

WPX Energy																							
Daily Drilling Report																							
WELL NAME:	UNIVERSITY 32-411H		AFE #:	190635		AFE \$:	3,513,250		LANDING PNT	495(usft)		REPORT#:	5		DATE:	7/8/2019							
FIELD:	PHANTOM		SIDETRACK:	00		DAILY COST \$:	60,713		LATERAL SEC:	0.00		DFS:	1.39										
EVENT:	DRILLING		LOCATION:			CUM COST \$:	604,309		TD (MD):	515.0		LITHOLOGY:											
OBJECTIVE:	DEVELOPMENT		CTY,ST:	WINKLER,TEXAS		DAILY MUD	0		TD (TVD):	515.0		FORMATION:		Wolfcamp A									
ENGINEER:	Justin Barmore		ROT HRS:	0.00		CUM MUD	0		SPUD DATE::	6/12/2019		DIESEL (MUD DIESEL):		0		/ 0							
TODAY'S DEPTH:		515 (usft)		CUM ROT:		4.50		+/- PLAN:				RR DATE :				DIESEL (RIG FUEL): 663 / 2,840							
PREV. DEPTH:		515 (usft)						RIG::		H&P 314				SUPERVISOR:		Lance Fatheree							
PROGRESS:		(usft)		WEATHER: CLEAR 78° HIGHS OVER 100°.								SUPERVISOR PH. #:		1-405-423-1705									
PRESENT OPERATION:		DRILLING INT #1 SECTION AT 1,150'																					
OPERATION FORECAST:		DRILL OUT CEMENT & FLOAT EQUIPMENT & CONT TO DRILL INT #1 TO PTD AT 5,155' +/-.																					
CSG / WELL CONTROL			DRLG DATA				DOWNTIME:				BIT RECORD												
LAST CASING:		13.375(in)		ST WT UP				PRESS				LOSS TIME (hrs):		5.50		BIT #							
DEPTH:		495(usft)		ST WT DN				RATE				LOSS TIME INC:		2.00		SIZE							
LAST BOP:				ST WT ROT				DP AV				NEAR MISSES:		0.00		TYPE							
LOT EMW:				TQ ON BTM				DC AV				24 HR RIG DOWN:		0.00		JETS							
WEIGHT LB/FT:		55(ppf)		TQ OFF BTM								CUM RIG DOWN		0.50		DEPTH IN							
CONN:		J-55														DEPTH OUT							
PUMP DATA																							
PUMP #		MANU				LINER		STROKE		PRESSURE		GPM											
1		GARDENER-DENVER				6.000		11		0.00		0.0											
2		GARDENER-DENVER				6.000		11		0.00		0.0											
3		GARDENER-DENVER				6.000		11		0.00		0.0											
SURVEY DATA																							
MD		INCL		AZIM		TVD		N/S(-)		E/W(-)		VS		DLS									
443.00		0.40		297.50		442.99		1.69		-1.67		1.69		0.15									
350.00		0.50		310.10		349.99		1.28		-1.07		1.28		0.52									
258.00		0.50		7.80		258.00		0.62		-0.82		0.62		0.65									
166.00		0.40		284.60		166.00		0.15		-0.56		0.15		0.24									
0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00									
MUD ADDITIVES																							
PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT									
MUD DATA																							
Date: 7/8/2019 3:00:00PM				MUD TYPE BRINE				CHECK DEPTH 515				FL TEMP		WATER 89.00 (%)		OIL 0.00 (%)		SAND 0.10 (%)					
GELS (1.0/1.0				Filter Cak 1.0 (32nd")				HTHP				MW 10.00		VISC 29.00		TEMP 120.00		ECD					
PV/YP 1.0/4.0				MBT 0.0				pH 10.00		Pm 1.30		Pf 0.20		Mf 0.50		Cl- 178,000		Total Hard 2200		K+ 0			
Lubricant % 0.0				ES				WPS				CaCl2		WATER (%)		OIL (%)		HGS 0.00 (%)					
LGS 2.19 (%)				SOLIDS 11.00 (%)																			
COMMENTS																							
MUD GAS DATA																							
CONNECTION MAX						TRIP MAX						BACKGROUND MAX											
CURRENT BHA																							
DESCRIPTION		NUMBER		LENGTH		DRILL ROT		DRILL SLIDE		P/U		S/O		ROT		TORQUE		OD		ID		TOP CON SIZE	
BHA HRS		MTR HRS 0																					
JAR HRS		MWD Hrs																					
OPERATIONS (00:00)																							
OPERATION COMMENT				RIGGED DOWN PREPPING RIG TO WALK TO UNIVERSITY 32 #411H. WALKED RIG & WALKED PDS TO NEW WELL AND LINED UP V-DOOR. N/U BOPS. TEST BOPS 250 LOW 5,000 HIGH, ANNULAR 3500 HIGH. TRUCK WOULD NOT HOLD PRESSURE AGAINST ITSELF. ENDED UP CHANGING OUT CHECK VALVE @ TRUCK MANIFOLD ALONG WITH 3 NEEDLE VALVES. BOP RAM DID NOT HAVE THE PARTS NEEDED TO FIX THE ISSUES. ENDED UP WAITING 4 HOURS ON A 9/16" AUTOCLAVE. ANOTHER TRUCK CAME OUT AND WE FINISHED TESTING BOPS AND CASING TEST. INSTALLED WEAR BUSHING AND P/U 12.25" BHA#2. TIH AT REPORT TIME WITH BHA.																			
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS																
02:30	04:00	515.00	515.00	01	P	F_SUR	RIGGED DOWN PANIC LINE, AND FLARE LINE. PICKED UP DRILLERS SIDE STAIRS AND PUMP BACK HOSES. SPREAD APART THE BOP DECK AND UN-PINNED V-DOOR.																
04:00	05:00	515.00	515.00	01	P	F_SUR	WALK RIG FROM THE UNIVERSITY 41 #411H TO THE UNIVERSITY 32 #411																
05:00	06:00	515.00	515.00	01	P	F_SUR	WALKED PDS TO NEW WELL AND LINED UP V-DOOR. LOWERED STAIRS ON DRILLERS CABIN. CENTERED BOP'S WITH ROTARY TABLE.																
06:00	07:30	515.00	515.00	14	P	F_SUR	NIPPLED UP BOP EQUIPMENT, INSTALLED MOUSE HOLE.																
07:30	12:00	515.00	515.00	15	P	F_SUR	INSTALLED TEST JOINT AND FILLED STACK WITH WATER. TESTED HYDRIL 250 LOW 3500 HIGH. TESTED UPPER PIPE RAMS, LOWER PIPE RAMS, HCR, 4 INCH MANUAL, INSIDE AND OUTSIDE KILL LINE 250 LOW, 5,000PSI HIGH.																
12:00	17:00	515.00	515.00	15	NP	F_SUR	ATTEMPTED TO TEST CHOKES, PRESSURE BLEEDING OFF SUPER FAST. SHUT IN PUMPS AT TRUCK AND FOUND TRUCK WOULD NOT HOLD PRESSURE AGAINST ITSELF. ENDED UP CHANGING OUT CHECK VALVE @ TRUCK MANIFOLD ALONG WITH 3 NEEDLE VALVES. BOP RAM DID NOT HAVE THE PARTS NEEDED TO FIX THE ISSUES. ENDED UP WAITING 4 HOURS ON A 9/16" AUTOCLAVE FILLING FOR THE CHECK VALVE. (WE SEARCHED RIG FOR A 9 /16" AUTOCLAVE FITTING ON RIG. RIG DID NOT HAVE ONE.) SECOND TRUCK FROM BOP RAM ARRIVED @ 1600HRS. PRIOR TO SECOND TRUCK ARRIVING, BOP RAM HAD THE FIRST TEST TRUCK FIXED																
17:00	20:00	515.00	515.00	15	P	F_SUR	TESTED MIDDLE CHOKE, SUPER CHOKES, AND OUTSIDE CHOKE VALVES 250 PSI LOW, 5,000 PSI HIGH. TESTED FLOOR VALVES AND BACK TO PUMPS, 250 LOW 5,000 PSI HIGH. TESTED ORBIT VALVE 250 LOW 1500 PSI HIGH.																
20:00	20:30	515.00	515.00	15	P	F_SUR	TEST CASING FOR 30 MIN TO 1500 PSI (GOOD TEST).																
20:30	21:00	515.00	515.00	21	P	F_SUR	R/D TESTERS & L/D TESTERS SUBS & EQUIPMENT FROM RIG FLOOR.																
21:00	21:30	515.00	515.00	21	P	F_SUR	INSTALL WEAR BUSHING WITH CACTUS REP.																
21:30	00:00	515.00	515.00	06	P	F_SUR	PICKED UP DIRECTIONAL BHA #2. 1- 12.25" SECURITY GT66Ms 6X16"S TFA OF 1.18 1- 8.75" 7/8 7.0 STAGE ADJ @ 1.83° BEND W/ 11.75" STAB 1- 11.75" NON-MAG STABILIZER 1- 8" UBHO 2- 8" NMDC 1- 8" SHOCK SUB 1- 8" FILTER SUB 1- XO 4.5" XH BOX TO 6.625" REG PIN 3- STANDS OF 6.5" DRILL COLLARS 1- XO 4.5" IF BOX TO 4.5" XH PIN 10- STANDS OF 5" HWDP TOTAL BHA LENGTH=1322.41'																

24 HOUR SUMMARY

UNIVERISTY 32 #411H
DFS: 1.39
DOL: 30.10
DRILLS / HSE: N/A
REGULATORY: N/A

SAFETY TOPIC: SKIDDING RIG, NIPPLING UP, TESTING OPERATIONS AND WORKING BHA.

NPT Daily: 5 HR DUE TO TEST PUMP TRUCK
NPT Gross: 5.5 HR

CURRENT OPS: DRILLING INT #1 SECTION AT 1,150'

24 HR SUMMARY: RIGGED DOWN PREPPING RIG TO WALK TO UNIVERSITY 32 #411H. WALKED RIG & WALKED PDS TO NEW WELL AND LINED UP V-DOOR. N/U BOPS. TEST BOPS 250 LOW 5,000 HIGH, ANNULAR 3500 HIGH. TRUCK WOULD NOT HOLD PRESSURE AGAINST ITSELF. ENDED UP CHANGING OUT CHECK VALVE @ TRUCK MANIFOLD ALONG WITH 3 NEEDLE VALVES. BOP RAM DID NOT HAVE THE PARTS NEEDED TO FIX THE ISSUES. ENDED UP WAITING 4 HOURS ON A 9/16" AUTOCLAVE. ANOTHER TRUCK CAME OUT AND WE FINISHED TESTING BOPS AND CASING TEST. INSTALLED WEAR BUSHING AND P/U 12.25" BHA#2. TIH AT REPORT TIME WITH BHA.

24 HR FORECAST: DRILL OUT CEMENT & FLOAT EQUIPMENT & CONT TO DRILL INT #1 TO PTD AT 5,155' +/-.

FOOTAGE LAST 24 HRS:0 '
ROP: 0 FPH
ROTATE: 0'
SLIDE: 0.0'

LAST SURVEY: 981', INC: .6°, AZM: 356.3°, 980.97 TVD: , 5.97 VS: , .23 DLS:
BIT PROJECTION: 1044 ', INC: 0.6°, AZM: 356.3°, 6' ABOVE & OTL.

MUD PROPERTIES: MW - 10.0, VIS - 29, pH - 10, CI - 178,000, LGS - 2.19

LAST LITHOLOGY: Logging starts at 4600'

FORMATION TOPS:	MD	TVD
BELL CANYON (BASE OF SALT)		
CHERRY CANYON		
BRUSHY CANYON		
BONE SPRING		
AVALON		
1ST BONE SPRING SAND		
2ND BONE SPRING LIME		
2ND BONE SPRING SAND		
3RD BONE SPRING LIME		
3RD BONE SPRING SAND		
WOLFCAMP TOP		
WOLFCAMP A		
WOLFCAMP B		
WOLFCAMP C		
WOLFCAMP D		
WOLFCAMP D HOT		
TOP TARGET		
LANDING POINT		
BASE TARGET		

RIG KB: 25.5'
20" CONDUCTOR SET @ 105'
SURFACE SPUDDED @ 0330HRS 6/12/219
13-3/8" SET AT 494.7'
9-5/8" SET @
7" SET @
KICK-OFF POINT @
LAND CURVE @
TD @
4-1/2" SET @
RIG RELEASE @

BROUGHT IN 700 BBLS OF CITY WATER FOR CEMENT TANKS - TOTAL 900 BBLS
BROUGHT IN 0 BBLS OF FRESH WATER FOR RIG TANK - TOTAL 100 BBLS
HAULED TO DISPOSAL 0 BBLS CEMENT AND SPACER - TOTAL 140 BBLS

DAY DSM: LANCE FATHEREE
NIGHT DSM: JACOB HINOJOSA

DAILY COST						
Class	Code	Subcode	Description	Vendor	Daily Cost	Comment
	0652	8810	CASING (INT1)	B&L Pipe	0.00	9 5/8, 40# J-55 Casing \$25.78
	0652	8820	CASING (INT2)	B & L Pipeco Services	0.00	7" 29# VA-XP-P100 CASING \$24.80
	0652	8889	CASING (SURF)	B&L Pipe	0.00	13 3/8, 54.5# J-55 Casing \$35.84
	0650	8734	CASING CREWS & TOOLS	Pathfinder Inspections and Field Sr	2,214.00	DRIFT & TALLY 9 5/8 CASING INV#912903
	0652	8739	CASING/LINER (PROD)	B&L Pipe	0.00	4 1/2" 13.5# HCP110 CDC-HTQ \$12.96/ft
	0650	8790	CONTINGENCY	WPX Energy	4,497.23	8% overage
	0650	8757	DIRECTIONAL EQUIPMENT - SERVICES	MS Energy Services	16,225.00	Directional Daily Cost - (standby rate \$5300) ADJUSTMENTS MADE FOR END OF WELL COSTS
	0650	8758	DRILL FLUIDS & CHEMICALS - MATERIALS	Stellar Drilling Fluids	108.46	Mud materials and tax , Treated oil base mud in OBM tank farm
	0650	8989	DRILL FLUIDS & CHEMICALS - SERVICES	Stellar Drilling Fluids	1,003.45	24 hour Service 940.00 PLUS TAX PLUS BLOWER RENTAL \$45.00
	0650	8783	FLUID & CUTTINGS DISPOSAL	Republic Services	0.00	NO MORE DAILY RENTAL ALL IN ONE PRICE \$850 PER BIN (BIN SWAP) FROM MARCH
	0650	8774	GENERAL LABOR	Iron Horse Tools LLC	140.00	TECH TO COME OUT AND GO THROUGH CHOKES WHILE TESTING INV#72929
	0650	8823	LIVING FACILITIES & SANITATION	*New Vendor	560.00	BLACK DIAMOND Camps 6 camps plus 1 transformer
	0650	8803	MAN CAMP	WPX Energy	80.00	Shared - Superintendant housing \$80 per day on each rig
	0650	8837	MUD LOGGING	Field Geo Services Inc	0.00	Mud Loggers (\$1620 daily)
	0650	8868	RENTAL EQUIPMENT (DOWNHOLE)	Quail Tools LP	0.00	THREE XT39 PUP JTS 5',10',15'
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	190.00	Daily on communications. \$190.00 / DAY
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	350.00	FRAC TANK DAILY COST AND 1 OPEN TOP (ALL AT 25 A DAY)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Totco	738.50	EDR
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	50.00	2 PORTA-JOHNS \$25.ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	JST - Johnson Specialty Tools	0.00	DIESEL PW-\$45, OBM CONT-\$140, OBM FRAC \$35 X 6, 6X8 PUMP \$110, MUD VAC \$110, MUD BUCKET \$80, 6X6 PUMP \$85, MANIFOLDS \$20 X 1, WBM FRAC \$35 X 4 (NO MAGNETS)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Black Diamond Oilfield Services	0.00	Camp Generator
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	0.00	Flare Stack, Flare lines,
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Thomas Tools	127.00	INLINE SCREEN DAILY RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	PRT Rental	0.00	Spacer Spool, 2 SETS OF VBR RAMS BOLTS - (\$200.0 Day)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	600.00	Daily on 5 light plants (B AND B) \$60. ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	0.00	Daily rental for 2 chokes \$175/day each
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	100.00	Daily on trash trailer (GLEZZ) \$25 ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	Premix Tank (B AND B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	RENTAL ON LOADER (B & B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Safety Solutions LLC	70.00	Daily cost on H2S Monitoring System (\$70/day) (Safety)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Sun Coast Resources Inc	0.00	Portable Fuel Tank
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Pruitt	0.00	Pruitt-Rotating head, bowl and orbit valve
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	250.00	H&P RENTED LOADER AND MANLIFT
	0650	8760	RIG DAYWORK	Helmerich & Payne Inc.	22,326.68	Rig Operation Day Rate \$24,923 / DAY
	0650	8295	RIG MOVING RATE	Helmerich & Payne Inc.	0.00	Rig Mobilization Rate
	0650	8994	SOLIDS CONTROL - SERVICES	Kayden Industries	3,733.33	Solids Control Equipment and onsite Techs charges up to current (\$3,733.33 WBM). #,(\$3100 RIG UP.
	0650	8743	WELLHEAD - SERVICES	Cactus Wellhead Llc	1,824.00	REMOVE TA CAP, NU BOPS, SET WEAR BUSHING.
	0650	8917	WELLSITE SUPERVISION	WPX Energy	800.00	Shared superintendant/Foreman day rate for Keith Robert, Stan, Mark \$800 per day
	0650	8917	WELLSITE SUPERVISION	Lindley Consulting LLC	0.00	Supervision Nights- Chris Lindley
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	0.00	Supervision- Ian Ensell
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	2,000.00	Supervision- Lance Fatheree
	0650	8917	WELLSITE SUPERVISION	Crescent Consulting Llc	1,975.00	Supervision Nights- Jacob Hinojosa
				Daily Total		60,712.65
				Cumulative Total		604,309.24
NPT SUMMARY						
Start date/time		End date/time	Title	Description		Duration (hr)
7/8/2019 12:00:00PM		7/8/2019 5:00:00PM	WAITING ON BOP RAM TO FIX TEST TRUCK	ATTEMPTED TO TEST CHOKES, PRESSURE BLEEDING OFF SUPER FAST. SHUT IN PUMPS AT TRUCK AND FOUND TRUCK WOULD NOT HOLD PRESSURE AGAINST ITSELF. ENDED UP CHANGING OUT CHECK VALVE @ TRUCK MANIFOLD ALONG WITH 3 NEEDLE VALVES. BOP RAM DID NOT HAVE THE PARTS NEEDED TO FIX THE ISSUES. ENDED UP WAITING 4 HOURS ON A 9/16" AUTOCLAVE FILLING FOR THE CHECK VALVE. (WE SEARCHED RIG FOR A 9 /16" AUTOCLAVE FITTING ON RIG. RIG DID NOT HAVE ONE.) SECOND TRUCK FROM BOP RAM ARRIVED @ 1600HRS. PRIOR TO SECOND TRUCK ARRIVING, BOP RAM HAD THE FIRST TEST TRUCK FIXED		5.00

WPX Energy																							
Daily Drilling Report																							
WELL NAME:	UNIVERSITY 32-411H		AFE #:	190635		AFE \$:	3,513,250		LANDING PNT	495(usft)		REPORT#:	6		DATE:	7/9/2019							
FIELD:	PHANTOM		SIDETRACK:	00		DAILY COST \$:	105,316		LATERAL SEC:	0.00		DFS:	2.39										
EVENT:	DRILLING		LOCATION:			CUM COST \$:	709,625		TD (MD):	3,631.0		LITHOLOGY:											
OBJECTIVE:	DEVELOPMENT		CTY,ST:	WINKLER,TEXAS		DAILY MUD	0		TD (TVD):	3,620.9		FORMATION:		Wolfcamp A									
ENGINEER:	Justin Barmore		ROT HRS:	21.50		CUM MUD	0		SPUD DATE::	6/12/2019		DIESEL (MUD DIESEL):		0		/ 0							
TODAY'S DEPTH:		3,631 (usft)	CUM ROT:	26.00		+/- PLAN:			RR DATE :			DIESEL (RIG FUEL):		3,027		/ 5,867							
PREV. DEPTH:		515 (usft)				RIG::		H&P 314					SUPERVISOR:		Lance Fatheree								
PROGRESS:		3,116 (usft)	WEATHER: CURRENTLY 79° HIGHS OVER 100°s.									SUPERVISOR PH. #:		1-405-423-1705									
PRESENT OPERATION:		DRILLING INT #2 SECTION AT 4,105'																					
OPERATION FORECAST:		DRILL INT #1 TO PTD AT 5,155' +/-.																					
CSG / WELL CONTROL			DRLG DATA				DOWNTIME:				BIT RECORD												
LAST CASING:		13.375(in)	ST WT UP	170.0	PRESS	3,800.00	LOSS TIME (hrs):		5.50		BIT #	2	RPM	162									
DEPTH:		495(usft)	ST WT DN	150.0	RATE	897.9	LOSS TIME INC:		2.00		SIZE	12-1/4 (")		HHP	290.03								
LAST BOP:		7/8/2019	ST WT ROT	160.0	DP AV		NEAR MISSES:		0.00		TYPE	XS616		P BIT	553.73								
LOT EMW:			TQ ON BTM	16,000.0	DC AV		24 HR RIG DOWN:		0.00		JETS	6-16											
WEIGHT LB/FT:		55(ppf)	TQ OFF BTM	9,000.0			CUM RIG DOWN		0.50		DEPTH IN	515.0											
CONN:		J-55									DEPTH OUT												
PUMP DATA													DULL CONDITION										
PUMP #	MANU			LINER		STROKE		PRESSURE		GPM													
1	GARDENER-DENVER			6.000		11		3,800.00		299.3													
2	GARDENER-DENVER			6.000		11		3,800.00		299.3													
3	GARDENER-DENVER			6.000		11		3,800.00		299.3													
SURVEY DATA																							
MD	INCL	AZIM	TVD	N/S(-)	E/W(-)	VS	DLS		I				O	D	L	B	R	G	T				
3,568.00	8.90	227.00	3,558.65	-109.68	-106.30	-109.68	0.44												-				
3,473.00	9.30	226.20	3,464.85	-99.36	-95.38	-99.36	2.64																
3,378.00	6.80	224.50	3,370.79	-90.03	-85.90	-90.03	0.72																
3,283.00	6.50	229.80	3,276.43	-82.55	-77.85	-82.55	0.97																
3,189.00	7.40	230.80	3,183.12	-75.29	-69.10	-75.29	0.38																
MUD ADDITIVES																							
PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT									
MUD DATA																							
Date: 7/9/2019 6:00:00PM		MUD TYPE BRINE		CHECK DEPTH 2,992		FL TEMP 143.00		WATER 88.00 (%)		OIL 0.00 (%)		SAND 0.10 (%)											
GELS (1.0/1.0		Filter Cak 1.0 (32nd")		HTHP		MW 10.35		VISC 29.00		TEMP 120.00		ECD 10.45											
PV/YP 1.0/4.0		MBT 0.0		pH 10.00 Pm 1.60		Pf 0.25 Mf 0.40		Cl- 188,000		Total Hard 2000		K+ 0											
Lubricant (%)		ES		WPS		CaCl2		WATER (%)		OIL (%)		HGS 0.00 (%)											
LGS 2.69 (%)		SOLIDS 12.00 (%)																					
COMMENTS																							
MUD GAS DATA																							
CONNECTION MAX				11.00				TRIP MAX				0.00				BACKGROUND MAX				37.00			
CURRENT BHA																							
DESCRIPTION		NUMBER	LENGTH	DRILL ROT		DRILL SLIDE		P/U	S/O	ROT	TORQUE	OD	ID	TOP CON SIZE									
		2	1,321.91	3,116.00				170.00	150.00	160.0	16,000.0												
Heavy Weight Drill Pipe		0	924.77	5" HWDP								5.00	3.00	4.50									
Cross Over		1	3.14	4.5XH PIN 4.5IF BOX								6.13	2.50	4.50									
Drill Collar		2	261.86	6.5" DC								6.50	2.88	4.50									
Cross Over		3	4.14	X/O								6.69	2.75	4.50									
Filter		4	7.41	FILTER SUB								8.06	2.75	6.63									
Shock Sub		5	12.49	8" SHOCK SUB								8.06	2.94	6.63									
Non-Mag Drill Collar		6	30.40	8" NMDC								8.00	2.88	6.63									
Non-Mag Drill Collar		7	30.06	8" NMDC W/ MWD								8.00	2.88	6.63									
Universal Bottom Hole Orienter		8	4.70	UBHO (P.T.S.S. 2.10)								7.94	2.88	6.63									
Integral Blade Stabilizer		9	7.21	NM STAB 11 3/4"								11.75	3.00	6.63									
Bent Housing		10	34.73	8.75" 7/8 7.0 ADJ. SET @ 1.83" W/ 11.75" STAB								11.75	3.00	6.63									
Polycrystalline Diamond Bit		11	1.00	12 1/4" Security GT66Ms								12.25		4.50									
BHA HRS 21.50		MTR HRS 21.50																					
JAR HRS		MWD Hrs 21.50																					
OPERATIONS (00:00)																							
OPERATION COMMENT				TIH WITH DRILL COLLARS AND HWDP. ESTABLISH CIRCULATION, DRILL OUT CEMENT AND SHOE TRACK. F/C @ 449', FS@ 505'. CLEAN OUT RAT HOLE T/ 515'. DRILL 12.25" INT #1 HOLE F/ 515' MD T/3,631' MIDNIGHT DEPTH.																			
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS																
00:00	01:30	515.00	515.00	06	P	F_SUR	TIH WITH DRILL COLLARS AND HWDP.																
01:30	02:00	515.00	515.00	03	P	F_SUR	ESTABLISH CIRCULATION, DRILL OUT CEMENT AND SHOE TRACK. F/C @ 449', FS@ 505'. CLEAN OUT RAT HOLE T/ 515' WITH 400 GPM, 40 RPM TQ 3-6K ON BOTTOM, 1-2K OFF BOTTOM, 720 SPP. WASH & REAMED THROUGH SHOE TO ASSURE ALL DEBRIS WERE OUT OF THE HOLE.																
02:00	17:00	515.00	2,777.00	02	P	DRLIN1	DRILL 12.25" INT #1 HOLE F/ 515' MD T/ 2,777' MD (2262' @ 150.8 FPH) 900 GPM, 3,350 PSI ON, 2,850 PSI OFF 60-80 RPM, 12K TORQUE ON, 4K TORQUE OFF PU 155K, SO 135K, ROT 145K SURVEY EVERY ~90 FT MUD WEIGHT: 10.3 PPG IN,10.6 PPG OUT. RUNNING CENTRIFUGE AND DESILTER TO AID IN WEIGHT CONTROL TO MINIMIZE SOLIDS AS WELL AS DUMP AND DILUTING. PUMP SWEEPS EVERY 500'. SWEEPS ARE BRINGING UP 35% MORE CUTTINGS. NO LOSSES.																
17:00	17:30	2,777.00	2,777.00	07	P	DRLIN1	SERVICE RIG & TOP DRIVE. GREASE SWIVEL PACKING AND CHECK ALL OIL LEVELS.																
17:30	00:00	2,777.00	3,631.00	02	P	DRLIN1	DRILL 12.25" INT #1 HOLE F/ 2,777' MD T/ 3,631' MD (854' @ 131.3 FPH) 900 GPM, 3800 PSI ON, 3300 PSI OFF 60-80 RPM, 14-16K TORQUE ON, 9K TORQUE OFF PU 170K, SO 150K, ROT 160K SURVEY EVERY ~90 FT MUD WEIGHT: 10.3 PPG IN,10.5 PPG OUT. RUNNING CENTRIFUGE AND DESILTER TO AID IN WEIGHT CONTROL TO MINIMIZE SOLIDS AS WELL AS DUMP AND DILUTING. PUMP SWEEPS EVERY 500'. SWEEPS ARE BRINGING UP 35% MORE CUTTINGS. NO LOSSES.																

24 HOUR SUMMARY

UNIVERISTY 32 #411H

DFS: 2.39

DOL: 31.00

DRILLS / HSE: N/A

REGULATORY: N/A

SAFETY TOPIC: LAST DAY OF HITCH, HYDRATION AND HEAT SAFETY.

NPT Daily: 0

NPT Gross: 5.5 HR

CURRENT OPS: DRILLING INT #2 SECTION AT 4,105'

24 HR SUMMARY: TIH WITH DRILL COLLARS AND HWDP. ESTABLISH CIRCULATION, DRILL OUT CEMENT AND SHOE TRACK. F/C @ 449', FS@ 505'. CLEAN OUT RAT HOLE T/ 515'. DRILL 12.25" INT #1 HOLE F/ 515' MD T/3,631' MIDNIGHT DEPTH.

FOOTAGE LAST 24 HRS: 3,116.0 '

ROP: 144.9 FPH

ROTATE: 2,881' 92.46%

SLIDE: 235 7.54%

LAST SURVEY: 3662', INC: 8.4°, AZM: 227.2°, 3651.58 TVD: .53 DLS:

BIT PROJECTION: 3725 ', INC: 8.4°, AZM: 227.2°, 7' ABOVE & 5' LEFT.

MUD PROPERTIES: MW - 10.35, VIS - 29, pH - 10, CI - 188,000, LGS - 2.69

LAST LITHOLOGY: Logging starts at 4600'

FORMATION TOPS: MD TVD

BELL CANYON (BASE OF SALT)

CHERRY CANYON

BRUSHY CANYON

BONE SPRING

AVALON

1ST BONE SPRING SAND

2ND BONE SPRING LIME

2ND BONE SPRING SAND

3RD BONE SPRING LIME

3RD BONE SPRING SAND

WOLFCAMP TOP

WOLFCAMP A

WOLFCAMP B

WOLFCAMP C

WOLFCAMP D

WOLFCAMP D HOT

TOP TARGET

LANDING POINT

BASE TARGET

RIG KB: 25.5'

20" CONDUCTOR SET @ 105'

SURFACE SPUDDED @ 0330HRS 6/12/219

13-3/8" SET AT 494.7'

9-5/8" SET @

7" SET @

KICK-OFF POINT @

LAND CURVE @

TD @

4-1/2" SET @

RIG RELEASE @

BROUGHT IN 0 BBLS OF CITY WATER FOR CEMENT TANKS - TOTAL 900 BBLS

BROUGHT IN 0 BBLS OF FRESH WATER FOR RIG TANK - TOTAL 100 BBLS

HAULED TO DISPOSAL 0 BBLS CEMENT AND SPACER - TOTAL 140 BBLS

DAY DSM: LANCE FATHEREE

NIGHT DSM: JACOB HINOJOSA

DAILY COST						
Class	Code	Subcode	Description	Vendor	Daily Cost	Comment
	0652	8810	CASING (INT1)	B&L Pipe	0.00	9 5/8, 40# J-55 Casing \$25.78
	0652	8820	CASING (INT2)	B & L Pipeco Services	0.00	7" 29# VA-XP-P100 CASING \$24.80
	0652	8889	CASING (SURF)	B&L Pipe	0.00	13 3/8, 54.5# J-55 Casing \$35.84
	0652	8739	CASING/LINER (PROD)	B&L Pipe	0.00	4 1/2" 13.5# HCP110 CDC-HTQ \$12.96/ft
	0650	8790	CONTINGENCY	WPX Energy	7,801.17	8% overage
	0650	8757	DIRECTIONAL EQUIPMENT - SERVICES	MS Energy Services	9,400.00	Directional Daily Cost - (standby rate \$5300) ADJUSTMENTS MADE FOR END OF WELL COSTS
	0650	8758	DRILL FLUIDS & CHEMICALS - MATERIALS	Corrosion LTD.	1,802.50	H2S SCAVENGER, CORROSION INHIBITOR, CORROSION RING. INV#161356
	0650	8758	DRILL FLUIDS & CHEMICALS - MATERIALS	Stellar Drilling Fluids	2,285.30	Mud materials and tax , Treated oil base mud in OBM tank farm
	0650	8989	DRILL FLUIDS & CHEMICALS - SERVICES	Stellar Drilling Fluids	1,003.45	24 hour Service 940.00 PLUS TAX PLUS BLOWER RENTAL \$45.00
	0650	8166	DYED DIESEL	Sun Coast Resources Inc	12,501.30	DEL 4934 GALS OF RIG FUEL SO#6010307
	0650	8167	DYED DIESEL-MUD TANKS	Sun Coast Resources Inc	5,188.14	DEL 2167 GALS OF MUD FUEL SO#6010307
	0650	8167	DYED DIESEL-MUD TANKS	Sun Coast Resources Inc	17,567.30	DEL 7100 GALS OF MUD FUEL SO#6012167
	0650	8783	FLUID & CUTTINGS DISPOSAL	Republic Services	8,500.00	NO MORE DAILY RENTAL ALL IN ONE PRICE \$850 PER BIN (BIN SWAP) FROM MARCH
	0650	8823	LIVING FACILITIES & SANITATION	*New Vendor	560.00	BLACK DIAMOND Camps 6 camps plus 1 transformer
	0650	8803	MAN CAMP	WPX Energy	80.00	Shared - Superintendant housing \$80 per day on each rig
	0650	8837	MUD LOGGING	Field Geo Services Inc	1,620.00	Mud Loggers (\$1620 daily)
	0650	8868	RENTAL EQUIPMENT (DOWNHOLE)	Quail Tools LP	0.00	THREE XT39 PUP JTS 5',10',15'
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	350.00	FRAC TANK DAILY COST AND 1 OPEN TOP (ALL AT 25 A DAY)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	250.00	H&P RENTED LOADER AND MANLIFT
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Safety Solutions LLC	70.00	Daily cost on H2S Monitoring System (\$70/day) (Safety)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Totco	738.50	EDR
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	600.00	Daily on 5 light plants (B AND B) \$60. ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	RENTAL ON LOADER (B & B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	0.00	Daily rental for 2 chokes \$175/day each
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	0.00	Flare Stack, Flare lines,
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	50.00	2 PORTA-JOHNS \$25.ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Sun Coast Resources Inc	0.00	Portable Fuel Tank
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Thomas Tools	127.00	INLINE SCREEN DAILY RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	PRT Rental	0.00	Spacer Spool, 2 SETS OF VBR RAMS BOLTS - (\$200.0 Day)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	100.00	Daily on trash trailer (GLEZZ) \$25 ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	Premix Tank (B AND B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	JST - Johnson Specialty Tools	0.00	DIESEL PW-\$45, OBM CONT-\$140, OBM FRAC \$35 X 6, 6X8 PUMP \$110, MUD VAC \$110, MUD BUCKET \$80, 6X6 PUMP \$85, MANIFOLDS \$20 X 1, WBM FRAC \$35 X 4 (NO MAGNETS)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Black Diamond Oilfield Services	0.00	Camp Generator
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Pruitt	0.00	Pruitt-Rotating head, bowl and orbit valve
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	190.00	Daily on communications. \$190.00 / DAY
	0650	8760	RIG DAYWORK	Helmerich & Payne Inc.	24,922.80	Rig Operation Day Rate \$24,923 / DAY
	0650	8295	RIG MOVING RATE	Helmerich & Payne Inc.	0.00	Rig Mobilization Rate
	0650	8994	SOLIDS CONTROL - SERVICES	Kayden Industries	3,733.33	Solids Control Equipment and onsite Techs charges up to current (\$3,733.33 WBM). #,(\$3100 RIG UP.
	0650	8742	TRUCKING	Major League Trucking	350.00	P/U 2 CELLAR PUMPS & HOSES TO DEL TO H&P 267. INV#12041A
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	2,000.00	Supervision- Lance Fatheree
	0650	8917	WELLSITE SUPERVISION	Crescent Consulting Llc	1,975.00	Supervision Nights- Jacob Hinojosa
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	0.00	Supervision- Ian Ensell
	0650	8917	WELLSITE SUPERVISION	Lindley Consulting LLC	0.00	Supervision Nights- Chris Lindley
	0650	8917	WELLSITE SUPERVISION	WPX Energy	800.00	Shared superintendant/Foreman day rate for Keith Robert, Stan, Mark \$800 per day
				Daily Total	105,315.79	
				Cumulative Total	709,625.03	

WPX Energy																											
Daily Drilling Report																											
WELL NAME:		UNIVERSITY 32-411H		AFE #:		190635		AFE \$:		3,513,250		LANDING PNT		495(usft)		REPORT#:		7		DATE:		7/10/2019					
FIELD:		PHANTOM		SIDETRACK:		00		DAILY COST \$:		61,112		LATERAL SEC:		0.00		DFS:		3.39									
EVENT:		DRILLING		LOCATION:				CUM COST \$:		770,737		TD (MD):		5,235.0		LITHOLOGY:											
OBJECTIVE:		DEVELOPMENT		CTY,ST:		WINKLER,TEXAS		DAILY MUD		0		TD (TVD):		5,210.6		FORMATION:				Wolfcamp A							
ENGINEER:		Justin Barmore		ROT HRS:		19.00		CUM MUD		0		SPUD DATE::		6/12/2019		DIESEL (MUD DIESEL):		0		/		0					
TODAY'S DEPTH:			5,235 (usft)		CUM ROT:		45.00		+/- PLAN:				RR DATE :				DIESEL (RIG FUEL):		3,267		/		9,134				
PREV. DEPTH:			3,631 (usft)					RIG::		H&P 314						SUPERVISOR:		Lance Fatheree									
PROGRESS:			1,604 (usft)		WEATHER: HIGH OF 104° LOW OF 74°										SUPERVISOR PH. #:		1-405-423-1705										
PRESENT OPERATION:		RUNNING 9 5/8" CASING @ 420'																									
OPERATION FORECAST:		CONTINUE TOO H TO BHA. L/D 12 1/4" INT #1 BHA. R/U, RUN 9 5/8" 40# J-55 BTC CASING, AND CEMENT SAME. SET PACKOFF. M/U 8 3/4" INT #2 BHA AND T																									
CSG / WELL CONTROL				DRLG DATA				DOWNTIME:				BIT RECORD															
LAST CASING:		13.375(in)		ST WT UP		220.0		PRESS		3,500.00		LOSS TIME (hrs):		5.50		BIT #		2		RPM		166					
DEPTH:		495(usft)		ST WT DN		180.0		RATE		921.0		LOSS TIME INC:		2.00		SIZE		12-1/4 (")		HHP		312.99					
LAST BOP:		7/8/2019		ST WT ROT		190.0		DP AV				NEAR MISSES:		0.00		TYPE		GT66MS		P BIT		582.57					
LOT EMW:				TQ ON BTM		15,000.0		DC AV				24 HR RIG DOWN:		0.00		JETS		6-16									
WEIGHT LB/FT:		55(ppf)		TQ OFF BTM		8,500.0						CUM RIG DOWN		0.50		DEPTH IN		515.0									
CONN:		J-55														DEPTH OUT											
PUMP DATA														ROP-last 24 I		84.4											
PUMP #		MANU		LINER		STROKE		PRESSURE		GPM																	
1		GARDENER-DENVER		6.000		11		4,200.00		307.0																	
2		GARDENER-DENVER		6.000		11		4,200.00		307.0																	
3		GARDENER-DENVER		6.000		11		4,200.00		307.0																	
SURVEY DATA														DULL CONDITION													
MD		INCL		AZIM		TVD		N/S(-)		E/W(-)		VS										DLS					
5,172.00		7.60		227.40		5,148.11		-259.64		-260.14		-259.64										1.23					
5,086.00		8.60		225.00		5,062.97		-251.24		-251.40		-251.24										0.22					
4,991.00		8.50		223.80		4,969.02		-241.15		-241.52		-241.15										1.09					
4,897.00		7.50		222.10		4,875.94		-231.59		-232.60		-231.59										0.83					
4,802.00		8.10		225.90		4,781.82		-222.33		-223.64		-222.33										1.14					
MUD ADDITIVES																											
PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT									
MUD DATA																											
Date: 7/10/2019 6:00:00PM				MUD TYPE BRINE				CHECK DEPTH 5,010				FL TEMP 136.00				WATER 87.50 (%)				OIL 0.00 (%)				SAND 0.10 (%)			
GELS (1.0/1.0				Filter Cak 0.0 (32nd")				HTHP 0.0				MW 10.35				VISC 29.00				TEMP 120.00				ECD 10.45			
PV/YP 1.0/4.0				MBT 0.0				pH 10.00 Pm 1.50				Pf 0.30 Mf 0.45				Cl- 188,000				Total Hard 2200				K+ 0			
Lubricant %				ES				WPS				CaCl2				WATER (%)				OIL (%)				HGS 0.00 (%)			
LGS 3.19 (%)				SOLIDS 3.19 (%)																							
COMMENTS																											
MUD GAS DATA																											
CONNECTION MAX						21.00		TRIP MAX						0.00		BACKGROUND MAX						7,087.00					
CURRENT BHA																											
DESCRIPTION		NUMBER		LENGTH		DRILL ROT		DRILL SLIDE		P/U		S/O		ROT		TORQUE		OD		ID		TOP CON SIZE					
		2		1,321.91		1,604.00				220.00		180.00		190.0		15,000.0											
Heavy Weight Drill Pipe		0		924.77		5" HWDP												5.00		3.00		4.50					
Cross Over		1		3.14		4.5XH PIN 4.5IF BOX												6.13		2.50		4.50					
Drill Collar		2		261.86		6.5" DC												6.50		2.88		4.50					
Cross Over		3		4.14		X/O												6.69		2.75		4.50					
Filter		4		7.41		FILTER SUB												8.06		2.75		6.63					
Shock Sub		5		12.49		8" SHOCK SUB												8.06		2.94		6.63					
Non-Mag Drill Collar		6		30.40		8" NMDC												8.00		2.88		6.63					
Non-Mag Drill Collar		7		30.06		8" NMDC W/ MWD												8.00		2.88		6.63					
Universal Bottom Hole Orienter		8		4.70		UBHO (P.T.S.S. 2.10)												7.94		2.88		6.63					
Integral Blade Stabilizer		9		7.21		NM STAB 11 3/4"												11.75		3.00		6.63					
Bent Housing		10		34.73		8.75" 7/8 7.0 ADJ. SET @ 1.83" W/ 11.75" STAB												11.75		3.00		6.63					
Polycrystalline Diamond Bit		11		1.00		12 1/4" Security GT66Ms												12.25				4.50					
BHA HRS 40.50				MTR HRS 40.50																							
JAR HRS				MWD Hrs 40.50																							
OPERATIONS (00:00)																											
OPERATION COMMENT				DRILL 12.25" INT #1 HOLE F/ 3,631' MD T/ 4,875' MD. PERFORM A ROUTINE RIG SERVICE. DRILL 12.25" INT #1 HOLE F/ 4,875' MD T/ 5,235' MD. PUMP (2) HI-VIS SWEEPS AND CIRCULATE HOLE CLEAN. TOO H F/ 5,235' T/ 2,500' AND PULL ROTATING HEAD. TOO H F/ 2,500' T/ 500'.																							
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS																				
00:00	15:30	3,631.00	4,875.00	02	P	DRLIN1	DRILL 12.25" INT #1 HOLE F/ 3,631' MD T/ 4,875' MD (1,244' @ 80.2 FPH) 900 GPM, 4000 PSI ON, 3300 PSI OFF 60-80 RPM, 12K TORQUE ON, 6K TORQUE OFF PU 190K, SO 170K, ROT 180K SURVEY EVERY ~90 FT MUD WEIGHT: 10.3 PPG IN,10.3+ PPG OUT. RUNNING CENTRIFUGE AND DESILTER TO AID IN WEIGHT CONTROL TO MINIMIZE SOLIDS AS WELL AS DUMP AND DILUTING. PUMP SWEEPS EVERY 500'. SWEEPS ARE BRINGING UP 20% MORE CUTTINGS . NO LOSSES.																				
15:30	16:00	4,875.00	4,875.00	07	P	DRLIN1	SERVICE RIG. GREASED TOPDRIVE AND BLOCKS.																				
16:00	19:30	4,875.00	5,235.00	02	P	DRLIN1	DRILL 12.25" INT #1 HOLE F/ 4,875' MD T/ 5,235' MD (360' @ 102.9 FPH) 900 GPM, 4200 PSI ON, 3500 PSI OFF 70 RPM, 14K TORQUE ON, 6.5K TORQUE OFF PU 220K, SO 180K, ROT 190K SURVEY EVERY ~90 FT MUD WEIGHT: 10.3 PPG IN,10.3 PPG OUT. RUNNING CENTRIFUGE AND DESILTER TO AID IN WEIGHT CONTROL TO MINIMIZE SOLIDS AS WELL AS DUMP AND DILUTING. PUMP SWEEPS EVERY 500'. SWEEPS ARE BRINGING UP 20% MORE CUTTINGS . NO LOSSES.																				
19:30	21:00	5,235.00	5,235.00	05	P	F_INT1	PUMP (2) HI-VIS SWEEPS AND CIRCULATE HOLE CLEAN. 1ST SWEEP HAD 40% INCREASE IN CUTTINGS AND 2ND SWEEP HAD 0 % INCREASE IN CUTTINGS AND SHAKERS WERE CLEAN FLOW CHECK - WELL STATIC PUMP 35 BBLS 13.5 PPG SLUG																				

OPERATIONS (00:00)							
OPERATION COMMENT			DRILL 12.25" INT #1 HOLE F/ 3,631' MD T/ 4,875' MD. PERFORM A ROUTINE RIG SERVICE. DRILL 12.25" INT #1 HOLE F/ 4,875' MD T/ 5,235' MD. PUMP (2) HI-VIS SWEEPS AND CIRCULATE HOLE CLEAN. TOO H F/ 5,235' T/ 2,500' AND PULL ROTATING HEAD. TOO H F/ 2,500' T/ 500'.				
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS
21:00	00:00	5,235.00	5,235.00	06	P	F_INT1	TOOH F/ 5,235' T/ 2,500' AND PULL ROTATING HEAD. TOOH F/ 2,500' T/ 500'. WELL TAKING PROPER FILL MAX PULL 250 KLBS @ 4,899'
24 HOUR SUMMARY							
UNIVERISTY 32 #411H DFS: 3.39 DOL: 32.00 DRILLS / HSE: N/A REGULATORY: N/A SAFETY TOPIC: FIRST DAY BACK, STAYING FOCUSED, WELL CONTROL, PRE JOB PLANNING NPT Daily: 0 NPT Gross: 5.5 HR CURRENT OPS: RUNNING 9 5/8" CASING @ 420' 24 HR SUMMARY: DRILL 12.25" INT #1 HOLE F/ 3,631' MD T/ 4,875' MD. PERFORM A ROUTINE RIG SERVICE. DRILL 12.25" INT #1 HOLE F/ 4,875' MD T/ 5,235' MD. PUMP (2) HI-VIS SWEEPS AND CIRCULATE HOLE CLEAN. TOO H F/ 5,235' T/ 2,500' AND PULL ROTATING HEAD. TOO H F/ 2,500' T/ 500'. FOOTAGE LAST 24 HRS: 1,604' ROP: 84.4 FPH ROTATE: 1,429' 89.1% SLIDE: 175' 10.9% LAST SURVEY: 5172', INC: 7.6°, AZM: 227.4°, TVD: 5148.11, DLS: 1.23 BIT PROJECTION: 5235 ', INC: 7.6°, AZM: 227.4°, 2' ABOVE & 7' LEFT. MUD PROPERTIES: MW: 10.35, VIS: 29, pH: 10, CI: 188,000, LGS: 3.19 LAST LITHOLOGY: @ 5,235' - 65% SANDSTONE, 35% SILTSTONE FORMATION TOPS: MD TVD BELL CANYON (BASE OF SALT) 5,157' 5,133' CHERRY CANYON BRUSHY CANYON BONE SPRING AVALON 1ST BONE SPRING SAND 2ND BONE SPRING LIME 2ND BONE SPRING SAND 3RD BONE SPRING LIME 3RD BONE SPRING SAND WOLFCAMP TOP WOLFCAMP A WOLFCAMP B WOLFCAMP C WOLFCAMP D WOLFCAMP D HOT TOP TARGET LANDING POINT BASE TARGET RIG KB: 25.5' 20" CONDUCTOR SET @ 105' SURFACE SPUDDED @ 0330HRS 6/12/219 13-3/8" SET AT 494.7' 9-5/8" SET @ 7" SET @ KICK-OFF POINT @ LAND CURVE @ TD @ 4-1/2" SET @ RIG RELEASE @ BROUGHT IN 0 BBLS OF CITY WATER FOR CEMENT TANKS - TOTAL 900 BBLS BROUGHT IN 200 BBLS OF FRESH WATER FOR RIG TANK - TOTAL 300 BBLS HAULED TO DISPOSAL 0 BBLS CEMENT AND SPACER - TOTAL 140 BBLS DAY DSM: LANCE FATHEREE NIGHT DSM: CHRIS LINDLEY							

DAILY COST						
Class	Code	Subcode	Description	Vendor	Daily Cost	Comment
	0652	8810	CASING (INT1)	B&L Pipe	0.00	9 5/8, 40# J-55 Casing \$25.78
	0652	8820	CASING (INT2)	B & L Pipeco Services	0.00	7" 29# VA-XP-P100 CASING \$24.80
	0652	8889	CASING (SURF)	B&L Pipe	0.00	13 3/8, 54.5# J-55 Casing \$35.84
	0652	8739	CASING/LINER (PROD)	B&L Pipe	0.00	4 1/2" 13.5# HCP110 CDC-HTQ \$12.96/ft
	0650	8790	CONTINGENCY	WPX Energy	4,526.85	8% overage
	0650	8757	DIRECTIONAL EQUIPMENT - SERVICES	MS Energy Services	9,400.00	Directional Daily Cost - (standby rate \$5300) ADJUSTMENTS MADE FOR END OF WELL COSTS
	0650	8758	DRILL FLUIDS & CHEMICALS - MATERIALS	Stellar Drilling Fluids	2,285.30	Mud materials and tax , Treated oil base mud in OBM tank farm
	0650	8989	DRILL FLUIDS & CHEMICALS - SERVICES	Stellar Drilling Fluids	1,003.45	24 hour Service 940.00 PLUS TAX PLUS BLOWER RENTAL \$45.00
	0650	8783	FLUID & CUTTINGS DISPOSAL	Republic Services	3,400.00	NO MORE DAILY RENTAL ALL IN ONE PRICE \$850 PER BIN (BIN SWAP) FROM MARCH
	0650	8823	LIVING FACILITIES & SANITATION	*New Vendor	560.00	BLACK DIAMOND Camps 6 camps plus 1 transformer
	0650	8803	MAN CAMP	WPX Energy	80.00	Shared - Superintendent housing \$80 per day on each rig
	0650	8837	MUD LOGGING	Field Geo Services Inc	1,620.00	Mud Loggers (\$1620 daily)
	0650	8868	RENTAL EQUIPMENT (DOWNHOLE)	Quail Tools LP	0.00	THREE XT39 PUP JTS 5',10',15'
	0650	8869	RENTAL EQUIPMENT (SURFACE)	JST - Johnson Specialty Tools	0.00	DIESEL PW-\$45, OBM CONT-\$140, OBM FRAC \$35 X 6, 6X8 PUMP \$110, MUD VAC \$110, MUD BUCKET \$80, 6X6 PUMP \$85, MANIFOLDS \$20 X 1, WBM FRAC \$35 X 4 (NO MAGNETS)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	RENTAL ON LOADER (B & B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Pruitt	1,100.00	Pruitt-Rotating head, bowl and orbit valve
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	350.00	FRAC TANK DAILY COST AND 1 OPEN TOP (ALL AT 25 A DAY)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	Premix Tank (B AND B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	PRT Rental	200.00	Spacer Spool, 2 SETS OF VBR RAMS BOLTS - (\$200.0 Day)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	175.00	Daily rental for 2 chokes \$175/day each
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	600.00	Daily on 5 light plants (B AND B) \$60. ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Thomas Tools	127.00	INLINE SCREEN DAILY RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	50.00	2 PORTA-JOHNS \$25.ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	250.00	H&P RENTED LOADER AND MANLIFT
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	100.00	Daily on trash trailer (GLEZZ) \$25 ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Sun Coast Resources Inc	0.00	Portable Fuel Tank
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Totco	738.50	EDR
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	190.00	Daily on communications. \$190.00 / DAY
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Safety Solutions LLC	70.00	Daily cost on H2S Monitoring System (\$70/day) (Safety)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Black Diamond Oilfield Services	0.00	Camp Generator
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	105.00	Flare Stack, Flare lines,
	0650	8760	RIG DAYWORK	Helmerich & Payne Inc.	24,923.04	Rig Operation Day Rate \$24,923 / DAY
	0650	8295	RIG MOVING RATE	Helmerich & Payne Inc.	0.00	Rig Mobilization Rate
	0650	8994	SOLIDS CONTROL - SERVICES	Kayden Industries	3,733.33	Solids Control Equipment and onsite Techs charges up to current (\$3,733.33 WBM). #,(\$3100 RIG UP.
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	0.00	Supervision- Ian Ensell
	0650	8917	WELLSITE SUPERVISION	Crescent Consulting Llc	0.00	Supervision Nights- Jacob Hinojosa
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	2,000.00	Supervision- Lance Fatheree
	0650	8917	WELLSITE SUPERVISION	WPX Energy	800.00	Shared superintendent/Foreman day rate for Keith Robert, Stan, Mark \$800 per day
	0650	8917	WELLSITE SUPERVISION	Lindley Consulting LLC	1,975.00	Supervision Nights- Chris Lindley
				Daily Total	61,112.47	
				Cumulative Total	770,737.50	

WPX Energy

Daily Drilling Report

WELL NAME:	UNIVERSITY 32-411H	AFE #:	190635	AFE \$:	3,513,250	LANDING PNT	5,220(usft'	REPORT#:	8	DATE:	7/11/2019				
FIELD:	PHANTOM	SIDETRACK:	00	DAILY COST \$:	298,596	LATERAL SEC:	0.00	DFS:	4.39						
EVENT:	DRILLING	LOCATION:		CUM COST \$:	1,070,090	TD (MD):	5,235.0	LITHOLOGY:							
OBJECTIVE:	DEVELOPMENT	CTY,ST:	WINKLER,TEXAS	DAILY MUD	0	TD (TVD):	5,210.6	FORMATION:		Wolfcamp A					
ENGINEER:	Justin Barmore	ROT HRS:	0.00	CUM MUD	0	SPUD DATE::	6/12/2019	DIESEL (MUD DIESEL):	0	/	0				
TODAY'S DEPTH:	5,235 (usft)	CUM ROT:	45.00	+/- PLAN:		RR DATE :		DIESEL (RIG FUEL):	1,348	/	10,482				
PREV. DEPTH:	5,235 (usft)			RIG::	H&P 314			SUPERVISOR:		Lance Fatheree					
PROGRESS:	(usft)	WEATHER: HIGH OF 102° LOW OF 73°						SUPERVISOR PH. #:	1-405-423-1705						
PRESENT OPERATION:	DRILLING 8 3/4" INT #2 @ 5,770'														
OPERATION FORECAST:	SLIP AND CUT DRILLING LINE. DRILL OUT 9 5/8" SHOE TRACK AND DRILL AHEAD IN 8 3/4" INT#2 SECTION.														
CSG / WELL CONTROL		DRLG DATA				DOWNTIME:		BIT RECORD							
LAST CASING:	9.625(in)	ST WT UP		PRESS		LOSS TIME (hrs):	6.50	BIT #		RPM					
DEPTH:	5,220(usft)	ST WT DN		RATE		LOSS TIME INC:	3.00	SIZE		HHP					
LAST BOP:	7/8/2019	ST WT ROT		DP AV		NEAR MISSES:	0.00	TYPE		P BIT					
LOT EMW:		TQ ON BTM		DC AV		24 HR RIG DOWN:	0.00	JETS	-						
WEIGHT LB/FT:	40(ppf)	TQ OFF BTM				CUM RIG DOWN	1.50	DEPTH IN							
CONN:	BTC							DEPTH OUT							
PUMP DATA								ROP-last 24 I							
PUMP #	MANU		LINER		STROKE		PRESSURE		GPM		CUM. FT				
1	GARDENER-DENVER		6.000		11						CUM. HRS				
2	GARDENER-DENVER		6.000		11						ROP/Cum-ent				
3	GARDENER-DENVER		6.000		11						WOB				
SURVEY DATA								DULL CONDITION							
MD	INCL	AZIM	TVD	N/S(-)	E/W(-)	VS	DLS	I	O	D	L	B	R	G	T
5,172.00	7.60	227.40	5,148.11	-259.64	-260.14	-259.64	1.23								-
5,086.00	8.60	225.00	5,062.97	-251.24	-251.40	-251.24	0.22								
4,991.00	8.50	223.80	4,969.02	-241.15	-241.52	-241.15	1.09								
4,897.00	7.50	222.10	4,875.94	-231.59	-232.60	-231.59	0.83								
4,802.00	8.10	225.90	4,781.82	-222.33	-222.64	-222.33	1.14								
MUD ADDITIVES															
PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT	
MUD DATA															
Date: 7/11/2019 6:00:00PM		MUD TYPE BRINE		CHECK DEPTH 5,235		FL TEMP		WATER 94.00 (%)		OIL 0.00 (%)		SAND 0.10 (%)			
GELS (1.0/1.0		Filter Cak 1.0 (32nd")		HTHP 0.0		MW 9.40		VISC 28.00		TEMP 120.00		ECD			
PV/YP 1.0/2.0		MBT 0.0		pH 11.00 Pm 2.40		Pf 0.50 Mf 0.80		Cl- 74,000		Total Hard 2000		K+		0	
Lubricant %		ES		WPS		CaCl2		WATER (%)		OIL (%)		HGS 0.00 (%)			
LGS 2.34 (%)		SOLIDS 2.34 (%)													
COMMENTS															
MUD GAS DATA															
CONNECTION MAX				TRIP MAX				BACKGROUND MAX							
CURRENT BHA															
DESCRIPTION		NUMBER	LENGTH	DRILL ROT		DRILL SLIDE		P/U	S/O	ROT	TORQUE	OD	ID	TOP CON SIZE	
		3	1,224.59												
Heavy Weight Drill Pipe		0	832.22	5" HWDP								5.00	3.00	4.50	
Cross Over		1	3.14	4 1/2" XH Pin x 4 1/2" IF Box								6.13	2.88	4.50	
Drill Collar		2	261.86	4 STDS 6.5" DC								6.44	2.81	4.50	
Cross Over		3	3.87	4 1/2" XH Box x 4 1/2" IF Pin								6.69	2.88	4.50	
Filter		4	7.41	FILTER SUB								6.50	2.81	4.50	
Shock Sub		5	12.67	SHOCK SUB								6.50	2.25	4.50	
Non-Mag Drill Collar		6	29.15	NMDC								6.44	2.81	4.50	
Non-Mag Pony Collar		7	29.17	NMDC								6.56	2.88	4.50	
Universal Bottom Hole Orienter		8	4.87	6 3/4" UBHO (PTSS 1.98)								6.50	2.94	4.50	
Non-Mag Integral Blabe Stabilizer		9	5.82	IBS								6.50	2.50	4.50	
Float Sub		10	3.15	6 3/4" DOUBLE Float Sub								6.69	2.88	4.50	
Bent Housing		11	30.26	Mpact 6 3/4" 7/8 6.4 Stg. Fxd @ 1.75 w/ 8 1/4" Stab								6.69		4.50	
Polycrystalline Diamond Bit		12	1.00	SMITH XS616 6 x 16's TFA 1.178								8.75		4.50	
		2	1,321.91												
Heavy Weight Drill Pipe		0	924.77	5" HWDP								5.00	3.00	4.50	
Cross Over		1	3.14	4.5XH PIN 4.5IF BOX								6.13	2.50	4.50	
Drill Collar		2	261.86	6.5" DC								6.50	2.88	4.50	
Cross Over		3	4.14	X/O								6.69	2.75	4.50	
Filter		4	7.41	FILTER SUB								8.06	2.75	6.63	
Shock Sub		5	12.49	8" SHOCK SUB								8.06	2.94	6.63	
Non-Mag Drill Collar		6	30.40	8" NMDC								8.00	2.88	6.63	
Non-Mag Drill Collar		7	30.06	8" NMDC W/ MWD								8.00	2.88	6.63	
Universal Bottom Hole Orienter		8	4.70	UBHO (P.T.S.S. 2.10)								7.94	2.88	6.63	
Integral Blade Stabilizer		9	7.21	NM STAB 11 3/4"								11.75	3.00	6.63	
Bent Housing		10	34.73	8.75" 7/8 7.0 ADJ. SET @ 1.83° W/ 11.75" STAB								11.75	3.00	6.63	
Polycrystalline Diamond Bit		11	1.00	12 1/4" Security GT66Ms								12.25		4.50	
BHA HRS		MTR HRS 0													
JAR HRS		MWD Hrs													
OPERATIONS (00:00)															
OPERATION COMMENT			TOOH F/ 500' T/ BHA. L/D 12 1/4" DIRECTIONAL BHA. PULL WEAR BUSHING AND R/U CASING CREW. RUN 9 5/8 40# J-55 BTC CASING AND LAND @ 5,220'. CIRCULATE PRIOR TO CEMENT JOB. R/U CEMENTERS. PUMP 20 BBL GEL SPACER, 10 BBL DYE SPACER, 450 BBLs (950 SKS) 11.5 PPG LEAD. 35 BBLs (150 SKS) 14.8 PPG TAIL, DISPLACE W/ 393 BBLs 9.5 PPG CUT BRINE. PLUG BUMPED ON SCHEDULE W/ 500 PSI OVER 800 PSI FLP. FLOATS HELD, 1.5 BBLs BLED BACK. 30 BBLs CEMENT TO SURFACE. R/D CEMENTING EQUIPMENT. WASH OUT WELLHEAD. INSTALL AND TEST PACKOFF. INSTALL WEAR BUSHING. LAY OUT AND M/U 8 3/4" INT #2 BHA. TIH F/ 120' - T/ 5,150'. RIG SERVICE. PRESSURE TEST CASING TO 1500 PSI FOR 30 MIN.												
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS								
00:00	00:30	5,235.00	5,235.00	06	P	F_INT1	TOOH F/ 500' T/ BHA WELL TAKING PROPER FILL								

Printed: 07/12/2019 5:37:56AM

OPERATIONS (00:00)							
OPERATION COMMENT		TOOH F/ 500' T/ BHA. L/D 12 1/4" DIRECTIONAL BHA. PULL WEAR BUSHING AND R/U CASING CREW. RUN 9 5/8 40# J-55 BTC CASING AND LAND @ 5,220'. CIRCULATE PRIOR TO CEMENT JOB. R/U CEMENTERS. PUMP 20 BBL GEL SPACER, 10 BBL DYE SPACER, 450 BBLs (950 SKS) 11.5 PPG LEAD, 35 BBLs (150 SKS) 14.8 PPG TAIL, DISPLACE W/ 393 BBLs 9.5 PPG CUT BRINE. PLUG BUMPED ON SCHEDULE W/ 500 PSI OVER 800 PSI FLP. FLOATS HELD, 1.5 BBLs BLEED BACK. 30 BBLs CEMENT TO SURFACE. R/D CEMENTING EQUIPMENT. WASH OUT WELLHEAD. INSTALL AND TEST PACKOFF. INSTALL WEAR BUSHING. LAY OUT AND M/U 8 3/4" INT #2 BHA. TIH F/ 120' - T/ 5,150'. RIG SERVICE. PRESSURE TEST CASING TO 1500 PSI FOR 30 MIN.					
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS
00:30	02:30	5,235.00	5,235.00	06	P	F_INT1	L/D 12 1/4" DIRECTIONAL BHA MOTOR DRAINED GOOD BIT GRADED 1,3 W/ BROKEN TEETH ON GAUGE.
02:30	03:00	5,235.00	5,235.00	21	P	F_INT1	PULL WEAR BUSHING W/ CACTUS REP
03:00	04:30	5,235.00	5,235.00	12	P	F_INT1	PJSM AND R/U SOUTHERN CONNECTIONS CASING CREW
04:30	10:30	5,235.00	5,235.00	12	P	F_INT1	RUN 9 5/8 40# J-55 BTC CASING AS FOLLOWS: P/U SHOE JT W/ PRE BUCKED FLOAT SHOE AND FLOAT COLLAR AND 1 JT CASING. TEST FLOATS - GOOD. RUN CASING F/ SURFACE, T/ LANDING @ 5,220'. FLOAT COLLAR @ 5,177'. ABSOLUTELY NO ISSUES RUNNING CASING. FINAL SLACK OFF WEIGHT 195K TORQUED CASING TO 8K FT/LBS TORQUE TURN / THREAD REP NOT PRESENT PLACED A TOTAL OF 34 BOW SPRING CENTRALIZERS ON STRING. 1 @ 5' ABOVE FLOAT SHOE, 1 @ 5' ABOVE FLOAT COLLAR, ACROSS NEXT 3 CONNECTIONS, AND EVERY 4TH JT TO SURFACE.
10:30	11:30	5,235.00	5,235.00	05	P	F_INT1	CIRCULATE HOLE CLEAN PRIOR TO CEMENT JOB. 8 BPM, 450 PSI
11:30	12:00	5,235.00	5,235.00	12	P	F_INT1	R/U PAR 5 CEMENTERS AND IRON
12:00	15:00	5,235.00	5,235.00	12	P	F_INT1	PRESSURE TEST LINES TO 5000 PSI. TEST GOOD. START CEMENTING 9-5/8" INT. #1 CASING WHILE MAINTAINING FULL RETURNS AS FOLLOWED: PUMP 20 BBL GEL SPACER PUMP 10 BBL DYE SPACER LEAD CEMENT: 950 SKS, 2.69 CU/FT YIELD, 15.255 GAL/SK MIX H2O RATIO (450BBLs) OF A 11.5 PPG 50/50 PERLITE/C CEMENT TAIL CEMENT: 150 SKS, 1.32 CU/FT YIELD, 6.302 GAL/SK MIX H2O RATIO (35 BBLs) OF A 14.8 PPG CLASS C CEMENT BUMPED PLUG W/ CALCULATED DISPLACEMENT OF 393 BBLs OF 9.5 PPG CUT BRINE. FINAL LIFT PRESSURE 800 PSI @ 3 BPM. BUMP PRESSURE OF 500PSI FINAL CASING PSI 1400PSI , FLOATS HELD AND 1.5 BBLs BACK WHEN PRESSURE RELEASED 30 BLS OF CEMENT RETURNS TO SURFACE, FULL RETURNS THROUGHOUT THE ENTIRE JOB.
15:00	15:30	5,235.00	5,235.00	12	P	F_INT1	R/D CEMENT EQUIPMENT. LAID DOWN LANDING JOINT.
15:30	17:30	5,235.00	5,235.00	21	P	F_INT1	P/U WASH TOOL AND WASHED OUT WELLHEAD, REMOVE WASH TOOL AND P/U PACK OFF, INSTALL PACK OFF AND TEST UPPER AND LOWER TO 5000PSI, PULL TEST TO 40K, SET PACK OFF
17:30	18:00	5,235.00	5,235.00	21	P	F_INT1	INSTALL WEAR BUSHING W/ CACTUS REP
18:00	18:30	5,235.00	5,235.00	21	P	F_INT1	LAID OUT DIRTECTIONAL BHA ON THE GO-WINGS. CLEAN RIG FLOOR PRIOR TO M/U BHA. PJSM W/ RIG CREW ON M/U BHA.
18:30	20:30	5,235.00	5,235.00	06	P	F_INT1	PICKED UP BHA #3 AS FOLLOWS AND TEST MWD 1- 8.75" XS616 SMITH WITH 6X16'S TFA OF 1.18 1- 6.75" 7/8 6.4 FIXED W/ 1.75 BEND. 8.25" NBS 1- 6.75" DOUBLE FLOAT SUB 1-8.25" STABALIZER 1- 6.75" UBHO 1- 6.75" NMDC W/ MWD 1- 6.75" NMDC 1- 6.75" SHOCK SUB 1- 6.75" FILTER SUB 1- 4.5" XH X 4.5" IF XO 3- STANDS OF 6.5" DRILL COLLARS 1- 4.5" IF BOX X 4.5" XH PIN XO 9 - STANDS OF 5" HWDP TOTAL LENGTH= 1224.59'
20:30	23:00	5,235.00	5,235.00	06	P	F_INT1	TIH F/120' - T/5,150' - WITH 3 STANDS DC'S, 10 STANDS OF HWDP - HOLE GIVING PROPER DISPLACEMENT - NO ISSUES
23:00	23:30	5,235.00	5,235.00	07	P	F_INT1	RIG SERVICE - GREASE BLOCKS AND DRAW WORKS. CHECK FLUID LEVELS. INSTALL ROTATING HEAD.
23:30	00:00	5,235.00	5,235.00	21	P	F_INT1	PRESSURE TEST CASING - SHUT IN WELL WITH CHOKES OPEN, KICK PUMPS ON TO VERIFY RETURNS THROUGH CHOKES, SHUT CHOKES AND PRESSURE UP TO 1500 PSI, HOLD FOR 30 MINUTES TESTING THE 9.625" CASING. - GOOD. BEGIN SLIP AND CUT DRILLING LINE WHILE TESTING CASING.

24 HOUR SUMMARY

UNIVERISTY 32 #411H
DFS: 4.39
DOL: 33.00
DRILLS / HSE: N/A
REGULATORY: N/A

SAFETY TOPIC: CEMENTING, FLUID TRANSFERS, GOOD COMMUNICATION, HEAT EXHAUSTION

NPT Daily: 0 HR
NPT Gross: 6.5 HR

CURRENT OPS: DRILLING 8 3/4" INT #2 @ 5,770'

24 HR SUMMARY: TOO H F/ 500' T/ BHA. L/D 12 1/4" DIRECTIONAL BHA. PULL WEAR BUSHING AND R/U CASING CREW. RUN 9 5/8 40# J-55 BTC CASING AND LAND @ 5,220'. CIRCULATE PRIOR TO CEMENT JOB. R/U CEMENTERS. PUMP 20 BBL GEL SPACER, 10 BBL DYE SPACER, 450 BBLS (950 SKS) 11.5 PPG LEAD, 35 BBLS (150 SKS) 14.8 PPG TAIL, DISPLACE W/ 393 BBLS 9.5 PPG CUT BRINE. PLUG BUMPED ON SCHEDULE W/ 500 PSI OVER 800 PSI FLP. FLOATS HELD, 1.5 BBLS BLEED BACK. 30 BBLS CEMENT TO SURFACE. R/D CEMENTING EQUIPMENT : WASH OUT WELLHEAD. INSTALL AND TEST PACKOFF. INSTALL WEAR BUSHING. LAY OUT AND M/U 8 3/4" INT #2 BHA. TIH F/ 120' - T/ 5,150'. RIG SERVICE. PRESSURE TEST CASING TO 1500 PSI FOR 30 MIN.

FOOTAGE LAST 24 HRS: 0'
ROP: 0 FPH
ROTATE: 0' 0%
SLIDE: 0' 0%

LAST SURVEY: 5622', INC: 7.2°, AZM: 230.3°, TVD: 5594.22, DLS: 0.33
BIT PROJECTION: 5682 ', INC: 7.2°, AZM: 230.3°, 0' ABOVE & 4' LEFT.

MUD PROPERTIES: MW: 9.4, VIS: 28, pH: 11, Cl: 74,000, LGS: 2.34

LAST LITHOLOGY: @ 5,600' - 80% SANDSTONE, 20% SILTSTONE

FORMATION TOPS:	MD	TVD
BELL CANYON (BASE OF SALT)	5,157'	5,133'
CHERRY CANYON		
BRUSHY CANYON		
BONE SPRING		
AVALON		
1ST BONE SPRING SAND		
2ND BONE SPRING LIME		
2ND BONE SPRING SAND		
3RD BONE SPRING LIME		
3RD BONE SPRING SAND		
WOLFCAMP TOP		
WOLFCAMP A		
WOLFCAMP B		
WOLFCAMP C		
WOLFCAMP D		
WOLFCAMP D HOT		
TOP TARGET		
LANDING POINT		
BASE TARGET		

RIG KB: 25.5'
20" CONDUCTOR SET @ 105'
SURFACE SPUDDED @ 0330HRS 6/12/219
13-3/8" SET AT 494.7'
9-5/8" SET @ 5,220'
7" SET @
KICK-OFF POINT @
LAND CURVE @
TD @
4-1/2" SET @
RIG RELEASE @

BROUGHT IN 400 BBLS OF FRESH WATER FOR FRAC TANKS - TOTAL 600 BBLS
BROUGHT IN 400 BBLS OF CITY WATER FOR CEMENT TANKS - TOTAL 1200 BBLS
BROUGHT IN 0 BBLS OF FRESH WATER FOR RIG TANK - TOTAL 300 BBLS
HAULED TO DISPOSAL 100 BBLS CEMENT AND SPACER - TOTAL 240 BBLS

DAY DSM: LANCE FATHEREE
NIGHT DSM: CHRIS LINDLEY

DAILY COST						
Class	Code	Subcode	Description	Vendor	Daily Cost	Comment
	0650	8732	BITS	Schlumberger Technology Corp - S	13,390.35	SMITH 8.75" XS616 S/N JN6849
	0652	8810	CASING (INT1)	B&L Pipe	133,717.77	9 5/8, 40# J-55 Casing \$25.78
	0652	8820	CASING (INT2)	B & L Pipeco Services	0.00	7" 29# VA-XP-P100 CASING \$24.80
	0652	8889	CASING (SURF)	B&L Pipe	0.00	13 3/8, 54.5# J-55 Casing \$35.84
	0650	8734	CASING CREWS & TOOLS	Southern Connections & Services I	7,350.00	9 5/8" CASING RUN #10227
	0652	8739	CASING/LINER (PROD)	B&L Pipe	0.00	4 1/2" 13.5# HCP110 CDC-HTQ \$12.96/ft
	0650	8811	CEMENT (INT1) - MATERIALS	PAR-FIVE Energy	17,912.32	INT #1 CEMENT MATERIALS #TKT00009471
	0650	8949	CEMENT (INT1) - SERVICES	PAR-FIVE Energy	23,432.94	INT #1 CEMENT SERVICES #TKT00009471
	0650	8781	CENTRALIZERS & FLOAT EQUIP (SURF) (INT1) (B & L Pipeco Services	1,000.00	PRE BUCKED WEATHERFORD FLOAT EQUIPMENT FOR 9 5/8" CASING
	0650	8790	CONTINGENCY	WPX Energy	22,118.24	8% overage
	0650	8757	DIRECTIONAL EQUIPMENT - SERVICES	MS Energy Services	21,640.00	Directional Daily Cost - (standby rate \$5300) ADJUSTMENTS MADE FOR END OF WELL COSTS
	0650	8758	DRILL FLUIDS & CHEMICALS - MATERIALS	Stellar Drilling Fluids	29.25	Mud materials and tax , Treated oil base mud in OBM tank farm
	0650	8989	DRILL FLUIDS & CHEMICALS - SERVICES	Stellar Drilling Fluids	1,003.45	24 hour Service 940.00 PLUS TAX PLUS BLOWER RENTAL \$45.00
	0650	8783	FLUID & CUTTINGS DISPOSAL	Republic Services	3,400.00	NO MORE DAILY RENTAL ALL IN ONE PRICE \$850 PER BIN (BIN SWAP) FROM MARCH
	0650	8823	LIVING FACILITIES & SANITATION	*New Vendor	560.00	BLACK DIAMOND Camps 6 camps plus 1 transformer
	0650	8803	MAN CAMP	WPX Energy	80.00	Shared - Superintendant housing \$80 per day on each rig
	0650	8837	MUD LOGGING	Field Geo Services Inc	1,620.00	Mud Loggers (\$1620 daily)
	0650	8868	RENTAL EQUIPMENT (DOWNHOLE)	Quail Tools LP	0.00	THREE XT39 PUP JTS 5',10',15'
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Safety Solutions LLC	70.00	Daily cost on H2S Monitoring System (\$70/day) (Safety)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	RENTAL ON LOADER (B & B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	350.00	FRAC TANK DAILY COST AND 1 OPEN TOP (ALL AT 25 A DAY)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Thomas Tools	127.00	INLINE SCREEN DAILY RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	250.00	H&P RENTED LOADER AND MANLIFT
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Totco	738.50	EDR
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Pruitt	1,100.00	Pruitt-Rotating head, bowl and orbit valve
	0650	8869	RENTAL EQUIPMENT (SURFACE)	PRT Rental	200.00	Spacer Spool, 2 SETS OF VBR RAMS BOLTS - (\$200.0 Day)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	100.00	Daily on trash trailer (GLEZZ) \$25 ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	600.00	Daily on 5 light plants (B AND B) \$60. ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	105.00	Flare Stack, Flare lines,
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	175.00	Daily rental for 2 chokes \$175/day each
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	Premix Tank (B AND B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	JST - Johnson Specialty Tools	0.00	DIESEL PW-\$45, OBM CONT-\$140, OBM FRAC \$35 X 6, 6X8 PUMP \$110, MUD VAC \$110, MUD BUCKET \$80, 6X6 PUMP \$85, MANIFOLDS \$20 X 1, WBM FRAC \$35 X 4 (NO MAGNETS) 2 PORTA-JOHNS \$25.ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	50.00	
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	190.00	Daily on communications. \$190.00 / DAY
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Black Diamond Oilfield Services	0.00	Camp Generator
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Sun Coast Resources Inc	0.00	Portable Fuel Tank
	0650	8760	RIG DAYWORK	Helmerich & Payne Inc.	24,923.04	Rig Operation Day Rate \$24,923 / DAY
	0650	8295	RIG MOVING RATE	Helmerich & Payne Inc.	0.00	Rig Mobilization Rate
	0650	8885	SOLIDS CONTROL - MATERIALS	Continental Wire	8,320.00	SHAKER SCREENS. 26 - 170'S AND 6 - 140'S #19398
	0650	8994	SOLIDS CONTROL - SERVICES	Kayden Industries	3,733.33	Solids Control Equipment and onsite Techs charges up to current (\$3,733.33 WBM). #,(\$3100 RIG UP.
	0650	8743	WELLHEAD - SERVICES	Cactus Wellhead Llc	4,785.00	LAND 9 5/8" CASING AND INSTALL PACKOFF #0278270
	0650	8917	WELLSITE SUPERVISION	Crescent Consulting Llc	0.00	Supervision Nights- Jacob Hinojosa
	0650	8917	WELLSITE SUPERVISION	WPX Energy	800.00	Shared superintendant/Foreman day rate for Keith Robert, Stan, Mark \$800 per day
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	0.00	Supervision- Ian Ensell
	0650	8917	WELLSITE SUPERVISION	Lindley Consulting LLC	1,975.00	Supervision Nights- Chris Lindley
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	2,000.00	Supervision- Lance Fatheree
				Daily Total	298,596.18	
				Cumulative Total	1,070,090.30	

WPX Energy																	
Daily Drilling Report																	
WELL NAME:	UNIVERSITY 32-411H		AFE #:	190635		AFE \$:	3,513,250		LANDING PNT	5,220(usft'		REPORT#:	9	DATE:	7/12/2019		
FIELD:	PHANTOM		SIDETRACK:	00		DAILY COST \$:	88,359		LATERAL SEC:	0.00		DFS:	5.39				
EVENT:	DRILLING		LOCATION:			CUM COST \$:	1,172,261		TD (MD):	7,967.0		LITHOLOGY:					
OBJECTIVE:	DEVELOPMENT		CTY,ST:	WINKLER,TEXAS		DAILY MUD	0		TD (TVD):	7,917.3		FORMATION:		Wolfcamp A			
ENGINEER:	Justin Barmore		ROT HRS:	22.00		CUM MUD	0		SPUD DATE::	6/12/2019		DIESEL (MUD DIESEL):		0 / 0			
TODAY'S DEPTH:		7,967 (usft)	CUM ROT:	67.00		+/- PLAN:			RR DATE :			DIESEL (RIG FUEL):		2,764 / 13,246			
PREV. DEPTH:		5,235 (usft)				RIG::		H&P 314				SUPERVISOR:		Lance Fatheree			
PROGRESS:		2,732 (usft)	WEATHER: HIGH OF 99° LOW OF 72°									SUPERVISOR PH. #:		1-405-423-1705			
PRESENT OPERATION:		DRILLING 8 3/4" INT #2 @ 8,174'															
OPERATION FORECAST:		DRILL AHEAD IN 8 3/4" INT #2															
CSG / WELL CONTROL			DRLG DATA				DOWNTIME:				BIT RECORD						
LAST CASING:		9.625(in)	ST WT UP	270.0	PRESS	2,300.00	LOSS TIME (hrs):		6.50		BIT #	3	RPM	0			
DEPTH:		5,220(usft)	ST WT DN	210.0	RATE	599.0	LOSS TIME INC:		3.00		SIZE	8-3/4 (")		HHP	80.12		
LAST BOP:		7/8/2019	ST WT ROT	240.0	DP AV		NEAR MISSES:		0.00		TYPE	XS616		P BIT	229.46		
LOT EMW:			TQ ON BTM	15,000.0	DC AV		24 HR RIG DOWN:		0.00		JETS	6-16					
WEIGHT LB/FT:		40(ppf)	TQ OFF BTM	9,000.0			CUM RIG DOWN		1.50		DEPTH IN	5,235.0					
CONN:		BTC									DEPTH OUT						
PUMP DATA													DULL CONDITION				
PUMP #	MANU			LINER		STROKE		PRESSURE		GPM							
1	GARDENER-DENVER			6.000		11		2,900.00		299.3							
2	GARDENER-DENVER			6.000		11		2,900.00		299.3							
3	GARDENER-DENVER			6.000		11											
SURVEY DATA																	
MD	INCL	AZIM	TVD	N/S(-)	E/W(-)	VS	DLS										
7,897.00	6.10	235.40	7,847.66	-504.95	-535.18	-504.95	1.29										
7,802.00	6.60	225.30	7,753.24	-498.24	-527.15	-498.24	0.62										
7,707.00	6.60	220.20	7,658.87	-490.23	-519.74	-490.23	0.29										
7,613.00	6.80	218.60	7,565.51	-481.76	-512.78	-481.76	0.76										
7,518.00	6.10	220.30	7,471.12	-473.51	-506.01	-473.51	1.32										
MUD ADDITIVES																	
PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT			
MUD DATA																	
Date: 7/12/2019 6:00:00PM		MUD TYPE BRINE		CHECK DEPTH 7,591		FL TEMP 125.00		WATER 90.00 (%)		OIL 0.00 (%)		SAND 0.10 (%)					
GELS (1.0/1.0		Filter Cak 0.0 (32nd")		HTHP 0.0		MW 9.65		VISC 28.00		TEMP 120.00		ECD 9.87					
PV/YP 1.0/3.0		MBT 0.0		pH 11.00 Pm 1.90		Pf 0.30 Mf 0.55		Cl- 141,000		Total Hard 3200		K+ 0					
Lubricant %		ES		WPS		CaCl2		WATER (%)		OIL (%)		HGS 0.00 (%)					
LGS 3.02 (%)		SOLIDS 3.02 (%)															
COMMENTS																	
MUD GAS DATA																	
CONNECTION MAX				1,672.00		TRIP MAX				BACKGROUND MAX				2,864.00			
CURRENT BHA																	
DESCRIPTION		NUMBER	LENGTH	DRILL ROT		DRILL SLIDE		P/U	S/O	ROT	TORQUE	OD	ID	TOP CON SIZE			
		3	1,224.59	2,732.00				270.00	210.00	240.0	15,000.0						
Heavy Weight Drill Pipe		0	832.22	5" HWDP										5.00	3.00	4.50	
Cross Over		1	3.14	4 1/2" XH Pin x 4 1/2" IF Box										6.13	2.88	4.50	
Drill Collar		2	261.86	4 STDS 6.5" DC										6.44	2.81	4.50	
Cross Over		3	3.87	4 1/2" XH Box x 4 1/2" IF Pin										6.69	2.88	4.50	
Filter		4	7.41	FILTER SUB										6.50	2.81	4.50	
Shock Sub		5	12.67	SHOCK SUB										6.50	2.25	4.50	
Non-Mag Drill Collar		6	29.15	NMDC										6.44	2.81	4.50	
Non-Mag Pony Collar		7	29.17	NMDC										6.56	2.88	4.50	
Universal Bottom Hole Orienter		8	4.87	6 3/4" UBHO (PTSS 1.98)										6.50	2.94	4.50	
Non-Mag Integral Blabe Stabilizer		9	5.82	IBS										6.50	2.50	4.50	
Float Sub		10	3.15	6 3/4" DOUBLE Float Sub										6.69	2.88	4.50	
Bent Housing		11	30.26	Mpact 6 3/4" 7/8 6.4 Stg. Fxd @ 1.75 w/ 8 1/4" Stab										6.69		4.50	
Polycrystalline Diamond Bit		12	1.00	SMITH XS616 6 x 16's TFA 1.178										8.75		4.50	
BHA HRS 22.00		MTR HRS 22.00															
JAR HRS		MWD Hrs 22.00															
OPERATIONS (00:00)																	
OPERATION COMMENT				SLIP AND CUT DRILLING LINE. DRILL OUT 9 5/8" SHOE TRACK F/ 5,177' T/ 5,220'. CLEAN OUT RAT HOLE F/ 5,220' T/ 5,235'. DRILL 8 3/4" INT #2 F/ 5,235' T/ 5,935'. RIG SERVICE. DRILL 8 3/4" INT #2 F/ 5,935' T/ 7,967'													
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS										
00:00	00:30	5,235.00	5,235.00	09	P	F_INT1	SLIP AND CUT 75' DRILLING LINE AND RE-CALIBRATE BLOCKS.										
00:30	01:30	5,235.00	5,235.00	03	P	F_INT1	DRILL OUT CEMENT AND SHOE TRACK F/ 5,177' T/ 5,220'. F/C @ 5,177', FS @ 5,220'. CLEAN OUT RAT HOLE T/ 5,235' WITH 350 GPM, 25 RPM TQ 5-10K WOB, 7K TORQUE, 900 PSI OFF, 1100 PSI ON.										
01:30	06:00	5,235.00	5,935.00	02	P	DRLIN2	DRILL 8.75" INT #2 HOLE F/ 5,235' MD T/ 5,935' MD (700' @ 155.6 FPH) 400-600 GPM, 2,900 PSI ON, 2,200 PSI OFF 25-70 RPM, 14K TORQUE ON, 6K TORQUE OFF PU 220K, SO 190K, ROT 200K SURVEY EVERY ~90 FT MUD WEIGHT: 9.5+ PPG IN, 9.5+ PPG OUT, 28 VIS PUMPING 30 BBL HI-VIS SWEEP AS NEEDED NO FLOW ON CONNECTIONS NO LOSSES										

OPERATIONS (00:00)							
OPERATION COMMENT				SLIP AND CUT DRILLING LINE. DRILL OUT 9 5/8" SHOE TRACK F/ 5,177' T/ 5,220'. CLEAN OUT RAT HOLE F/ 5,220' T/ 5,235'. DRILL 8 3/4" INT #2 F/ 5,235' T/ 5,935'. RIG SERVICE. DRILL 8 3/4" INT #2 F/ 5,935' T/ 7,967'			
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS
06:00	15:30	5,935.00	7,388.00	02	P	DRLIN2	DRILL 8.75" INT #2 HOLE F/ 5,935' MD T/ 7,388' MD (1,453' @ 152.9 FPH) 600 GPM, 2,900 PSI ON, 2,200 PSI OFF 60-70 RPM, 14K TORQUE ON, 6K TORQUE OFF PU 220K, SO 190K, ROT 200K SURVEY EVERY ~90 FT MUD WEIGHT: 9.5+ PPG IN, 9.5+ PPG OUT, 28 VIS PUMPING 30 BBL HI-VIS SWEEP AS NEEDED NO FLOW ON CONNECTIONS NO LOSSES
15:30	16:00	7,388.00	7,388.00	07	P	DRLIN2	SERVICED RIG. GREASED CROWN AND BLOCKS. FUNCTION TESTED ORBIT VALVE AND KNIFE VALVES @ GUMBO BOX
16:00	00:00	7,388.00	7,967.00	02	P	DRLIN2	DRILL 8.75" INT #2 HOLE F/ 7,388' MD T/ 7,967' MD (579' @ 72.4 FPH) 500-600 GPM, 2,900 PSI ON, 2,300 PSI OFF 40-70 RPM, 15K TORQUE ON, 9K TORQUE OFF PU 270K, SO 210K, ROT 240K SURVEY EVERY ~90 FT MUD WEIGHT: 9.6+ PPG IN, 9.6+ PPG OUT, 28 VIS PUMPING 30 BBL HI-VIS SWEEP AS NEEDED APPX 4 BBLs / HR FLOW ON CONNECTIONS NO LOSSES
24 HOUR SUMMARY							
UNIVERISTY 32 #411H DFS: 5.39 DOL: 34.00 DRILLS / HSE: N/A REGULATORY: N/A SAFETY TOPIC: HOUSEKEEPING, BEING FIT FOR DUTY, RIGHT TOOL FOR THE JOB NPT Daily: 0 HR NPT Gross: 6.5 HR CURRENT OPS: DRILLING 8 3/4" INT #2 @ 8,174' 24 HR SUMMARY: SLIP AND CUT DRILLING LINE. DRILL OUT 9 5/8" SHOE TRACK F/ 5,177' T/ 5,220'. CLEAN OUT RAT HOLE F/ 5,220' T/ 5,235'. DRILL 8 3/4" INT #2 F/ 5,235' T/ 5,935'. RIG SERVICE. DRILL 8 3/4" INT #2 F/ 5,935' T/ 7,967' FOOTAGE LAST 24 HRS: 2732' ROP: 124.2 FPH ROTATE: 2,618' 95.8% SLIDE: 114' 4.2% LAST SURVEY: 8,086', INC: 6.7°, AZM: 222.3°, TVD: 8035.41, DLS: 0.41 BIT PROJECTION: 8,146', INC: 6.7°, AZM: 222.3°, 6' BELOW & 7' RIGHT. MUD PROPERTIES: MW: 9.65, VIS: 28, pH: 11, Cl: 141,000, LGS: 3.02 LAST LITHOLOGY: @ 8,100' - 55% SANDSTONE, 45% SILTSTONE, 5% LIMESTONE FORMATION TOPS: MD TVD BELL CANYON (BASE OF SALT) 5,157' 5,133' CHERRY CANYON 6,837' 6,352' BRUSHY CANYON 7,489' 7,442' BONE SPRING AVALON 1ST BONE SPRING SAND 2ND BONE SPRING LIME 2ND BONE SPRING SAND 3RD BONE SPRING LIME 3RD BONE SPRING SAND WOLFCAMP TOP WOLFCAMP A WOLFCAMP B WOLFCAMP C WOLFCAMP D WOLFCAMP D HOT TOP TARGET LANDING POINT BASE TARGET RIG KB: 25.5' 20" CONDUCTOR SET @ 105' SURFACE SPUDDER @ 0330HRS 6/12/219 13-3/8" SET AT 494.7' 9-5/8" SET @ 5,220' 7" SET @ KICK-OFF POINT @ LAND CURVE @ TD @ 4-1/2" SET @ RIG RELEASE @ BROUGHT IN 0 BBLs OF FRESH WATER FOR FRAC TANKS - TOTAL 600 BBLs BROUGHT IN 0 BBLs OF CITY WATER FOR CEMENT TANKS - TOTAL 1200 BBLs BROUGHT IN 200 BBLs OF FRESH WATER FOR RIG TANK - TOTAL 500 BBLs HAULED TO DISPOSAL 0 BBLs CEMENT AND SPACER - TOTAL 240 BBLs DAY DSM: LANCE FATHEREE NIGHT DSM: CHRIS LINDLEY							

DAILY COST						
Class	Code	Subcode	Description	Vendor	Daily Cost	Comment
	0652	8810	CASING (INT1)	B&L Pipe	0.00	9 5/8, 40# J-55 Casing \$25.78
	0652	8820	CASING (INT2)	B & L Pipeco Services	0.00	7" 29# VA-XP-P100 CASING \$24.80
	0652	8889	CASING (SURF)	B&L Pipe	0.00	13 3/8, 54.5# J-55 Casing \$35.84
	0652	8739	CASING/LINER (PROD)	B&L Pipe	0.00	4 1/2" 13.5# HCP110 CDC-HTQ \$12.96/ft
	0650	8790	CONTINGENCY	WPX Energy	6,545.08	8% overage
	0650	8757	DIRECTIONAL EQUIPMENT - SERVICES	MS Energy Services	9,400.00	Directional Daily Cost - (standby rate \$5300) ADJUSTMENTS MADE FOR END OF WELL COSTS
	0650	8758	DRILL FLUIDS & CHEMICALS - MATERIALS	Stellar Drilling Fluids	5,844.89	Mud materials and tax , Treated oil base mud in OBM tank farm
	0650	8989	DRILL FLUIDS & CHEMICALS - SERVICES	Corrosion LTD	742.50	55 GAL CLTD-593 #161365
	0650	8989	DRILL FLUIDS & CHEMICALS - SERVICES	Stellar Drilling Fluids	1,003.45	24 hour Service 940.00 PLUS TAX PLUS BLOWER RENTAL \$45.00
	0650	8166	DYED DIESEL	Sun Coast Resources Inc	18,305.60	7113 GAL RIG DIESEL @ \$2.5669 / GAL + \$5.45 FUEL SURCHARGE + 41.88 LOADING FEE. #6015638
	0650	8783	FLUID & CUTTINGS DISPOSAL	Republic Services	3,400.00	NO MORE DAILY RENTAL ALL IN ONE PRICE \$850 PER BIN (BIN SWAP) FROM MARCH
	0650	8823	LIVING FACILITIES & SANITATION	*New Vendor	560.00	BLACK DIAMOND Camps 6 camps plus 1 transformer
	0650	8803	MAN CAMP	WPX Energy	80.00	Shared - Superintendent housing \$80 per day on each rig
	0650	8837	MUD LOGGING	Field Geo Services Inc	1,620.00	Mud Loggers (\$1620 daily)
	0650	8868	RENTAL EQUIPMENT (DOWNHOLE)	Quail Tools LP	0.00	THREE XT39 PUP JTS 5',10',15'
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	250.00	H&P RENTED LOADER AND MANLIFT
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Thomas Tools	127.00	INLINE SCREEN DAILY RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	350.00	FRAC TANK DAILY COST AND 1 OPEN TOP (ALL AT 25 A DAY)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Sun Coast Resources Inc	0.00	Portable Fuel Tank
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	50.00	2 PORTA-JOHNS \$25.ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Totco	738.50	EDR
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	190.00	Daily on communications. \$190.00 / DAY
	0650	8869	RENTAL EQUIPMENT (SURFACE)	PRT Rental	200.00	Spacer Spool, 2 SETS OF VBR RAMS BOLTS - (\$200.0 Day)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	100.00	Daily on trash trailer (GLEZZ) \$25 ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	175.00	Daily rental for 2 chokes \$175/day each
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	600.00	Daily on 5 light plants (B AND B) \$60. ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	RENTAL ON LOADER (B & B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	JST - Johnson Specialty Tools	0.00	DIESEL PW-\$45, OBM CONT-\$140, OBM FRAC \$35 X 6, 6X8 PUMP \$110, MUD VAC \$110, MUD BUCKET \$80, 6X6 PUMP \$85, MANIFOLDS \$20 X 1, WBM FRAC \$35 X 4 (NO MAGNETS)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	Premix Tank (B AND B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Black Diamond Oilfield Services	0.00	Camp Generator
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Safety Solutions LLC	70.00	Daily cost on H2S Monitoring System (\$70/day) (Safety)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	105.00	Flare Stack, Flare lines,
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Pruitt	1,100.00	Pruitt-Rotating head, bowl and orbit valve
	0650	8760	RIG DAYWORK	Helmerich & Payne Inc.	24,923.04	Rig Operation Day Rate \$24,923 / DAY
	0650	8295	RIG MOVING RATE	Helmerich & Payne Inc.	0.00	Rig Mobilization Rate
	0650	8994	SOLIDS CONTROL - SERVICES	Kayden Industries	3,733.33	Solids Control Equipment and onsite Techs charges up to current (\$3,733.33 WBM). #,(\$3100 RIG UP.
	0650	8742	TRUCKING	Hughes Oilfield Transportation, Inc	689.18	HAUL AND BACKHAUL POWER UNIT F/ PRUITT #091972
	0650	8742	TRUCKING	Major League Trucking	1,931.00	HAUL DIRECTIONAL TOOLS #12078A
	0650	8917	WELLSITE SUPERVISION	Crescent Consulting Llc	0.00	Supervision Nights- Jacob Hinojosa
	0650	8917	WELLSITE SUPERVISION	Lindley Consulting LLC	1,975.00	Supervision Nights- Chris Lindley
	0650	8917	WELLSITE SUPERVISION	WPX Energy	800.00	Shared superintendent/Foreman day rate for Keith Robert, Stan, Mark \$800 per day
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	0.00	Supervision- Ian Ensell
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	2,000.00	Supervision- Lance Fatheree
				Daily Total	88,358.57	
				Cumulative Total	1,172,260.87	

WPX Energy																					
Daily Drilling Report																					
WELL NAME:	UNIVERSITY 32-411H		AFE #:	190635		AFE \$:	3,513,250		LANDING PNT	5,220(usft'		REPORT#:	11	DATE:	7/14/2019						
FIELD:	PHANTOM		SIDETRACK:	00		DAILY COST \$:	60,977		LATERAL SEC:	0.00		DFS:	7.39								
EVENT:	DRILLING		LOCATION:			CUM COST \$:	1,299,597		TD (MD):	10,137.0		LITHOLOGY:									
OBJECTIVE:	DEVELOPMENT		CTY,ST:	WINKLER,TEXAS		DAILY MUD	0		TD (TVD):	10,080.6		FORMATION:		2nd Bone Spring Lime							
ENGINEER:	Justin Barmore		ROT HRS:	9.00		CUM MUD	0		SPUD DATE::	6/12/2019		DIESEL (MUD DIESEL):		0 / 0							
TODAY'S DEPTH:		10,137 (usft)	CUM ROT:	99.50		+/- PLAN:			RR DATE :			DIESEL (RIG FUEL):		1,926 / 17,784							
PREV. DEPTH:		9,242 (usft)				RIG::		H&P 314				SUPERVISOR:		Lance Fatheree							
PROGRESS:		895 (usft)	WEATHER: HIGH OF 98° LOW OF 69°										SUPERVISOR PH. #:		1-405-423-1705						
PRESENT OPERATION:		DRILLING 8.75" INT #2 @ 10,563'																			
OPERATION FORECAST:		DRILL 8.75" INT #2 TO KOP (+/- 11,270') CIRCULATE HOLE CLEAN. TOOHP AND P/U CURVE BHA. TIH AND BEGIN DRILLING 8.75" CURVE																			
CSG / WELL CONTROL			DRLG DATA				DOWNTIME:				BIT RECORD										
LAST CASING:		9.625(in)	ST WT UP	320.0	PRESS	2,150.00		LOSS TIME (hrs):		6.50		BIT #	4	RPM	153						
DEPTH:		5,220(usft)	ST WT DN	220.0	RATE	545.0		LOSS TIME INC:		3.00		SIZE	8-3/4 (")		HHP	61.06					
LAST BOP:		7/8/2019	ST WT ROT	260.0	DP AV			NEAR MISSES:		0.00		TYPE	XZ616		P BIT	192.09					
LOT EMW:			TQ ON BTM	15,000.0	DC AV			24 HR RIG DOWN:		0.00		JETS	6-16								
WEIGHT LB/FT:		40(ppf)	TQ OFF BTM	13,000.0					CUM RIG DOWN		1.50	DEPTH IN	9,260.0								
CONN:		BTC										DEPTH OUT									
PUMP DATA														DULL CONDITION							
PUMP #	MANU			LINER		STROKE		PRESSURE		GPM											
1	GARDENER-DENVER			6.000		11		3,000.00		272.4											
2	GARDENER-DENVER			6.000		11		3,000.00		272.4											
3	GARDENER-DENVER			6.000		11															
SURVEY DATA																					
MD	INCL	AZIM	TVD	N/S(-)	E/W(-)	VS	DLS														
10,077.00	1.20	161.10	10,020.62	-598.28	-630.11	-598.28	1.01														
9,982.00	1.90	186.20	9,925.65	-595.77	-630.26	-595.77	0.64														
9,887.00	1.30	190.40	9,830.69	-593.15	-629.90	-593.15	0.98														
9,792.00	0.40	170.50	9,735.70	-591.76	-629.76	-591.76	0.32														
9,698.00	0.70	167.90	9,641.71	-590.88	-629.93	-590.88	0.88														
MUD ADDITIVES																					
PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT							
MUD DATA																					
Date: 7/14/2019 6:00:00PM		MUD TYPE BRINE		CHECK DEPTH 9,475		FL TEMP 112.00		WATER 91.00 (%)		OIL 0.00 (%)		SAND 0.10 (%)									
GELS (1.0/1.0		Filter Cak 0.0 (32nd")		HTHP 0.0		MW 9.75		VISC 28.00		TEMP 120.00		ECD 10.00									
PV/YP 1.0/3.0		MBT 0.0		pH 11.00 Pm 1.70		Pf 0.40 Mf 0.70		Cl- 132,000		Total Hard 2800		K+ 0									
Lubricant %		ES		WPS		CaCl2		WATER (%)		OIL (%)		HGS 0.00 (%)									
LGS 2.47 (%)		SOLIDS 2.47 (%)																			
COMMENTS																					
MUD GAS DATA																					
CONNECTION MAX				947.00				TRIP MAX				BACKGROUND MAX				1,878.00					
CURRENT BHA																					
DESCRIPTION		NUMBER	LENGTH	DRILL ROT		DRILL SLIDE		P/U	S/O	ROT	TORQUE	OD	ID	TOP CON SIZE							
		4	1,224.64	877.00				340.00	240.00	280.0	18,000.0										
Heavy Weight Drill Pipe		0	832.22	5" HWDP								5.00	3.00	4.50							
Cross Over		1	3.14	4 1/2" XH Pin x 4 1/2" IF Box								6.13	2.88	4.50							
Drill Collar		2	261.86	4 STDS 6.5" DC								6.44	2.81	4.50							
Cross Over		3	3.87	4 1/2" XH Box x 4 1/2" IF Pin								6.69	2.88	4.50							
Filter		4	7.41	FILTER SUB								6.50	2.81	4.50							
Shock Sub		5	12.67	SHOCK SUB								6.50	2.25	4.50							
Non-Mag Drill Collar		6	29.15	NMDC								6.44	2.81	4.50							
Non-Mag Pony Collar		7	29.17	NMDC								6.56	2.88	4.50							
Universal Bottom Hole Orienter		8	4.87	6 3/4" UBHO (PTSS 1.98)								6.50	2.94	4.50							
Non-Mag Integral Blabe Stabilizer		9	5.82	IBS								6.50	2.50	4.50							
Float Sub		10	3.15	6 3/4" DOUBLE Float Sub								6.69	2.88	4.50							
Bent Housing		11	30.31	Mpact 6 3/4" 7/8 6.4 Stg. Fxd @ 1.75 w/ 8 1/4" Stab								6.69		4.50							
Polycrystalline Diamond Bit		12	1.00	SMITH XZ616 6 x 16's TFA 1.178								8.75		4.50							
		3	1,224.59	18.00				320.00	220.00	260.0	15,000.0										
Heavy Weight Drill Pipe		0	832.22	5" HWDP								5.00	3.00	4.50							
Cross Over		1	3.14	4 1/2" XH Pin x 4 1/2" IF Box								6.13	2.88	4.50							
Drill Collar		2	261.86	4 STDS 6.5" DC								6.44	2.81	4.50							
Cross Over		3	3.87	4 1/2" XH Box x 4 1/2" IF Pin								6.69	2.88	4.50							
Filter		4	7.41	FILTER SUB								6.50	2.81	4.50							
Shock Sub		5	12.67	SHOCK SUB								6.50	2.25	4.50							
Non-Mag Drill Collar		6	29.15	NMDC								6.44	2.81	4.50							
Non-Mag Pony Collar		7	29.17	NMDC								6.56	2.88	4.50							
Universal Bottom Hole Orienter		8	4.87	6 3/4" UBHO (PTSS 1.98)								6.50	2.94	4.50							
Non-Mag Integral Blabe Stabilizer		9	5.82	IBS								6.50	2.50	4.50							
Float Sub		10	3.15	6 3/4" DOUBLE Float Sub								6.69	2.88	4.50							
Bent Housing		11	30.26	Mpact 6 3/4" 7/8 6.4 Stg. Fxd @ 1.75 w/ 8 1/4" Stab								6.69		4.50							
Polycrystalline Diamond Bit		12	1.00	SMITH XS616 6 x 16's TFA 1.178								8.75		4.50							
BHA HRS		54.50	MTR HRS		54.50																
JAR HRS				MWD Hrs		54.50															
OPERATIONS (00:00)																					
OPERATION COMMENT			DRILL 8.75" INT #2 HOLE F/ 9,242' MD T/ 9,260' MD. PUMP 2 - 30 BBL HI-VIS SWEEPS AND CIRCULATE HOLE CLEAN. FLOW CHECK - WELL FLOWING @ 7 BBLs / HR. PUMP 50 BBL 13.5 PPG SLUG AND TOOHP F/ 9,260' T/ 8,901'. SHUT IN AND BULLHEAD 83 BBLs 13.5 PPG KILL MUD. TOOHP F/ 8,901' T/ DIRECTIONAL BHA. C/O BIT AND MWD. TIH F/ SURFACE T/ 9,180'. FILLED BACK SIDE WITH 197 BBLs OF 9.8 ACTIVE MUD. SHUT WELL IN AND INDUCE WELL W/ 98 BBLs OF 9.9 ACTIVE MUD. WASHED AND REAMED F/ 9,180' TO BOTOM @ 9,260' AND FAN BOTTOM FOR 5 MIN. DRILL 8.75" INT #2 HOLE F/ 9,260' MD T/ 10,137' MD.																		
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS														

OPERATIONS (00:00)							
OPERATION COMMENT				DRILL 8.75" INT #2 HOLE F/ 9,242' MD T/ 9,260' MD. PUMP 2 - 30 BBL HI-VIS SWEEPS AND CIRCULATE HOLE CLEAN. FLOW CHECK - WELL FLOWING @ 7 BBLS / HR. PUMP 50 BBL 13.5 PPG SLUG AND TOO H F/ 9,260' T/ 8,901'. SHUT IN AND BULLHEAD 83 BBLS 13.5 PPG KILL MUD. TOO H F/ 8,901' T/ DIRECTIONAL BHA. C/O BIT AND MWD. TIH F/ SURFACE T/ 9,180'. FILLED BACK SIDE WITH 197 BBLS OF 9.8 ACTIVE MUD. SHUT WELL IN AND INDUCE WELL W/ 98 BBLS OF 9.9 ACTIVE MUD. WASHED AND REAMED F/ 9,180' TO BOTOM @ 9,260' AND FAN BOTTOM FOR 5 MIN. DRILL 8.75" INT #2 HOLE F/ 9,260' MD T/ 10,137' MD.			
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS
00:00	01:00	9,242.00	9,260.00	02	P	DRLIN2	DRILL 8.75" INT #2 HOLE F/ 9,242' MD T/ 9,260' MD (18' @ 18 FPH) 545 GPM, 2,600 PSI ON, 2,150 PSI OFF 40 RPM, 15K TORQUE ON, 12K TORQUE OFF PU 320K, SO 220K, ROT 260K SURVEY EVERY ~90 FT MUD WEIGHT: 9.7+ PPG IN, 9.7+ PPG OUT, 28 VIS PUMPING 30 BBL HI-VIS SWEEP AS NEEDED APPX 8 BBLS / HR FLOW ON CONNECTIONS NO LOSSES ROP DROPPED TO 8' / HR AND DECISION WAS MADE TO TOO H.
01:00	02:30	9,260.00	9,260.00	05	P	DRLIN2	PUMP 2 - 30 BBL HI-VIS SWEEPS AND CIRCULATE HOLE CLEAN. 1 SWEEP HAD AN INCREASE OF 30% IN CUTTINGS AND 2ND SWEEP HAD ONLY MINIMAL FINE CUTTINGS RETURN. SHAKERS CLEAN
02:30	03:00	9,260.00	9,260.00	06	P	DRLIN2	FLOW CHECK - WELL FLOWING @ 7 BBLS / HR. PUMP 50 BBL 13.5 PPG SLUG AND TOO H F/ 9,260' T/ 8,901' AND LET SLUG FALL. SHUT ANNULAR AND BULLHEAD 73 BBLS 13.5 PPG KILL MUD F/ MAX ANNULAR PRESSURE OF 375 PSI T/ 0 PSI + 10 BBLS EXTRA 13.5 PPG KILL MUD @ 9 BPM. OPEN CHOKES AND FLOW CHECK - WELL STATIC. TOTAL KILL MUD BULLHEADED WAS 83 BBLS.
03:00	09:00	9,260.00	9,260.00	06	P	DRLIN2	TOOH F/ 8,901' T/ DIRECTIONAL BHA MAX HOOKLOAD 340 KLBS @ 9,126' PUMPING CALCULATED FILL W/ 9.8 PPG ACTIVE MUD
09:00	10:00	9,260.00	9,260.00	06	P	DRLIN2	DRAINED MOTOR ON BHA #3. MOTOR WAS TIGHT WITH NO SLACK AT BIT BOX OBSERVED. BIT #3 GRADED A 8X8 (MISSING A 1" X 1.75" PEICE OF BLADE) LAID DOWN BIT. PICKED UP NEW MWD TOOL. RE RAN BHA #3 AS FOLLOWS, ALONG WITH NEW BIT. 1- 8.75" XZ616 SMITH WITH 6X16'S TFA OF 1.18 (BIT #4) 1- 6.75" 7/8 6.4 FIXED W/ 1.75 BEND. 8.25" NBS 1- 6.75" DFS 1-8.25" STABILIZER 1- 6.75" UBHO 2- 6.75" NMDC'S 1- 6.75" SHOCK SUB 1- 6.75" FILTER SUB 1- 4.5" XH X 4.5" IF XO 3- STANDS OF 6.5" DRILL COLLARS 1- 4.5" IF BOX X 4.5" XH PIN XO 9- STANDS OF 5" HWDP TOTAL LENGTH=1224.64
10:00	12:00	9,260.00	9,260.00	06	P	DRLIN2	TIH F/ SURFACE TO 5,200'. NO ISSUES DURING THIS SECTION OF TRIP.
12:00	12:30	9,260.00	9,260.00	09	P	DRLIN2	PULLED TRIP NIPPLE, INSTALLED NEW ROTATING HEAD.
12:30	14:00	9,260.00	9,260.00	06	P	DRLIN2	TIH F/ 5,200' T/ 9,180'. NO DISPLACEMENT SEEN DURING TRIP. NO TIGHT SPOTS OR ISSUES WHILE TRIPPING.
14:00	15:30	9,260.00	9,260.00	05	P	DRLIN2	FILLED BACK SIDE WITH 197 BBLS OF 9.8 ACTIVE MUD. (TOP OF FLUID ESTIMATED +/- 3,850'). SHUT WELL IN PUMPED 98 BBLS OF 9.9 ACTIVE MUD. CASING PRESSURE STABILIZED @ 310 PSI. LINED BACK UP ON DRILL STRING AND INDUCED FLOW @ 550 GPM 2400 PSI.
15:30	16:00	9,422.00	9,422.00	03	P	DRLIN2	WASHED AND REAMED F/ 9,180' TO BOTOM @ 9,260'. 575 GPM 40 RPM 2400 PSI. NO ISSUES WASHING AND REAMING, NO TIGHT SPTS OBSERVED. FANNED BOTTOM FOR 5 MINUTES (PRECAUTION DUE TO PEICE OF BLADE MISSING OFF BIT.)
16:00	00:00	9,422.00	10,137.00	02	P	DRLIN2	DRILL 8.75" INT #2 HOLE F/ 9,260' MD T/ 10,137' MD (877' @ 109.6 FPH) 545 GPM, 3000 PSI ON, 2200 PSI OFF 40-55 RPM, 18K TORQUE ON, 10K TORQUE OFF PU 345K, SO 240K, ROT 280K SURVEY EVERY ~90 FT MUD WEIGHT: 9.8+ PPG IN, 9.8+ PPG OUT. FLOWING ON CONNECTIONS 180 BBLS/HR & STAYING AT THAT RATE. ANNULAR PSI IS AROUND 100-125 PSI, WHEN SHUTTING ORBIT VALVE ON CONNECTIONS. DRILLING THROUGH BOTH CHOKES WIDE OPEN DUE TO WATER FLOW @ 180 BPM.

24 HOUR SUMMARY

UNIVERISTY 32 #411H
DFS: 7.39
DOL: 36.00
DRILLS / HSE: N/A
REGULATORY: N/A

SAFETY TOPIC: TRIPPING PROCEDURES, VALVE ALIGNMENT, INSPECTING EQUIPMENT

NPT Daily: 0 HR
NPT Gross: 6.5 HR

CURRENT OPS: DRILLING 8.75" INT #2 @ 10,563'

24 HR SUMMARY: DRILL 8.75" INT #2 HOLE F/ 9,242' MD T/ 9,260' MD. PUMP 2 - 30 BBL HI-VIS SWEEPS AND CIRCULATE HOLE CLEAN. FLOW CHECK - WELL FLOWING @ 7 BBLS / HR. PUMP 50 BBL 13.5 PPG SLUG AND TOO H F/ 9,260' T/ 8,901'. SHUT IN AND BULLHEAD 83 BBLS 13.5 PPG KILL MUD. TOO H F/ 8,901' T/ DIRECTIONAL BHA. C/O BIT AND MWD. TIH F/ SURFACE T/ 9,180'. FILLED BACK SIDE WITH 197 BBLS OF 9.8 ACTIVE MUD. SHUT WELL IN AND INDUCE WELL W/ 98 BBLS OF 9.9 ACTIVE MUD. WASHED AND REAMED F/ 9,180' TO BOTOM @ 9,260' AND FAN BOTTOM FOR 5 MIN. DRILL 8.75" INT #2 HOLE F/ 9,260' MD T/ 10,137' MD.

FOOTAGE LAST 24 HRS: 895'
ROP: 99.4 FPH
ROTATE: 895' 100%
SLIDE: 0' 0%

LAST SURVEY: 10,455', INC: 0.6°, AZM: 348.7°, TVD: 10,398.6', DLS: 0.48°
BIT PROJECTION: 10,515 ', INC: 0.6°, AZM: 348.7°, 2' ABOVE & 5' LEFT

MUD PROPERTIES: MW: 9.75, VIS: 28, pH: 11, Cl: 132,000, LGS: 2.47

LAST LITHOLOGY: @ 10,450' - 55% SHALE, 45% LIMESTONE

FORMATION TOPS:	MD	TVD
BELL CANYON (BASE OF SALT)	5,157'	5,133'
CHERRY CANYON	6,837'	6,352'
BRUSHY CANYON	7,489'	7,442'
BONE SPRING	8,771'	8,715'
AVALON	8,811'	8,755'
1ST BONE SPRING SAND	9,791'	9,735'
2ND BONE SPRING LIME	9,917'	9,861'
2ND BONE SPRING SAND		
3RD BONE SPRING LIME		
3RD BONE SPRING SAND		
WOLFCAMP TOP		
WOLFCAMP A		
WOLFCAMP B		
WOLFCAMP C		
WOLFCAMP D		
WOLFCAMP D HOT		
TOP TARGET		
LANDING POINT		
BASE TARGET		

RIG KB: 25.5'
20" CONDUCTOR SET @ 105'
SURFACE SPUDDED @ 0330HRS 6/12/219
13-3/8" SET AT 494.7'
9-5/8" SET @ 5,220'
7" SET @
KICK-OFF POINT @
LAND CURVE @
TD @
4-1/2" SET @
RIG RELEASE @

BROUGHT IN 360 BBLS OF FRESH WATER FOR FRAC TANKS - TOTAL 960 BBLS
BROUGHT IN 0 BBLS OF CITY WATER FOR CEMENT TANKS - TOTAL 1200 BBLS
BROUGHT IN 260 BBLS OF FRESH WATER FOR RIG TANK - TOTAL 890 BBLS
HAULED TO DISPOSAL 0 BBLS CEMENT AND SPACER - TOTAL 240 BBLS

DAY DSM: LANCE FATHEREE
NIGHT DSM: CHRIS LINDLEY

DAILY COST						
Class	Code	Subcode	Description	Vendor	Daily Cost	Comment
	0652	8810	CASING (INT1)	B&L Pipe	0.00	9 5/8, 40# J-55 Casing \$25.78
	0652	8820	CASING (INT2)	B & L Pipeco Services	0.00	7" 29# VA-XP-P100 CASING \$24.80
	0652	8889	CASING (SURF)	B&L Pipe	0.00	13 3/8, 54.5# J-55 Casing \$35.84
	0652	8739	CASING/LINER (PROD)	B&L Pipe	0.00	4 1/2" 13.5# HCP110 CDC-HTQ \$12.96/ft
	0650	8790	CONTINGENCY	WPX Energy	0.00	8% overage
	0650	8757	DIRECTIONAL EQUIPMENT - SERVICES	MS Energy Services	10,400.00	Directional Daily Cost - (standby rate \$5300) ADJUSTMENTS MADE FOR END OF WELL COSTS
	0650	8758	DRILL FLUIDS & CHEMICALS - MATERIALS	Stellar Drilling Fluids	7,376.76	Mud materials and tax , Treated oil base mud in OBM tank farm
	0650	8989	DRILL FLUIDS & CHEMICALS - SERVICES	Stellar Drilling Fluids	1,003.45	24 hour Service 940.00 PLUS TAX PLUS BLOWER RENTAL \$45.00
	0650	8783	FLUID & CUTTINGS DISPOSAL	Republic Services	1,700.00	NO MORE DAILY RENTAL ALL IN ONE PRICE \$850 PER BIN (BIN SWAP) FROM MARCH
	0650	8823	LIVING FACILITIES & SANITATION	*New Vendor	560.00	BLACK DIAMOND Camps 6 camps plus 1 transformer
	0650	8803	MAN CAMP	WPX Energy	80.00	Shared - Superintendent housing \$80 per day on each rig
	0650	8837	MUD LOGGING	Field Geo Services Inc	1,620.00	Mud Loggers (\$1620 daily)
	0650	8868	RENTAL EQUIPMENT (DOWNHOLE)	Quail Tools LP	0.00	THREE XT39 PUP JTS 5',10',15'
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Pruitt	1,100.00	Pruitt-Rotating head, bowl and orbit valve
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Totco	738.50	EDR
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	105.00	Flare Stack, Flare lines,
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	Premix Tank (B AND B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	600.00	Daily on 5 light plants (B AND B) \$60. ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	50.00	2 PORTA-JOHNS \$25.ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	JST - Johnson Specialty Tools	0.00	DIESEL PW-\$45, OBM CONT-\$140, OBM FRAC \$35 X 6, 6X8 PUMP \$110, MUD VAC \$110, MUD BUCKET \$80, 6X6 PUMP \$85, MANIFOLDS \$20 X 1, WBM FRAC \$35 X 4 (NO MAGNETS)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Black Diamond Oilfield Services	0.00	Camp Generator
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Sun Coast Resources Inc	0.00	Portable Fuel Tank
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	190.00	Daily on communications. \$190.00 / DAY
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	100.00	Daily on trash trailer (GLEZZ) \$25 ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	PRT Rental	200.00	Spacer Spool, 2 SETS OF VBR RAMS BOLTS - (\$200.0 Day)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	RENTAL ON LOADER (B & B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	250.00	H&P RENTED LOADER AND MANLIFT
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Safety Solutions LLC	70.00	Daily cost on H2S Monitoring System (\$70/day) (Safety)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	175.00	Daily rental for 2 chokes \$175/day each
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	350.00	FRAC TANK DAILY COST AND 1 OPEN TOP (ALL AT 25 A DAY)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Thomas Tools	127.00	INLINE SCREEN DAILY RENTAL
	0650	8760	RIG DAYWORK	Helmerich & Payne Inc.	24,923.04	Rig Operation Day Rate \$24,923 / DAY
	0650	8295	RIG MOVING RATE	Helmerich & Payne Inc.	0.00	Rig Mobilization Rate
	0650	8994	SOLIDS CONTROL - SERVICES	Kayden Industries	3,733.33	Solids Control Equipment and onsite Techs charges up to current (\$3,733.33 WBM). #,(\$3100 RIG UP.
	0650	8917	WELLSITE SUPERVISION	WPX Energy	800.00	Shared superintendent/Foreman day rate for Keith Robert, Stan, Mark \$800 per day
	0650	8917	WELLSITE SUPERVISION	Lindley Consulting LLC	1,975.00	Supervision Nights- Chris Lindley
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	0.00	Supervision- Ian Ensell
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	2,000.00	Supervision- Lance Fatheree
	0650	8917	WELLSITE SUPERVISION	Crescent Consulting Llc	0.00	Supervision Nights- Jacob Hinojosa
				Daily Total	60,977.08	
				Cumulative Total	1,299,596.99	

WPX Energy																									
Daily Drilling Report																									
WELL NAME:		UNIVERSITY 32-411H		AFE #:		190635		AFE \$:		3,513,250		LANDING PNT		5,220(usft'		REPORT#:		12		DATE:		7/15/2019			
FIELD:		PHANTOM		SIDETRACK:		00		DAILY COST \$:		60,665		LATERAL SEC:		0.00		DFS:		8.39							
EVENT:		DRILLING		LOCATION:				CUM COST \$:		1,380,519		TD (MD):		11,273.0		LITHOLOGY:									
OBJECTIVE:		DEVELOPMENT		CTY,ST:		WINKLER,TEXAS		DAILY MUD		0		TD (TVD):		11,216.3		FORMATION:				3rd Bone Spring Lime					
ENGINEER:		Justin Barmore		ROT HRS:		16.00		CUM MUD		0		SPUD DATE::		6/12/2019		DIESEL (MUD DIESEL):		0		/		0			
TODAY'S DEPTH:		11,273 (usft)		CUM ROT:		115.50		+/- PLAN:				RR DATE :				DIESEL (RIG FUEL):		2,004		/		19,788			
PREV. DEPTH:		10,137 (usft)						RIG::		H&P 314						SUPERVISOR:				Lance Fatheree					
PROGRESS:		1,136 (usft)		WEATHER:		HIGH OF 96° LOW OF 74°										SUPERVISOR PH. #:				1-405-423-1705					
PRESENT OPERATION:		TIH @ 3,552' W/ CURVE BHA																							
OPERATION FORECAST:		L/D DRILL COLLARS AND C/O DIRECTIONAL BHA. TIH AND BEGIN DRILLING 8.75" CURVE SECTION.																							
CSG / WELL CONTROL				DRLG DATA				DOWNTIME:				BIT RECORD													
LAST CASING:		9.625(in)		ST WT UP		340.0		PRESS		2,200.00		LOSS TIME (hrs):		6.50		BIT #		4		RPM		229			
DEPTH:		5,220(usft)		ST WT DN		240.0		RATE		545.0		LOSS TIME INC:		3.00		SIZE		8-3/4 (")		HHP		206.06			
LAST BOP:		7/8/2019		ST WT ROT		280.0		DP AV				NEAR MISSES:		0.00		TYPE		XZ616		P BIT		432.20			
LOT EMW:				TQ ON BTM		18,000.0		DC AV				24 HR RIG DOWN:		0.00		JETS		6-16							
WEIGHT LB/FT:		40(ppf)		TQ OFF BTM		10,000.0						CUM RIG DOWN		1.50		DEPTH IN		9,260.0							
CONN:		BTC														DEPTH OUT		11,273							
PUMP DATA																									
PUMP #		MANU				LINER		STROKE		PRESSURE		GPM				ROP-last 24 I		109.6							
1		GARDENER-DENVER				6.000		11				0.0				CUM. FT		2,013.0							
2		GARDENER-DENVER				6.000		11		3,000.00		272.4				CUM. HRS		16.00							
3		GARDENER-DENVER				6.000		11		3,000.00		272.4				ROP/Cum-ent		109.6							
SURVEY DATA																									
MD		INCL		AZIM		TVD		N/S(-)		E/W(-)		VS		DLS											
11,213.00		1.80		186.10		11,156.36		-599.32		-638.12		-599.32		0.29											
11,118.00		1.60		179.50		11,061.40		-596.51		-637.98		-596.51		0.97											
11,023.00		1.40		144.40		10,966.43		-594.24		-638.67		-594.24		1.19											
10,929.00		0.30		161.90		10,872.44		-593.07		-639.41		-593.07		2.21											
10,834.00		1.90		291.50		10,777.46		-593.41		-638.02		-593.41		0.26											
MUD ADDITIVES																									
PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT							
MUD DATA																									
Date: 7/15/2019 6:00:00PM		MUD TYPE BRINE		CHECK DEPTH 11,273		FL TEMP 134.00		WATER 91.00 (%)		OIL 0.00 (%)		SAND 0.10 (%)													
GELS (1.0/1.0		Filter Cak 1.0 (32nd")		HTHP 0.0		MW 9.75		VISC 28.00		TEMP 120.00		ECD 10.00													
PV/YP 1.0/3.0		MBT 0.0		pH 11.00 Pm 1.80		Pf 0.25 Mf 0.50		Cl- 138,000		Total Hard 3200		K+ 0													
Lubricant %		ES		WPS		CaCl2		WATER (%)		OIL (%)		HGS 0.00 (%)													
LGS 2.17 (%)		SOLIDS 2.17 (%)																							
COMMENTS																									
MUD GAS DATA																									
CONNECTION MAX				4,995.00				TRIP MAX				BACKGROUND MAX				5,284.00									
CURRENT BHA																									
DESCRIPTION		NUMBER		LENGTH		DRILL ROT		DRILL SLIDE		P/U		S/O		ROT		TORQUE		OD		ID		TOP CON SIZE			
		4		1,224.64		1,136.00				340.00		240.00		280.0		18,000.0									
Heavy Weight Drill Pipe		0		832.22		5" HWDP												5.00		3.00		4.50			
Cross Over		1		3.14		4 1/2" XH Pin x 4 1/2" IF Box												6.13		2.88		4.50			
Drill Collar		2		261.86		4 STDS 6.5" DC												6.44		2.81		4.50			
Cross Over		3		3.87		4 1/2" XH Box x 4 1/2" IF Pin												6.69		2.88		4.50			
Filter		4		7.41		FILTER SUB												6.50		2.81		4.50			
Shock Sub		5		12.67		SHOCK SUB												6.50		2.25		4.50			
Non-Mag Drill Collar		6		29.15		NMDC												6.44		2.81		4.50			
Non-Mag Pony Collar		7		29.17		NMDC												6.56		2.88		4.50			
Universal Bottom Hole Orienter		8		4.87		6 3/4" UBHO (PTSS 1.98)												6.50		2.94		4.50			
Non-Mag Integral Blabe Stabilizer		9		5.82		IBS												6.50		2.50		4.50			
Float Sub		10		3.15		6 3/4" DOUBLE Float Sub												6.69		2.88		4.50			
Bent Housing		11		30.31		Mpact 6 3/4" 7/8 6.4 Stg. Fxd @ 1.75 w/ 8 1/4" Stab												6.69				4.50			
Polycrystalline Diamond Bit		12		1.00		SMITH XZ616 6 x 16's TFA 1.178												8.75				4.50			
BHA HRS 70.50		MTR HRS 70.50																							
JAR HRS		MWD Hrs 70.50																							
OPERATIONS (00:00)																									
OPERATION COMMENT				DRILL 8.75" INT #2 HOLE F/ 10,137' MD T/ 11,273' MD. RIG SERVICE. PUMP 2 HI-VIS SWEEPS AND CIRCULATE HOLE CLEAN. FLOW CHECK - WELL FLOWING @ 12 BBLs / HR. PUMP 50 BBL 13.5 PPG SLUG AND TOOH F/ 11,273' T/ 10,995'. SHUT IN AND BULLHEAD 85 BBLs 13.5 PPG KILL MUD. TOOH F/ 10,995' T/ 389'.																					
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS																		
00:00	06:00	10,137.00	10,610.00	02	P	DRLIN2	DRILL 8.75" INT #2 HOLE F/ 10,137' MD T/ 10,610' MD (473' @ 78.8 FPH) 545 GPM, 3000 PSI ON, 2200 PSI OFF 55 RPM, 18K TORQUE ON, 10K TORQUE OFF PU 345K, SO 240K, ROT 280K SURVEY EVERY ~90 FT MUD WEIGHT: 9.8+ PPG IN, 9.8+ PPG OUT. FLOWING ON CONNECTIONS 0.5 BBL / MIN STAYING ON FLOWLINE DURING CONNECTIONS																		
06:00	16:00	10,610.00	11,273.00	02	P	DRLIN2	DRILL 8.75" INT #2 HOLE F/ 10,610' MD T/ 11,273' MD (1136' @ 113.6 FPH) 545 GPM, 2800 PSI ON, 2200 PSI OFF 55 RPM, 20K TORQUE ON, 10K TORQUE OFF PU 390K, SO 270K, ROT 310K SURVEY EVERY ~90 FT MUD WEIGHT: 9.8+ PPG IN, 9.8+ PPG OUT. FLOWING ON CONNECTIONS 12 BBLs/HR STAYING ON FLOWLINE DURING CONNECTIONS, SHUTTING IN ON ORBIT VALVE																		
16:00	16:30	11,273.00	11,273.00	07	P	DRLIN2	SERVICED RIG, GREASED CROWN AND BLOCKS																		

OPERATIONS (00:00)							
OPERATION COMMENT				DRILL 8.75" INT #2 HOLE F/ 10,137' MD T/ 11,273' MD. RIG SERVICE. PUMP 2 HI-VIS SWEEPS AND CIRCULATE HOLE CLEAN. FLOW CHECK - WELL FLOWING @ 12 BBLS / HR. PUMP 50 BBL 13.5 PPG SLUG AND TOO H F/ 11,273' T/ 10,995'. SHUT IN AND BULLHEAD 85 BBLS 13.5 PPG KILL MUD. TOO H F/ 10,995' T/ 389'.			
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS
16:30	18:00	11,273.00	11,273.00	05	P	DRLIN2	CIRCULATED AROUND TWO 30 BBL HIGH VISC SWEEPS. 70 VISC. WORKED STRING @ 55 RPM, 600 GPM, TRQ 17-18K NO ROTARY UPWARDS, ONLY DOWNWARDS. PU- WEIGHT WITH NO ROTARY- 390K. FIRST SWEEP YEILDED 10% INCREASE IN PEA GRAVEL SIZED CUTTINGS, 2ND SWEEP YEILDED LESS THAN 5% SUPER FINE SILTY CUTTINGS.
18:00	18:30	11,273.00	11,273.00	21	P	DRLIN2	FLOW CHECK - WELL FLOWING @ 12 BBLS / HR. PUMP 50 BBL 13.5 PPG SLUG AND TOO H F/ 11,273' T/ 10,995' WHILE LETTING SLUG FALL. SHUT HYDRIL AND BULLHEADED 75 BBLS OF 13.5 PPG KILL MUD F/ A MAX ANNULAR PRESSURE OF 365 PSI T/ 0 PSI. PUMP 10 BBLS PAST 0 PSI 13.5 PPG KILL MUD @ 9 BPM. OPEN CHOKES AND FLOW CHECK - WELL STATIC. TOTAL KILL MUD BULLHEADED WAS 85 BBLS.
18:30	00:00	11,273.00	11,273.00	06	P	DRLIN2	TOOH F/ 10,995' T/ 389' MAX HOOKLOAD 399 KLBS @ 10,906' FILLING WELL W/ CALCULATED 9.8 PPG ACTIVE FLUID
24 HOUR SUMMARY							
UNIVERISTY 32 #411H DFS: 8.39 DOL: 37.00 DRILLS / HSE: N/A REGULATORY: N/A SAFETY TOPIC: RIGHT TOOL FOR THE JOB, TRIPPING PROCEDURES, PINCH POINTS AND BODY PLACEMENT. NPT Daily: 0 HR NPT Gross: 6.5 HR CURRENT OPS: TIH @ 3,552' W/ CURVE BHA 24 HR SUMMARY: DRILL 8.75" INT #2 HOLE F/ 10,137' MD T/ 11,273' MD. RIG SERVICE. PUMP 2 HI-VIS SWEEPS AND CIRCULATE HOLE CLEAN. FLOW CHECK - WELL FLOWING @ 12 BBLS / HR. PUMP 50 BBL 13.5 PPG SLUG AND TOO H F/ 11,273' T/ 10,995'. SHUT IN AND BULLHEAD 85 BBLS 13.5 PPG KILL MUD. TOO H F/ 10,995' T/ 389'. FOOTAGE LAST 24 HRS: 1,136' ROP: 71 FPH ROTATE: 1,106' 97.4% SLIDE: 30' 2.6% LAST SURVEY: 11,213', INC: 1.8°, AZM: 186.1°, TVD: 11,156.36', DLS: 0.29° BIT PROJECTION: 11,273', INC: 1.8°, AZM: 186.1°, 4' ABOVE & 12' LEFT MUD PROPERTIES: MW: 9.75, VIS: 28, pH: 11, Cl: 138,000, LGS: 2.17 LAST LITHOLOGY: @ 11,250' - 60% SHALE, 40% LIMESTONE FORMATION TOPS: BELL CANYON (BASE OF SALT) 5,157' 5,133' CHERRY CANYON 6,837' 6,352' BRUSHY CANYON 7,489' 7,442' BONE SPRING 8,771' 8,715' AVALON 8,811' 8,755' 1ST BONE SPRING SAND 9,791' 9,735' 2ND BONE SPRING LIME 9,917' 9,861' 2ND BONE SPRING SAND 10,515' 10,459' 3RD BONE SPRING LIME 10,673' 10,616' 3RD BONE SPRING SAND WOLFCAMP TOP WOLFCAMP A WOLFCAMP B WOLFCAMP C WOLFCAMP D WOLFCAMP D HOT TOP TARGET LANDING POINT BASE TARGET RIG KB: 25.5' 20" CONDUCTOR SET @ 105' SURFACE SPUDED @ 0330HRS 6/12/219 13-3/8" SET AT 494.7' 9-5/8" SET @ 5,220' KICK-OFF POINT @ 11,273' 7" SET @ LAND CURVE @ TD @ 4-1/2" SET @ RIG RELEASE @ BROUGHT IN 0 BBLS OF FRESH WATER FOR FRAC TANKS - TOTAL 960 BBLS BROUGHT IN 0 BBLS OF CITY WATER FOR CEMENT TANKS - TOTAL 1200 BBLS BROUGHT IN 0 BBLS OF FRESH WATER FOR RIG TANK - TOTAL 890 BBLS HAULED TO DISPOSAL 0 BBLS CEMENT AND SPACER - TOTAL 240 BBLS DAY DSM: LANCE FATHEREE NIGHT DSM: CHRIS LINDLEY							

DAILY COST						
Class	Code	Subcode	Description	Vendor	Daily Cost	Comment
	0652	8810	CASING (INT1)	B&L Pipe	0.00	9 5/8, 40# J-55 Casing \$25.78
	0652	8820	CASING (INT2)	B & L Pipeco Services	0.00	7" 29# VA-XP-P100 CASING \$24.80
	0652	8889	CASING (SURF)	B&L Pipe	0.00	13 3/8, 54.5# J-55 Casing \$35.84
	0652	8739	CASING/LINER (PROD)	B&L Pipe	0.00	4 1/2" 13.5# HCP110 CDC-HTQ \$12.96/ft
	0650	8790	CONTINGENCY	WPX Energy	4,493.68	8% overage
	0650	8757	DIRECTIONAL EQUIPMENT - SERVICES	MS Energy Services	9,400.00	Directional Daily Cost - (standby rate \$5300) ADJUSTMENTS MADE FOR END OF WELL COSTS
	0650	8758	DRILL FLUIDS & CHEMICALS - MATERIALS	Stellar Drilling Fluids	2,720.73	Mud materials and tax , Treated oil base mud in OBM tank farm
	0650	8989	DRILL FLUIDS & CHEMICALS - SERVICES	Stellar Drilling Fluids	1,003.45	24 hour Service 940.00 PLUS TAX PLUS BLOWER RENTAL \$45.00
	0650	8783	FLUID & CUTTINGS DISPOSAL	Republic Services	2,550.00	NO MORE DAILY RENTAL ALL IN ONE PRICE \$850 PER BIN (BIN SWAP) FROM MARCH
	0650	8823	LIVING FACILITIES & SANITATION	*New Vendor	560.00	BLACK DIAMOND Camps 6 camps plus 1 transformer
	0650	8803	MAN CAMP	WPX Energy	80.00	Shared - Superintendant housing \$80 per day on each rig
	0650	8837	MUD LOGGING	Field Geo Services Inc	1,620.00	Mud Loggers (\$1620 daily)
	0650	8868	RENTAL EQUIPMENT (DOWNHOLE)	Quail Tools LP	0.00	THREE XT39 PUP JTS 5',10',15'
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Safety Solutions LLC	70.00	Daily cost on H2S Monitoring System (\$70/day) (Safety)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Pruitt	1,100.00	Pruitt-Rotating head, bowl and orbit valve
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Thomas Tools	127.00	INLINE SCREEN DAILY RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	RENTAL ON LOADER (B & B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	PRT Rental	200.00	Spacer Spool, 2 SETS OF VBR RAMS BOLTS - (\$200.0 Day)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Totco	738.50	EDR
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	175.00	Daily rental for 2 chokes \$175/day each
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	190.00	Daily on communications. \$190.00 / DAY
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Sun Coast Resources Inc	0.00	Portable Fuel Tank
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Black Diamond Oilfield Services	0.00	Camp Generator
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	105.00	Flare Stack, Flare lines,
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	600.00	Daily on 5 light plants (B AND B) \$60. ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	JST - Johnson Specialty Tools	0.00	DIESEL PW-\$45, OBM CONT-\$140, OBM FRAC \$35 X 6, 6X8 PUMP \$110, MUD VAC \$110, MUD BUCKET \$80, 6X6 PUMP \$85, MANIFOLDS \$20 X 1, WBM FRAC \$35 X 4 (NO MAGNETS)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	Premix Tank (B AND B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	100.00	Daily on trash trailer (GLEZZ) \$25 ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	50.00	2 PORTA-JOHNS \$25.ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	350.00	FRAC TANK DAILY COST AND 1 OPEN TOP (ALL AT 25 A DAY)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	250.00	H&P RENTED LOADER AND MANLIFT
	0650	8760	RIG DAYWORK	Helmerich & Payne Inc.	24,923.04	Rig Operation Day Rate \$24,923 / DAY
	0650	8295	RIG MOVING RATE	Helmerich & Payne Inc.	0.00	Rig Mobilization Rate
	0650	8994	SOLIDS CONTROL - SERVICES	Kayden Industries	3,733.33	Solids Control Equipment and onsite Techs charges up to current (\$3,733.33 WBM). #,(\$3100 RIG UP.
	0650	8917	WELLSITE SUPERVISION	WPX Energy	800.00	Shared superintendant/Foreman day rate for Keith Robert, Stan, Mark \$800 per day
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	2,000.00	Supervision- Lance Fatheree
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	0.00	Supervision- Ian Ensell
	0650	8917	WELLSITE SUPERVISION	Crescent Consulting Llc	0.00	Supervision Nights- Jacob Hinojosa
	0650	8917	WELLSITE SUPERVISION	Lindley Consulting LLC	1,975.00	Supervision Nights- Chris Lindley
				Daily Total	60,664.73	
				Cumulative Total	1,380,519.47	

WPX Energy

Daily Drilling Report

WELL NAME:	UNIVERSITY 32-411H	AFE #:	190635	AFE \$:	3,513,250	LANDING PNT	5,220(usft'	REPORT#:	13	DATE:	7/16/2019				
FIELD:	PHANTOM	SIDETRACK:	00	DAILY COST \$:	93,738	LATERAL SEC:	0.00	DFS:	9.39						
EVENT:	DRILLING	LOCATION:		CUM COST \$:	1,474,258	TD (MD):	11,905.0	LITHOLOGY:							
OBJECTIVE:	DEVELOPMENT	CTY,ST:	WINKLER,TEXAS	DAILY MUD	0	TD (TVD):	11,736.2	FORMATION:		Wolfcamp A					
ENGINEER:	Justin Barmore	ROT HRS:	12.50	CUM MUD	0	SPUD DATE::	6/12/2019	DIESEL (MUD DIESEL):	0	/	0				
TODAY'S DEPTH:	11,905 (usft)	CUM ROT:	128.00	+/- PLAN:		RR DATE :		DIESEL (RIG FUEL):	2,286	/	22,074				
PREV. DEPTH:	11,273 (usft)			RIG::	H&P 314			SUPERVISOR:	Ian Ensell						
PROGRESS:	632 (usft)	WEATHER: HIGH OF 98° LOW OF 75°						SUPERVISOR PH. #:	1-405-423-1705						
PRESENT OPERATION:	TOOH AT 11,738', STRIPPING OUT TO TOP OF CURVE														
OPERATION FORECAST:	CONTINUE DRILLING 8.75" CURVE TO TD. PUMP SWEEPS AND CIRCULATE HOLE CLEAN. TOOH TO TOP OF CURVE. PUMP SLUG AND KILL WELL. L/D DRI														
CSG / WELL CONTROL		DRLG DATA				DOWNTIME:		BIT RECORD							
LAST CASING:	9.625(in)	ST WT UP	380.0	PRESS	2,300.00	LOSS TIME (hrs):	7.00	BIT #	6	RPM	284				
DEPTH:	5,220(usft)	ST WT DN	260.0	RATE	568.0	LOSS TIME INC:	4.00	SIZE	8-3/4 (")	HHP	69.84				
LAST BOP:	7/8/2019	ST WT ROT	292.0	DP AV		NEAR MISSES:	0.00	TYPE	DD406X	P BIT	210.81				
LOT EMW:		TQ ON BTM	22,000.0	DC AV		24 HR RIG DOWN:	0.00	JETS	6-16						
WEIGHT LB/FT:	40(ppf)	TQ OFF BTM	18,000.0			CUM RIG DOWN	1.50	DEPTH IN	11,273.0						
CONN:	BTC							DEPTH OUT							
PUMP DATA								ROP-last 24 I	50.6						
PUMP #	MANU		LINER	STROKE	PRESSURE	GPM	CUM. FT	632.0							
1	GARDENER-DENVER		6.000	11	2,900.00	284.0	CUM. HRS	12.50							
2	GARDENER-DENVER		6.000	11	2,900.00	284.0	ROP/Cum-ent	50.6							
3	GARDENER-DENVER		6.000	11			WOB	15.0-45.0							
SURVEY DATA								DULL CONDITION							
MD	INCL	AZIM	TVD	N/S(-)	E/W(-)	VS	DLS	I	O	D	L	B	R	G	T
11,835.00	51.90	345.00	11,692.96	-352.32	-717.83	-352.32	8.43								-
11,784.00	47.60	345.00	11,660.02	-389.91	-707.75	-389.91	7.13								
11,691.00	41.00	344.10	11,593.50	-452.49	-690.49	-452.49	7.26								
11,596.00	35.30	337.80	11,518.79	-507.94	-671.56	-507.94	10.34								
11,501.00	25.60	340.90	11,436.99	-552.86	-654.43	-552.86	11.39								
MUD ADDITIVES															
PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT	
MUD DATA															
Date: 7/15/2019 6:00:00PM		MUD TYPE BRINE		CHECK DEPTH 11,663		FL TEMP 134.00		WATER 91.00 (%)		OIL 0.00 (%)		SAND 0.10 (%)			
GELS (1.0/1.0		Filter Cak 0.0 (32nd")		HTHP 0.0		MW 9.85		VISC 28.00		TEMP 120.00		ECD 10.11			
PV/YP 1.0/3.0		MBT 0.0		pH 10.00 Pm 0.25		Pf 0.10 Mf 0.20		Cl- 130,000		Total Hard 1200		K+ 0			
Lubricant %		ES		WPS		CaCl2		WATER (%)		OIL (%)		HGS 0.00 (%)			
LGS 2.57 (%)		SOLIDS 2.57 (%)													
COMMENTS															
MUD GAS DATA															
CONNECTION MAX 6,211.00				TRIP MAX				BACKGROUND MAX 7,442.00							
CURRENT BHA															
DESCRIPTION		NUMBER	LENGTH	DRILL ROT	DRILL SLIDE	P/U	S/O	ROT	TORQUE	OD	ID	TOP CON SIZE			
		5	1,884.02	632.00		380.00	260.00	292.0	22,000.0						
Heavy Weight Drill Pipe		0	832.22	5" HWDP							5.00	3.00	4.50		
Drill Pipe		1	948.31	5" DRILL PIPE							5.00	4.28	4.50		
Filter		2	7.41	FILTER SUB							6.50	2.81	4.50		
Non-Mag Drill Collar		3	30.51	NMFC							6.44	2.81	4.50		
Non-Mag Pony Collar		4	29.17	NMDC							6.56	2.88	4.50		
Universal Bottom Hole Orienter		5	4.87	6 3/4" UBHO (PTSS 1.98)							6.50	2.94	4.50		
Float Sub		6	3.15	6 3/4" DOUBLE Float Sub							6.69	2.88	4.50		
Bent Housing		7	27.38	Mpact 6 3/4" 4/5 7.0 Stg. Fxd @ 2.25 SLICK							6.69		4.50		
Polycrystalline Diamond Bit		8	1.00	HUGHES DD406X 6 x 16's TFA 1.178							8.75		4.50		
		4	1,224.64												
Heavy Weight Drill Pipe		0	832.22	5" HWDP							5.00	3.00	4.50		
Cross Over		1	3.14	4 1/2" XH Pin x 4 1/2" IF Box							6.13	2.88	4.50		
Drill Collar		2	261.86	4 STDS 6.5" DC							6.44	2.81	4.50		
Cross Over		3	3.87	4 1/2" XH Box x 4 1/2" IF Pin							6.69	2.88	4.50		
Filter		4	7.41	FILTER SUB							6.50	2.81	4.50		
Shock Sub		5	12.67	SHOCK SUB							6.50	2.25	4.50		
Non-Mag Drill Collar		6	29.15	NMDC							6.44	2.81	4.50		
Non-Mag Pony Collar		7	29.17	NMDC							6.56	2.88	4.50		
Universal Bottom Hole Orienter		8	4.87	6 3/4" UBHO (PTSS 1.98)							6.50	2.94	4.50		
Non-Mag Integral Blabe Stabilizer		9	5.82	IBS							6.50	2.50	4.50		
Float Sub		10	3.15	6 3/4" DOUBLE Float Sub							6.69	2.88	4.50		
Bent Housing		11	30.31	Mpact 6 3/4" 7/8 6.4 Stg. Fxd @ 1.75 w/ 8 1/4" Stab							6.69		4.50		
Polycrystalline Diamond Bit		12	1.00	SMITH XZ616 6 x 16's TFA 1.178							8.75		4.50		
BHA HRS 12.50		MTR HRS 12.50													
JAR HRS		MWD Hrs 12.50													
OPERATIONS (00:00)															
OPERATION COMMENT		L/D 6.5" DRILL COLLARS AND DIRECTIONAL BHA. M/U CURVE BHA AND TEST. TIH F/ BHA T/ 11,200'. FILLED BACK SIDE WITH 158 BBLs OF 9.8 PPG ACTIVE MUD. SHUT WELL IN AND INDUCE W/ 167 BBLs OF 9.8 ACTIVE MUD TO 260 PSI. WASH TO BOTTOM F/ 11,200' T/ 11,273'. DRILL 8.75" CURVE F/ 11,273 T/ 11,832'. WORK STUCK PIPE @ 11,824'. DRILL 8.75" CURVE F/ 11,832' T/ 11,905'													
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS								
00:00	01:00	11,273.00	11,273.00	06	P	DRLIN2	L/D (9) 6.5" DRILL COLLARS F/ 369' T/ DIRECTIONAL BHA								
01:00	02:00	11,273.00	11,273.00	06	P	DRLIN2	L/D 8.75" INT #2 BHA. BIT GRADED 1,1, WT. LAY OUT TOP NMDC, SHOCK SUB, AND IBS.								

Printed: 07/17/2019 5:32:07AM

OPERATIONS (00:00)							
OPERATION COMMENT			L/D 6.5" DRILL COLLARS AND DIRECTIONAL BHA. M/U CURVE BHA AND TEST. TIH F/ BHA T/ 11,200'. FILLED BACK SIDE WITH 158 BBLS OF 9.8 PPG ACTIVE MUD. SHUT WELL IN AND INDUCE W/ 167 BBLS OF 9.8 ACTIVE MUD TO 260 PSI. WASH TO BOTTOM F/ 11,200' T/ 11,273'. DRILL 8.75" CURVE F/ 11,273 T/ 11,832'. WORK STUCK PIPE @ 11,824'. DRILL 8.75" CURVE F/ 11,832' T/ 11,905'				
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS
02:00	03:00	11,273.00	11,273.00	06	P	DRLIN2	M/U 8.75" CURVE BHA AND TEST AS FOLLOWS: 1- 8.75" HUGHES DD406X WITH 6X16'S, TFA 1.18, BIT #5 1- 6.75" 4/5 7.0 FIXED W/ 2.25 BEND SLICK 1- 6.75" DFS 1- 6.75" UBHO 1- 6.75" NMDC 1- 6.75" NMFC 1- 6.75" FILTER SUB 10 STANDS PUSH PIPE 9- STANDS OF 5" HWDP TOTAL LENGTH= 1884.02
03:00	06:30	11,273.00	11,273.00	06	P	DRLIN2	TIH F/ SURFACE TO 4,917'. NO ISSUES DURING THIS SECTION OF TRIP. NO RETURNS WHILE TIH.
06:30	07:00	11,273.00	11,273.00	06	P	DRLIN2	INSTALL ROTATING HEAD
07:00	10:00	11,273.00	11,273.00	06	P	DRLIN2	TIH F/ 4,917' TO 11,200'. NO ISSUES DURING THIS SECTION OF TRIP. FINAL SLACK OFF WEIGHT 250K.
10:00	10:30	11,273.00	11,273.00	05	P	DRLIN2	FILLED BACK SIDE WITH 158 BBLS OF 9.8 ACTIVE MUD. (TOP OF FLUID ESTIMATED +/- 3,080'). SHUT WELL IN PUMPED 167 BBLS OF 9.8 ACTIVE MUD. CASING PRESSURE STABILIZED @ 260 PSI. LINED BACK UP ON DRILL STRING AND INDUCED FLOW @ 550 GPM 2400 PSI. , DECISION MADE TO START BUILDING CURVE AS SOON AS WE SEEN FLOW STABALIZE @ 50%.
10:30	11:00	11,273.00	11,273.00	03	P	DRLIN2	WASHED AND REAMED F/ 11,200' TO BOTOM @ 11,273'. 575 GPM 20 RPM 2400 PSI. NO ISSUES WASHING AND REAMING, NO TIGHT SPTS OBSERVED.
11:00	21:30	11,273.00	11,832.00	02	P	DRLCUR	DRILL 8.75" CURVE F/ 11,273' MD T/ 11,832' MD (559' @ 53.2 FPH) 568 GPM, 2800 PSI ON, 2300 PSI OFF 25 RPM, 22K TORQUE ON, 18K TORQUE OFF PU 380K, SO 260K, ROT 290K SURVEY EVERY ~90 FT MUD WEIGHT: 9.8+ PPG IN, 9.9 PPG OUT.
21:30	22:00	11,832.00	11,832.00	21	NP	DRLCUR	AFTER SLIDING TO KELLY DOWN @ 11,832'. DRILLER PICKED UP STRING TO MAKE A CONNECTION AND PIPE BECAME STUCK @ 11,824'. NO INCREASE IN PRESSURE OR REDUCTION IN RETURNS WERE SEEN. WORK STUCK PIPE UP TO 430 KLBS(50K OVER) W/ 15K FT/LBS OF TORQUE AND INCREASED UP TO 465 KLBS AND 20K FT/LBS TORQUE BEFORE PIPE CAME FREE. REAM BACK TO BOTTOM BEFORE MAKING CONNECTION.
22:00	00:00	11,832.00	11,905.00	02	P	DRLCUR	DRILL 8.75" CURVE F/ 11,832' MD T/ 11,905' MD (73' @ 36.5 FPH) 568 GPM, 2800 PSI ON, 2300 PSI OFF 25 RPM, 22K TORQUE ON, 18K TORQUE OFF PU 380K, SO 260K, ROT 290K SURVEY EVERY ~90 FT MUD WEIGHT: 9.8+ PPG IN, 9.9 PPG OUT.

24 HOUR SUMMARY

UNIVERISTY 32 #411H
DFS: 9.39
DOL: 38.00
DRILLS / HSE: N/A
REGULATORY: N/A

SAFETY TOPIC: BUFFER ZONES, VALVE ALIGNMENT, HEAT AWARENESS

NPT Daily: 0.5 HR WORKING STUCK PIPE
NPT Gross: 7.0 HR

CURRENT OPS: TOO H AT 11,738', STRIPPING OUT TO TOP OF CURVE

24 HR SUMMARY: L/D 6.5" DRILL COLLARS AND DIRECTIONAL BHA. M/U CURVE BHA AND TEST. TIH F/ BHA T/ 11,200'. FILLED BACK SIDE WITH 158 BBLS OF 9.8 PPG ACTIVE MUD. SHUT WELL IN AND INDUCE W/ 167 BBLS OF 9.8 ACTIVE MUD TO 260 PSI. WASH TO BOTTOM F/ 11,200' T/ 11,273'. DRILL 8.75" CURVE F/ 11,273 T/ 11,832'. WORK STUCK PIPE @ 11,824'. DRILL 8.75" CURVE F/ 11,832' T/ 11,905'

FOOTAGE LAST 24 HRS: 632'
ROP: 50.6 FPH
ROTATE: 90' 14.4%
SLIDE: 542' 85.6%

LAST SURVEY: 11,972', INC: 68.1°, AZM: 345.8°, TVD: 11,760.84', DLS: 11.92°
BIT PROJECTION: 11,023', INC: 73.7°, AZM: 345.8°, 39' AHEAD & 14' LEFT, 11.9 MY, 5.1° BRN TO LAND @ 11,825' TVD

MUD PROPERTIES: MW: 9.85, VIS: 28, pH: 10, CI: 130,000, LGS: 2.57

LAST LITHOLOGY: @ 12,026' - 90% SHALE, 10% LIMESTONE

FORMATION TOPS:	MD	TVD
BELL CANYON (BASE OF SALT)	5,157'	5,133'
CHERRY CANYON	6,837'	6,352'
BRUSHY CANYON	7,489'	7,442'
BONE SPRING	8,771'	8,715'
AVALON	8,811'	8,755'
1ST BONE SPRING SAND	9,791'	9,735'
2ND BONE SPRING LIME	9,917'	9,861'
2ND BONE SPRING SAND	10,515'	10,459'
3RD BONE SPRING LIME	10,673'	10,616'
3RD BONE SPRING SAND	11,393'	11,335'
WOLFCAMP TOP	11,762'	11,645'
WOLFCAMP X	11,805'	11,673'
WOLFCAMP Y	11,946'	11,749'
WOLFCAMP A	11,968'	11,759'
TOP TARGET		
LANDING POINT		
BASE TARGET		

RIG KB: 25.5'
20" CONDUCTOR SET @ 105'
SURFACE SPUDDED @ 0330HRS 6/12/219
13-3/8" SET AT 494.7'
9-5/8" SET @ 5,220'
KICK-OFF POINT @ 11,273'
7" SET @
LAND CURVE @
TD @
4-1/2" SET @
RIG RELEASE @

BROUGHT IN 0 BBLS OF FRESH WATER FOR FRAC TANKS - TOTAL 960 BBLS
BROUGHT IN 0 BBLS OF CITY WATER FOR CEMENT TANKS - TOTAL 1200 BBLS
BROUGHT IN 0 BBLS OF FRESH WATER FOR RIG TANK - TOTAL 890 BBLS
HAULED TO DISPOSAL 0 BBLS CEMENT AND SPACER - TOTAL 240 BBLS

DAY DSM: LANCE FATHEREE
NIGHT DSM: CHRIS LINDLEY

DAILY COST						
Class	Code	Subcode	Description	Vendor	Daily Cost	Comment
	0650	8732	BITS	Baker Hughes Oilfield Operations I	10,500.00	8.75" HUGHES DD406X S/N 5272886
	0652	8810	CASING (INT1)	B&L Pipe	0.00	9 5/8, 40# J-55 Casing \$25.78
	0652	8820	CASING (INT2)	B & L Pipeco Services	0.00	7" 29# VA-XP-P100 CASING \$24.80
	0652	8889	CASING (SURF)	B&L Pipe	0.00	13 3/8, 54.5# J-55 Casing \$35.84
	0652	8739	CASING/LINER (PROD)	B&L Pipe	0.00	4 1/2" 13.5# HCP110 CDC-HTQ \$12.96/ft
	0650	8790	CONTINGENCY	WPX Energy	6,943.56	8% overage
	0650	8757	DIRECTIONAL EQUIPMENT - SERVICES	MS Energy Services	9,400.00	Directional Daily Cost - (standby rate \$5300) ADJUSTMENTS MADE FOR END OF WELL COSTS
	0650	8758	DRILL FLUIDS & CHEMICALS - MATERIALS	Stellar Drilling Fluids	4,855.52	Mud materials and tax , Treated oil base mud in OBM tank farm
	0650	8989	DRILL FLUIDS & CHEMICALS - SERVICES	Stellar Drilling Fluids	1,003.45	24 hour Service 940.00 PLUS TAX PLUS BLOWER RENTAL \$45.00
	0650	8166	DYED DIESEL	Sun Coast Resources Inc	18,253.69	7090 GAL RIG DIESEL @ \$2.5738 / GAL #6019542
	0650	8783	FLUID & CUTTINGS DISPOSAL	Republic Services	1,700.00	NO MORE DAILY RENTAL ALL IN ONE PRICE \$850 PER BIN (BIN SWAP) FROM MARCH
	0650	8823	LIVING FACILITIES & SANITATION	*New Vendor	560.00	BLACK DIAMOND Camps 6 camps plus 1 transformer
	0650	8803	MAN CAMP	WPX Energy	80.00	Shared - Superintendant housing \$80 per day on each rig
	0650	8837	MUD LOGGING	Field Geo Services Inc	1,620.00	Mud Loggers (\$1620 daily)
	0650	8868	RENTAL EQUIPMENT (DOWNHOLE)	Quail Tools LP	0.00	THREE XT39 PUP JTS 5',10',15'
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	350.00	FRAC TANK DAILY COST AND 1 OPEN TOP (ALL AT 25 A DAY)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	50.00	2 PORTA-JOHNS \$25.ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	600.00	Daily on 5 light plants (B AND B) \$60.ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	RENTAL ON LOADER (B & B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Pruitt	1,100.00	Pruitt-Rotating head , bowl and orbit valve
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	325.00	Daily rental for choke and flare line package \$325/day each
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	100.00	Daily on trash trailer (GLEZZ) \$25 ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Totco	738.50	EDR
	0650	8869	RENTAL EQUIPMENT (SURFACE)	PRT Rental	200.00	Spacer Spool, 2 SETS OF VBR RAMS BOLTS - (\$200.0 Day)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Thomas Tools	127.00	INLINE SCREEN DAILY RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	JST - Johnson Specialty Tools	0.00	DIESEL PW-\$45, OBM CONT-\$140, OBM FRAC \$35 X 6, 6X8 PUMP \$110, MUD VAC \$110, MUD BUCKET \$80, 6X6 PUMP \$85, MANIFOLDS \$20 X 1, WBM FRAC \$35 X 4 (NO MAGNETS)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Sun Coast Resources Inc	0.00	Portable Fuel Tank
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	190.00	Daily on communications. \$190.00 / DAY
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	Premix Tank (B AND B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Safety Solutions LLC	70.00	Daily cost on H2S Monitoring System (\$70/day) (Safety)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	250.00	H&P RENTED LOADER AND MANLIFT
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Black Diamond Oilfield Services	0.00	Camp Generator
	0650	8760	RIG DAYWORK	Helmerich & Payne Inc.	24,923.04	Rig Operation Day Rate \$24,923 / DAY
	0650	8295	RIG MOVING RATE	Helmerich & Payne Inc.	0.00	Rig Mobilization Rate
	0650	8994	SOLIDS CONTROL - SERVICES	Kayden Industries	3,733.33	Solids Control Equipment and onsite Techs charges up to current (\$3,733.33 WBM). #,(\$3100 RIG UP.
	0650	8742	TRUCKING	Major League Trucking	540.00	HAUL OUT SUBS #12268A
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	2,000.00	Supervision- Ian Ensell
	0650	8917	WELLSITE SUPERVISION	Crescent Consulting Llc	0.00	Supervision Nights- Jacob Hinojosa
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	0.00	Supervision- Lance Fatheree
	0650	8917	WELLSITE SUPERVISION	WPX Energy	800.00	Shared superintendant/Foreman day rate for Keith Robert, Stan, Mark \$800 per day
	0650	8917	WELLSITE SUPERVISION	Lindley Consulting LLC	1,975.00	Supervision Nights- Chris Lindley
				Daily Total	93,738.09	
				Cumulative Total	1,474,257.56	
NPT SUMMARY						
Start date/time		End date/time	Title	Description		Duration (hr)
7/16/2019 9:30:00PM		7/16/2019 10:00:00PM	WORK STUCK PIPE	AFTER SLIDING TO KELLY DOWN @ 11,832'. DRILLER PICKED UP STRING TO MAKE A CONNECTION AND PIPE BECAME STUCK @ 11,824'. NO INCREASE IN PRESSURE OR REDUCTION IN RETURNS WERE SEEN. WORK STUCK PIPE UP TO 430 KLBS(50K OVER) W/ 15K FT/LBS OF TORQUE AND INCREASED UP TO 465 KLBS AND 20K FT/LBS TORQUE BEFORE PIPE CAME FREE. REAM BACK TO BOTTOM BEFORE MAKING CONNECTION.		0.50

WPX Energy

Daily Drilling Report

WELL NAME:

UNIVERSITY 32-411H

AFE #:

190635

AFE \$:

3,513,250

LANDING PNT

5,220(usft'

REPORT#:

14

DATE:

7/17/2019

FIELD:

PHANTOM

SIDETRACK:

00

DAILY COST \$:

94,209

LATERAL SEC:

0.00

DFS:

10.39

EVENT:

DRILLING

LOCATION:

CUM COST \$:

1,534,543

TD (MD):

12,026.0

LITHOLOGY:

OBJECTIVE:

DEVELOPMENT

CTY,ST:

WINKLER,TEXAS

DAILY MUD

0

TD (TVD):

11,781.0

FORMATION:

Wolfcamp A

ENGINEER:

Justin Barmore

ROT HRS:

2.00

CUM MUD

0

SPUD DATE::

6/12/2019

DIESEL (MUD DIESEL):

224 / 224

TODAY'S DEPTH:

12,026 (usft)

CUM ROT:

130.00

+/- PLAN:

RR DATE :

DIESEL (RIG FUEL):

7,041 / 29,115

PREV. DEPTH:

11,905 (usft)

RIG::

H&P 314

SUPERVISOR:

Ian Ensell

PROGRESS:

121 (usft)

WEATHER:

HIGH OF 98° LOW OF 76°

SUPERVISOR PH. #:

1-405-423-1705

PRESENT OPERATION:

INSTALLING ROTATING HEAD BOWL ON STACK.

OPERATION FORECAST:

PRESSURE TEST ANNULAR ELEMENT. C/O ANNULAR ELEMENT AND R/U WEATHERFORD ROTATING HEAD AND ORBIT VALVE. PRESSURE TEST ANNULA

CSG / WELL CONTROL

LAST CASING:

9.625(in)

DEPTH:

5,220(usft)

LAST BOP:

7/8/2019

LOT EMW:

WEIGHT LB/FT:

40(ppf)

CONN:

BTC

DRLG DATA

ST WT UP

380.0

PRESS

2,300.00

ST WT DN

260.0

RATE

568.0

ST WT ROT

292.0

DP AV

DC AV

TQ ON BTM

22,000.0

DC AV

TQ OFF BTM

18,000.0

DOWNTIME:

LOSS TIME (hrs):

10.50

LOSS TIME INC:

6.00

NEAR MISSES:

0.00

24 HR RIG DOWN:

0.00

CUM RIG DOWN

1.50

BIT RECORD

BIT #

6

RPM

284

SIZE

8-3/4 (")

HHP

68.06

TYPE

DD406X

P BIT

205.46

JETS

6-16

DEPTH IN

11,273.0

DEPTH OUT

12,026

ROP-last 24 I

60.5

CUM. FT

753.0

CUM. HRS

14.50

ROP/Cum-ent

60.5

WOB

40.0-45.0

PUMP DATA

PUMP #

MANU

LINER

STROKE

PRESSURE

GPM

1

GARDENER-DENVER

6.000

11

2

GARDENER-DENVER

6.000

11

3

GARDENER-DENVER

6.000

11

SURVEY DATA

MD

INCL

AZIM

TVD

N/S(-)

E/W(-)

VS

DLS

11,972.00

68.10

345.80

11,760.84

-237.32

-746.72

-237.32

11.92

11,878.00

56.90

345.90

11,717.50

-318.04

-726.37

-318.04

9.92

11,784.00

47.60

345.00

11,660.02

-389.91

-707.75

-389.91

7.13

11,691.00

41.00

344.10

11,593.50

-452.49

-690.49

-452.49

7.26

11,596.00

35.30

337.80

11,518.79

-507.94

-671.56

-507.94

10.34

DULL CONDITION

I

O

D

L

B

R

G

T

1

3

BT

S

X

TD

I

1-3

MUD ADDITIVES

PRODUCT

AMOUNT

PRODUCT

AMOUNT

PRODUCT

AMOUNT

PRODUCT

AMOUNT

MUD DATA

Date: 7/17/2019 6:00:00PM

MUD TYPE BRINE

CHECK DEPTH 12,026

FL TEMP 115.00

WATER 91.00 (%)

OIL 0.00 (%)

SAND 0.10 (%)

GELS (1.0/1.0

Filter Cak 1.0 (32nd")

HTHP 0.0

MW 9.60

VISC 28.00

TEMP 120.00

ECD

PV/YP 1.0/3.0

MBT 0.0

pH 10.50

Pm 0.25

Pf 0.10

Mf 0.25

Cl- 128,000

Total Hard 2000

K+ 0

Lubricant %

ES

WPS

CaCl2

WATER (%)

OIL (%)

HGS 0.00 (%)

LGS 2.66 (%)

SOLIDS 2.66 (%)

COMMENTS

MUD GAS DATA

CONNECTION MAX

TRIP MAX

BACKGROUND MAX

CURRENT BHA

DESCRIPTION

NUMBER

LENGTH

DRILL ROT

DRILL SLIDE

P/U

S/O

ROT

TORQUE

OD

ID

TOP CON SIZE

5

1,884.02

121.00

380.00

260.00

292.0

22,000.0

Heavy Weight Drill Pipe

0

832.22

5" HWDP

5.00

3.00

4.50

Drill Pipe

1

948.31

5" DRILL PIPE

5.00

4.28

4.50

Filter

2

7.41

FILTER SUB

6.50

2.81

4.50

Non-Mag Drill Collar

3

30.51

NMFC

6.44

2.81

4.50

Non-Mag Pony Collar

4

29.17

NMDC

6.56

2.88

4.50

Universal Bottom Hole Orienter

5

4.87

6 3/4" UBHO (PTSS 1.98)

6.50

2.94

4.50

Float Sub

6

3.15

6 3/4" DOUBLE Float Sub

6.69

2.88

4.50

Bent Housing

7

27.38

Mpact 6 3/4" 4/5 7.0 Stg. Fxd @ 2.25 SLICK

6.69

4.50

Polycrystalline Diamond Bit

8

1.00

HUGHES DD406X 6 x 16's TFA 1.178

8.75

4.50

BHA HRS 14.50

MTR HRS 14.50

JAR HRS

MWD Hrs 14.50

OPERATIONS (00:00)

OPERATION COMMENT

DRILL 8.75" CURVE F/ 11,905' MD T/ 12,026' MD. PUMP (2) HI-VIS SWEEPS AND CIRCULATE HOLE CLEAN. C/O ROTATING HEAD. TOOH F/ 12,026' T/ 11,456'. PUMP 55 BBL 13.5 PPG SLUG AND TOOH F/ 11,456' T/ 11,171'. BULLHEAD 96 BBLS OF 13.5 PPG KILL MUD. L/D 5" DRILL PIPE F/ 11,171' T/ 1,882'. TIH W/ 5" DRILL PIPE IN DERRICK F/ 1,882' T/ 2,835'. L/D 5" DRILL PIPE F/ 2,835' T/ 103'. L/D CURVE BHA. REMOVE RUBBER F/ STACK AND EVALUATE ANNULAR ELEMENT.

FROM

TO

MD from

MD to

CODE

CLASS

PHASE

OPERATIONS

00:00

02:00

11,905.00

12,026.00

02

P

DRLCUR

DRILL 8.75" CURVE F/ 11,905' MD T/ 12,026' MD (121' @ 60.5 FPH) 568 GPM, 2800 PSI ON, 2300 PSI OFF
25 RPM, 22K TORQUE ON, 18K TORQUE OFF
PU 390K, SO 260K, ROT 295K
SURVEY EVERY ~90 FT
MUD WEIGHT: 9.8+ PPG IN, 9.9 PPG OUT.

02:00

04:00

12,026.00

12,026.00

05

P

F_INT2

PUMP (2) HI-VIS SWEEPS AND CIRCULATE HOLE CLEAN. 1ST SWEEP RETURNED 30% INCREASE IN CUTTINGS W/ SOME LARGER DIME TO NICKEL SIZED CUTTINGS. 2ND SWEEP RETURNED 10% INCREASE IN CUTTINGS. FLOW CHECK - WELL FLOWING 45 BBLS / HR

04:00

04:30

12,026.00

12,026.00

21

NP

F_INT2

AFTER SHUTTING ORBIT VALVE ROTATING HEAD LEAKING. SHUT ANNULAR AND C/O ROTATING HEAD.

04:30

05:30

12,026.00

12,026.00

06

P

F_INT2

TOOH F/ 12,026' T/ 11,456'
STRIPING AGAINST ROTATING HEAD WHILE PUMPING CALCULATED ACTIVE FLUID.
MAX ANNULAR PRESSURE 102 PSI.
TIGHT SPOT @ 11,840' PULLED TO 465 KLBS BEFORE COMING THROUGH. WIPED BACK THROUGH MULTIPLE TIMES.

05:30

06:00

12,026.00

12,026.00

21

P

F_INT2

PUMP 55 BBL 13.5 PPG SLUG AND TOOH F/ 11,456' T/ 11,171' WHILE LETTING SLUG FALL. SHUT HYDRIL AND BULLHEADED 96 BBLS OF 13.5 PPG KILL MUD F/ A MAX ANNULAR PRESSURE OF 390 PSI T/ 0 PSI @ 9 BPM. OPEN CHOKES AND FLOW CHECK - NO FLOW.
TOTAL KILL MUD BULLHEADED WAS 96 BBLS.

06:00

20:00

12,026.00

12,026.00

06

P

F_INT2

L/D 5" DRILL PIPE F/ 11,171' T/ 1,882
TIH W/ 5" DRILL PIPE IN DERRICK F/ 1,882' T/ 2,835'
L/D 5" DRILL PIPE F/ 2,835' T/ 103' (DIRECTIONAL BHA)
FILLING HOLE W/ CALCULATED ACTIVE FLUID.

20:00

21:00

12,026.00

12,026.00

06

P

F_INT2

L/D CURVE BHA. DRAIN MOTOR AND BREAK OFF BIT. BIT GRADED 1,3, BT

Printed: 07/18/2019 5:38:08AM

OPERATIONS (00:00)																																																				
OPERATION COMMENT			DRILL 8.75" CURVE F/ 11,905' MD T/ 12,026' MD. PUMP (2) HI-VIS SWEEPS AND CIRCULATE HOLE CLEAN. C/O ROTATING HEAD. TOOH F/ 12,026' T/ 11,456'. PUMP 55 BBL 13.5 PPG SLUG AND TOOH F/ 11,456' T/ 11,171'. BULLHEAD 96 BBLS OF 13.5 PPG KILL MUD. L/D 5" DRILL PIPE F/ 11,171' T/ 1,882'. TIH W/ 5" DRILL PIPE IN DERRICK F/ 1,882' T/ 2,835'. L/D 5" DRILL PIPE F/ 2,835' T/ 103'. L/D CURVE BHA. REMOVE RUBBER F/ STACK AND EVALUATE ANNULAR ELEMENT.																																																	
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS																																													
21:00	00:00	12,026.00	12,026.00	22	NP	F_INT2	AFTER M/U CACTUS WEAR BUSHING PULLER, BLIND RAMS WERE OPENED. PRIOR TO RUNNING PULLER IN THE HOLE, A PIECE OF APPX 12" X 10" RUBBER WAS FOUND INSIDE STACK SITTING ON TOP OF WEAR BUSHING. ALSO ANNULAR ELEMENT WAS PROTRUDING OUT INTO STACK. MULTIPLE ATTEMPTS WERE MADE TO RETRIEVE RUBBER AND EVENTUALLY THE WEAR BUSHING WAS PULLED AND RUBBER CAME OUT INSIDE WEAR BUSHING. RUBBER WAS A BROKEN PIECE OF A WIPER RUBBER. M/U TEST PLUG ON 5" DP AND LOWER THROUGH STACK. FUNCTION ANNULAR PREVENTER ON DRILL PIPE AND VISUALLY INSPECT ELEMENT. ELEMENT VISUALLY LOOKED OK. SET TEST PLUG AND LINE UP VALVES TO PRESSURE TEST ANNULAR PREVENTER.																																													
24 HOUR SUMMARY																																																				
UNIVERISTY 32 #411H DFS: 10.39 DOL: 39.00 DRILLS / HSE: N/A REGULATORY: NOTIFIED TRRC OF 7" CASING AND CEMENT SAFETY TOPIC: PINCH POINTS, HOUSE KEEPING, BEING FIT FOR DUTY NPT Daily: 3.5 HR WORKING STUCK PIPE NPT Gross: 10.5 HR CURRENT OPS: INSTALLING ROTATING HEAD BOWL ON STACK. 24 HR SUMMARY: DRILL 8.75" CURVE F/ 11,905' MD T/ 12,026' MD. PUMP (2) HI-VIS SWEEPS AND CIRCULATE HOLE CLEAN. C/O ROTATING HEAD. TOOH F/ 12,026' T/ 11,456'. PUMP 55 BBL 13.5 PPG SLUG AND TOOH F/ 11,456' T/ 11,171'. BULLHEAD 96 BBLS OF 13.5 PPG KILL MUD. L/D 5" DRILL PIPE F/ 11,171' T/ 1,882'. TIH W/ 5" DRILL PIPE IN DERRICK F/ 1,882' T/ 2,835'. L/D 5" DRILL PIPE F/ 2,835' T/ 103'. L/D CURVE BHA. REMOVE RUBBER F/ STACK AND EVALUATE ANNULAR ELEMENT. FOOTAGE LAST 24 HRS: 121' ROP: 60.5 FPH ROTATE: 3' 2.5% SLIDE: 118' 97.5% LAST SURVEY: 11,972', INC: 68.1°, AZM: 345.8°, TVD: 11,760.84', DLS: 11.92° BIT PROJECTION: 11,023', INC: 73.7°, AZM: 345.8°, 39' AHEAD & 14' LEFT, 11.9 MY, 5.1° BRN TO LAND @ 11,825' TVD MUD PROPERTIES: MW: 9.6, VIS: 28, pH: 10.5, CI: 128,000, LGS: 2.66 LAST LITHOLOGY: @ 12,026' - 90% SHALE, 10% LIMESTONE FORMATION TOPS: <table><tr><td></td><td>MD</td><td>TVD</td></tr><tr><td>BELL CANYON (BASE OF SALT)</td><td>5,157'</td><td>5,133'</td></tr><tr><td>CHERRY CANYON</td><td>6,837'</td><td>6,352'</td></tr><tr><td>BRUSHY CANYON</td><td>7,489'</td><td>7,442'</td></tr><tr><td>BONE SPRING</td><td>8,771'</td><td>8,715'</td></tr><tr><td>AVALON</td><td>8,811'</td><td>8,755'</td></tr><tr><td>1ST BONE SPRING SAND</td><td>9,791'</td><td>9,735'</td></tr><tr><td>2ND BONE SPRING LIME</td><td>9,917'</td><td>9,861'</td></tr><tr><td>2ND BONE SPRING SAND</td><td>10,515'</td><td>10,459'</td></tr><tr><td>3RD BONE SPRING LIME</td><td>10,673'</td><td>10,616'</td></tr><tr><td>3RD BONE SPRING SAND</td><td>11,393'</td><td>11,335'</td></tr><tr><td>WOLFCAMP TOP</td><td>11,762'</td><td>11,645'</td></tr><tr><td>WOLFCAMP X</td><td>11,805'</td><td>11,673'</td></tr><tr><td>WOLFCAMP Y</td><td>11,946'</td><td>11,752'</td></tr><tr><td>WOLFCAMP A</td><td>11,968'</td><td>11,762'</td></tr></table> TOP TARGET LANDING POINT BASE TARGET RIG KB: 25.5' 20" CONDUCTOR SET @ 105' SURFACE SPUDDDED @ 0330HRS 6/12/2019 13-3/8" SET AT 494.7' 9-5/8" SET @ 5,220' KICK-OFF POINT @ 11,273' 7" SET @ LAND CURVE @ TD @ 4-1/2" SET @ RIG RELEASE @ BROUGHT IN 0 BBLS OF FRESH WATER FOR FRAC TANKS - TOTAL 960 BBLS BROUGHT IN 0 BBLS OF CITY WATER FOR CEMENT TANKS - TOTAL 1200 BBLS BROUGHT IN 240 BBLS OF FRESH WATER FOR RIG TANK - TOTAL 1130 BBLS HAULED TO DISPOSAL 0 BBLS CEMENT AND SPACER - TOTAL 240 BBLS DAY DSM: IAN ENSELL NIGHT DSM: CHRIS LINDLEY									MD	TVD	BELL CANYON (BASE OF SALT)	5,157'	5,133'	CHERRY CANYON	6,837'	6,352'	BRUSHY CANYON	7,489'	7,442'	BONE SPRING	8,771'	8,715'	AVALON	8,811'	8,755'	1ST BONE SPRING SAND	9,791'	9,735'	2ND BONE SPRING LIME	9,917'	9,861'	2ND BONE SPRING SAND	10,515'	10,459'	3RD BONE SPRING LIME	10,673'	10,616'	3RD BONE SPRING SAND	11,393'	11,335'	WOLFCAMP TOP	11,762'	11,645'	WOLFCAMP X	11,805'	11,673'	WOLFCAMP Y	11,946'	11,752'	WOLFCAMP A	11,968'	11,762'
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DAILY COST						
Class	Code	Subcode	Description	Vendor	Daily Cost	Comment
	0652	8810	CASING (INT1)	B&L Pipe	0.00	9 5/8, 40# J-55 Casing \$25.78
	0652	8820	CASING (INT2)	B & L Pipeco Services	0.00	7" 29# VA-XP-P100 CASING \$24.80
	0652	8889	CASING (SURF)	B&L Pipe	0.00	13 3/8, 54.5# J-55 Casing \$35.84
	0652	8739	CASING/LINER (PROD)	B&L Pipe	0.00	4 1/2" 13.5# HCP110 CDC-HTQ \$12.96/ft
	0650	8790	CONTINGENCY	WPX Energy	6,978.43	8% overage
	0650	8757	DIRECTIONAL EQUIPMENT - SERVICES	MS Energy Services	9,400.00	Directional Daily Cost - (standby rate \$5300) ADJUSTMENTS MADE FOR END OF WELL COSTS HAUL DIRECTIONAL TOOLS #12004A
	0650	8757	DIRECTIONAL EQUIPMENT - SERVICES	Major League Trucking	2,902.00	
	0650	8758	DRILL FLUIDS & CHEMICALS - MATERIALS	Stellar Drilling Fluids	1,595.65	
	0650	8989	DRILL FLUIDS & CHEMICALS - SERVICES	Stellar Drilling Fluids	1,003.45	Mud materials and tax , Treated oil base mud in OBM tank farm
	0650	8783	FLUID & CUTTINGS DISPOSAL	Glezz Trucking	2,424.00	24 hour Service 940.00 PLUS TAX PLUS BLOWER RENTAL \$45.00
	0650	8783	FLUID & CUTTINGS DISPOSAL	Republic Services	1,700.00	HAUL MUD TO DISPOSAL AND WASHOUT #G20138
	0650	8911	FLUID HAULING	Glezz Trucking	25,133.00	NO MORE DAILY RENTAL ALL IN ONE PRICE \$850 PER BIN (BIN SWAP) FROM MARCH
	0650	8823	LIVING FACILITIES & SANITATION	*New Vendor	560.00	FLUID HAULING #S G20136, G20137
	0650	8803	MAN CAMP	WPX Energy	80.00	BLACK DIAMOND Camps 6 camps plus 1 transformer
	0650	8837	MUD LOGGING	Field Geo Services Inc	1,620.00	Shared - Superintendant housing \$80 per day on each rig
	0650	8868	RENTAL EQUIPMENT (DOWNHOLE)	Workstring International	1,800.41	Mud Loggers (\$1620 daily)
	0650	8868	RENTAL EQUIPMENT (DOWNHOLE)	Quail Tools LP	0.00	RENTAL ON 48 JTS 5" DRILL PIPE #61746LTX
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Black Diamond Oilfield Services	0.00	THREE XT39 PUP JTS 5',10',15'
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Pruitt	1,100.00	Camp Generator
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	350.00	Pruitt-Rotating head, bowl and orbit valve
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	250.00	FRAC TANK DAILY COST AND 1 OPEN TOP (ALL AT 25 A DAY)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	100.00	H&P RENTED LOADER AND MANLIFT
	0650	8869	RENTAL EQUIPMENT (SURFACE)	PRT Rental	200.00	Daily on trash trailer (GLEZZ) \$25 ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Safety Solutions LLC	70.00	Spacer Spool, 2 SETS OF VBR RAMS BOLTS - (\$200.0 Day)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Thomas Tools	127.00	Daily cost on H2S Monitoring System (\$70/day) (Safety)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Totco	738.50	(Safety) INLINE SCREEN DAILY RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	190.00	EDR
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	600.00	Daily on communications. \$190.00 / DAY
	0650	8869	RENTAL EQUIPMENT (SURFACE)	JST - Johnson Specialty Tools	0.00	Daily on 5 light plants (B AND B) \$60. ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	50.00	DIESEL PW-\$45, OBM CONT-\$140, OBM FRAC \$35 X 6, 6X8 PUMP \$110, MUD VAC \$110, MUD BUCKET \$80, 6X6 PUMP \$85, MANIFOLDS \$20 X 1, WBM FRAC \$35 X 4 (NO MAGNETS)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	325.00	2 PORTA-JOHNS \$25.ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	Daily rental for choke and flare line package \$325/day each
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	Premix Tank (B AND B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Sun Coast Resources Inc	0.00	RENTAL ON LOADER (B & B)
	0650	8760	RIG DAYWORK	Helmerich & Payne Inc.	24,923.04	Portable Fuel Tank
	0650	8295	RIG MOVING RATE	Helmerich & Payne Inc.	0.00	Rig Operation Day Rate \$24,923 / DAY
	0650	8994	SOLIDS CONTROL - SERVICES	Kayden Industries	3,733.33	Rig Mobilization Rate
	0650	8742	TRUCKING	Major League Trucking	730.00	Solids Control Equipment and onsite Techs charges up to current (\$3,733.33 WBM). #,(\$3100 RIG UP.
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	0.00	HAUL DIRECTIONAL TOOLS #12045A
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	2,000.00	Supervision- Lance Fatheree
	0650	8917	WELLSITE SUPERVISION	Lindley Consulting LLC	1,975.00	Supervision- Ian Ensell
	0650	8917	WELLSITE SUPERVISION	Crescent Consulting Llc	0.00	Supervision Nights- Chris Lindley
	0650	8917	WELLSITE SUPERVISION	WPX Energy	800.00	Supervision Nights- Jacob Hinojosa
						Shared superintendant/Foreman day rate for Keith Robert, Stan, Mark \$800 per day
				Daily Total	94,208.81	
				Cumulative Total	1,534,542.91	
NPT SUMMARY						
Start date/time		End date/time	Title	Description		Duration (hr)
7/17/2019 9:00:00PM			RETRIEVE RUBBER FROM STACK AND TROUBLESHOOT / CHANGE OUT ANNULAR ELEMENT.	AFTER M/U CACTUS WEAR BUSHING PULLER, BLIND RAMS WERE OPENED. PRIOR TO RUNNING PULLER IN THE HOLE, A PIECE OF APPX 12" X 10" RUBBER WAS FOUND INSIDE STACK SITTING ON TOP OF WEAR BUSHING. ALSO ANNULAR ELEMENT WAS PROTRUDING OUT INTO STACK. MULTIPLE ATTEMPTS WERE MADE TO RETRIEVE RUBBER AND EVENTUALLY THE WEAR BUSHING WAS PULLED AND RUBBER CAME OUT INSIDE WEAR BUSHING. RUBBER WAS A BROKEN PIECE OF A WIPER RUBBER. M/U TEST PLUG ON 5" DP AND LOWER THROUGH STACK. FUNCTION ANNULAR PREVENTER ON DRILL PIPE AND VISUALLY INSPECT ELEMENT. ELEMENT VISUALLY LOOKED OK. SET TEST PLUG AND LINE UP VALVES TO PRESSURE TEST ANNULAR PREVENTER.		3.00
7/17/2019 4:00:00AM		7/17/2019 4:30:00AM	C/O ROTATING HEAD	AFTER SHUTTING ORBIT VALVE ROTATING HEAD LEAKING. SHUT ANNULAR AND C/O ROTATING HEAD.		0.50

WPX Energy																						
Daily Drilling Report																						
WELL NAME:	UNIVERSITY 32-411H			AFE #:	190635		AFE \$:	3,513,250		LANDING PNT	5,220(usft'		REPORT#:	15	DATE:	7/18/2019						
FIELD:	PHANTOM			SIDETRACK:	00		DAILY COST \$:	72,566		LATERAL SEC:	0.00		DFS:	11.39								
EVENT:	DRILLING			LOCATION:			CUM COST \$:	1,607,109		TD (MD):	12,026.0		LITHOLOGY:									
OBJECTIVE:	DEVELOPMENT			CTY,ST:	WINKLER,TEXAS		DAILY MUD	0		TD (TVD):	11,781.0		FORMATION:		Wolfcamp A							
ENGINEER:	Justin Barmore			ROT HRS:	0.00		CUM MUD	0		SPUD DATE::	6/12/2019		DIESEL (MUD DIESEL):		0 / 224							
TODAY'S DEPTH:		12,026 (usft)		CUM ROT:	130.00		+/- PLAN:			RR DATE :			DIESEL (RIG FUEL):		873 / 23,918							
PREV. DEPTH:		12,026 (usft)					RIG::		H&P 314			SUPERVISOR:		Ian Ensell								
PROGRESS:		(usft)		WEATHER:								SUPERVISOR PH. #:		1-405-423-1705								
PRESENT OPERATION:		FINISHING UP CEMENTING 7" CASING																				
OPERATION FORECAST:		CONTINUE RUNNING 7" CASING AND LAND. INDUCE FLOW AND CIRCULATE PRIOR TO CEMENT JOB. PERFORM CEMENT JOB. SET PACKOFF AND C/O FI																				
CSG / WELL CONTROL			DRLG DATA				DOWNTIME:				BIT RECORD											
LAST CASING:		9.625(in)		ST WT UP		PRESS		LOSS TIME (hrs):		20.00		BIT #		RPM								
DEPTH:		5,220(usft)		ST WT DN		RATE		LOSS TIME INC:		6.00		SIZE		HHP								
LAST BOP:		7/8/2019		ST WT ROT		DP AV		NEAR MISSES:		0.00		TYPE		P BIT								
LOT EMW:				TQ ON BTM		DC AV		24 HR RIG DOWN:		0.00		JETS		-								
WEIGHT LB/FT:		40(ppf)		TQ OFF BTM				CUM RIG DOWN		1.50		DEPTH IN										
CONN:		BTC										DEPTH OUT										
PUMP DATA																						
PUMP #		MANU			LINER		STROKE		PRESSURE		GPM		CUM. FT									
1		GARDENER-DENVER			6.000		11						CUM. HRS									
2		GARDENER-DENVER			6.000		11						ROP/Cum-ent									
3		GARDENER-DENVER			6.000		11						WOB		-							
SURVEY DATA														DULL CONDITION								
MD	INCL	AZIM	TVD	N/S(-)	E/W(-)	VS	DLS							I	O	D	L	B	R	G	T	
11,972.00	68.10	345.80	11,760.84	-237.32	-746.72	-237.32	11.92															
11,878.00	56.90	345.90	11,717.50	-318.04	-726.37	-318.04	9.92															
11,784.00	47.60	345.00	11,660.02	-389.91	-707.75	-389.91	7.13															
11,691.00	41.00	344.10	11,593.50	-452.49	-690.49	-452.49	7.26															
11,596.00	35.30	337.80	11,518.79	-507.94	-671.56	-507.94	10.34															
MUD ADDITIVES																						
PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT								
MUD DATA																						
Date: 7/18/2019 6:00:00PM		MUD TYPE BRINE			CHECK DEPTH 12,026		FL TEMP 137.00		WATER 91.00 (%)		OIL 0.00 (%)		SAND 0.10 (%)									
GELS (1.0/1.0		Filter Cak 1.0 (32nd")			HTHP 0.0		MW 9.70		VISC 27.00		TEMP 120.00		ECD									
PV/YP 1.0/3.0		MBT 0.0			pH 9.00 Pm 0.20		Pf 0.10 Mf 0.25		Cl- 128,000		Total Hard 2400		K+ 0									
Lubricant %		ES			WPS		CaCl2		WATER (%)		OIL (%)		HGS 0.00 (%)									
LGS 2.66 (%)		SOLIDS 2.66 (%)																				
COMMENTS																						
MUD GAS DATA																						
CONNECTION MAX					TRIP MAX					BACKGROUND MAX												
CURRENT BHA																						
DESCRIPTION		NUMBER	LENGTH	DRILL ROT	DRILL SLIDE	P/U	S/O	ROT	TORQUE	OD	ID	TOP CON SIZE										
BHA HRS		MTR HRS 0																				
JAR HRS		MWD Hrs																				
OPERATIONS (00:00)																						
OPERATION COMMENT				PRESSURE TEST ANNULAR W/ RIG PUMPS. N/D PRUITT ROTATING HEAD AND ORBIT VALVE. C/O ANNULAR ELEMENT. R/U WEATHERFORD ROTATING HEAD AND ORBIT VALVE. PRESSURE TEST ANNULAR PREVENTER. R/U SOUTHERN CONNECTIONS CASING CREW. RUN 7", 29#, VA-XP-P110 T/ 11,500'																		
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS															
00:00	01:00	12,026.00	12,026.00	22	NP	F_INT2	PRESSURE UP TO 1500 PSI TO TEST ANNULAR PREVENTER. PRESSURE BLED OFF 40 PSI IN 5 MIN. AFTER OPENING ANNULAR PREVENTER AND TRYING TO REMOVE THE TEST PLUG, IT WAS NOTICED THAT A LARGE AMOUNT OF THE RUBBER WAS PROTRUDING INTO STACK. FUNCTIONED ANNULAR ON DRILL PIPE ATTEMPTING TO GET RUBBER TO RETRACT INTO NORMAL POSITION W/ NO LUCK. DECISION WAS MADE TO C/O ANNULAR ELEMENT. L/D TEST PLUG AND JT DRILL PIPE. SHUT BLIND RAMS AND MONITOR WELLBORE PRESSURE.															
01:00	09:00	12,026.00	12,026.00	22	NP	F_INT2	REMOVE FLOWLINE, ORBIT VALVE, ROTATING HEAD BOWL, AND ANNULAR CAP. R/D ALL PRUITT ACTUATORS FOR CLAMP, ORBIT VALVE, AND RELATED EQUIPMENT. C/O ANNULAR ELEMENT W/ H&P BOP GROUP. RE INSTALL ANNULAR CAP, WEATHERFORD ROTATING HEAD BOWL, ORBIT VALVE. R/U WEATHERFORD ACTUATING EQUIPMENT AND LINES FOR SAME. RE-INSTALL TURN BUCKLES AND FILL UP LINE. WELDER MODIFYING FLOWLINE DUE TO CHANGES IN ROTATING HEAD AND ORBIT VALVE EQUIPMENT. INSTALL TEST PLUG AND FILL STACK.															
09:00	09:30	12,026.00	12,026.00	15	NP	F_INT2	R/U EDGE PRESSURE TESTERS AND TEST ANNULAR ELEMENT TO 250 PSI LOW FOR 5 MIN AND 3,500 PSI FOR 10 MIN - GOOD. REMOVE TEST PLUG AND R/D PRESSURE TESTERS.															
09:30	11:00	12,026.00	12,026.00	12	P	F_INT2	R/U SOUTHERN CONNECTIONS CASING CREW AND CRT.BPERFORM PJSM PRIOR TO RUNNING CASING.															
11:00	00:00	12,026.00	12,026.00	12	P	F_INT2	RUN 7", 29#, VA-XP-P110 CASING AS FOLLOWS: M/U FLOAT SHOE, 2 JTS CASING, FLOAT COLLAR, AND 1 JT CASING. TEST FLOATS - GOOD. RUN CASING T/ 11,500' MD FILL CASING ON THE FLY PU 330K, SO 200K NO DISPLACEMENT															

24 HOUR SUMMARY

UNIVERISTY 32 #411H

DFS: 11.39

DOL: 40.00

DRILLS / HSE: N/A

REGULATORY:

SAFETY TOPIC: ONE FLAGGER, GOOD COMMUNICATION, 100% TIE-OFF

NPT Daily: 9.5 HR CHANGING OUT ANNULAR ELEMENT AND ROTATING HEAD EQUIPMENT

NPT Gross: 20 HR

CURRENT OPS: FINISHING UP CEMENTING 7" CASING AS PER PROG

24 HR SUMMARY: PRESSURE TEST ANNULAR W/ RIG PUMPS. N/D PRUITT ROTATING HEAD AND ORBIT VALVE. C/O ANNULAR ELEMENT. R/U WEATHERFORD ROTATING HEAD AND ORBIT VALVE. PRESSURE TEST ANNULAR PREVENTER. R/U SOUTHERN CONNECTIONS CASING CREW. RUN 7", 29#, VA-XP-P110 T/ 11,500'

FOOTAGE LAST 24 HRS: 0'

ROP: 0 FPH

ROTATE: 0' 0%

SLIDE: 0' 0%

LAST SURVEY: 11,972', INC: 68.1°, AZM: 345.8°, TVD: 11,760.84', DLS: 11.92°

BIT PROJECTION: 11,023', INC: 73.7°, AZM: 345.8°, 39' AHEAD & 14' LEFT, 11.9 MY, 5.1° BRN TO LAND @ 11,825' TVD

MUD PROPERTIES: MW: 9.7, VIS: 28, pH: 9.5, CI: 128,000, LGS: 2.66

LAST LITHOLOGY: @ 12,026' - 90% SHALE, 10% LIMESTONE

FORMATION TOPS:	MD	TVD
BELL CANYON (BASE OF SALT)	5,157'	5,133'
CHERRY CANYON	6,837'	6,352'
BRUSHY CANYON	7,489'	7,442'
BONE SPRING	8,771'	8,715'
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WOLFCAMP TOP	11,762'	11,645'
WOLFCAMP X	11,805'	11,673'
WOLFCAMP Y	11,946'	11,752'
WOLFCAMP A	11,968'	11,762'
TOP TARGET		
LANDING POINT		
BASE TARGET		

RIG KB: 25.5'

20" CONDUCTOR SET @ 105'

SURFACE SPUDDED @ 0330HRS 6/12/2019

13-3/8" SET AT 494.7'

9-5/8" SET @ 5,220'

KICK-OFF POINT @ 11,273'

7" SET @ 12,011'

LAND CURVE @

TD @

4-1/2" SET @

RIG RELEASE @

BROUGHT IN 0 BBLS OF FRESH WATER FOR FRAC TANKS - TOTAL 960 BBLS
BROUGHT IN 0 BBLS OF CITY WATER FOR CEMENT TANKS - TOTAL 1200 BBLS
BROUGHT IN 240 BBLS OF FRESH WATER FOR RIG TANK - TOTAL 1130 BBLS
HAULED TO DISPOSAL 0 BBLS CEMENT AND SPACER - TOTAL 240 BBLS

DAY DSM: IAN ENSELL

NIGHT DSM: CHRIS LINDLEY

DAILY COST						
Class	Code	Subcode	Description	Vendor	Daily Cost	Comment
	0652	8810	CASING (INT1)	B&L Pipe	0.00	9 5/8, 40# J-55 Casing \$25.78
	0652	8820	CASING (INT2)	B & L Pipeco Services	0.00	7" 29# VA-XP-P100 CASING \$24.80
	0652	8889	CASING (SURF)	B&L Pipe	0.00	13 3/8, 54.5# J-55 Casing \$35.84
	0652	8739	CASING/LINER (PROD)	B&L Pipe	0.00	4 1/2" 13.5# HCP110 CDC-HTQ \$12.96/ft
	0650	8790	CONTINGENCY	WPX Energy	5,375.24	8% overage
	0650	8757	DIRECTIONAL EQUIPMENT - SERVICES	MS Energy Services	5,300.00	Directional Daily Cost - (standby rate \$5300) ADJUSTMENTS MADE FOR END OF WELL COSTS
	0650	8758	DRILL FLUIDS & CHEMICALS - MATERIALS	Bulldog Chemicals LLC	9,232.30	FLUSH AND TUFF SOAP #9504
	0650	8758	DRILL FLUIDS & CHEMICALS - MATERIALS	Stellar Drilling Fluids	852.24	Mud materials and tax , Treated oil base mud in OBM tank farm
	0650	8989	DRILL FLUIDS & CHEMICALS - SERVICES	Stellar Drilling Fluids	1,003.45	24 hour Service 940.00 PLUS TAX PLUS BLOWER RENTAL \$45.00
	0650	8783	FLUID & CUTTINGS DISPOSAL	Republic Services	1,700.00	NO MORE DAILY RENTAL ALL IN ONE PRICE \$850 PER BIN (BIN SWAP) FROM MARCH
	0650	8774	GENERAL LABOR	Chris Burns Welding LLC	960.00	FABRICATE FLOWLINE SPOOL #041635
	0650	8823	LIVING FACILITIES & SANITATION	Black Diamond Oilfield Services	560.00	BLACK DIAMOND Camps 6 camps plus 1 transformer
	0650	8803	MAN CAMP	WPX Energy	80.00	Shared - Superintendant housing \$80 per day on each rig
	0650	8298	MISCELLANEOUS - MATERIALS	Helmerich & Payne Inc.	2,102.62	ANNULAR ELEMENT (SPLIT ACROSS 3 WELLS ON PAD) #710294680
	0650	8837	MUD LOGGING	Field Geo Services Inc	1,620.00	Mud Loggers (\$1620 daily)
	0650	8868	RENTAL EQUIPMENT (DOWNHOLE)	Quail Tools LP	0.00	THREE XT39 PUP JTS 5',10',15'
	0650	8868	RENTAL EQUIPMENT (DOWNHOLE)	Stabil Drill	1,200.00	8" SHOCK SUB RENTAL #50444214
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Pruitt	1,100.00	Pruitt-Rotating head, bowl and orbit valve
	0650	8869	RENTAL EQUIPMENT (SURFACE)	PRT Rental	200.00	Spacer Spool, 2 SETS OF VBR RAMS BOLTS - (\$200.0 Day)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Sun Coast Resources Inc	0.00	Portable Fuel Tank
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	190.00	Daily on communications. \$190.00 / DAY
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Black Diamond Oilfield Services	0.00	Camp Generator
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	50.00	2 PORTA-JOHNS \$25.ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	600.00	Daily on 5 light plants (B AND B) \$60. ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Safety Solutions LLC	70.00	Daily cost on H2S Monitoring System (\$70/day) (Safety)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	Premix Tank (B AND B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Totco	738.50	EDR
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	420.00	FRAC TANK DAILY COST AND 1 OPEN TOP (ALL AT 30 A DAY)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	JST - Johnson Specialty Tools	0.00	DIESEL PW-\$45, OBM CONT-\$140, OBM FRAC \$35 X 6, 6X8 PUMP \$110, MUD VAC \$110, MUD BUCKET \$80, 6X6 PUMP \$85, MANIFOLDS \$20 X 1, WBM FRAC \$35 X 4 (NO MAGNETS) H&P RENTED LOADER AND MANLIFT
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	250.00	
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Thomas Tools	127.00	INLINE SCREEN DAILY RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	RENTAL ON LOADER (B & B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	60.00	Daily on trash trailer (GLEZZ) \$30 ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	325.00	Daily rental for choke and flare line package \$325/day each
	0650	8760	RIG DAYWORK	Helmerich & Payne Inc.	24,923.04	Rig Operation Day Rate \$24,923 / DAY
	0650	8295	RIG MOVING RATE	Helmerich & Payne Inc.	0.00	Rig Mobilization Rate
	0650	8994	SOLIDS CONTROL - SERVICES	Kayden Industries	3,733.33	Solids Control Equipment and onsite Techs charges up to current (\$3,733.33 WBM). #,(\$3100 RIG UP.
	0650	8742	TRUCKING	Major League Trucking	540.00	HAUL IN TUBING HEADS #12554A
	0650	8742	TRUCKING	Major League Trucking	1,980.00	HAUL AND BACKHAUL 4" PUP JTS #12272A
	0650	8743	WELLHEAD - SERVICES	Edge Specialty Services	1,748.00	PRESSURE TEST ANNULAR #19033
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	2,000.00	Supervision- Ian Ensell
	0650	8917	WELLSITE SUPERVISION	WPX Energy	800.00	Shared superintendant/Foreman day rate for Keith Robert, Stan, Mark \$800 per day
	0650	8917	WELLSITE SUPERVISION	Crescent Consulting Llc	0.00	Supervision Nights- Jacob Hinojosa
	0650	8917	WELLSITE SUPERVISION	Lindley Consulting LLC	1,975.00	Supervision Nights- Chris Lindley
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	0.00	Supervision- Lance Fatheree
				Daily Total	72,565.72	
				Cumulative Total	1,607,108.63	

NPT SUMMARY				
Start date/time	End date/time	Title	Description	Duration (hr)
7/17/2019 9:00:00PM	7/18/2019 9:30:00AM	RETRIEVE RUBBER FROM STACK AND TROUBLESHOOT / CHANGE OUT ANNULAR ELEMENT.	AFTER M/U CACTUS WEAR BUSHING PULLER, BLIND RAMS WERE OPENED. PRIOR TO RUNNING PULLER IN THE HOLE, A PIECE OF APPX 12" X 10" RUBBER WAS FOUND INSIDE STACK SITTING ON TOP OF WEAR BUSHING. ALSO ANNULAR ELEMENT WAS PROTRUDING OUT INTO STACK. MULTIPLE ATTEMPTS WERE MADE TO RETRIEVE RUBBER AND EVENTUALLY THE WEAR BUSHING WAS PULLED AND RUBBER CAME OUT INSIDE WEAR BUSHING. RUBBER WAS A BROKEN PIECE OF A WIPER RUBBER. M/U TEST PLUG ON 5" DP AND LOWER THROUGH STACK. FUNCTION ANNULAR PREVENTER ON DRILL PIPE AND VISUALLY INSPECT ELEMENT. ELEMENT VISUALLY LOOKED OK. SET TEST PLUG AND LINE UP VALVES TO PRESSURE TEST ANNULAR PREVENTER. C/O ANNULAR ELEMENT AND SWAP PRUITT FOR WEATHERFORD ROTATING HEAD EQUIPMENT.	12.50

WPX Energy																							
Daily Drilling Report																							
WELL NAME:	UNIVERSITY 32-411H		AFE #:	190635		AFE \$:	3,513,250		LANDING PNT	5,220(usft'		REPORT#:	16		DATE:	7/19/2019							
FIELD:	PHANTOM		SIDETRACK:	00		DAILY COST \$:	497,209		LATERAL SEC:	0.00		DFS:	12.39										
EVENT:	DRILLING		LOCATION:			CUM COST \$:	2,104,317		TD (MD):	12,026.0		LITHOLOGY:											
OBJECTIVE:	DEVELOPMENT		CTY,ST:	WINKLER,TEXAS		DAILY MUD	0		TD (TVD):	11,781.0		FORMATION:		Wolfcamp A									
ENGINEER:	Justin Barmore		ROT HRS:	0.00		CUM MUD	0		SPUD DATE::	6/12/2019		DIESEL (MUD DIESEL):		0		/ 224							
TODAY'S DEPTH:		12,026 (usft)		CUM ROT:		130.00		+/- PLAN:				RR DATE :				DIESEL (RIG FUEL):		1,153 / 25,071					
PREV. DEPTH:		12,026 (usft)						RIG::		H&P 314				SUPERVISOR:		Ian Ensell							
PROGRESS:		(usft)		WEATHER: HIGH OF 104° LOW OF 74°								SUPERVISOR PH. #:		1-405-423-1705									
PRESENT OPERATION:		TIH @ W/ 6.125" LATERAL ASSEMBLY @ 7,080'																					
OPERATION FORECAST:		CONTINUE M/U BHA AND TEST. TIH W/ 4" DRILL PIPE AND P/U 4" HWDP SINGLES. TIH AND DRILL OUT 7" SHOE TRACK. LAND CURVE AND BEGIN DRILLING																					
CSG / WELL CONTROL			DRLG DATA				DOWNTIME:			BIT RECORD													
LAST CASING:		9.625(in)		ST WT UP				PRESS				LOSS TIME (hrs):		20.00		BIT #				RPM			
DEPTH:		5,220(usft)		ST WT DN				RATE				LOSS TIME INC:		6.00		SIZE				HHP			
LAST BOP:		7/19/2019		ST WT ROT				DP AV				NEAR MISSES:		0.00		TYPE				P BIT			
LOT EMW:				TQ ON BTM				DC AV				24 HR RIG DOWN:		0.00		JETS		-					
WEIGHT LB/FT:		40(ppf)		TQ OFF BTM								CUM RIG DOWN		1.50		DEPTH IN							
CONN:		BTC														DEPTH OUT							
PUMP DATA													DULL CONDITION										
PUMP #		MANU			LINER		STROKE		PRESSURE		GPM												
1		GARDENER-DENVER			6.000		11																
2		GARDENER-DENVER			6.000		11																
3		GARDENER-DENVER			6.000		11																
SURVEY DATA																							
MD	INCL	AZIM	TVD	N/S(-)	E/W(-)	VS	DLS						I	O	D	L	B	R	G	T			
11,972.00	68.10	345.80	11,760.84	-237.32	-746.72	-237.32	11.92														-		
11,878.00	56.90	345.90	11,717.50	-318.04	-726.37	-318.04	9.92																
11,784.00	47.60	345.00	11,660.02	-389.91	-707.75	-389.91	7.13																
11,691.00	41.00	344.10	11,593.50	-452.49	-690.49	-452.49	7.26																
11,596.00	35.30	337.80	11,518.79	-507.94	-671.56	-507.94	10.34																
MUD ADDITIVES																							
PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT									
MUD DATA																							
Date: 7/19/2019 6:00:00PM		MUD TYPE INVERT		CHECK DEPTH 12,026		FL TEMP		WATER 17.00 (%)		OIL 59.50 (%)		SAND (%)											
GELS (11.0/20.0		Filter Cak 2.0 (32nd")		HTHP 12.0		MW 12.50		VISC 69.00		TEMP 150.00		ECD											
PV/YP 22.0/11.0		MBT		pH Pm		Pf Mf		Cl-		Total Hard		K+											
Lubricant %		ES 569.0		WPS 292,919		CaCl2 29.3		WATER 22.00 (%)		OIL 78.00 (%)		HGS 13.09 (%)											
LGS 8.50 (%)		SOLIDS 21.59 (%)																					
COMMENTS																							
MUD GAS DATA																							
CONNECTION MAX				TRIP MAX								BACKGROUND MAX											
CURRENT BHA																							
DESCRIPTION		NUMBER	LENGTH	DRILL ROT	DRILL SLIDE	P/U	S/O	ROT	TORQUE	OD	ID	TOP CON SIZE											
			7,178.42																				
Heavy Weight Drill Pipe		0	1,383.18	(15 Stands) HWDP								4.00	2.56	4.00									
Drill Pipe		1	5,687.27	(60 Stds) 4" Push Pipe								4.00	3.34	4.00									
Cross Over		2	2.59	3 1/2IF x 4" XT39								4.84	2.19	3.50									
Filter		3	6.50	4 3/4" Filter Sub								4.75	2.25	3.50									
Non-Mag Drill Collar		4	28.31	4 3/4" NMDC								4.84	2.75	3.50									
Non-Mag Drill Collar		5	30.37	4 3/4" NMDC W/ MWD								4.84	2.75	3.50									
Universal Bottom Hole Orienter		6	4.81	4 3/4" UBHO (SS 1.92)								4.56	2.50	3.50									
Integral Blade Stabilizer		7	4.99	5 7/8" STAB W/ FLOAT								4.75	2.19	3.50									
Bent Housing		8	29.40	5", 5/6, 6.7, 0.63 RPG, SET @ 1.5° FXD SLICK W/ FLOAT								4.99		3.50									
Polycrystalline Diamond Bit		9	1.00	6 1/8" SECURITY GT54D 5X16'S								6.13											
BHA HRS		MTR HRS 0																					
JAR HRS		MWD Hrs																					
OPERATIONS (00:00)																							
OPERATION COMMENT			CONTINUE RUNNING CASING AND LAND @ 12,011'. R/U CEMENT HEAD AND CIRCULATING IRON. INDUCE W/ 67 BBLS ACTIVE MUD TO 460 PSI AND CIRCULATE B/U THROUGH CHOKES. CEMENT 7" CASING W/ 30 BBLS DYED GEL SPACER, 316 BBLS (655 SKS) 11.5# LEAD, 38 BBLS (180 SKS) 15.6# TAIL, DROP PLUG AND DISPLACE W/ 443 BBLS 12.8 PPG OBM. BUMP PLUG W/ 500 PSI OVER, FLOATS HELD, BLEED BACK 1.5 BBLS. 5 BBLS CEMENT TO SFC. R/D CEMENTERS. L/D LANDING JT. SET PACKOFF AND TEST SAME. SET BIT GUIDE. C/O UPPER RAMS TO H&P VBR'S, C/O LOWER RAMS TO 4" SOLID BODIES. PRESSURE TEST BOPE, SURFACE LINES, AND CASING. INSTALL WEAR BUSHING. M/U 6.125" DIRECTIONAL BHA.																				
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS																
00:00	01:00	12,026.00	12,026.00	12	P	F_INT2	RUN 7", 29#, P-110 EYHC CASING F/11,500 - T/12,011' MD TOTAL JOINTS RAN 289 PLUS ONE PUP JT SET DEPTH 12,011.40' TOP OF FLOAT SHOE AT 12,009.79' TOP OF FLOAT COLLAR AT 11,925.92' CHECK FLOATS (GOOD) TORQUE CONNECTIONS TO 7,500 FT-LBS SOUTHERN CONECTIONS CASING CREW NO THREAD REP OR TORQUE TURN PRESENT RAN 1 CENTRILIZER 5' ABOVE SHOE AND 1- 5' ABOVE FLOAT COLLAR, ONE CENTRILIZER EVERY OTHER JOINT IN CURVE AND EVERY 4TH BACK TO 9 5/8 CASING FILL CASING ON THE FLY. 17 JTS LEFT OUT & 1 MARKER JT. PICKED UP LANDING JOINT AND LANDED WITH CACTUS REP PRESENT NO DISPLACEMENT MOST OF THE JOB, HAD A FEW JOINTS TOWARDS LANDING THAT DISPLACED MINIMAL AMOUNT, LESS THAN HALF OF CALCULATED. HOLE WAS FULL AT LANDING.																
01:00	01:30	12,026.00	12,026.00	12	P	F_INT2	RIG UP PAR 5 CEMENT CREW																

OPERATIONS (00:00)							
OPERATION COMMENT		CONTINUE RUNNING CASING AND LAND @ 12,011'. R/U CEMENT HEAD AND CIRCULATING IRON. INDUCE W/ 67 BBLS ACTIVE MUD TO 460 PSI AND CIRCULATE B/U THROUGH CHOKES. CEMENT 7" CASING W/ 30 BBLS DYED GEL SPACER, 316 BBLS (655 SKS) 11.5# LEAD, 38 BBLS (180 SKS) 15.6# TAIL, DROP PLUG AND DISPLACE W/ 443 BBLS 12.8 PPG OBM. BUMP PLUG W/ 500 PSI OVER, FLOATS HELD, BLEED BACK 1.5 BBLS. 5 BBLS CEMENT TO SFC. R/D CEMENTERS. L/D LANDING JT. SET PACKOFF AND TEST SAME. SET BIT GUIDE. C/O UPPER RAMS TO H&P VBR'S, C/O LOWER RAMS TO 4" SOLID BODIES. PRESSURE TEST BOPE, SURFACE LINES, AND CASING. INSTALL WEAR BUSHING. M/U 6.125" DIRECTIONAL BHA.					
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS
01:30	02:00	12,026.00	12,026.00	22	P	F_INT2	INDUCE FLOW - FILL CASING, VERIFY BACKSIDE IS FULL THROUGH KILL LINE, SHUT ANNULAR AND BULLHEAD 67 BBLS OF ACTIVE MUD, ANNULAR PRESSURE BUILT UP TO 460 PSI - SUCCESSFUL INDUCTION
02:00	03:00	12,026.00	12,026.00	05	P	F_INT2	CIRCULATE BTM UP THROUGH WIDE OPEN CHOKES 9 BBLS A MINUTE, 1250 PSI
03:00	06:30	12,026.00	12,026.00	12	P	F_INT2	CEMENT 7" CASING AS FOLLOWS: PRESSURE TEST TO 6000 PSI FOR 5 MINUTES PUMP 30 BBLS 8.6 PPG GEL SPACER WITH DYE @ 6.8 BPM, 550 PSI PUMP 316 BBLS (655 SACKS) OF 11.5 PPG LEAD CEMENT (YIELD 2.71) @ 7 BPM, 250 PSI. PUMP 38 BBLS (180 SACKS) OF 15.6 PPG TAIL (YIELD 1.18) @ 5.5 BPM, 450 PSI DROP TOP PLUG AND DISPLACE WITH 443 BBLS OF 12.8 PPG OBM AT 7.5 BPM: ICP 400 PSI W/ FULL RETURNS. FCP 700 PSI. PRESSURE PRIOR TO BUMP: 0 PSI, BUMPED PLUG 500 PSI OVER TO 550 PSI, FLOATS HELD. 1.5 BBLS BLEED BACK CEMENTED THRU CHOKES 3/4 - FULL OPEN ON ONE CHOKE AND FULL OPEN ON 2ND CHOKE UNTIL 200 BBLS INTO DISPLACEMENT, ABLE TO OPEN BOTH CHOKES TO 100% AND GET ON THE FLOWLINE. MAINTAINED BBL IN BBL OUT UNTIL 350BBLS INTO DISPLACEMENT WHERE IT SLOWLY BEGAN TO DROP OFF 30 BBLS DYE SPACER BACK TO SURFACE AND 5 BBLS CEMENT, LOST RETURNS WITH 15BBLS REMAINING OF DISPLACEMENT ESTIMATED TOP OF CEMENT - SURFACE.
06:30	07:00	12,026.00	12,026.00	12	P	F_INT2	FLUSH CEMENT LINES AND RIG DOWN PAR 5 CEMENTERS
07:00	07:30	12,026.00	12,026.00	12	P	F_INT2	FLUSH STACK, FLOWLINE AND TRIP TANK LINES
07:30	09:30	12,026.00	12,026.00	21	P	F_INT2	PICK UP WASH TOOL AND WASH WELLHEAD, L/D WASHTOOL AND PICK UP PACK OFF, SET 25K ON PACK OFF, TESTED SEALS TO 5,000 PSI. OVER PULL 40K PACK OFF INSTALLED. SET BIT GUIDE, INSTALL TEST PLUG
09:30	10:00	12,026.00	12,026.00	15	P	F_INT2	PJSM AND RIG UP EDGE TESTERS
10:00	11:00	12,026.00	12,026.00	15	P	F_INT2	PJSM AND TEST CHOKE MANIFOLD AND FLOOR VALVES TO 250 PSI LOW AND 8500 PSI HIGH FOR 5 MINUTES LOW AND 10 MINUTES HIGH
11:00	13:00	12,026.00	12,026.00	14	P	F_INT2	REMOVE LOWER SOLID BODY 5" RAMS AND INSTALL 4" SOLID BODY RAMS, CHANGE OUT VBR'S TO H&P VBR'S
13:00	13:30	12,026.00	12,026.00	15	P	F_INT2	TEST STANDPIPE, VIBRATOR HOSES, INLINE SCREEN AND 4" VALVES ON MUD PUMPS TO 250PSI LOW FOR 5 MINUTES AND 7500PSI HIGH FOR 10 MINUTES
13:30	15:30	12,026.00	12,026.00	21	P	F_INT2	REMOVE 5" STABBING GUIDE, 4 1/2 IF SAVER SUB, AND 5" DIE BLOCKS. INSTALL 4" DIE BLOCKS, XT-39 SAVER SUB, AND 4" STABBING GUIDE.
15:30	21:30	12,026.00	12,026.00	15	P	F_INT2	TEST BLIND RAMS, OUTSIDE KILL, UPPER RAMS, LOWER RAMS, INSIDE KILL, HCR, 4" MANUAL, AND CHECK VALVE TO 250 PSI LOW FOR 5 MIN AND 8500 PSI HIGH FOR 10 MIN. TEST ORBIT VALVE TO 250 PSI LOW FOR 5 MIN AND 1500 PSI HIGH FOR 10 MIN. TEST STAND PIPE, MANUAL IBOP, AND IBOP TO 250 PSI LOW FOR 5 MIN AND 7500 PSI HIGH FOR 10 MIN. REMOVE TEST PLUG. TEST CASING TO 1500 PSI FOR 30 MIN. GAUGE ON 7" X 9.625" ANNULUS READ 0 PSI BEFORE, DURING, AND AFTER TEST. ALL TESTS SUCESSFUL.
21:30	22:00	12,026.00	12,026.00	21	P	F_INT2	INSTALL WEAR BUSHING W/ CACTUS REP
22:00	23:00	12,026.00	12,026.00	22	P	F_INT2	LAY OUT DIRECTIONAL BHA. STRAP 45 JTS HWDP. M/U ELEMENT ON ROTATING HEAD.
23:00	00:00	12,026.00	12,026.00	06	P	F_INT2	M/U 6.125" LATERAL BHA AS FOLLOWS: 6.125" SECURITY GT54D W/ 5X16'S TFA: 0.98 5", 5/6, 6.7, 1.5" FXD, SLICK, 0.63 RPG W/ FLOAT 5 7/8" STAB W/ FLOAT UBHO 4.75" NMDC W/ MWD 4.75" NMDC FILTER SUB XT-39 X 3 1/2" IF X-O 60 STANDS 4" PUSH PIPE 15 STANDS 4" HWDP

24 HOUR SUMMARY

UNIVERISTY 32 #411H
DFS: 12.39
DOL: 41.00
DRILLS / HSE: N/A
REGULATORY:

SAFETY TOPIC: RIGHT TO STOP THE JOB, HIGH PRESSURE LINES WHILE CEMENTING AND PRESSURE TESTING, BUFFER ZONES

NPT Daily: 0 HR
NPT Gross: 20 HR

CURRENT OPS: TIH @ W/ 6.125" LATERAL ASSEMBLY @ 7,080'

24 HR SUMMARY: CONTINUE RUNNING CASING AND LAND @ 12,011'. R/U CEMENT HEAD AND CIRCULATING IRON. INDUCE W/ 67 BBLS ACTIVE MUD TO 460 PSI AND CIRCULATE B/U THROUGH CHOKES. CEMENT 7" CASING W/ 30 BBLS DYED GEL SPACER, 316 BBLS (655 SKS) 11.5# LEAD, 38 BBLS (180 SKS) 15.6# TAIL, DROP PLUG AND DISPLACE W/ 443 BBLS 12.8 PPG OBM. BUMP PLUG W/ 500 PSI OVER, FLOATS HELD, BLED BACK 1.5 BBLS. 5 BBLS CEMENT TO SFC. R/D CEMENTERS. L/D LANDING JT. SET PACKOFF AND TEST SAME. SET BIT GUIDE. C/O UPPER RAMS TO H&P VBR'S, C/O LOWER RAMS TO 4" SOLID BODIES. PRESSURE TEST BOPE, SURFACE LINES, AND CASING. INSTALL WEAR BUSHING. M/U 6.125" DIRECTIONAL BHA.

FOOTAGE LAST 24 HRS: 0'
ROP: 0 FPH
ROTATE: 0' 0%
SLIDE: 0' 0%

LAST SURVEY: 11,972', INC: 68.1°, AZM: 345.8°, TVD: 11,760.84', DLS: 11.92°
BIT PROJECTION: 11,023', INC: 73.7°, AZM: 345.8°, 39' AHEAD & 14' LEFT, 11.9 MY, 5.1° BRN TO LAND @ 11,825' TVD

MUD PROPERTIES: MW: 12.5, VIS: 69, O/W: 78/22, LGS: 8.5, WPS: 292,919, ES: 569, 6/3: 9/8

LAST LITHOLOGY: @ 12,026' - 90% SHALE, 10% LIMESTONE

FORMATION TOPS:	MD	TVD
BELL CANYON (BASE OF SALT)	5,157'	5,133'
CHERRY CANYON	6,837'	6,352'
BRUSHY CANYON	7,489'	7,442'
BONE SPRING	8,771'	8,715'
AVALON	8,811'	8,755'
1ST BONE SPRING SAND	9,791'	9,735'
2ND BONE SPRING LIME	9,917'	9,861'
2ND BONE SPRING SAND	10,515'	10,459'
3RD BONE SPRING LIME	10,673'	10,616'
3RD BONE SPRING SAND	11,393'	11,335'
WOLFCAMP TOP	11,762'	11,645'
WOLFCAMP X	11,805'	11,673'
WOLFCAMP Y	11,946'	11,752'
WOLFCAMP A	11,968'	11,762'
TOP TARGET		
LANDING POINT		
BASE TARGET		

RIG KB: 25.5'
20" CONDUCTOR SET @ 105'
SURFACE SPUDDED @ 0330HRS 6/12/2019
13-3/8" SET AT 494.7'
9-5/8" SET @ 5,220'
KICK-OFF POINT @ 11,273'
7" SET @ 12,011'
LAND CURVE @
TD @
4-1/2" SET @
RIG RELEASE @

BROUGHT IN 0 BBLS OF FRESH WATER FOR FRAC TANKS - TOTAL 960 BBLS
BROUGHT IN 120 BBLS OF CITY WATER FOR CEMENT TANKS - TOTAL 1320 BBLS
BROUGHT IN 0 BBLS OF FRESH WATER FOR RIG TANK - TOTAL 1130 BBLS
HAULED TO DISPOSAL 460 BBLS CEMENT AND SPACER - TOTAL 1060 BBLS

DAY DSM: IAN ENSELL
NIGHT DSM: CHRIS LINDLEY

DAILY COST						
Class	Code	Subcode	Description	Vendor	Daily Cost	Comment
	0652	8810	CASING (INT1)	B&L Pipe	0.00	9 5/8, 40# J-55 Casing \$25.78
	0652	8820	CASING (INT2)	B & L Pipeco Services	318,085.20	7" 29# VA-XP-P100 CASING \$24.80
	0652	8889	CASING (SURF)	B&L Pipe	0.00	13 3/8, 54.5# J-55 Casing \$35.84
	0650	8734	CASING CREWS & TOOLS	Southern Connections & Services I	15,875.00	7" CASING RUN #10256
	0652	8739	CASING/LINER (PROD)	B&L Pipe	0.00	4 1/2" 13.5# HCP110 CDC-HTQ \$12.96/ft
	0650	8821	CEMENT (INT2) - MATERIALS	PAR-FIVE Energy	14,226.40	INT #2 CEMENT MATERIALS #TKT00009248
	0650	8938	CEMENT (INT2) - SERVICES	PAR-FIVE Energy	22,354.88	INT #2 CEMENT SERVICES #TKT00009248
	0650	8790	CONTINGENCY	WPX Energy	36,767.31	8% overage
	0650	8757	DIRECTIONAL EQUIPMENT - SERVICES	MS Energy Services	14,455.00	Directional Daily Cost - (standby rate \$5300) ADJUSTMENTS MADE FOR END OF WELL COSTS
	0650	8758	DRILL FLUIDS & CHEMICALS - MATERIALS	Stellar Drilling Fluids	5,104.22	Mud materials and tax , Treated oil base mud in OBM tank farm
	0650	8989	DRILL FLUIDS & CHEMICALS - SERVICES	Stellar Drilling Fluids	1,003.45	24 hour Service 940.00 PLUS TAX PLUS BLOWER RENTAL \$45.00
	0650	8166	DYED DIESEL	Sun Coast Resources Inc	17,730.33	7115 GAL RIG DIESEL @ \$2.4912 / GAL + \$5.45 LOADING FEE #6029884
	0650	8783	FLUID & CUTTINGS DISPOSAL	Republic Services	850.00	NO MORE DAILY RENTAL ALL IN ONE PRICE \$850 PER BIN (BIN SWAP) FROM MARCH
	0650	8823	LIVING FACILITIES & SANITATION	Black Diamond Oilfield Services	560.00	BLACK DIAMOND Camps 6 camps plus 1 transformer
	0650	8803	MAN CAMP	WPX Energy	80.00	Shared - Superintendant housing \$80 per day on each rig
	0650	8837	MUD LOGGING	Field Geo Services Inc	1,620.00	Mud Loggers (\$1620 daily)
	0650	8868	RENTAL EQUIPMENT (DOWNHOLE)	Quail Tools LP	0.00	THREE XT39 PUP JTS 5',10',15'
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	RENTAL ON LOADER (B & B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	50.00	2 PORTA-JOHNS \$25.ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Black Diamond Oilfield Services	0.00	Camp Generator
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	420.00	FRAC TANK DAILY COST AND 1 OPEN TOP (ALL AT 30 A DAY)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Safety Solutions LLC	70.00	Daily cost on H2S Monitoring System (\$70/day) (Safety)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Sun Coast Resources Inc	0.00	Portable Fuel Tank
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	60.00	Daily on trash trailer (GLEZZ) \$30 ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	250.00	H&P RENTED LOADER AND MANLIFT
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	600.00	Daily on 5 light plants (B AND B) \$60. ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	PRT Rental	200.00	Spacer Spool, 2 SETS OF VBR RAMS BOLTS - (\$200.0 Day)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	JST - Johnson Specialty Tools	0.00	DIESEL PW-\$45, OBM CONT-\$140, OBM FRAC \$35 X 6, 6X8 PUMP \$110, MUD VAC \$110, MUD BUCKET \$80, 6X6 PUMP \$85, MANIFOLDS \$20 X 1, WBM FRAC \$35 X 4 (NO MAGNETS)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Weatherford International Llc	670.00	WEATHERFORD ROTATING HEAD \$400, EXTRA BEARING, \$100, ORBIT VALVE, \$100, STRIPPING RUBBERS \$35 EA X 2. \$670 / DAY TOTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Totco	738.50	EDR
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	Premix Tank (B AND B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	325.00	Daily rental for choke and flare line package \$325/day each
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Thomas Tools	127.00	INLINE SCREEN DAILY RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	190.00	Daily on communications. \$190.00 / DAY
	0650	8760	RIG DAYWORK	Helmerich & Payne Inc.	24,923.04	Rig Operation Day Rate \$24,923 / DAY
	0650	8295	RIG MOVING RATE	Helmerich & Payne Inc.	0.00	Rig Mobilization Rate
	0650	8994	SOLIDS CONTROL - SERVICES	Kayden Industries	3,733.33	Solids Control Equipment and onsite Techs charges up to current (\$3,733.33 WBM). #,(\$3100 RIG UP.
	0650	8743	WELLHEAD - SERVICES	Cactus Wellhead Llc	6,085.00	LAND 7" CASING AND AND INSTALL PACKOFF #0277115
	0650	8743	WELLHEAD - SERVICES	Edge Specialty Services	4,530.00	PRESSURE TEST BOPE #19148
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	0.00	Supervision- Lance Fatheree
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	2,000.00	Supervision- Ian Ensell
	0650	8917	WELLSITE SUPERVISION	Crescent Consulting Llc	0.00	Supervision Nights- Jacob Hinojosa
	0650	8917	WELLSITE SUPERVISION	Lindley Consulting LLC	1,975.00	Supervision Nights- Chris Lindley
	0650	8917	WELLSITE SUPERVISION	WPX Energy	800.00	Shared superintendant/Foreman day rate for Keith Robert, Stan, Mark \$800 per day
				Daily Total	497,208.65	
				Cumulative Total	2,104,317.28	

WPX Energy																			
Daily Drilling Report																			
WELL NAME:	UNIVERSITY 32-411H		AFE #:	190635		AFE \$:	3,513,250		LANDING PNT	12,011(usf		REPORT#:	17	DATE:	7/20/2019				
FIELD:	PHANTOM		SIDETRACK:	00		DAILY COST \$:	105,460		LATERAL SEC:	0.00		DFS:	13.39						
EVENT:	DRILLING		LOCATION:			CUM COST \$:	2,209,777		TD (MD):	12,396.0		LITHOLOGY:							
OBJECTIVE:	DEVELOPMENT		CTY,ST:	WINKLER,TEXAS		DAILY MUD	0		TD (TVD):	11,825.8		FORMATION:		Wolfcamp A					
ENGINEER:	Justin Barmore		ROT HRS:	12.50		CUM MUD	0		SPUD DATE::	6/12/2019		DIESEL (MUD DIESEL):		1,921 / 2,145					
TODAY'S DEPTH:		12,396 (usft)	CUM ROT:	142.50		+/- PLAN:			RR DATE :			DIESEL (RIG FUEL):		2,812 / 27,883					
PREV. DEPTH:		12,026 (usft)				RIG::		H&P 314				SUPERVISOR:		Ian Ensell					
PROGRESS:		370 (usft)	WEATHER: HIGH 104° LOW 75°									SUPERVISOR PH. #:		1-405-423-1705					
PRESENT OPERATION:		DRILLING 6.125" LATERAL @ 12,765'																	
OPERATION FORECAST:		DRILL AHEAD IN 6.125" PRODUCTION LATERAL																	
CSG / WELL CONTROL			DRLG DATA				DOWNTIME:				BIT RECORD								
LAST CASING:		7.000(in)	ST WT UP	225.0	PRESS	5,500.00	LOSS TIME (hrs):		20.00		BIT #	6	RPM	0					
DEPTH:		12,011(usft)	ST WT DN	175.0	RATE	330.0	LOSS TIME INC:		6.00		SIZE	6-1/8 (")		HHP	25.74				
LAST BOP:		7/19/2019	ST WT ROT	185.0	DP AV		NEAR MISSES:		0.00		TYPE	GT54D		P BIT	133.54				
LOT EMW:			TQ ON BTM	12,000.0	DC AV		24 HR RIG DOWN:		0.00		JETS	5-16							
WEIGHT LB/FT:		29(ppf)	TQ OFF BTM	6,000.0			CUM RIG DOWN		1.50		DEPTH IN	12,026.0							
CONN:		BTC									DEPTH OUT								
PUMP DATA																			
PUMP #		MANU		LINER		STROKE		PRESSURE		GPM									
1		GARDENER-DENVER		6.000		11		5,900.00		165.2		CUM. FT							
2		GARDENER-DENVER		6.000		11		5,900.00		165.2		CUM. HRS							
3		GARDENER-DENVER		6.000		11						ROP/Cum-ent							
SURVEY DATA																			
MD	INCL	AZIM	TVD	N/S(-)	E/W(-)	VS	DLS												
12,335.00	88.90	343.70	11,824.67	105.19	-838.72	105.19	1.52												
12,240.00	87.70	342.90	11,821.86	14.24	-811.44	14.24	10.74												
12,145.00	77.80	345.40	11,809.88	-76.29	-785.71	-76.29	4.79												
12,050.00	73.60	347.20	11,786.42	-165.70	-763.90	-165.70	7.25												
11,972.00	68.10	345.80	11,760.84	-237.32	-746.72	-237.32	11.92												
MUD ADDITIVES																			
PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT					
MUD DATA																			
Date: 7/20/2019 6:00:00PM		MUD TYPE INVERT		CHECK DEPTH 12,139		FL TEMP 131.00		WATER 20.00 (%)		OIL 55.50 (%)		SAND (%)							
GELS (12.0/21.0		Filter Cak 2.0 (32nd")		HTHP 21.2		MW 12.80		VISC 79.00		TEMP 150.00		ECD 14.34							
PV/YP 26.0/13.0		MBT		pH Pm		Pf Mf		Cl-		Total Hard		K+							
Lubricant %		ES 428.0		WPS 238,385		CaCl2 23.8		WATER 26.00 (%)		OIL 74.00 (%)		HGS 13.70 (%)							
LGS 8.01 (%)		SOLIDS 22.87 (%)																	
COMMENTS																			
MUD GAS DATA																			
CONNECTION MAX				6,996.00				TRIP MAX				BACKGROUND MAX				8,001.00			
CURRENT BHA																			
DESCRIPTION		NUMBER	LENGTH	DRILL ROT		DRILL SLIDE		P/U	S/O	ROT	TORQUE	OD	ID	TOP CON SIZE					
			7,178.42	370.00				225.00	175.00	185.0	12,000.0								
Heavy Weight Drill Pipe		0	1,383.18	(15 Stands) HWDP															
Drill Pipe		1	5,687.27	(60 Stds) 4" Push Pipe															
Cross Over		2	2.59	3 1/2IF x 4" XT39															
Filter		3	6.50	4 3/4" Filter Sub															
Non-Mag Drill Collar		4	28.31	4 3/4" NMDC															
Non-Mag Drill Collar		5	30.37	4 3/4" NMDC W/ MWD															
Universal Bottom Hole Orienter		6	4.81	4 3/4" UBHO (SS 1.92)															
Integral Blade Stabilizer		7	4.99	5 7/8" STAB W/ FLOAT															
Bent Housing		8	29.40	5", 5/6, 6.7, 0.63 RPG, SET @ 1.5° FXD SLICK W/ FLOAT															
Polycrystalline Diamond Bit		9	1.00	6 1/8" SECURITY GT54D 5X16'S															
BHA HRS 12.50		MTR HRS 12.50																	
JAR HRS		MWD Hrs 12.50																	
OPERATIONS (00:00)																			
OPERATION COMMENT				FINISH M/U BHA AND TEST. TIH T/ 11,631'. SLIP AND CUT DRILLING LINE. RIG SERVICE. TIH F/ 11,631' T/ 11925'. DRILL SHOE TRACK F/ 11,925' T/ 12,011'. CLEAN OUT RAT HOLE F/ 12,011' T/ 12,026'. DRILL 6.125" CURVE F/ 12,026' T/ 12,247'. DRILL 6.125" LATERAL F/ 12,247' T/ 12,396'															
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS												
00:00	00:30	12,026.00	12,026.00	06	P	F_INT2	M/U REMAINING BHA, INSTALL MWD, AND TEST.												
00:30	03:30	12,026.00	12,026.00	06	P	F_INT2	TIH W/ 60 STANDS 4" DRILL PIPE F/ 108' T/ 5,795'												
03:30	05:30	12,026.00	12,026.00	06	P	F_INT2	P/U 45 JTS 4" HWDP SINGLES F/ 5,795' T/ 7,718'												
05:30	08:00	12,026.00	12,026.00	06	P	F_INT2	TIH W/ 4" DRILL PIPE F/ 7,178' T/ 11,536' REMOVE TRIP NIPPLE AND INSTALL ROTATING HEAD TIH F/ 11,536' T/ 11,631'												
08:00	09:00	12,026.00	12,026.00	09	P	F_INT2	PJSM.SLIP AND CUT 88' DRILLING LINE												
09:00	09:30	12,026.00	12,026.00	07	P	F_INT2	RIG SERVICE: GREASE BLOCKS, SERVICE TOPDRIVE, CHECK TORQUE ON PUMP ROD CLAMPS AND LINER RETAINER BOLTS.												
09:30	10:00	12,026.00	12,026.00	06	P	F_INT2	TIH F/ 11,631' T/ 11,925'												
10:00	11:00	12,026.00	12,026.00	03	P	F_INT2	DRILL SHOE TRACK F/ 11,925' T/ 12,011' 253 GPM, 5-8K WOB, 25 RPM, 5K TQ OFF, 8K TQ ON 3,500 PSI OFF, 3,800 PSI ON,												
11:00	12:30	12,026.00	12,026.00	03	P	F_INT2	CLEAN OUT RAT HOLE F/ 12,011' T/ 12,026' @ 12,014' WHILE CLEANING OUT RAT HOLE, BIT STARTED TAKING WEIGHT, PUMP PRESSURE INCREASED, AND HOLE WAS ATTEMPTING TO PACK OFF. WORK SLOWLY THROUGH RAT HOLE UNTIL HOLE CLEANED UP. OBSERVED MODERATE AMOUNT OF DIME TO NICKEL SIZED SHALE COMING ACROSS SHAKER.												

OPERATIONS (00:00)							
OPERATION COMMENT			FINISH M/U BHA AND TEST. TIH T/ 11,631'. SLIP AND CUT DRILLING LINE. RIG SERVICE. TIH F/ 11,631' T/ 11925'. DRILL SHOE TRACK F/ 11,925' T/ 12,011'. CLEAN OUT RAT HOLE F/ 12,011' T/ 12,026'. DRILL 6.125" CURVE F/ 12,026' T/ 12,247'. DRILL 6.125" LATERAL F/ 12,247' T/ 12,396'				
			OPERATIONS				
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	
12:30	22:30	12,026.00	12,247.00	02	P	DRLCUR	DRILL 6.125" CURVE SECTION FROM 12,026' T/ 12,247' 221' @ 22.1 FPH WOB: 20-25, 331 GPM, 5800 PSI ON, 5500 PSI OFF, 25 RPM, 10-11K TORQUE ON, 5K TORQUE OFF PU 230K, SO 185K, ROT 165K SURVEY EVERY 93' MUD WEIGHT: 12.8 PPG IN, 12.8 PPG OUT,
22:30	00:00	12,247.00	12,396.00	02	P	DRLPRO	DRILL 6.125" CURVE SECTION FROM 12,247' T/ 12,396' 149' @ 99.3 FPH WOB: 20-23, 331 GPM, 6200 PSI ON, 5600 PSI OFF, 25-75 RPM, 10-12K TORQUE ON, 6K TORQUE OFF PU 230K, SO 185K, ROT 165K SURVEY EVERY 93' MUD WEIGHT: 12.8 PPG IN, 12.8 PPG OUT,
24 HOUR SUMMARY							
UNIVERISTY 32 #411H DFS: 13.39 DOL: 42.00 DRILLS / HSE: N/A REGULATORY: SAFETY TOPIC: MIXING CHEMICALS, HOUSEKEEPING, WELL CONTROL NPT Daily: 0 HR NPT Gross: 20 HR CURRENT OPS: DRILLING 6.125" LATERAL @ 12,765' 24 HR SUMMARY: FINISH M/U BHA AND TEST. TIH T/ 11,631'. SLIP AND CUT DRILLING LINE. RIG SERVICE. TIH F/ 11,631' T/ 11925'. DRILL SHOE TRACK F/ 11,925' T/ 12,011'. CLEAN OUT RAT HOLE F/ 12,011' T/ 12,026'. DRILL 6.125" CURVE F/ 12,026' T/ 12,247'. DRILL 6.125" LATERAL F/ 12,247' T/ 12,396' FOOTAGE LAST 24 HRS: 370' ROP: 29.6 FPH ROTATE: 193' 52.2% SLIDE: 177' 47.8% LAST SURVEY: 12,714', INC: 89.0°, AZM: 343.2°, TVD: 11,833.84', DLS: 0.8° BIT PROJECTION: 12,768', INC:89.0°, AZM: 343.2°, 3.8' BELOW & 9' LEFT MUD PROPERTIES: MW: 12.8, VIS: 79, O/W: 74/26, LGS: 8.01, WPS: 238,385, ES: 428, 6/3: 10/9 LAST LITHOLOGY: @ 12,550' - 90% SHALE, 10% LIMESTONE FORMATION TOPS: MD TVD BELL CANYON (BASE OF SALT) 5,157' 5,133' CHERRY CANYON 6,837' 6,352' BRUSHY CANYON 7,489' 7,442' BONE SPRING 8,771' 8,715' AVALON 8,811' 8,755' 1ST BONE SPRING SAND 9,791' 9,735' 2ND BONE SPRING LIME 9,917' 9,861' 2ND BONE SPRING SAND 10,515' 10,459' 3RD BONE SPRING LIME 10,673' 10,616' 3RD BONE SPRING SAND 11,393' 11,335' WOLFCAMP TOP 11,762' 11,645' WOLFCAMP X 11,805' 11,673' WOLFCAMP Y 11,946' 11,752' WOLFCAMP A 11,968' 11,762' TOP TARGET LANDING POINT BASE TARGET RIG KB: 25.5' 20" CONDUCTOR SET @ 105' SURFACE SPUDDED @ 0330HRS 6/12/2019 13-3/8" SET AT 494.7' 9-5/8" SET @ 5,220' KICK-OFF POINT @ 11,273' 7" SET @ 12,011' LAND CURVE @ 12,247' TD @ 4-1/2" SET @ RIG RELEASE @ BROUGHT IN 0 BBLS OF FRESH WATER FOR FRAC TANKS - TOTAL 960 BBLS BROUGHT IN 240 BBLS OF CITY WATER FOR CEMENT TANKS - TOTAL 1560 BBLS BROUGHT IN 0 BBLS OF FRESH WATER FOR RIG TANK - TOTAL 1130 BBLS HAULED TO DISPOSAL 30 BBLS DISPLACEMENT WATER - TOTAL 1060 BBLS DAY DSM: IAN ENSELL NIGHT DSM: CHRIS LINDLEY							

DAILY COST						
Class	Code	Subcode	Description	Vendor	Daily Cost	Comment
	0650	8732	BITS	Halliburton Energy Services Inc - S	9,500.00	6.125" SECURITY GT54D S/N 13035038
	0652	8810	CASING (INT1)	B&L Pipe	0.00	9 5/8, 40# J-55 Casing \$25.78
	0652	8820	CASING (INT2)	B & L Pipeco Services	0.00	7" 29# VA-XP-P100 CASING \$24.80
	0652	8889	CASING (SURF)	B&L Pipe	0.00	13 3/8, 54.5# J-55 Casing \$35.84
	0650	8734	CASING CREWS & TOOLS	*New Vendor	2,098.15	(WASHITA VALLEY ENTERPRISES INC) CLEAN, DRIFT, AND TALLY 4.5" LINER #39318
	0652	8739	CASING/LINER (PROD)	B&L Pipe	0.00	4 1/2" 13.5# HCP110 CDC-HTQ \$12.96/ft
	0650	8790	CONTINGENCY	WPX Energy	7,811.82	8% overage
	0650	8757	DIRECTIONAL EQUIPMENT - SERVICES	MS Energy Services	9,875.00	Directional Daily Cost - (standby rate \$5300) ADJUSTMENTS MADE FOR END OF WELL COSTS
	0650	8758	DRILL FLUIDS & CHEMICALS - MATERIALS	Stellar Drilling Fluids	16,260.94	Mud materials and tax . Treated oil base mud in OBM tank farm
	0650	8989	DRILL FLUIDS & CHEMICALS - SERVICES	Stellar Drilling Fluids	1,003.45	24 hour Service 940.00 PLUS TAX PLUS BLOWER RENTAL \$45.00
	0650	8166	DYED DIESEL	Sun Coast Resources Inc	2,072.79	882 GAL RIG DIESEL @ \$2.3501 / GAL #6030037
	0650	8167	DYED DIESEL-MUD TANKS	Sun Coast Resources Inc	14,505.57	6170 GAL MUD DIESEL @ \$2.3501 / GAL # 6030037
	0650	8783	FLUID & CUTTINGS DISPOSAL	Republic Services	850.00	NO MORE DAILY RENTAL ALL IN ONE PRICE \$850 PER BIN (BIN SWAP) FROM MARCH
	0650	8823	LIVING FACILITIES & SANITATION	Black Diamond Oilfield Services	560.00	BLACK DIAMOND Camps 6 camps plus 1 transformer
	0650	8803	MAN CAMP	WPX Energy	80.00	Shared - Superintendant housing \$80 per day on each rig
	0650	8837	MUD LOGGING	Field Geo Services Inc	1,620.00	Mud Loggers (\$1620 daily)
	0650	8868	RENTAL EQUIPMENT (DOWNHOLE)	Quail Tools LP	0.00	THREE XT39 PUP JTS 5',10',15'
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	Premix Tank (B AND B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Thomas Tools	127.00	INLINE SCREEN DAILY RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Totco	738.50	EDR
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Sun Coast Resources Inc	0.00	Portable Fuel Tank
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Safety Solutions LLC	70.00	Daily cost on H2S Monitoring System (\$70/day) (Safety)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	PRT Rental	200.00	Spacer Spool, 2 SETS OF VBR RAMS BOLTS - (\$200.0 Day)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	RENTAL ON LOADER (B & B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	50.00	2 PORTA-JOHNS \$25.ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Black Diamond Oilfield Services	0.00	Camp Generator
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	420.00	FRAC TANK DAILY COST AND 1 OPEN TOP (ALL AT 30 A DAY)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	250.00	H&P RENTED LOADER AND MANLIFT
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	190.00	Daily on communications. \$190.00 / DAY
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Weatherford International Llc	670.00	WEATHERFORD ROTATING HEAD \$400, EXTRA BEARING, \$100, ORBIT VALVE, \$100, STRIPPING RUBBERS \$35 EA X 2. \$670 / DAY TOTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	600.00	Daily on 5 light plants (B AND B) \$60. ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	60.00	Daily on trash trailer (GLEZZ) \$30 ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	JST - Johnson Specialty Tools	800.00	DIESEL PW-\$45, OBM CONT-\$140, OBM FRAC \$35 X 6, 6X8 PUMP \$110, MUD VAC \$110, MUD BUCKET \$80, 6X6 PUMP \$85, MANIFOLDS \$20 X 1, WBM FRAC \$35 X 4 (NO MAGNETS)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	325.00	Daily rental for choke and flare line package \$325/day each
	0650	8760	RIG DAYWORK	Helmerich & Payne Inc.	24,923.04	Rig Operation Day Rate \$24,923 / DAY
	0650	8295	RIG MOVING RATE	Helmerich & Payne Inc.	0.00	Rig Mobilization Rate
	0650	8994	SOLIDS CONTROL - SERVICES	Kayden Industries	3,733.33	Solids Control Equipment and onsite Techs charges up to current (\$3,733.33 WBM). #,(\$3100 RIG UP.
	0650	8742	TRUCKING	Major League Trucking	540.00	HAUL OUT TUBING HEAD #12557A
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	2,000.00	Supervision- Ian Ensell
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	0.00	Supervision- Lance Fatheree
	0650	8917	WELLSITE SUPERVISION	Lindley Consulting LLC	1,975.00	Supervision Nights- Chris Lindley
	0650	8917	WELLSITE SUPERVISION	WPX Energy	800.00	Shared superintendant/Foreman day rate for Keith Robert, Stan, Mark \$800 per day
	0650	8917	WELLSITE SUPERVISION	Crescent Consulting Llc	0.00	Supervision Nights- Jacob Hinojosa
				Daily Total	105,459.59	
				Cumulative Total	2,209,776.88	

WPX Energy																	
Daily Drilling Report																	
WELL NAME:	UNIVERSITY 32-411H		AFE #:	190635		AFE \$:	3,513,250		LANDING PNT	12,011(usf		REPORT#:	18	DATE:	7/21/2019		
FIELD:	PHANTOM		SIDETRACK:	00		DAILY COST \$:	84,938		LATERAL SEC:	0.00		DFS:	14.39				
EVENT:	DRILLING		LOCATION:			CUM COST \$:	2,294,714		TD (MD):	13,937.0		LITHOLOGY:					
OBJECTIVE:	DEVELOPMENT		CTY,ST:	WINKLER,TEXAS		DAILY MUD	0		TD (TVD):	11,839.9		FORMATION:		Wolfcamp A			
ENGINEER:	Justin Barmore		ROT HRS:	23.50		CUM MUD	0		SPUD DATE::	6/12/2019		DIESEL (MUD DIESEL):		6,599 / 8,744			
TODAY'S DEPTH:		13,937 (usft)	CUM ROT:	166.00		+/- PLAN:			RR DATE :			DIESEL (RIG FUEL):		2,185 / 30,068			
PREV. DEPTH:		12,396 (usft)				RIG::		H&P 314				SUPERVISOR:		Ian Ensell			
PROGRESS:		1,541 (usft)	WEATHER: HIGH OF 104° LOW OF 74°									SUPERVISOR PH. #:		1-405-423-1705			
PRESENT OPERATION:		DRILLING 6.125" LATERAL @ 14,301'															
OPERATION FORECAST:		DRILL AHEAD IN 6.125" PRODUCTION LATERAL															
CSG / WELL CONTROL			DRLG DATA				DOWNTIME:				BIT RECORD						
LAST CASING:		7.000(in)	ST WT UP	240.0	PRESS	5,100.00	LOSS TIME (hrs):		20.00		BIT #	6	RPM	0			
DEPTH:		12,011(usft)	ST WT DN	175.0	RATE	320.0	LOSS TIME INC:		6.00		SIZE	6-1/8 (")		HHP	23.38		
LAST BOP:		7/19/2019	ST WT ROT	190.0	DP AV		NEAR MISSES:		0.00		TYPE	GT54D		P BIT	125.24		
LOT EMW:			TQ ON BTM	12,000.0	DC AV		24 HR RIG DOWN:		0.00		JETS	5-16					
WEIGHT LB/FT:		29(ppf)	TQ OFF BTM	6,000.0			CUM RIG DOWN		1.50		DEPTH IN	12,026.0					
CONN:		BTC									DEPTH OUT						
PUMP DATA																	
PUMP #	MANU			LINER		STROKE		PRESSURE		GPM		ROP-last 24 I					
1	GARDENER-DENVER			5.000		11		5,600.00		159.9		CUM. FT 1,911.0					
2	GARDENER-DENVER			5.000		11		5,600.00		159.9		CUM. HRS 36.00					
3	GARDENER-DENVER			5.000		11						ROP/Cum-ent 65.6					
WOB 25.0-32.0																	
SURVEY DATA																	
MD	INCL	AZIM	TVD	N/S(-)	E/W(-)	VS	DLS										
13,853.00	89.80	346.20	11,839.63	1,561.48	-1,263.35	1,561.48	0.97										
13,758.00	90.00	347.10	11,839.46	1,469.05	-1,241.41	1,469.05	1.28										
13,663.00	90.70	346.10	11,840.04	1,376.64	-1,219.40	1,376.64	2.38										
13,568.00	89.10	344.50	11,839.87	1,284.76	-1,195.29	1,284.76	1.68										
13,472.00	89.90	345.90	11,839.04	1,191.95	-1,170.77	1,191.95	2.01										
MUD ADDITIVES																	
PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT			
MUD DATA																	
Date: 7/21/2019 6:00:00PM		MUD TYPE INVERT		CHECK DEPTH 12,139		FL TEMP 131.00		WATER 15.50 (%)		OIL 60.00 (%)		SAND (%)					
GELS (9.0/21.0		Filter Cak 2.0 (32nd")		HTHP 10.0		MW 12.80		VISC 50.00		TEMP 150.00		ECD 14.56					
PV/YP 18.0/9.0		MBT		pH Pm		Pf Mf		Cl-		Total Hard		K+					
Lubricant %		ES 420.0		WPS 297,785		CaCl2 380,278.0		WATER 21.00 (%)		OIL 79.00 (%)		HGS 15.36 (%)					
LGS 7.36 (%)		SOLIDS 22.72 (%)															
COMMENTS																	
MUD GAS DATA																	
CONNECTION MAX				7,198.00		TRIP MAX				BACKGROUND MAX				3,505.00			
CURRENT BHA																	
DESCRIPTION		NUMBER	LENGTH	DRILL ROT		DRILL SLIDE		P/U	S/O	ROT	TORQUE	OD	ID	TOP CON SIZE			
			7,178.42	1,541.00				240.00	175.00	190.0	12,000.0						
Heavy Weight Drill Pipe		0	1,383.18	(15 Stands) HWDP										4.00	2.56	4.00	
Drill Pipe		1	5,687.27	(60 Stds) 4" Push Pipe										4.00	3.34	4.00	
Cross Over		2	2.59	3 1/2IF x 4" XT39										4.84	2.19	3.50	
Filter		3	6.50	4 3/4" Filter Sub										4.75	2.25	3.50	
Non-Mag Drill Collar		4	28.31	4 3/4" NMDC										4.84	2.75	3.50	
Non-Mag Drill Collar		5	30.37	4 3/4" NMDC W/ MWD										4.84	2.75	3.50	
Universal Bottom Hole Orienter		6	4.81	4 3/4" UBHO (SS 1.92)										4.56	2.50	3.50	
Integral Blade Stabilizer		7	4.99	5 7/8" STAB W/ FLOAT										4.75	2.19	3.50	
Bent Housing		8	29.40	5", 5/6, 6.7, 0.63 RPG, SET @ 1.5° FXD SLICK W/ FLOAT										4.99		3.50	
Polycrystalline Diamond Bit		9	1.00	6 1/8" SECURITY GT54D 5X16'S										6.13			
BHA HRS 36.00		MTR HRS 36.00															
JAR HRS		MWD Hrs 36.00															
OPERATIONS (00:00)																	
OPERATION COMMENT				DRILL 6.125" LATERAL SECTION FROM 12,396' T/ 13,526'. RIG SERVICE. DRILL 6.125" LATERAL SECTION FROM 13,526' T/ 13,937'.													
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS										
00:00	06:00	12,396.00	12,863.00	02	P	DRLPRO	DRILL 6.125" LATERAL SECTION FROM 12,396' T/ 12,863' 467' @ 77.8 FPH WOB: 25-28, 331 GPM, 6600 PSI ON, 5600 PSI OFF, 60-75 RPM, 12-13K TORQUE ON, 5K TORQUE OFF PU 230K, SO 170K, ROT 190K SURVEY EVERY 93' MUD WEIGHT: 12.8 PPG IN, 12.8 PPG OUT										
06:00	16:30	12,863.00	13,526.00	02	P	DRLPRO	DRILL 6.125" LATERAL SECTION FROM 12,863' T/ 13,526' 663' @ 63.1 FPH WOB: 25-32, 300-350 GPM, 5800 PSI ON, 5200 PSI OFF, 60-85 RPM, 12-13K TORQUE ON, 5K TORQUE OFF PU 230K, SO 170K, ROT 190K SURVEY EVERY 93' MUD WEIGHT: 12.8 PPG IN, 12.8 PPG OUT										
16:30	17:00	13,526.00	13,526.00	07	P	DRLPRO	RIG SERVICE - GREASE BLOCKS AND TOPDRIVE. CLEAN OUT INLINE SCREEN.										
17:00	00:00	13,526.00	13,937.00	02	NP	DRLPRO	DRILL 6.125" LATERAL SECTION FROM 13,526' T/ 13,937' 411' @ 58.7 FPH WOB: 30-32, 320 GPM, 5600 PSI ON, 5100 PSI OFF, 85 RPM, 12K TORQUE ON, 6K TORQUE OFF PU 240K, SO 175K, ROT 190K SURVEY EVERY 93' MUD WEIGHT: 12.8 PPG IN, 12.8 PPG OUT										

24 HOUR SUMMARY

UNIVERISTY 32 #411H

DFS: 14.39

DOL: 43.00

DRILLS / HSE: N/A

REGULATORY:

SAFETY TOPIC: MAKING CONNECTIONS, INSPECTING EQUIPMENT, HEAT EXHAUSTION

NPT Daily: 0 HR

NPT Gross: 20 HR

CURRENT OPS: DRILLING 6.125" LATERAL @ 14,301'

24 HR SUMMARY: DRILL 6.125" LATERAL SECTION FROM 12,396' T/ 13,526'. RIG SERVICE. DRILL 6.125" LATERAL SECTION FROM 13,526' T/ 13,937'.

FOOTAGE LAST 24 HRS: 1,541'

ROP: 65.6 FPH

ROTATE: 1,426' 92.5%

SLIDE: 115' 7.5%

LAST SURVEY: 14,233', INC: 88.7°, AZM: 337.1°, TVD: 11,843.69', DLS: 2.19°

BIT PROJECTION: 14,287', INC: 88.7°, AZM: 337.1°, 2' ABOVE & 14' LEFT

MUD PROPERTIES: MW: 12.8, VIS: , O/W: 79/21, LGS: 7.36, WPS: 297,785, ES: 420, 6/3: 8/7

LAST LITHOLOGY: @ 14,100' - 100% SHALE

FORMATION TOPS:	MD	TVD
BELL CANYON (BASE OF SALT)	5,157'	5,133'
CHERRY CANYON	6,837'	6,352'
BRUSHY CANYON	7,489'	7,442'
BONE SPRING	8,771'	8,715'
AVALON	8,811'	8,755'
1ST BONE SPRING SAND	9,791'	9,735'
2ND BONE SPRING LIME	9,917'	9,861'
2ND BONE SPRING SAND	10,515'	10,459'
3RD BONE SPRING LIME	10,673'	10,616'
3RD BONE SPRING SAND	11,393'	11,335'
WOLFCAMP TOP	11,762'	11,645'
WOLFCAMP X	11,805'	11,673'
WOLFCAMP Y	11,946'	11,752'
WOLFCAMP A	11,968'	11,762'

TOP TARGET

LANDING POINT

BASE TARGET

RIG KB: 25.5'

20" CONDUCTOR SET @ 105'

SURFACE SPUDDED @ 0330HRS 6/12/2019

13-3/8" SET AT 494.7'

9-5/8" SET @ 5,220'

KICK-OFF POINT @ 11,273'

7" SET @ 12,011'

LAND CURVE @ 12,247'

TD @

4-1/2" SET @

RIG RELEASE @

BROUGHT IN 0 BBLS OF FRESH WATER FOR FRAC TANKS - TOTAL 960 BBLS
BROUGHT IN 0 BBLS OF CITY WATER FOR CEMENT TANKS - TOTAL 1560 BBLS
BROUGHT IN 120 BBLS OF FRESH WATER FOR RIG TANK - TOTAL 1250 BBLS
HAULED TO DISPOSAL 0 BBLS DISPLACEMENT WATER - TOTAL 1060 BBLS

DAY DSM: IAN ENSELL

NIGHT DSM: CHRIS LINDLEY

DAILY COST						
Class	Code	Subcode	Description	Vendor	Daily Cost	Comment
	0652	8810	CASING (INT1)	B&L Pipe	0.00	9 5/8, 40# J-55 Casing \$25.78
	0652	8820	CASING (INT2)	B & L Pipeco Services	0.00	7" 29# VA-XP-P100 CASING \$24.80
	0652	8889	CASING (SURF)	B&L Pipe	0.00	13 3/8, 54.5# J-55 Casing \$35.84
	0652	8739	CASING/LINER (PROD)	B&L Pipe	0.00	4 1/2" 13.5# HCP110 CDC-HTQ \$12.96/ft
	0650	8790	CONTINGENCY	WPX Energy	6,291.67	8% overage
	0650	8757	DIRECTIONAL EQUIPMENT - SERVICES	MS Energy Services	9,875.00	Directional Daily Cost - (standby rate \$5300) ADJUSTMENTS MADE FOR END OF WELL COSTS
	0650	8758	DRILL FLUIDS & CHEMICALS - MATERIALS	Stellar Drilling Fluids	24,275.55	Mud materials and tax , Treated oil base mud in OBM tank farm
	0650	8989	DRILL FLUIDS & CHEMICALS - SERVICES	Stellar Drilling Fluids	1,003.45	24 hour Service 940.00 PLUS TAX PLUS BLOWER RENTAL \$45.00
	0650	8783	FLUID & CUTTINGS DISPOSAL	Republic Services	2,550.00	NO MORE DAILY RENTAL ALL IN ONE PRICE \$850 PER BIN (BIN SWAP) FROM MARCH
	0650	8823	LIVING FACILITIES & SANITATION	Black Diamond Oilfield Services	560.00	BLACK DIAMOND Camps 6 camps plus 1 transformer
	0650	8803	MAN CAMP	WPX Energy	80.00	Shared - Superintendent housing \$80 per day on each rig
	0650	8837	MUD LOGGING	Field Geo Services Inc	1,620.00	Mud Loggers (\$1620 daily)
	0650	8868	RENTAL EQUIPMENT (DOWNHOLE)	Quail Tools LP	0.00	THREE XT39 PUP JTS 5',10',15'
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Sun Coast Resources Inc	0.00	Portable Fuel Tank
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	RENTAL ON LOADER (B & B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Safety Solutions LLC	70.00	Daily cost on H2S Monitoring System (\$70/day) (Safety)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	250.00	H&P RENTED LOADER AND MANLIFT
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Totco	738.50	EDR
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	600.00	Daily on 5 light plants (B AND B) \$60. ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	JST - Johnson Specialty Tools	800.00	DIESEL PW-\$45, OBM CONT-\$140, OBM FRAC \$35 X 6, 6X8 PUMP \$110, MUD VAC \$110, MUD BUCKET \$80, 6X6 PUMP \$85, MANIFOLDS \$20 X 1, WBM FRAC \$35 X 4 (NO MAGNETS)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	190.00	Daily on communications. \$190.00 / DAY
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	Premix Tank (B AND B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Black Diamond Oilfield Services	0.00	Camp Generator
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	420.00	FRAC TANK DAILY COST AND 1 OPEN TOP (ALL AT 30 A DAY)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	325.00	Daily rental for choke and flare line package \$325/day each
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Thomas Tools	127.00	INLINE SCREEN DAILY RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	50.00	2 PORTA-JOHNS \$25.ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	60.00	Daily on trash trailer (GLEZZ) \$30 ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	PRT Rental	200.00	Spacer Spool, 2 SETS OF VBR RAMS BOLTS - (\$200.0 Day)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Weatherford International Llc	670.00	WEATHERFORD ROTATING HEAD \$400, EXTRA BEARING, \$100, ORBIT VALVE, \$100, STRIPPING RUBBERS \$35 EA X 2. \$670 / DAY TOTAL
	0650	8760	RIG DAYWORK	Helmerich & Payne Inc.	24,923.04	Rig Operation Day Rate \$24,923 / DAY
	0650	8295	RIG MOVING RATE	Helmerich & Payne Inc.	0.00	Rig Mobilization Rate
	0650	8994	SOLIDS CONTROL - SERVICES	Kayden Industries	3,733.33	Solids Control Equipment and onsite Techs charges up to current (\$3,733.33 WBM). #,(\$3100 RIG UP.
	0650	8917	WELLSITE SUPERVISION	Crescent Consulting Llc	0.00	Supervision Nights- Jacob Hinojosa
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	2,000.00	Supervision- Ian Ensell
	0650	8917	WELLSITE SUPERVISION	WPX Energy	800.00	Shared superintendent/Foreman day rate for Keith Robert, Stan, Mark \$800 per day
	0650	8917	WELLSITE SUPERVISION	Lindley Consulting LLC	1,975.00	Supervision Nights- Chris Lindley
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	0.00	Supervision- Lance Fatheree
				Daily Total	84,937.54	
				Cumulative Total	2,294,714.42	

WPX Energy																	
Daily Drilling Report																	
WELL NAME:	UNIVERSITY 32-411H		AFE #:	190635		AFE \$:	3,513,250		LANDING PNT	12,011(usf		REPORT#:	19	DATE:	7/22/2019		
FIELD:	PHANTOM		SIDETRACK:	00		DAILY COST \$:	102,572		LATERAL SEC:	0.00		DFS:	15.39				
EVENT:	DRILLING		LOCATION:			CUM COST \$:	2,398,028		TD (MD):	15,070.0		LITHOLOGY:					
OBJECTIVE:	DEVELOPMENT		CTY,ST:	WINKLER,TEXAS		DAILY MUD	0		TD (TVD):	11,872.5		FORMATION:		Wolfcamp A			
ENGINEER:	Justin Barmore		ROT HRS:	23.50		CUM MUD	0		SPUD DATE::	6/12/2019		DIESEL (MUD DIESEL):		4,075 / 12,819			
TODAY'S DEPTH:		15,070 (usft)	CUM ROT:	189.50		+/- PLAN:			RR DATE :				DIESEL (RIG FUEL):		2,614 / 32,682		
PREV. DEPTH:		13,937 (usft)				RIG::		H&P 314				SUPERVISOR:		Ian Ensell			
PROGRESS:		1,133 (usft)	WEATHER: HIGH OF 95° LOW OF 69°									SUPERVISOR PH. #:		1-405-423-1705			
PRESENT OPERATION:		DRILLING 6.125" LATERAL @ 15,440'															
OPERATION FORECAST:		DRILL 6.125" LATERAL TO TD AND CIRCULATE HOLE CLEAN.															
CSG / WELL CONTROL			DRLG DATA				DOWNTIME:			BIT RECORD							
LAST CASING:		7.000(in)	ST WT UP	240.0	PRESS	5,400.00	LOSS TIME (hrs):		20.00		BIT #	6	RPM	0			
DEPTH:		12,011(usft)	ST WT DN	140.0	RATE	320.0	LOSS TIME INC:		6.00		SIZE	6-1/8 (")		HHP	23.47		
LAST BOP:		7/19/2019	ST WT ROT	185.0	DP AV		NEAR MISSES:		0.00		TYPE	GT54D		P BIT	125.73		
LOT EMW:			TQ ON BTM	12,000.0	DC AV		24 HR RIG DOWN:		0.00		JETS	5-16					
WEIGHT LB/FT:		29(ppf)	TQ OFF BTM	6,000.0			CUM RIG DOWN		1.50		DEPTH IN	12,026.0					
CONN:		BTC									DEPTH OUT						
PUMP DATA													DULL CONDITION				
PUMP #	MANU			LINER		STROKE		PRESSURE		GPM							
1	GARDENER-DENVER			5.000		11		6,000.00		159.9							
2	GARDENER-DENVER			5.000		11		6,000.00		159.9							
3	GARDENER-DENVER			5.000		11											
SURVEY DATA																	
MD	INCL	AZIM	TVD	N/S(-)	E/W(-)	VS	DLS										
14,992.00	87.70	344.40	11,869.34	2,647.14	-1,596.32	2,647.14	3.19										
14,898.00	87.70	347.40	11,865.57	2,556.05	-1,573.44	2,556.05	2.80										
14,803.00	85.50	348.90	11,859.93	2,463.25	-1,553.97	2,463.25	0.95										
14,708.00	86.40	349.00	11,853.22	2,370.24	-1,535.80	2,370.24	5.22										
14,613.00	90.10	345.70	11,850.32	2,277.62	-1,515.01	2,277.62	7.07										
MUD ADDITIVES																	
PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT			
MUD DATA																	
Date: 7/22/2019 6:00:00PM		MUD TYPE INVERT		CHECK DEPTH 14,855		FL TEMP 133.00		WATER 15.00 (%)		OIL 61.00 (%)		SAND (%)					
GELS (10.0/19.0		Filter Cak 2.0 (32nd")		HTHP 10.0		MW 12.85		VISC 52.00		TEMP 150.00		ECD 14.64					
PV/YP 19.0/10.0		MBT		pH Pm		Pf Mf		Cl-		Total Hard		K+					
Lubricant %		ES 538.0		WPS 267,489		CaCl2 26.8		WATER 20.00 (%)		OIL 80.00 (%)		HGS 16.57 (%)					
LGS 5.98 (%)		SOLIDS 22.55 (%)															
COMMENTS																	
MUD GAS DATA																	
CONNECTION MAX				7,764.00		TRIP MAX				BACKGROUND MAX				7,934.00			
CURRENT BHA																	
DESCRIPTION		NUMBER	LENGTH	DRILL ROT		DRILL SLIDE		P/U	S/O	ROT	TORQUE	OD	ID	TOP CON SIZE			
			7,178.42	1,133.00				240.00	140.00	185.0	12,000.0						
Heavy Weight Drill Pipe		0	1,383.18	(15 Stands) HWDP										4.00	2.56	4.00	
Drill Pipe		1	5,687.27	(60 Stds) 4" Push Pipe										4.00	3.34	4.00	
Cross Over		2	2.59	3 1/2IF x 4" XT39										4.84	2.19	3.50	
Filter		3	6.50	4 3/4" Filter Sub										4.75	2.25	3.50	
Non-Mag Drill Collar		4	28.31	4 3/4" NMDC										4.84	2.75	3.50	
Non-Mag Drill Collar		5	30.37	4 3/4" NMDC W/ MWD										4.84	2.75	3.50	
Universal Bottom Hole Orienter		6	4.81	4 3/4" UBHO (SS 1.92)										4.56	2.50	3.50	
Integral Blade Stabilizer		7	4.99	5 7/8" STAB W/ FLOAT										4.75	2.19	3.50	
Bent Housing		8	29.40	5", 5/6, 6.7, 0.63 RPG, SET @ 1.5° FXD SLICK W/ FLOAT										4.99		3.50	
Polycrystalline Diamond Bit		9	1.00	6 1/8" SECURITY GT54D 5X16'S										6.13			
BHA HRS 59.50		MTR HRS 59.50															
JAR HRS		MWD Hrs 59.50															
OPERATIONS (00:00)																	
OPERATION COMMENT			DRILL 6.125" LATERAL SECTION F/ 13,937' T/ 14,762'. RIG SERVICE. DRILL 6.125" LATERAL SECTION F/ 14,762' T/ 15,070'														
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS										
00:00	12:00	13,937.00	14,600.00	02	P	DRLPRO	DRILL 6.125" LATERAL SECTION FROM 13,937' T/14,600' 663' @ 55.25 FPH WOB: 24-32, 320 GPM, 5600 PSI ON, 5200 PSI OFF, 85 RPM, 11K TORQUE ON, 6K TORQUE OFF PU 230K, SO 130K, ROT 185K SURVEY EVERY 93' MUD WEIGHT: 12.8 PPG IN, 12.8 PPG OUT HEAVY AZMUTHAL PUSH TO LEFT, SLID 100% AFTER TRYING 15 AND 20 FOOT SLIDES, CHECKSHOTS EVERY 30' UNTIL REGAINED CONTROL OF AZM										
12:00	15:30	14,600.00	14,762.00	02	P	DRLPRO	DRILL 6.125" LATERAL SECTION F/ 14,600' T/ 14,762' 162' @ 46.3 FPH WOB: 24-32, 320 GPM, 5600 PSI ON, 5200 PSI OFF, 85 RPM, 11K TORQUE ON, 6K TORQUE OFF PU 240K, SO 130K, ROT 185K SURVEY EVERY 93' MUD WEIGHT: 12.8+ PPG IN, 12.9 PPG OUT										
15:30	16:00	14,762.00	14,762.00	07	P	DRLPRO	RIG SERVICE - GREASE BLOCKS AND TOPDRIVE. C/O BAD O-RING ON TOPDRIVE. CLEAN INLINE SCREEN										

OPERATIONS (00:00)							
OPERATION COMMENT				DRILL 6.125" LATERAL SECTION F/ 13,937' T/ 14,762'. RIG SERVICE. DRILL 6.125" LATERAL SECTION F/ 14,762' T/ 15,070'			
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS
16:00	00:00	14,762.00	15,070.00	02	P	DRLPRO	DRILL 6.125" LATERAL SECTION F/ 14,762' T/ 15,070' 308' @ 38.5 FPH WOB: 24-30, 320 GPM, 6000 PSI ON, 5500 PSI OFF, 85 RPM, 12K TORQUE ON, 6K TORQUE OFF PU 240K, SO 130K, ROT 185K SURVEY EVERY 93' MUD WEIGHT: 13.0 PPG IN, 13.0 PPG OUT
24 HOUR SUMMARY							
UNIVERISTY 32 #411H DFS: 15.39 DOL: 44.00 DRILLS / HSE: BOTH CREWS PERFORMED BOP DRILLS. IN POSITION IN 50 SECONDS REGULATORY: N/A SAFETY TOPIC: HAZARD HUNTS. BODY POSITION AND PINCH POINTS. RIGHT TOOL FOR THE JOB NPT Daily: 0 HR NPT Gross: 20 HR CURRENT OPS: DRILLING 6.125" LATERAL @ 15,440' 24 HR SUMMARY: DRILL 6.125" LATERAL SECTION F/ 13,937' T/ 14,762'. RIG SERVICE. DRILL 6.125" LATERAL SECTION F/ 14,762' T/ 15,070' FOOTAGE LAST 24 HRS: 1,133' ROP: 48.2 FPH ROTATE: 869' 76.7% SLIDE: 264' 23.3% LAST SURVEY: 15,372', INC: 89.0°, AZM: 341.6°, TVD: 11,873.07', DLS: 0.97° BIT PROJECTION: 15,426', INC: 89.0°, AZM: 341.6°, 6' BELOW & 22' LEFT MUD PROPERTIES: MW: 12.85, VIS: 52, YP: 10, O/W: 80/20, LGS: 5.98, WPS: 267,489, ES: 538, 6/3: 7/6 LAST LITHOLOGY: @ 15,250' - 100% SHALE, TR% LIMESTONE FORMATION TOPS: BELL CANYON (BASE OF SALT) MD 5,157' TVD 5,133' CHERRY CANYON 6,837' 6,352' BRUSHY CANYON 7,489' 7,442' BONE SPRING 8,771' 8,715' AVALON 8,811' 8,755' 1ST BONE SPRING SAND 9,791' 9,735' 2ND BONE SPRING LIME 9,917' 9,861' 2ND BONE SPRING SAND 10,515' 10,459' 3RD BONE SPRING LIME 10,673' 10,616' 3RD BONE SPRING SAND 11,393' 11,335' WOLFCAMP TOP 11,762' 11,645' WOLFCAMP X 11,805' 11,673' WOLFCAMP Y 11,946' 11,752' WOLFCAMP A 11,968' 11,762' TOP TARGET LANDING POINT BASE TARGET RIG KB: 25.5' 20" CONDUCTOR SET @ 105' SURFACE SPUDDDED @ 0330HRS 6/12/2019 13-3/8" SET AT 494.7' 9-5/8" SET @ 5,220' KICK-OFF POINT @ 11,273' 7" SET @ 12,011' LAND CURVE @ 12,247' TD @ 4-1/2" SET @ RIG RELEASE @ BROUGHT IN 0 BBLS OF FRESH WATER FOR FRAC TANKS - TOTAL 960 BBLS BROUGHT IN 0 BBLS OF CITY WATER FOR CEMENT TANKS - TOTAL 1560 BBLS BROUGHT IN 0 BBLS OF FRESH WATER FOR RIG TANK - TOTAL 1250 BBLS HAULED TO DISPOSAL 0 BBLS DISPLACEMENT WATER - TOTAL 1060 BBLS DAY DSM: IAN ENSELL NIGHT DSM: CHRIS LINDLEY							

DAILY COST						
Class	Code	Subcode	Description	Vendor	Daily Cost	Comment
	0650	8730	ACCESS & LOCATION - SERVICES	Felix Energy	1,114.10	WATER FOR LEASE ROAD #104
	0652	8810	CASING (INT1)	B&L Pipe	0.00	9 5/8, 40# J-55 Casing \$25.78
	0652	8820	CASING (INT2)	B & L Pipeco Services	0.00	7" 29# VA-XP-P100 CASING \$24.80
	0652	8889	CASING (SURF)	B&L Pipe	0.00	13 3/8, 54.5# J-55 Casing \$35.84
	0652	8739	CASING/LINER (PROD)	B&L Pipe	0.00	4 1/2" 13.5# HCP110 CDC-HTQ \$12.96/ft 8% overage
	0650	8790	CONTINGENCY	WPX Energy	7,597.96	
	0650	8757	DIRECTIONAL EQUIPMENT - SERVICES	MS Energy Services	9,400.00	Directional Daily Cost - (standby rate \$5300) ADJUSTMENTS MADE FOR END OF WELL COSTS
	0650	8758	DRILL FLUIDS & CHEMICALS - MATERIALS	Stellar Drilling Fluids	19,334.27	Mud materials and tax , Treated oil base mud in OBM tank farm
	0650	8989	DRILL FLUIDS & CHEMICALS - SERVICES	Stellar Drilling Fluids	1,003.45	24 hour Service 940.00 PLUS TAX PLUS BLOWER RENTAL \$45.00
	0650	8167	DYED DIESEL-MUD TANKS	Sun Coast Resources Inc	17,475.77	7059 GAL RIG DIESEL @ \$2.4749 / GAL #6030817
	0650	8783	FLUID & CUTTINGS DISPOSAL	Milestone Environmental Services,	275.00	WASHOUT #10-196899
	0650	8783	FLUID & CUTTINGS DISPOSAL	Republic Services	850.00	NO MORE DAILY RENTAL ALL IN ONE PRICE \$850 PER BIN (BIN SWAP) FROM MARCH
	0650	8823	LIVING FACILITIES & SANITATION	Black Diamond Oilfield Services	560.00	BLACK DIAMOND Camps 6 camps plus 1 transformer
	0650	8803	MAN CAMP	WPX Energy	80.00	Shared - Superintendant housing \$80 per day on each rig
	0650	8837	MUD LOGGING	Field Geo Services Inc	1,620.00	Mud Loggers (\$1620 daily)
	0650	8868	RENTAL EQUIPMENT (DOWNHOLE)	*New Vendor	4,350.00	6.75 AND 8" SHOCK SUBS - COUGAR
	0650	8868	RENTAL EQUIPMENT (DOWNHOLE)	Quail Tools LP	0.00	THREE XT39 PUP JTS 5',10',15' RETURNED TO QUAL ON 7/20/2019
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Thomas Tools	127.00	INLINE SCREEN DAILY RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	50.00	2 PORTA-JOHNS \$25.ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	250.00	H&P RENTED LOADER AND MANLIFT
	0650	8869	RENTAL EQUIPMENT (SURFACE)	PRT Rental	35.00	Spacer Spool
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	390.00	FRAC TANK DAILY COST AND 1 OPEN TOP (ALL AT 30 A DAY)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	RENTAL ON LOADER (B & B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	JST - Johnson Specialty Tools	1,020.00	DIESEL PW-\$45, OBM CONT-\$140, OBM FRAC \$35 X 6, 6X8 PUMP \$110, MUD VAC \$110, 6X6 PUMP \$85, MANIFOLDS \$20 X 1, WBM FRAC \$35 X 8 (NO MAGNETS)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	190.00	Daily on communications. \$190.00 / DAY
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Safety Solutions LLC	70.00	Daily cost on H2S Monitoring System (\$70/day) (Safety)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Weatherford International Llc	670.00	WEATHERFORD ROTATING HEAD \$400, EXTRA BEARING, \$100, ORBIT VALVE, \$100, STRIPPING RUBBERS \$35 EA X 2.
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	325.00	\$670 / DAY TOTAL Daily rental for choke and flare line package \$325/day each
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	600.00	Daily on 5 light plants (B AND B) \$60. ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	Premix Tank (B AND B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Totco	738.50	EDR
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	150.00	VBR RENTAL \$150 A DAY
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Sun Coast Resources Inc	0.00	Portable Fuel Tank
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Black Diamond Oilfield Services	0.00	Camp Generator
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	85.00	6X6 PUMP RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	30.00	Daily on trash trailer (GLEZZ) \$30 ea/day
	0650	8760	RIG DAYWORK	Helmerich & Payne Inc.	24,923.04	Rig Operation Day Rate \$24,923 / DAY
	0650	8295	RIG MOVING RATE	Helmerich & Payne Inc.	0.00	Rig Mobilization Rate
	0650	8994	SOLIDS CONTROL - SERVICES	Kayden Industries	3,733.33	Solids Control Equipment and onsite Techs charges up to current (\$3,733.33 WBM). #,(\$3100 RIG UP.
	0650	8917	WELLSITE SUPERVISION	WPX Energy	800.00	Shared superintendent/Foreman day rate for Keith Robert, Stan, Mark \$800 per day
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	0.00	Supervision- Lance Fatheree
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	2,000.00	Supervision- Ian Ensell
	0650	8917	WELLSITE SUPERVISION	Crescent Consulting Llc	0.00	Supervision Nights- Jacob Hinojosa
	0650	8917	WELLSITE SUPERVISION	Lindley Consulting LLC	1,975.00	Supervision Nights- Chris Lindley
				Daily Total	102,572.42	
				Cumulative Total	2,398,027.83	

WPX Energy																						
Daily Drilling Report																						
WELL NAME:	UNIVERSITY 32-411H		AFE #:	190635		AFE \$:	3,513,250		LANDING PNT	12,011(usf		REPORT#:	20		DATE:	7/23/2019						
FIELD:	PHANTOM		SIDETRACK:	00		DAILY COST \$:	102,941		LATERAL SEC:	0.00		DFS:	16.39									
EVENT:	DRILLING		LOCATION:			CUM COST \$:	2,500,969		TD (MD):	16,420.0		LITHOLOGY:										
OBJECTIVE:	DEVELOPMENT		CTY,ST:	WINKLER,TEXAS		DAILY MUD	0		TD (TVD):	11,874.4		FORMATION:		Wolfcamp A								
ENGINEER:	Justin Barmore		ROT HRS:	23.50		CUM MUD	0		SPUD DATE::	6/12/2019		DIESEL (MUD DIESEL):		3,198		/ 16,017						
TODAY'S DEPTH:		16,420 (usft)		CUM ROT:	213.00		+/- PLAN:			RR DATE :			DIESEL (RIG FUEL):		2,594 / 35,276							
PREV. DEPTH:		15,070 (usft)					RIG::		H&P 314			SUPERVISOR:		Ian Ensell								
PROGRESS:		1,350 (usft)		WEATHER: HIGH OF 92° LOW OF 65°								SUPERVISOR PH. #:		1-405-423-1705								
PRESENT OPERATION:		DRILLING 6.125" LATERAL @ 16,663'																				
OPERATION FORECAST:		DRILL LATERAL TO TD. PUMP SWEEPS AND CIRCULATE HOLE CLEAN. TOOHP, L/D DIRECTIONAL BHA, AND R/U CASING CREWS. RUN 4.5" 13.5# P-110 HC																				
CSG / WELL CONTROL			DRLG DATA				DOWNTIME:			BIT RECORD												
LAST CASING:		7.000(in)		ST WT UP	230.0		PRESS	5,700.00		LOSS TIME (hrs):		20.00		BIT #	6		RPM	0				
DEPTH:		12,011(usft)		ST WT DN	130.0		RATE	315.0		LOSS TIME INC:		6.00		SIZE	6-1/8 (")		HHP	22.39				
LAST BOP:		7/19/2019		ST WT ROT	185.0		DP AV			NEAR MISSES:		0.00		TYPE	GT54D		P BIT	121.84				
LOT EMW:				TQ ON BTM	13,000.0		DC AV			24 HR RIG DOWN:		0.00		JETS	5-16							
WEIGHT LB/FT:		29(ppf)		TQ OFF BTM	7,000.0					CUM RIG DOWN		1.50		DEPTH IN	12,026.0							
CONN:		BTC												DEPTH OUT								
PUMP DATA													ROP-last 24 l				57.4					
PUMP #	MANU			LINER		STROKE		PRESSURE		GPM			CUM. FT		4,394.0							
1	GARDENER-DENVER			5.000		11		6,400.00		159.9			CUM. HRS		83.00							
2	GARDENER-DENVER			5.000		11							ROP/Cum-ent		57.4							
3	GARDENER-DENVER			5.000		11		6,400.00		159.9			WOB		25.0-28.0							
SURVEY DATA													DULL CONDITION									
MD	INCL	AZIM	TVD	N/S(-)	E/W(-)	VS	DLS						I	O	D	L	B	R	G	T		
16,319.00	89.80	345.80	11,874.08	3,917.98	-1,976.08	3,917.98	1.63															
16,225.00	91.30	345.50	11,874.98	3,826.92	-1,952.78	3,826.92	0.91															
16,130.00	90.80	344.80	11,876.72	3,735.11	-1,928.44	3,735.11	3.17															
16,035.00	87.80	344.50	11,875.56	3,643.51	-1,903.29	3,643.51	0.67															
15,940.00	88.20	345.00	11,872.24	3,551.92	-1,878.32	3,551.92	1.66															
MUD ADDITIVES																						
PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT								
MUD DATA																						
Date: 7/23/2019 6:00:00PM		MUD TYPE INVERT		CHECK DEPTH 16,102		FL TEMP 143.00		WATER 14.00 (%)		OIL 61.00 (%)		SAND (%)										
GELS (13.0/25.0		Filter Cak 2.0 (32nd")		HTHP 10.0		MW 13.05		VISC 57.00		TEMP 150.00		ECD 14.94										
PV/YP 24.0/10.0		MBT		pH Pm		Pf Mf		Cl-		Total Hard		K+										
Lubricant %		ES 744.0		WPS 269,483		CaCl2 27.0		WATER 19.00 (%)		OIL 81.00 (%)		HGS 16.57 (%)										
LGS 5.98 (%)		SOLIDS 22.55 (%)																				
COMMENTS																						
MUD GAS DATA																						
CONNECTION MAX				8,867.00				TRIP MAX								BACKGROUND MAX				1,009.00		
CURRENT BHA																						
DESCRIPTION		NUMBER	LENGTH	DRILL ROT		DRILL SLIDE		P/U	S/O	ROT	TORQUE	OD	ID	TOP CON SIZE								
			7,178.42	1,350.00				230.00	130.00	185.0	13,000.0											
Heavy Weight Drill Pipe		0	1,383.18	(15 Stands) HWDP										4.00	2.56	4.00						
Drill Pipe		1	5,687.27	(60 Stds) 4" Push Pipe										4.00	3.34	4.00						
Cross Over		2	2.59	3 1/2IF x 4" XT39										4.84	2.19	3.50						
Filter		3	6.50	4 3/4" Filter Sub										4.75	2.25	3.50						
Non-Mag Drill Collar		4	28.31	4 3/4" NMDC										4.84	2.75	3.50						
Non-Mag Drill Collar		5	30.37	4 3/4" NMDC W/ MWD										4.84	2.75	3.50						
Universal Bottom Hole Orienter		6	4.81	4 3/4" UBHO (SS 1.92)										4.56	2.50	3.50						
Integral Blade Stabilizer		7	4.99	5 7/8" STAB W/ FLOAT										4.75	2.19	3.50						
Bent Housing		8	29.40	5", 5/6, 6.7, 0.63 RPG, SET @ 1.5° FXD SLICK W/ FLOAT										4.99		3.50						
Polycrystalline Diamond Bit		9	1.00	6 1/8" SECURITY GT54D 5X16'S										6.13								
BHA HRS 83.00		MTR HRS 83.00																				
JAR HRS		MWD Hrs 83.00																				
OPERATIONS (00:00)																						
OPERATION COMMENT				DRILL 6.125" LATERAL SECTION F/ 15,070' T/ 16,089'. RIG SERVICE. DRILL 6.125" LATERAL SECTION F/ 16,089' T/ 16,420'																		
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS															
00:00	06:00	15,070.00	15,520.00	02	P	DRLPRO	DRILL 6.125" LATERAL SECTION F/ 15,070' T/ 15,520' 450' @ 75 FPH WOB: 26-28, 320 GPM, 6500 PSI ON, 5900 PSI OFF, 85 RPM, 13K TORQUE ON, 7K TORQUE OFF PU 230K, SO 140K, ROT 185K SURVEY EVERY 93' MUD WEIGHT: 13.0 PPG IN, 13.0 PPG OUT															
06:00	16:30	15,520.00	16,089.00	02	P	DRLPRO	DRILL 6.125" LATERAL SECTION F/ 15,520' T/ 16,089' 569' @ 54.2 FPH WOB: 26-28, 315 GPM, 6500 PSI ON, 5800 PSI OFF, 85 RPM, 12-13K TORQUE ON, 7K TORQUE OFF PU 230K, SO 140K, ROT 185K SURVEY EVERY 93' MUD WEIGHT: 13.+0 PPG IN, 13.0 PPG OUT															
16:30	17:00	16,089.00	16,089.00	07	P	DRLPRO	RIG SERVICE - GREASE BLOCKS AND TOPDRIVE. CLEAN INLINE SCREEN.															

OPERATIONS (00:00)							
OPERATION COMMENT				DRILL 6.125" LATERAL SECTION F/ 15,070' T/ 16,089'. RIG SERVICE. DRILL 6.125" LATERAL SECTION F/ 16,089' T/ 16,420'			
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS
17:00	00:00	16,089.00	16,420.00	02	P	DRLPRO	DRILL 6.125" LATERAL SECTION F/ 16,089' T/ 16,420' 331' @ 47.3 FPH WOB: 26-28, 315 GPM, 6500 PSI ON, 5800 PSI OFF, 85 RPM, 12-13K TORQUE ON, 7K TORQUE OFF PU 230K, SO 140K, ROT 185K SURVEY EVERY 93' MUD WEIGHT: 13.1+ PPG IN, 13.1 PPG OUT NOTE: INSPECTED 5" HWDP AND 6.5" DRILL COLLARS 29 - 5" HWDP SENT IN FOR REPAIRS 9 - 6.5" DRILL COLLARS SENT IN FOR REPAIRS
24 HOUR SUMMARY							
UNIVERISTY 32 #411H DFS: 16.39 DOL: 45.00 DRILLS / HSE: REGULATORY: N/A SAFETY TOPIC: LAST DAY, STAYING FOCUSED, VEHICLE SAFETY NPT Daily: 0 HR NPT Gross: 20 HR CURRENT OPS: DRILLING 6.125" LATERAL @ 16,663' 24 HR SUMMARY: DRILL 6.125" LATERAL SECTION F/ 15,070' T/ 16,089'. RIG SERVICE. DRILL 6.125" LATERAL SECTION F/ 16,089' T/ 16,420' FOOTAGE LAST 24 HRS: 1,350' ROP: 57.4 FPH ROTATE: 1,257' 93.1% SLIDE: 93' 6.1% LAST SURVEY: 16,603', INC: 87.4°, AZM: 344.3°, TVD: 11,880.01', DLS: 1.48° BIT PROJECTION: 16,657", INC: 87.4°, AZM: 344.3°, 5' BELOW & 11' LEFT MUD PROPERTIES: MW: 13.05, VIS: 57, YP: 10, O/W: 81/19, LGS: 6.45, WPS: 269,483, ES: 744, 6/3: 9/8 LAST LITHOLOGY: @ 16,635' - 70% SHALE, 30% LIMESTONE FORMATION TOPS: MD TVD BELL CANYON (BASE OF SALT) 5,157' 5,133' CHERRY CANYON 6,837' 6,352' BRUSHY CANYON 7,489' 7,442' BONE SPRING 8,771' 8,715' AVALON 8,811' 8,755' 1ST BONE SPRING SAND 9,791' 9,735' 2ND BONE SPRING LIME 9,917' 9,861' 2ND BONE SPRING SAND 10,515' 10,459' 3RD BONE SPRING LIME 10,673' 10,616' 3RD BONE SPRING SAND 11,393' 11,335' WOLFCAMP TOP 11,762' 11,645' WOLFCAMP X 11,805' 11,673' WOLFCAMP Y 11,946' 11,752' WOLFCAMP A 11,968' 11,762' TOP TARGET LANDING POINT BASE TARGET RIG KB: 25.5' 20" CONDUCTOR SET @ 105' SURFACE SPUDDED @ 0330HRS 6/12/2019 13-3/8" SET AT 494.7' 9-5/8" SET @ 5,220' KICK-OFF POINT @ 11,273' 7" SET @ 12,011' LAND CURVE @ 12,247' TD @ 4-1/2" SET @ RIG RELEASE @ BROUGHT IN 0 BBLS OF FRESH WATER FOR FRAC TANKS - TOTAL 960 BBLS BROUGHT IN 0 BBLS OF CITY WATER FOR CEMENT TANKS - TOTAL 1560 BBLS BROUGHT IN 0 BBLS OF FRESH WATER FOR RIG TANK - TOTAL 1250 BBLS HAULED TO DISPOSAL 0 BBLS DISPLACEMENT WATER - TOTAL 1060 BBLS DAY DSM: IAN ENSELL NIGHT DSM: CHRIS LINDLEY							

DAILY COST						
Class	Code	Subcode	Description	Vendor	Daily Cost	Comment
	0652	8810	CASING (INT1)	B&L Pipe	0.00	9 5/8, 40# J-55 Casing \$25.78
	0652	8820	CASING (INT2)	B & L Pipeco Services	0.00	7" 29# VA-XP-P100 CASING \$24.80
	0652	8889	CASING (SURF)	B&L Pipe	0.00	13 3/8, 54.5# J-55 Casing \$35.84
	0652	8739	CASING/LINER (PROD)	B&L Pipe	0.00	4 1/2" 13.5# HCP110 CDC-HTQ \$12.96/ft
	0650	8790	CONTINGENCY	WPX Energy	7,625.24	8% overage
	0650	8757	DIRECTIONAL EQUIPMENT - SERVICES	MS Energy Services	9,400.00	Directional Daily Cost - (standby rate \$5300) ADJUSTMENTS MADE FOR END OF WELL COSTS
	0650	8758	DRILL FLUIDS & CHEMICALS - MATERIALS	Stellar Drilling Fluids	19,334.27	Mud materials and tax , Treated oil base mud in OBM tank farm
	0650	8989	DRILL FLUIDS & CHEMICALS - SERVICES	Stellar Drilling Fluids	1,003.45	24 hour Service 940.00 PLUS TAX PLUS BLOWER RENTAL \$45.00
	0650	8166	DYED DIESEL	Sun Coast Resources Inc	16,518.66	7093 GAL RIG DIESEL @\$2.3281 / GAL #6030818
	0650	8783	FLUID & CUTTINGS DISPOSAL	Republic Services	1,700.00	NO MORE DAILY RENTAL ALL IN ONE PRICE \$850 PER BIN (BIN SWAP) FROM MARCH
	0650	8823	LIVING FACILITIES & SANITATION	Black Diamond Oilfield Services	560.00	BLACK DIAMOND Camps 6 camps plus 1 transformer
	0650	8803	MAN CAMP	WPX Energy	80.00	Shared - Superintendant housing \$80 per day on each rig
	0650	8837	MUD LOGGING	Field Geo Services Inc	1,620.00	Mud Loggers (\$1620 daily)
	0650	8868	RENTAL EQUIPMENT (DOWNHOLE)	Quail Tools LP	731.41	RENTAL ON PUP JTS #72-1361471
	0650	8868	RENTAL EQUIPMENT (DOWNHOLE)	Quail Tools LP	0.00	THREE XT39 PUP JTS 5',10',15' RETURNED TO QUAL ON 7/20/2019
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	250.00	H&P RENTED LOADER AND MANLIFT
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Thomas Tools	127.00	INLINE SCREEN DAILY RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Weatherford International Llc	670.00	WEATHERFORD ROTATING HEAD \$400, EXTRA BEARING, \$100, ORBIT VALVE, \$100, STRIPPING RUBBERS \$35 EA X 2.
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	325.00	\$670 / DAY TOTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Black Diamond Oilfield Services	0.00	Daily rental for choke and flare line package \$325/day each
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	190.00	Camp Generator
	0650	8869	RENTAL EQUIPMENT (SURFACE)	JST - Johnson Specialty Tools	1,020.00	Daily on communications. \$190.00 / DAY
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	1,275.00	DIESEL PW-\$45, OBM CONT-\$140, OBM FRAC \$35 X 6, 6X8 PUMP \$110, MUD VAC \$110, 6X6 PUMP \$85, MANIFOLDS \$20 X 1, WBM FRAC \$35 X 8 (NO MAGNETS)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	150.00	R/U COMMS #66530
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Safety Solutions LLC	70.00	VBR RENTAL \$150 A DAY
	0650	8869	RENTAL EQUIPMENT (SURFACE)	PRT Rental	35.00	Daily cost on H2S Monitoring System (\$70/day) (Safety)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	85.00	Spacer Spool
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Sun Coast Resources Inc	0.00	6X6 PUMP RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	600.00	Portable Fuel Tank
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	50.00	Daily on 5 light plants (B AND B) \$60. ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	2 PORTA-JOHNS \$25.ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	RENTAL ON LOADER (B & B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	30.00	Premix Tank (B AND B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	390.00	Daily on trash trailer (GLEZZ) \$30 ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Totco	738.50	FRAC TANK DAILY COST AND 1 OPEN TOP (ALL AT 30 A DAY)
	0650	8760	RIG DAYWORK	Helmerich & Payne Inc.	24,923.04	EDR
	0650	8295	RIG MOVING RATE	Helmerich & Payne Inc.	0.00	Rig Operation Day Rate \$24,923 / DAY
	0650	8994	SOLIDS CONTROL - SERVICES	Kayden Industries	3,733.33	Rig Mobilization Rate
	0650	8742	TRUCKING	Major League Trucking	1,684.00	Solids Control Equipment and onsite Techs charges up to current (\$3,733.33 WBM). #,(\$3100 RIG UP.
	0650	8742	TRUCKING	Acme Trucking	1,775.00	HAUL IN 29 JTS 5" HWDP FOR REPAIR TO HADCO #12315
	0650	8718	TUBULAR INSPECTION	*New Vendor	721.84	HAUL OUT LINER HANGER, ALPHA SLEEVE, AND CEMENT HEAD. #8267406
	0650	8917	WELLSITE SUPERVISION	Crescent Consulting Llc	0.00	(DRILCO) INSPECT 6.5" DRILL COLLARS, 5" HWDP, AND SUBS #19204153726
	0650	8917	WELLSITE SUPERVISION	Lindley Consulting LLC	1,975.00	Supervision Nights- Jacob Hinojosa
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	2,000.00	Supervision Nights- Chris Lindley
	0650	8917	WELLSITE SUPERVISION	WPX Energy	800.00	Supervision- Ian Ensell
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	0.00	Shared superintendant/Foreman day rate for Keith Robert, Stan, Mark \$800 per day
				Daily Total	102,940.74	
				Cumulative Total	2,500,968.57	

WPX Energy

Daily Drilling Report

WELL NAME:	UNIVERSITY 32-411H	AFE #:	190635	AFE \$:	3,513,250	LANDING PNT	12,011(usf	REPORT#:	21	DATE:	7/24/2019						
FIELD:	PHANTOM	SIDETRACK:	00	DAILY COST \$:	78,243	LATERAL SEC:	4,643.00	DFS:	17.39								
EVENT:	DRILLING	LOCATION:		CUM COST \$:	2,579,212	TD (MD):	16,890.0	LITHOLOGY:									
OBJECTIVE:	DEVELOPMENT	CTY,ST:	WINKLER,TEXAS	DAILY MUD	0	TD (TVD):	11,884.6	FORMATION:		Wolfcamp A							
ENGINEER:	Justin Barmore	ROT HRS:	10.00	CUM MUD	0	SPUD DATE::	6/12/2019	DIESEL (MUD DIESEL):	1,329	/	17,346						
TODAY'S DEPTH:	16,890 (usft)	CUM ROT:	223.00	+/- PLAN:		RR DATE :		DIESEL (RIG FUEL):	1,985	/	37,261						
PREV. DEPTH:	16,420 (usft)			RIG::	H&P 314			SUPERVISOR:	Ian Ensell								
PROGRESS:	470 (usft)	WEATHER: CURRENTLY CLEAR 68° HIGHS UPPER 90°S.						SUPERVISOR PH. #:	1-405-423-1705								
PRESENT OPERATION:	TOOH AT 9,000'																
OPERATION FORECAST:	CONT TOOH TO L/D BHA, R/U CASING CREW, RUN LINER AND CEMENT SAME.																
CSG / WELL CONTROL		DRLG DATA				DOWNTIME:		BIT RECORD									
LAST CASING:	7.000(in)	ST WT UP	230.0	PRESS	6,400.00	LOSS TIME (hrs):	20.00	BIT #	6	RPM	0						
DEPTH:	12,011(usft)	ST WT DN	130.0	RATE	319.8	LOSS TIME INC:	6.00	SIZE	6-1/8 (")	HHP	24.24						
LAST BOP:	7/19/2019	ST WT ROT	185.0	DP AV		NEAR MISSES:	0.00	TYPE	GT54D	P BIT	129.95						
LOT EMW:		TQ ON BTM	13,000.0	DC AV		24 HR RIG DOWN:	0.00	JETS	5-16								
WEIGHT LB/FT:	29(ppf)	TQ OFF BTM	7,000.0			CUM RIG DOWN	1.50	DEPTH IN	12,026.0								
CONN:	BTC							DEPTH OUT	16,890								
PUMP DATA								ROP-last 24 I	47.0								
PUMP #	MANU		LINER	STROKE	PRESSURE	GPM	CUM. FT	4,864.0									
1	GARDENER-DENVER		5.000	11	6,400.00	159.9	CUM. HRS	93.00									
2	GARDENER-DENVER		5.000	11	6,400.00	159.9	ROP/Cum-ent	47.0									
3	GARDENER-DENVER		5.000	11	0.00	0.0	WOB	25.0-28.0									
SURVEY DATA								DULL CONDITION									
MD	INCL	AZIM	TVD	N/S(-)	E/W(-)	VS	DLS	I	O	D	L	B	R	G	T		
16,836.00	89.20	343.00	11,883.89	4,415.81	-2,114.67	4,415.81	6.30								-		
16,792.00	91.70	344.20	11,884.23	4,373.61	-2,102.25	4,373.61	4.21										
16,698.00	87.90	343.10	11,883.91	4,283.43	-2,075.79	4,283.43	1.37										
16,603.00	87.40	344.30	11,880.01	4,192.33	-2,049.15	4,192.33	1.48										
16,509.00	88.60	345.00	11,876.73	4,101.74	-2,024.28	4,101.74	0.67										
MUD ADDITIVES																	
PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT			
MUD DATA																	
Date: 7/24/2019 6:00:00PM		MUD TYPE INVERT		CHECK DEPTH 16,890		FL TEMP 136.00		WATER 13.50 (%)		OIL 60.50 (%)		SAND (%)					
GELS (12.0/23.0		Filter Cak 2.0 (32nd")		HTHP 10.0		MW 13.30		VISC 58.00		TEMP 150.00		ECD					
PV/YP 23.0/10.0		MBT		pH Pm		Pf Mf		Cl-		Total Hard		K+					
Lubricant %		ES 745.0		WPS 264,365		CaCl2 26.4		WATER 18.00 (%)		OIL 82.00 (%)		HGS 18.11 (%)					
LGS 6.60 (%)		SOLIDS 26.00 (%)															
COMMENTS																	
MUD GAS DATA																	
CONNECTION MAX			8,574.00			TRIP MAX			0.00			BACKGROUND MAX			8,307.00		
CURRENT BHA																	
DESCRIPTION		NUMBER	LENGTH	DRILL ROT	DRILL SLIDE	P/U	S/O	ROT	TORQUE	OD	ID	TOP CON SIZE					
		6	7,178.42	470.00		230.00	130.00	185.0	13,000.0								
Heavy Weight Drill Pipe		0	1,383.18	(15 Stands) HWDP								4.00	2.56	4.00			
Drill Pipe		1	5,687.27	(60 Stds) 4" Push Pipe								4.00	3.34	4.00			
Cross Over		2	2.59	3 1/2IF x 4" XT39								4.84	2.19	3.50			
Filter		3	6.50	4 3/4" Filter Sub								4.75	2.25	3.50			
Non-Mag Drill Collar		4	28.31	4 3/4" NMDC								4.84	2.75	3.50			
Non-Mag Drill Collar		5	30.37	4 3/4" NMDC W/ MWD								4.84	2.75	3.50			
Universal Bottom Hole Orienter		6	4.81	4 3/4" UBHO (SS 1.92)								4.56	2.50	3.50			
Integral Blade Stabilizer		7	4.99	5 7/8" STAB W/ FLOAT								4.75	2.19	3.50			
Bent Housing		8	29.40	5", 5/6, 6.7, 0.63 RPG, SET @ 1.5° FXD SLICK W/ FLOAT								4.99		3.50			
Polycrystalline Diamond Bit		9	1.00	6 1/8" SECURITY GT54D 5X16'S								6.13					
BHA HRS 93.00		MTR HRS 93.00															
JAR HRS		MWD Hrs 93.00															
OPERATIONS (00:00)																	
OPERATION COMMENT			DRILL 6.125" LATERAL SECTION F/ 16,420' T/ TOTAL DEPTH AT 16,890'. PUMP 3 WEIGHTED SWEEPS AROUND. TOOH F/16,800' - T/14,850' - PULLED 5 STANDS WET MAX PULL 260K COMING OFF BOTTOM, NO ISSUES- PUMP SLUG CONTINUE PULLING TO 14,850' STARTED PULLING TIGHT. WORKING TIGHT HOLE F/14,850' - T/14,264' - MAX PULL 305K, SLACKING OFF TO 140K, WORKED EACH STAND UNTIL THEY PULLED CLEAN, PULLED THROUGH 2X EACH STAND, UNABLE TO WORK FREE @ 14,264' DECISION MADE TO SCREW IN AND REAM OUT. WASH AND REAM F/14,190' - T/12,000', 85 STROKES/MIN, 3500 PSI, MAX PULL 205K, ATTEMPTED TO PULL ON THE ELEVATORS AT 13,800', MAX PULL 300K UNABLE TO PULL ON ELEVATORS, CIRCULATING BOTTOMS UP AT THE SHOE 12,011' AT REPORT TIME.														
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS										
00:00	10:00	16,420.00	16,890.00	02	P	DRLPRO	DRILL 6.125" LATERAL SECTION F/ 16,420' T/ 16,890' TD' 470' @ 47 FPH WOB: 26-28, 315 GPM, 6400 PSI ON, 5800 PSI OFF, 85 RPM, 12-13K TORQUE ON, 7K TORQUE OFF PU 230K, SO 140K, ROT 185K SURVEY EVERY 93' MUD WEIGHT: 13.3 PPG IN, 13.3 PPG OUT										
10:00	10:30	16,890.00	16,890.00	05	P	F_PRO	CIRCULATE FIRST SWEEP AROUND SPM 120 GPM, GPM 320, 6300 PSI, L/D SINGLE DP										
10:30	11:30	16,890.00	16,890.00	21	P	F_PRO	DOWNLINK TO TOOL PER OFFICE - PUMP SWAB BLEW DURING DOWNLINK HAD TO RESTART, MS REQUESTED TO DOWNLINK AT TD TO TEST DOWNLINK ABILITY										
11:30	14:00	16,890.00	16,890.00	05	P	F_PRO	CIRCULATE 2 HIGH WEIGHT SWEEPS AROUND 2# OVER 25 BBL SWEEPS, FIRST SWEEP BROUGHT BACK 30% INCREASE IN COFFEE GROUND CUTTINGS, SECOND BROUGHT BACK 5% INCREASE IN SAME SIZE CUTTINGS, 110 SPM, 290 GPM, 5600 PSI, UP WITH NO ROTARY @ 100 FPM AND DOWN WITH 85 RPM TORQUE PRIOR TO CLEAN UP 8K AFTER 7K										
14:00	15:30	16,890.00	16,890.00	06	P	F_PRO	TOOH F/16,800' - T/14,850' - PULLED 5 STANDS WET MAX PULL 260K COMING OFF BOTTOM, NO ISSUES- PUMP SLUG CONTINUE PULLING TO 14,850' STARTED PULLING TIGHT										

Printed:

07/25/2019 5:33:34AM

OPERATIONS (00:00)							
OPERATION COMMENT		DRILL 6.125" LATERAL SECTION F/ 16,420' T/ TOTAL DEPTH AT 16,890'. PUMP 3 WEIGHTED SWEEPS AROUND. TOOH F/16,800' - T/14,850' - PULLED 5 STANDS WET MAX PULL 260K COMING OFF BOTTOM, NO ISSUES- PUMP SLUG CONTINUE PULLING TO 14,850' STARTED PULLING TIGHT. WORKING TIGHT HOLE F/14,850' - T/14,264' - MAX PULL 305K, SLACKING OFF TO 140K, WORKED EACH STAND UNTIL THEY PULLED CLEAN, PULLED THROUGH 2X EACH STAND, UNABLE TO WORK FREE @ 14,264' DECISION MADE TO SCREW IN AND REAM OUT. WASH AND REAM F/14,190' - T/12,000', 85 STROKES/MIN, 3500 PSI, MAX PULL 205K, ATTEMPTED TO PULL ON THE ELEVATORS AT 13,800', MAX PULL 300K UNABLE TO PULL ON ELEVATORS, CIRCULATING BOTTOMS UP AT THE SHOE 12,011' AT REPORT TIME.					
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS
15:30	17:00	16,890.00	16,890.00	06	NP	F_PRO	WORKING TIGHT HOLE F/14,850' - T/14,264' - MAX PULL 305K, SLACKING OFF TO 140K, WORKED EACH STAND UNTIL THEY PULLED CLEAN, PULLED THROUGH 2X EACH STAND, UNABLE TO WORK FREE @ 14,264' DECISION MADE TO SCREW IN AND REAM OUT
17:00	19:30	16,890.00	16,890.00	06	NP	F_PRO	WORK TIGHT HOLE F/14,264' - T/14,190' - BRING PUMPS ONLINE VERIFY RETURNS- 70 STROKES/MIN, 1900 PSI, BEGAN TO PRESSURE UP TO 3500 PSI, LOWERED STROKES TO 30 STROKES AND TURNED ON ROTARY AT 50 RPM MAX TORQUE AT 12K, BROKE FREE TORQUE DOWN TO 5K, 900 PSI, INCREASED PUMP STROKES UP TO 85 STROKES/MIN, 3500 PSI, PUMPED SLUG OUT OF HOLE SLOWLY PICKING UP THROUGH TIGHT HOLE, ONCE SLUG WAS TO SURFACE RACKED BACK STAND, ATTEMPTED TO PULL ON THE HOOK MAX PULL 305K, UNABLE TO TOOH ON ELEVATORS DECISION MADE TO WASH REAM OUT
19:30	00:00	16,890.00	16,890.00	06	P	F_PRO	WASH AND REAM F/14,190' - T/12,000', 85 STROKES/MIN, 3500 PSI, MAX PULL 205K, ATTEMPTED TO PULL ON THE ELEVATORS AT 13,800', MAX PULL 300K UNABLE TO PULL ON ELEVATORS
24 HOUR SUMMARY							
UNIVERISTY 32 #411H DFS: 17.39 DOL: 46.00 DRILLS / HSE: REGULATORY: N/A SAFETY TOPIC: FIRST DAY & NIGHT BACK. DOUBLE CHECK EQUIPMENT, PROPER VALVE ALIGNMENT. DISCUSSING INCIDENTS AND HOW TO PREVENT NPT Daily: 4 HR NPT Gross: 24 HR CURRENT OPS: TOOH AT 9,000' 24 HR SUMMARY:DRILL 6.125" LATERAL SECTION F/ 16,420' T/ TOTAL DEPTH AT 16,890'. PUMP 3 WEIGHTED SWEEPS AROUND. TOOH F/16,800' - T/14,850' - PULLED 5 STANDS WET MAX PULL 260K COMING OFF BOTTOM, NO ISSUES- PUMP SLUG CONTINUE PULLING TO 14,850' STARTED PULLING TIGHT. WORKING TIGHT HOLE F/14,850' - T/14,264' - MAX PULL 305K, SLACKING OFF TO 140K, WORKED EACH STAND UNTIL THEY PULLED CLEAN, PULLED THROUGH 2X EACH STAND, UNABLE TO WORK FREE @ 14,264' DECISION MADE TO SCREW IN AND REAM OUT. WASH AND REAM F/14,190' - T/12,000', 85 STROKES/MIN, 3500 PSI, MAX PULL 205K, ATTEMPTED TO PULL ON THE ELEVATORS AT 13,800', MAX PULL 300K UNABLE TO PULL ON ELEVATORS, CIRCULATING BOTTOMS UP AT THE SHOE 12,011' AT REPORT TIME. FOOTAGE LAST 24 HRS: 470 ' ROP: 47.0 FPH ROTATE: 458' 97.45% SLIDE: 12' 2.55% LAST SURVEY: 16,836', INC: 89.2°, AZM: 343.0°, TVD: 11883.72', DLS: 6.30° BIT PROJECTION: 16,890', INC: 89.2°, AZM: 343.0°, 5' BELOW & 11' LEFT MUD PROPERTIES: MW: 13.3, VIS: 58, YP: 10, O/W: 82/18, LGS: 6.60, WPS: 264,365, ES: 745, 6/3: 10/9 LAST LITHOLOGY: 16850 - 16890 MD 100% SHALE FORMATION TOPS: MD TVD BELL CANYON (BASE OF SALT) 5,157' 5,133' CHERRY CANYON 6,837' 6,352' BRUSHY CANYON 7,489' 7,442' BONE SPRING 8,771' 8,715' AVALON 8,811' 8,755' 1ST BONE SPRING SAND 9,791' 9,735' 2ND BONE SPRING LIME 9,917' 9,861' 2ND BONE SPRING SAND 10,515' 10,459' 3RD BONE SPRING LIME 10,673' 10,616' 3RD BONE SPRING SAND 11,393' 11,335' WOLFCAMP TOP 11,762' 11,645' WOLFCAMP X 11,805' 11,673' WOLFCAMP Y 11,946' 11,752' WOLFCAMP A 11,968' 11,762' TOP TARGET LANDING POINT BASE TARGET RIG KB: 25.5' 20" CONDUCTOR SET @ 105' SURFACE SPUDDED @ 0330HRS 6/12/2019 13-3/8" SET AT 494.7' 9-5/8" SET @ 5,220' KICK-OFF POINT @ 11,273' 7" SET @ 12,011' LAND CURVE @ 12,247' TD @ 16,890' @ 10:00 7/24/2019 4-1/2" SET @ RIG RELEASE @ BROUGHT IN 610 BBLS OF FRESH WATER FOR FRAC TANKS - TOTAL1570 BBLS BROUGHT IN 0 BBLS OF CITY WATER FOR CEMENT TANKS - TOTAL 1560 BBLS BROUGHT IN 0 BBLS OF FRESH WATER FOR RIG TANK - TOTAL 1250 BBLS HAULED TO DISPOSAL 0 BBLS DISPLACEMENT WATER - TOTAL 1060 BBLS DAY DSM: IAN ENSELL NIGHT DSM: JACOB HINOJOSA							

DAILY COST						
Class	Code	Subcode	Description	Vendor	Daily Cost	Comment
	0652	8810	CASING (INT1)	B&L Pipe	0.00	9 5/8, 40# J-55 Casing \$25.78
	0652	8820	CASING (INT2)	B & L Pipeco Services	0.00	7" 29# VA-XP-P100 CASING \$24.80
	0652	8889	CASING (SURF)	B&L Pipe	0.00	13 3/8, 54.5# J-55 Casing \$35.84
	0652	8739	CASING/LINER (PROD)	B&L Pipe	0.00	4 1/2" 13.5# HCP110 CDC-HTQ \$12.96/ft
	0650	8790	CONTINGENCY	WPX Energy	5,795.77	8% overage
	0650	8757	DIRECTIONAL EQUIPMENT - SERVICES	MS Energy Services	9,400.00	Directional Daily Cost - (standby rate \$5300) ADJUSTMENTS MADE FOR END OF WELL COSTS
	0650	8758	DRILL FLUIDS & CHEMICALS - MATERIALS	Stellar Drilling Fluids	15,258.85	Mud materials and tax , Treated oil base mud in OBM tank farm
	0650	8989	DRILL FLUIDS & CHEMICALS - SERVICES	Stellar Drilling Fluids	1,003.45	24 hour Service 940.00 PLUS TAX PLUS BLOWER RENTAL \$45.00
	0650	8783	FLUID & CUTTINGS DISPOSAL	Republic Services	4,250.00	NO MORE DAILY RENTAL ALL IN ONE PRICE \$850 PER BIN (BIN SWAP) FROM MARCH
	0650	8823	LIVING FACILITIES & SANITATION	Black Diamond Oilfield Services	560.00	BLACK DIAMOND Camps 6 camps plus 1 transformer
	0650	8803	MAN CAMP	WPX Energy	80.00	Shared - Superintendant housing \$80 per day on each rig
	0650	8837	MUD LOGGING	Field Geo Services Inc	1,620.00	Mud Loggers (\$1620 daily)
	0650	8868	RENTAL EQUIPMENT (DOWNHOLE)	Quail Tools LP	0.00	THREE XT39 PUP JTS 5',10',15' RETURNED TO QUAL ON 7/20/2019
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	50.00	2 PORTA-JOHNS \$25.ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	250.00	H&P RENTED LOADER AND MANLIFT
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	600.00	Daily on 5 light plants (B AND B) \$60. ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	325.00	Daily rental for choke and flare line package \$325/day each
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	85.00	6X6 PUMP RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Weatherford International Llc	670.00	WEATHERFORD ROTATING HEAD \$400, EXTRA BEARING, \$100, ORBIT VALVE, \$100, STRIPPING RUBBERS \$35 EA X 2. \$670 / DAY TOTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Black Diamond Oilfield Services	0.00	Camp Generator
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	RENTAL ON LOADER (B & B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Sun Coast Resources Inc	0.00	Portable Fuel Tank
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Safety Solutions LLC	70.00	Daily cost on H2S Monitoring System (\$70/day) (Safety)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	Premix Tank (B AND B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Thomas Tools	127.00	INLINE SCREEN DAILY RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	JST - Johnson Specialty Tools	1,020.00	DIESEL PW-\$45, OBM CONT-\$140, OBM FRAC \$35 X 6, 6X8 PUMP \$110, MUD VAC \$110, 6X6 PUMP \$85, MANIFOLDS \$20 X 1, WBM FRAC \$35 X 8 (NO MAGNETS)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	PRT Rental	35.00	Spacer Spool
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	390.00	FRAC TANK DAILY COST AND 1 OPEN TOP (ALL AT 30 A DAY)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	150.00	VBR RENTAL \$150 A DAY
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	190.00	Daily on communications. \$190.00 / DAY
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	30.00	Daily on trash trailer (GLEZZ) \$30 ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Totco	738.50	EDR
	0650	8760	RIG DAYWORK	Helmerich & Payne Inc.	24,923.04	Rig Operation Day Rate \$24,923 / DAY
	0650	8295	RIG MOVING RATE	Helmerich & Payne Inc.	0.00	Rig Mobilization Rate
	0650	8994	SOLIDS CONTROL - SERVICES	Kayden Industries	3,733.33	Solids Control Equipment and onsite Techs charges up to current (\$3,733.33 WBM). #,(\$3100 RIG UP.
	0650	8742	TRUCKING	Major League Trucking	1,363.00	9 JTS OF 6 1/2 DC TO HADCO INV#12316 A
	0650	8917	WELLSITE SUPERVISION	WPX Energy	800.00	Shared superintendant/Foreman day rate for Keith Robert, Stan, Mark \$800 per day
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	0.00	Supervision- Lance Fatheree
	0650	8917	WELLSITE SUPERVISION	Crescent Consulting Llc	1,975.00	Supervision Nights- Jacob Hinojosa
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	2,000.00	Supervision- Ian Ensell
	0650	8917	WELLSITE SUPERVISION	Lindley Consulting LLC	0.00	Supervision Nights- Chris Lindley
				Daily Total	78,242.94	
				Cumulative Total	2,579,211.52	

WPX Energy

Daily Drilling Report

WELL NAME:	UNIVERSITY 32-411H	AFE #:	190635	AFE \$:	3,513,250	LANDING PNT	12,011(usf	REPORT#:	22	DATE:	7/25/2019						
FIELD:	PHANTOM	SIDETRACK:	00	DAILY COST \$:	203,389	LATERAL SEC:	4,643.00	DFS:	18.39								
EVENT:	DRILLING	LOCATION:		CUM COST \$:	2,782,601	TD (MD):	16,890.0	LITHOLOGY:									
OBJECTIVE:	DEVELOPMENT	CTY,ST:	WINKLER,TEXAS	DAILY MUD	0	TD (TVD):	11,884.6	FORMATION:		Wolfcamp A							
ENGINEER:	Justin Barmore	ROT HRS:	0.00	CUM MUD	0	SPUD DATE::	6/12/2019	DIESEL (MUD DIESEL):	156	/	17,502						
TODAY'S DEPTH:	16,890 (usft)	CUM ROT:	223.00	+/- PLAN:		RR DATE :		DIESEL (RIG FUEL):	777	/	38,038						
PREV. DEPTH:	16,890 (usft)			RIG::	H&P 314			SUPERVISOR:	Ian Ensell								
PROGRESS:	(usft)	WEATHER: CURRENTLY CLEAR 72°HIGHS IN THE 90°S.						SUPERVISOR PH. #:	1-405-423-1705								
PRESENT OPERATION:	TIH W LINER ON DRILL PIPE AT 15,020'																
OPERATION FORECAST:	CONTINUE TIH WITH LINER ON DRILL PIPE, LAND OUT LINER, CEMENT LINER AS PER PROGRAM, CIRCULATE OFF CEMENT, DISPLACE WELL WITH BRIN																
CSG / WELL CONTROL		DRLG DATA				DOWNTIME:		BIT RECORD									
LAST CASING:	7.000(in)	ST WT UP		PRESS		LOSS TIME (hrs):	24.00	BIT #		RPM							
DEPTH:	12,011(usft)	ST WT DN		RATE		LOSS TIME INC:	7.00	SIZE		HHP							
LAST BOP:	7/19/2019	ST WT ROT		DP AV		NEAR MISSES:	0.00	TYPE		P BIT							
LOT EMW:		TQ ON BTM		DC AV		24 HR RIG DOWN:	0.00	JETS	-								
WEIGHT LB/FT:	29(ppf)	TQ OFF BTM				CUM RIG DOWN	1.50	DEPTH IN									
CONN:	BTC							DEPTH OUT									
PUMP DATA								ROP-last 24 I									
PUMP #	MANU		LINER		STROKE		PRESSURE		GPM		CUM. FT						
1	GARDENER-DENVER		5.000		11		600.00		79.9		CUM. HRS						
2	GARDENER-DENVER		5.000		11		0.00		0.0		ROP/Cum-ent						
3	GARDENER-DENVER		5.000		11		0.00		0.0		WOB						
SURVEY DATA								DULL CONDITION									
MD	INCL	AZIM	TVD	N/S(-)	E/W(-)	VS	DLS	I	O	D	L	B	R	G	T		
16,836.00	89.20	343.00	11,883.89	4,415.81	-2,114.67	4,415.81	6.30								-		
16,792.00	91.70	344.20	11,884.23	4,373.61	-2,102.25	4,373.61	4.21										
16,698.00	87.90	343.10	11,883.91	4,283.43	-2,075.79	4,283.43	1.37										
16,603.00	87.40	344.30	11,880.01	4,192.33	-2,049.15	4,192.33	1.48										
16,509.00	88.60	345.00	11,876.73	4,101.74	-2,024.28	4,101.74	0.67										
MUD ADDITIVES																	
PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT			
MUD DATA																	
Date: 7/25/2019 6:00:00PM		MUD TYPE INVERT		CHECK DEPTH 16,890		FL TEMP		WATER 14.00 (%)		OIL 60.50 (%)		SAND (%)					
GELS (12.0/22.0		Filter Cak 2.0 (32nd")		HTHP 10.0		MW 13.35		VISC 60.00		TEMP 150.00		ECD					
PV/YP 23.0/12.0		MBT		pH Pm		Pf Mf		Cl-		Total Hard		K+					
Lubricant %		ES 740.0		WPS 251,137		CaCl2 25.1		WATER 19.00 (%)		OIL 81.00 (%)		HGS 19.05 (%)					
LGS 5.22 (%)		SOLIDS 25.50 (%)															
COMMENTS																	
MUD GAS DATA																	
CONNECTION MAX				0.00		TRIP MAX				0.00		BACKGROUND MAX				0.00	
CURRENT BHA																	
DESCRIPTION		NUMBER	LENGTH	DRILL ROT	DRILL SLIDE	P/U	S/O	ROT	TORQUE	OD	ID	TOP CON SIZE					
		6	7,178.42														
Heavy Weight Drill Pipe		0	1,383.18	(15 Stands) HWDP						4.00	2.56	4.00					
Drill Pipe		1	5,687.27	(60 Stds) 4" Push Pipe						4.00	3.34	4.00					
Cross Over		2	2.59	3 1/2IF x 4" XT39						4.84	2.19	3.50					
Filter		3	6.50	4 3/4" Filter Sub						4.75	2.25	3.50					
Non-Mag Drill Collar		4	28.31	4 3/4" NMDC						4.84	2.75	3.50					
Non-Mag Drill Collar		5	30.37	4 3/4" NMDC W/ MWD						4.84	2.75	3.50					
Universal Bottom Hole Orienter		6	4.81	4 3/4" UBHO (SS 1.92)						4.56	2.50	3.50					
Integral Blade Stabilizer		7	4.99	5 7/8" STAB W/ FLOAT						4.75	2.19	3.50					
Bent Housing		8	29.40	5", 5/6, 6.7, 0.63 RPG, SET @ 1.5° FXD SLICK W/ FLOAT						4.99		3.50					
Polycrystalline Diamond Bit		9	1.00	6 1/8" SECURITY GT54D 5X16'S						6.13							
BHA HRS 0.00		MTR HRS 0.00															
JAR HRS		MWD Hrs 0.00															
OPERATIONS (00:00)																	
OPERATION COMMENT			CONTINUED TO BACK REAM F/12,500' - T/12,000'. CIRCULATE GAS OUT OF HOLE AT SHOE, WELL STATIC AFTER CIRCULATION, SLUGGED PIPE & TOOH. DROPPED RABBIT AND CONT TOOH. TOOH F/10,863' - T/8,650' - NO ISSUES, HOLE TAKING PROPER FILL, STAB TIW SHUT IN WELL FOR SAFETY STAND DOWN. CONT TOOH AFTER STAND DOWN T/BHA WITH NO ISSUES. L/D BHA. B/O BIT GRADED A 5-2, STARTING TO RING OUT WITH 7 BROKEN CUTTERS. PJSM & RIG UP SOUTHERN CONNECTIONS CASING CREW AND LEGEND TORQUE TURN. MAKE UP CITADEL ECCENTRIC SHOE AND RUN 124 JOINTS OF 4.5" 13.5# P-110 HC CDC HTQ T/5,762'. BREAK CIRCULATION AT 2,831'. 70 SPM 186 GPM PP-700. BREAK CIRCULATION AT 5,762' 70 SPM 186 GPM PP-1050. 1 JOINT BEFORE PICKING UP THE HANGER. P/U LINER HANGER AND DRESS WITH BAKER HAND. TIH WITH 1 STAND OF HWD TO CLEAR THE STACK AND PUMPED THROUGH TO CHECK PRESSURES AND DOCUMENT. RUN 4.5" 13.5# P-110 HC CDC HTQ LINER F/ 5,762' - T/ 7,145'. WELL GAVE PROPER DISPLACEMENT. TRIP IN THE HOLE AT 100'FPM.														
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS										
00:00	01:30	16,890.00	16,890.00	06	P	F_PRO	BACK REAM F/12,500' - T/12,000', 115 STROKES/MIN, 4900 PSI, MAX PULL 280K, PICK UP WEIGHT 210K.										
01:30	02:30	16,890.00	16,890.00	05	P	F_PRO	CIRCULATE GAS OUT OF HOLE AT SHOE - 12,000', 114 STROKES/MIN, 4800 PSI, TORQUE 3-5K, FLOW CHECK - WELL STATIC, PUMP SLUG.										
02:30	03:00	16,890.00	16,890.00	06	P	F_PRO	DROP RABBIT AND TOOH F/12,015' - T/10,863' - NO ISSUES.										
03:00	03:30	16,890.00	16,890.00	21	P	F_PRO	PULL ROTATING HEAD AND INSTALL TRIP NIPPLE.										
03:30	04:00	16,890.00	16,890.00	12	P	F_PRO	CHANGE ST-80 DIES.										
04:00	05:30	16,890.00	16,890.00	21	P	F_PRO	TOOH F/10,863' - T/8,650' - NO ISSUES, HOLE TAKING PROPER FILL, STAB TIW SHUT IN WELL FOR SAFETY STAND DOWN.										
05:30	06:00	16,890.00	16,890.00	21	P	F_PRO	SAFETY STAND DOWN AND DISCUSS RECENT INCIDENTS ACROSS WPX FLEET, DISCUSS HEAT FATIGUE AND ROOT CAUSES FOR RECENT INCIDENTS. FURTHER DISCUSS ASSESSING JOB TASK AND HAZARD IDENTIFICATION PRIOR DURING AND AFTER JOB.										
06:00	10:00	16,890.00	16,890.00	06	P	F_PRO	TOOH F/8,650' - T/BHA HOLE TOOK PROPER FILL, NO ISSUES.										
10:00	11:00	16,890.00	16,890.00	06	P	F_PRO	L/D BHA - BREAK OUT XO, FILTER SUB AND MONEL, P/U AND DRAIN MOTOR- MOTOR DRAINED OK - B/O BIT BIT GRADED A 5-2, STARTING TO RING OUT WITH 7 BROKEN CUTTERS, UNLOCK AND PULL MWD, L/D UBHO, MONEL STABILIZER AND MOTOR.										
11:00	11:30	16,890.00	16,890.00	07	P	F_PRO	RIG SERVICE - SERVICE TOP DRIVE AND CHECK BOLTS ON LINK TILTS.										
11:30	12:00	16,890.00	16,890.00	06	P	F_PRO	CLEAN OBM OFF RIG FLOOR AND STAGE TOOLS FOR CASING RUN.										

Printed: 07/26/2019 5:40:43AM

OPERATIONS (00:00)							
OPERATION COMMENT				CONTINUED TO BACK REAM F/12,500' - T/12,000'. CIRCULATE GAS OUT OF HOLE AT SHOE, WELL STATIC AFTER CIRCULATION, SLUGGED PIPE & TOO H. DROPPED RABBIT AND CONT TOO H. TOO H F/10,863' - T/8,650' - NO ISSUES, HOLE TAKING PROPER FILL, STAB TIW SHUT IN WELL FOR SAFETY STAND DOWN. CONT TOO H AFTER STAND DOWN T/BHA WITH NO ISSUES. L/D BHA. B/O BIT GRADED A 5-2, STARTING TO RING OUT WITH 7 BROKEN CUTTERS. PJSM & RIG UP SOUTHERN CONNECTIONS CASING CREW AND LEGEND TORQUE TURN. MAKE UP CITADEL ECCENTRIC SHOE AND RUN 124 JOINTS OF 4.5" 13.5# P-110 HC CDC HTQ T/5,762'. BREAK CIRCULATION AT 2,831'. 70 SPM 186 GPM PP-700. BREAK CIRCULATION AT 5,762' 70 SPM 186 GPM PP-1050. 1 JOINT BEFORE PICKING UP THE HANGER. P/U LINER HANGER AND DRESS WITH BAKER HAND. TIH WITH 1 STAND OF HWD TO CLEAR THE STACK AND PUMPED THROUGH TO CHECK PRESSURES AND DOCUMENT. RUN 4.5" 13.5# P-110 HC CDC HTQ LINER F/ 5,762' - T/ 7,145'. WELL GAVE PROPER DISPLACEMENT. TRIP IN THE HOLE AT 100'FPM.			
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS
12:00	13:00	16,890.00	16,890.00	12	P	F_PRO	PJSM & RIG UP SOUTHERN CONNECTIONS CASING CREW AND LEGEND TORQUE TURN.
13:00	21:30	16,890.00	16,890.00	12	P	F_PRO	MAKE UP CITADEL ECCENTRIC SHOE AND TYPE 1 LANDING COLLAR W/BAFFLE, 1 PUP JOINT CASING, ALPHA SLEEVE,BALL SEAT WITH PUP JOINTS, SHOE TRACK=4.50' RUN 124 JOINTS OF 4.5" 13.5# P-110 HC CDC HTQ T/5,762' BREAK CIRCULATION AT 2,831'. 70 SPM 186 GPM PP-700. BREAK CIRCULATION AT 5,762' 70 SPM 186 GPM PP-1050. 1 JOINT BEFORE PICKING UP THE HANGER. TORQUE CONNECTIONS TO 8300 FT-LBS CENTRALIZERS- EVERY 3RD JOINT IN LATERAL, EVERY JOINT IN CURVE SOUTHERN CONNECTIONS - CASING CREW LEGEND -TORQUE TURN NO THREAD REP FILL CASING ON FLY MONITORING DISPLACEMENT WHILE RIH - GOOD
21:30	22:30	16,890.00	16,890.00	12	P	F_PRO	P/U LINER HANGER AND DRESS WITH BAKER HAND. TIH WITH 1 STAND OF HWD TO CLEAR THE STACK AND PUMPED THROUGH TO CHECK PRESSURES AND DOCUMENT ALL 30 SPM-600 PSI 40 SPM-715 PSI 50 SPM-820 PSI TORQUE AT 10 RPM-1500 TORQUE AT 20 RPM-2000 P/U WEIGHT-105K S/O WEIGHT-103K
22:30	23:30	16,890.00	16,890.00	12	P	F_PRO	RUN 4.5" 13.5# P-110 HC CDC HTQ LINER F/ 5,762' - T/ 7,145'. WELL GAVE PROPER DISPLACEMENT. TRIP IN THE HOLE AT 100'FPM.
23:30	00:00	16,890.00	16,890.00	21	P	F_PRO	PULL TRIP NIPPLE & INSTALL ROTATING HEAD.

24 HOUR SUMMARY

UNIVERISTY 32 #411H
DFS: 18.39
DOL: 47.00
DRILLS / HSE: SAFETY STAND DOWN WITH ALL PERSONAL ON LOCATION
REGULATORY: NOTIFIED SARA WITH TRRC ON RUNNING PROD LINER & CEMENT SAME AT 06:00 07/25/2019

SAFETY TOPIC: TRIPPING OPERATIONS, L/D BHA, WORKING WITH CASING CREW, BUFFER ZONES

NPT Daily: 0 HR
NPT Gross: 24 HR

CURRENT OPS: TIH W LINER ON DRILL PIPE AT 15,020'

24 HR SUMMARY: CONTINUED TO BACK REAM F/12,500' - T/12,000'. CIRCULATE GAS OUT OF HOLE AT SHOE, WELL STATIC AFTER CIRCULATION, SLUGGED PIPE & TOO H. DROPPED RABBIT AND CONT TOO H. TOO H F/10,863' - T/8,650' - NO ISSUES, HOLE TAKING PROPER FILL, STAB TIW SHUT IN WELL FOR SAFETY STAND DOWN. CONT TOO H AFTER STAND DOWN T/BHA WITH NO ISSUES. L/D BHA. B/O BIT GRADED A 5-2, STARTING TO RING OUT WITH 7 BROKEN CUTTERS. PJSM & RIG UP SOUTHERN CONNECTIONS CASING CREW AND LEGEND TORQUE TURN. MAKE UP CITADEL ECCENTRIC SHOE AND RUN 124 JOINTS OF 4.5" 13.5# P-110 HC CDC HTQ T/5,762'. BREAK CIRCULATION AT 2,831'. 70 SPM 186 GPM PP-700. BREAK CIRCULATION AT 5,762' 70 SPM 186 GPM PP-1050. 1 JOINT BEFORE PICKING UP THE HANGER. P/U LINER HANGER AND DRESS WITH BAKER HAND. TIH WITH 1 STAND OF HWD TO CLEAR THE STACK AND PUMPED THROUGH TO CHECK PRESSURES AND DOCUMENT. RUN 4.5" 13.5# P-110 HC CDC HTQ LINER F/ 5,762' - T/ 7,145'. WELL GAVE PROPER DISPLACEMENT. TRIP IN THE HOLE AT 100'FPM.

FOOTAGE LAST 24 HRS: '
ROP: FPH
ROTATE: ' %
SLIDE: ' %

LAST SURVEY: 16,836', INC: 89.2°, AZM: 343.0°, TVD: 11883.72', DLS: 6.30°
BIT PROJECTION: 16,890', INC: 89.2°, AZM: 343.0°, 5' BELOW & 11' LEFT

MUD PROPERTIES: MW: 13.3+, VIS: 60, YP: 12, O/W: 81/19, LGS: 5.22, WPS: 251,137, ES: 740, 6/3: 10/9

LAST LITHOLOGY: 16850 - 16890 MD 100% SHALE

FORMATION TOPS:	MD	TVD
BELL CANYON (BASE OF SALT)	5,157'	5,133'
CHERRY CANYON	6,837'	6,352'
BRUSHY CANYON	7,489'	7,442'
BONE SPRING	8,771'	8,715'
AVALON	8,811'	8,755'
1ST BONE SPRING SAND	9,791'	9,735'
2ND BONE SPRING LIME	9,917'	9,861'
2ND BONE SPRING SAND	10,515'	10,459'
3RD BONE SPRING LIME	10,673'	10,616'
3RD BONE SPRING SAND	11,393'	11,335'
WOLFCAMP TOP	11,762'	11,645'
WOLFCAMP X	11,805'	11,673'
WOLFCAMP Y	11,954'	11,752'
WOLFCAMP A	11,975'	11,762'
TOP TARGET		
LANDING POINT		
BASE TARGET		

RIG KB: 25.5'
20" CONDUCTOR SET @ 105'
SURFACE SPUDDED @ 0330HRS 6/12/2019
13-3/8" SET AT 494.7'
9-5/8" SET @ 5,220'
KICK-OFF POINT @ 11,273'
7" SET @ 12,011'
LAND CURVE @ 12,247'
TD @ 16,890' @ 10:00 7/24/2019
4-1/2" SET @ 16,888'
RIG RELEASE @

BROUGHT IN 0 BBLS OF FRESH WATER FOR FRAC TANKS - TOTAL 1570 BBLS
BROUGHT IN 0 BBLS OF CITY WATER FOR CEMENT TANKS - TOTAL 1560 BBLS
BROUGHT IN 0 BBLS OF FRESH WATER FOR RIG TANK - TOTAL 1250 BBLS
HAULED TO DISPOSAL 0 BBLS DISPLACEMENT WATER - TOTAL 1060 BBLS

DAY DSM: IAN ENSELL
NIGHT DSM: JACOB HINOJOSA

DAILY COST						
Class	Code	Subcode	Description	Vendor	Daily Cost	Comment
	0652	8810	CASING (INT1)	B&L Pipe	0.00	9 5/8, 40# J-55 Casing \$25.78
	0652	8820	CASING (INT2)	B & L Pipeco Services	0.00	7" 29# VA-XP-P100 CASING \$24.80
	0652	8889	CASING (SURF)	B&L Pipe	0.00	13 3/8, 54.5# J-55 Casing \$35.84
	0650	8734	CASING CREWS & TOOLS	Southern Connections & Services I	14,550.00	CASING CREW TO RUN 4 1/2 PRODUCTION LINER INV#10292
	0650	8734	CASING CREWS & TOOLS	Legend Services Inc	5,955.00	TORQUE TURN FOR 4 1/2 PROD LINER INV#11407
	0652	8739	CASING/LINER (PROD)	*New Vendor	78,180.55	(PREMIER PIPE) 4 1/2" 13.5# HCP110 CDC-HTQ \$13.59/ft
	0650	8781	CENTRALIZERS & FLOAT EQUIP (SURF) (INT1) (*New Vendor	1,045.00	4.5 FLOAT SHOE EQUIPMENT.
	0650	8790	CONTINGENCY	WPX Energy	15,065.88	8% overage
	0650	8757	DIRECTIONAL EQUIPMENT - SERVICES	MS Energy Services	9,400.00	Directional Daily Cost - (standby rate \$5300) ADJUSTMENTS MADE FOR END OF WELL COSTS
	0650	8758	DRILL FLUIDS & CHEMICALS - MATERIALS	Stellar Drilling Fluids	6,119.63	Mud materials and tax , Treated oil base mud in OBM tank farm
	0650	8989	DRILL FLUIDS & CHEMICALS - SERVICES	Stellar Drilling Fluids	1,003.45	24 hour Service 940.00 PLUS TAX PLUS BLOWER RENTAL \$45.00
	0650	8783	FLUID & CUTTINGS DISPOSAL	Glezz Trucking	6,218.00	HAULED LOADS TO DISPOSAL MILESTONE INV#G20186
	0650	8783	FLUID & CUTTINGS DISPOSAL	Republic Services	4,250.00	NO MORE DAILY RENTAL ALL IN ONE PRICE \$850 PER BIN (BIN SWAP) FROM MARCH
	0650	8911	FLUID HAULING	Glezz Trucking	7,790.00	WORKING ON LOCATION TRANSFERRING FLUIDS AND FOR CEMENT JOBS, CLEANING PRE-MIX AS WELL. INV#G20185
	0650	8911	FLUID HAULING	Glezz Trucking	11,480.00	LOADS OF WATER DELIVERED TO LOCATION INV#G20184
	0650	8823	LIVING FACILITIES & SANITATION	Black Diamond Oilfield Services	560.00	BLACK DIAMOND Camps 6 camps plus 1 transformer
	0650	8803	MAN CAMP	WPX Energy	80.00	Shared - Superintendent housing \$80 per day on each rig
	0650	8837	MUD LOGGING	Field Geo Services Inc	1,620.00	Mud Loggers (\$1620 daily)
	0650	8868	RENTAL EQUIPMENT (DOWNHOLE)	Quail Tools LP	0.00	THREE XT39 PUP JTS 5',10',15' RETURNED TO QUAL ON 7/20/2019
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	600.00	Daily on 5 light plants (B AND B) \$60. ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Weatherford International Llc	670.00	WEATHERFORD ROTATING HEAD \$400, EXTRA BEARING, \$100, ORBIT VALVE, \$100, STRIPPING RUBBERS \$35 EA X 2. \$670 / DAY TOTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Thomas Tools	127.00	INLINE SCREEN DAILY RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Black Diamond Oilfield Services	0.00	Camp Generator
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Sun Coast Resources Inc	0.00	Portable Fuel Tank
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	190.00	Daily on communications. \$190.00 / DAY
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Totco	738.50	EDR
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	85.00	6X6 PUMP RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	PRT Rental	35.00	Spacer Spool
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	250.00	H&P RENTED LOADER AND MANLIFT
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	30.00	Daily on trash trailer (GLEZZ) \$30 ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	50.00	2 PORTA-JOHNS \$25.ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	Premix Tank (B AND B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	150.00	VBR RENTAL \$150 A DAY
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	325.00	Daily rental for choke and flare line package \$325/day each
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	390.00	FRAC TANK DAILY COST AND 1 OPEN TOP (ALL AT 30 A DAY)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Safety Solutions LLC	70.00	Daily cost on H2S Monitoring System (\$70/day) (Safety)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	JST - Johnson Specialty Tools	1,020.00	DIESEL PW-\$45, OBM CONT-\$140, OBM FRAC \$35 X 6, 6X8 PUMP \$110, MUD VAC \$110, 6X6 PUMP \$85, MANIFOLDS \$20 X 1, WBM FRAC \$35 X 8 (NO MAGNETS)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	RENTAL ON LOADER (B & B)
	0650	8760	RIG DAYWORK	Helmerich & Payne Inc.	24,923.04	Rig Operation Day Rate \$24,923 / DAY
	0650	8295	RIG MOVING RATE	Helmerich & Payne Inc.	0.00	Rig Mobilization Rate
	0650	8994	SOLIDS CONTROL - SERVICES	Kayden Industries	3,733.33	Solids Control Equipment and onsite Techs charges up to current (\$3,733.33 WBM). #,(\$3100 RIG UP.
	0650	8742	TRUCKING	Major League Trucking	1,160.00	HAUL DCS, STABS AT AMEG WEST, STOP AT MS ENERGY AND BACK HAUL INV#12563 A
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	0.00	Supervision- Lance Fatheree
	0650	8917	WELLSITE SUPERVISION	Lindley Consulting LLC	0.00	Supervision Nights- Chris Lindley
	0650	8917	WELLSITE SUPERVISION	WPX Energy	800.00	Shared superintendant/Foreman day rate for Keith Robert, Stan, Mark \$800 per day
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	2,000.00	Supervision- Ian Ensell
	0650	8917	WELLSITE SUPERVISION	Crescent Consulting Llc	1,975.00	Supervision Nights- Jacob Hinojosa
				Daily Total	203,389.38	
				Cumulative Total	2,782,600.90	

WPX Energy

Daily Drilling Report

WELL NAME:	UNIVERSITY 32-411H	AFE #:	190635	AFE \$:	3,513,250	LANDING PNT	12,011(usf	REPORT#:	23	DATE:	7/26/2019
FIELD:	PHANTOM	SIDETRACK:	00	DAILY COST \$:	142,087	LATERAL SEC:	4,643.00	DFS:	19.39		
EVENT:	DRILLING	LOCATION:		CUM COST \$:	2,924,688	TD (MD):	16,890.0	LITHOLOGY:			
OBJECTIVE:	DEVELOPMENT	CTY,ST:	WINKLER,TEXAS	DAILY MUD	0	TD (TVD):	11,884.6	FORMATION:		Wolfcamp A	
ENGINEER:	Justin Barmore	ROT HRS:	0.00	CUM MUD	0	SPUD DATE::	6/12/2019	DIESEL (MUD DIESEL):	0	/	17,502
TODAY'S DEPTH:	16,890 (usft)	CUM ROT:	223.00	+/- PLAN:		RR DATE :		DIESEL (RIG FUEL):	1,260	/	39,298
PREV. DEPTH:	16,890 (usft)			RIG::	H&P 314			SUPERVISOR:	Ian Ensell		
PROGRESS:	(usft)	WEATHER: CURRENTLY CLEAR 72° HIGHE IN THE UPPER 90°S.						SUPERVISOR PH. #:	1-405-423-1705		
PRESENT OPERATION:	TOOH WITH 4" DP AT 3500'										
OPERATION FORECAST:	CIRC BOTTOMS UP, DISPLACE OBM & FILL HOLE WITH BRINE WATER, TOOH, PULL WEAR BUSHING AND BIT GUIDE. N/D BOPS & RELEASE RIG.										
CSG / WELL CONTROL		DRLG DATA				DOWNTIME:		BIT RECORD			
LAST CASING:	7.000(in)	ST WT UP		PRESS		LOSS TIME (hrs):	34.00	BIT #		RPM	
DEPTH:	12,011(usft)	ST WT DN		RATE		LOSS TIME INC:	9.00	SIZE		HHP	
LAST BOP:	7/19/2019	ST WT ROT		DP AV		NEAR MISSES:	0.00	TYPE		P BIT	
LOT EMW:		TQ ON BTM		DC AV		24 HR RIG DOWN:	0.00	JETS	-		
WEIGHT LB/FT:	29(ppf)	TQ OFF BTM				CUM RIG DOWN	1.50	DEPTH IN			
CONN:	BTC							DEPTH OUT			
PUMP DATA											
PUMP #	MANU		LINER		STROKE		PRESSURE		GPM		
1	GARDENER-DENVER		5.000		11		0.00		0.0		
2	GARDENER-DENVER		5.000		11		0.00		0.0		
3	GARDENER-DENVER		5.000		11		0.00		0.0		
SURVEY DATA											
MD	INCL	AZIM	TVD	N/S(-)	E/W(-)	VS	DLS	DULL CONDITION			
16,836.00	89.20	343.00	11,883.89	4,415.81	-2,114.67	4,415.81	6.30	I	O	D	L B R G T
16,792.00	91.70	344.20	11,884.23	4,373.61	-2,102.25	4,373.61	4.21				
16,698.00	87.90	343.10	11,883.91	4,283.43	-2,075.79	4,283.43	1.37				
16,603.00	87.40	344.30	11,880.01	4,192.33	-2,049.15	4,192.33	1.48				
16,509.00	88.60	345.00	11,876.73	4,101.74	-2,024.28	4,101.74	0.67				
MUD ADDITIVES											
PRODUCT		AMOUNT		PRODUCT		AMOUNT		PRODUCT		AMOUNT	
MUD DATA											
Date: 7/27/2019 6:00:00PM		MUD TYPE INVERT		CHECK DEPTH 16,890		FL TEMP		WATER 14.00 (%)		OIL 60.50 (%) SAND (%))	
GELS (12.0/22.0		Filter Cak 2.0 (32nd")		HTHP 10.0		MW 13.35		VISC 60.00		TEMP 150.00 ECD	
PV/YP 23.0/12.0		MBT		pH Pm		Pf Mf		Cl-		Total Hard K+	
Lubricant (%)		ES 740.0		WPS		CaCl2 25.1		WATER 19.00 (%)		OIL 81.00 (%) HGS 19.05 (%))	
LGS 5.22 (%)		SOLIDS 25.50 (%)									
COMMENTS											
MUD GAS DATA											
CONNECTION MAX 0.00				TRIP MAX				0.00 BACKGROUND MAX 0.00			
CURRENT BHA											
DESCRIPTION		NUMBER	LENGTH	DRILL ROT	DRILL SLIDE	P/U	S/O	ROT	TORQUE	OD	ID TOP CON SIZE
BHA HRS 0.00		MTR HRS 0.00									
JAR HRS		MWD Hrs 0.00									
OPERATIONS (00:00)											
OPERATION COMMENT			FINISH RUNNING 4.5" 13.5# P-110 HC CDC HTQ LINER F/ 7,145' - T/ 16,888'. NO PROBLEMS. CIRCULATE BOTTOMS UP THROUGH OPEN CHOKES - 240 GPM, 3250 PSI, P/U 250K S/O 150, 10'-12' FLARE. PERFORM BAKER HUGHES LINER PROCEDURE. (GOOD). RIGGED UP PAR CEMENTERS, CEMENTING 4-1/2" PRODUCTION LINER. ATTEMPTED TO P/U TO FREE TRAVEL SEEN PRIOR TO CEMENT JOB, UNABLE TO VERIFY FREE TRAVEL PULLED UP TO 250K. LAST FREE TRAVEL 212K. ATTEMPTED SEVERAL TIMES, NO SUCESS. DISCUSS WITH OFFICE AND DECISION MADE TO ATTEMPT SECONDARY RELEASE METHOD. UNABLE TO RELEASE WITH SECONDARY RELEASE 3 ATTEMPTS MADE INCREASING REVERSE TORQUE EACH ATTEMPT. CALLED IN VES WIRELINE TRUCK TO FREE POINT. FOUND WERE ABLE TO FREE POINT AT 7,700'. RUN IN WITH FREE POINT CHARGE WORKED 10,000 FT LBS OF TORQUE, TEN WRAPS TO THE LEFT AND FREE POINT AT 7,710'. PULLING WIRELINE OUT OF THE HOLE AT REPORT TIME.								
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS				
00:00	06:00	16,890.00	16,890.00	12	P	F_PRO	RUN 4.5" 13.5# P-110 HC CDC HTQ LINER F/ 7,145' - T/ 16,888'. WELL GAVE PROPER DISPLACEMENT. TRIP IN THE HOLE AT 100'FPM. NO ISSUES				
06:00	07:30	16,890.00	16,890.00	05	P	F_PRO	CIRCULATE BOTTOMS UP THROUGH OPEN CHOKES - 240 GPM, 3250 PSI, P/U 250K S/O 150, 10'-12' FLARE				
07:30	09:00	16,890.00	16,890.00	12	P	F_PRO	RECORDED PICK UP WT, AND SLACK OFF WT. 297K PICK UP, 170K SLACK OFF. DROPPED 1 1/4" BALL, P/U AND R/U CEMENT HEAD, AND 5 AND 15' PUP JT. PICKED UP TO 297K 14' ABOVE RIG FLOOR. PRESSURED UP TO 1,400PSI, HELD FOR 5 MINUTES, SLACK OFF TO SET 50K ON HANGER, HANGER SET. EXTRUDE BALL FROM SEAT @ 2,100PSI, CIRC 5BBLs WITH 40 SPM TO RE-ESTABLISH RETURNS DROP 1.5" BALL, WAITED 35 MIN. AFTER LETTING 1.5" BALL FALL FOR 35 MINUTES, WE PRESSURED IN STAGES UP TO 1,700 PSI AND EXTRUDED BALL FROM SEAT. CIRCULATED 5 BBLs WITH GOOD FLOW. P/U AND HAD FREE TRAVEL @ 212K. MADE A MARK ON THE PIPE AND PICKED UP 5' TO ESTABLISH RELEASE. NEW FREE TRAVEL WEIGHT DOWNWARD OF 190K. S/O TO 100K ON HANGER FOR CEMENT JOB F/S @ 16,888' TOL @ 11,135.56' MARKER JT@ 14,624.24'				
09:00	09:30	16,890.00	16,890.00	12	P	F_PRO	RIG UP PAR 5 CEMENTERS				
09:30	11:30	16,890.00	16,890.00	12	P	F_PRO	CEMENTING 4-1/2" PRODUCTION LINER AS FOLLOWS: PUMP 40 BBLs OF MUD PUSH + DYE @ 5.0 BPM, 3,500 PSI PUMP 128 BBLs (570 SACKS) OF 14.2 PPG 50/50 HPERLITE TAIL @ 5.0 BPM, (YIELD 1.26 CU.FT/SK) NO PIPE MOVEMENT WHILE PUMPING CEMENT. DROP PLUG AND LATCH, 6,500PSI TO PASS THROUGH THE BALL SEAT 200 BBLs DISPLACED AT 5.0 BPM: FCP 5107 PSI w/ 100% RETURN FLOW. DISPLACEMENT FLUID: 100 BBLs OF SUGAR WATER FOLLOWED BY 100 BBLs OF 13.4 PPG OBM. REDUCE RATE TO 3.5 BPM PRIOR TO PLUG BUMP: FINAL CIRCULATING PRESSURE 3700 PSI INCREASED TO 4697 PSI @ BUMP. HELD 5 MINS. TOTAL DISPLACEMENT VOLUME 200 BBLs. FULL RETURNS DURING JOB, 0 BBLs LOST. CHECK FLOATS – GOOD, 3 BBLs BACK TO TRUCK				

Printed:

07/27/2019 5:33:21AM

OPERATIONS (00:00)							
OPERATION COMMENT				FINISH RUNNING 4.5" 13.5# P-110 HC CDC HTQ LINER F/ 7,145' - T/ 16,888'. NO PROBLEMS. CIRCULATE BOTTOMS UP THROUGH OPEN CHOKES - 240 GPM, 3250 PSI, P/U 250K S/O 150, 10'-12' FLARE. PERFORM BAKER HUGHES LINER PROCEDURE. (GOOD). RIGGED UP PAR CEMENTERS, CEMENTING 4-1/2" PRODUCTION LINER. ATTEMPTED TO P/U TO FREE TRAVEL SEEN PRIOR TO CEMENT JOB, UNABLE TO VERIFY FREE TRAVEL PULLED UP TO 250K, LAST FREE TRAVEL 212K. ATTEMPTED SEVERAL TIMES, NO SUCESS. DISCUSS WITH OFFICE AND DECISION MADE TO ATTEMPT SECONDARY RELEASE METHOD. UNABLE TO RELEASE WITH SECONDARY RELEASE 3 ATTEMPTS MADE INCREASING REVERSE TORQUE EACH ATTEMPT. CALLED IN VES WIRELINE TRUCK TO FREE POINT. FOUND WERE ABLE TO FREE POINT AT 7,700'. RUN IN WITH FREE POINT CHARGE WORKED 10,000 FT LBS OF TORQUE, TEN WRAPS TO THE LEFT AND FREE POINT AT 7,710'. PULLING WIRELINE OUT OF THE HOLE AT REPORT TIME.			
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS
11:30	14:00	16,890.00	16,890.00	12	P	F_PRO	ATTEMPTED TO P/U TO FREE TRAVEL SEEN PRIOR TO CEMENT JOB, UNABLE TO VERIFY FREE TRAVEL PULLED UP TO 250K, LAST FREE TRAVEL 212K. ATTEMPTED SEVERAL TIMES, NO SUCCESS. DISCUSS WITH OFFICE AND DECISION MADE TO ATTEMPT SECONDARY RELEASE METHOD. UNABLE TO RELEASE WITH SECONDARY RELEASE 3 ATTEMPTS MADE INCREASING REVERSE TORQUE EACH ATTEMPT, MAX REVERSE TORQUE 11 WRAPS WITH 9K TORQUE, AT THIS POINT TORQUE RELEASED DOWNHOLE AND TIW ABOVE CEMENT HEAD BACKOUT AT ROTARY TABLE WEDGED IN BUSHINGS SCREWED BACK INTO CEMENT HEAD, P/U TO 250K NO FREE TRAVEL, L/D CEMENT HEAD AND PUP JOINT, ATTEMPTED TO WORK PIPE FREE MAX P/U 450K, MAX TORQUE 18K, UNABLE TO FREE STRING, ORDER WIRELINE TRUCK TO FREE POINT
14:00	18:00	16,890.00	16,890.00	21	NP	F_PRO	CONTINUE TO WORK PIPE WHILE WAITING ON WIRELINE TRUCK
18:00	20:30	16,890.00	16,890.00	21	NP	F_PRO	HOLD PJSM WITH VES AND ALL RIG PERSONAL ON LOCATION. P/U SHEAVES TO RIG FLOOR, INSTALLED WIRE LINE SHEAVE AT CROWN, INSTALLED PACK OFF ON TOP DRIVE. P/U SINGLE, MADE UP CCL & FREE POINT.
20:30	23:30	16,890.00	16,890.00	21	NP	F_PRO	PERFORM FREE POINT LOG IN DRILL PIPE. WORK TORQUE IN STRINGS. TRIED AT DEPTHS OF 9650', NO MOVEMENT & CONTINUED TO COME 8800' ATTEMPT AGAIN, NO SUCCESS FOUND FREE PIPE AT 7,710'. CAME DOWN 100' PIPE WAS FREE 40% CAME BACK TO 7710' AND PIPE WAS FREE AT 70%
23:30	00:00	16,890.00	16,890.00	21	NP	F_PRO	RUN IN WITH FREE POINT CHARGE WORKED 10,000 FT LBS OF TORQUE, TEN WRAPS TO THE LEFT AND FREE POINT AT 7,710'. PULLING WIRELINE OUT OF THE HOLE AT REPORT TIME.

24 HOUR SUMMARY

UNIVERSITY 32 #411H

DFS: 19.39
DOL: 48.00
DRILLS / HSE:
REGULATORY:

SAFETY TOPIC: CEMENTING OPERATIONS, WIRELINE OPERATIONS. BUFFER ZONES AND OVERHEAD SAFETY. COMMUNICATION
NPT Daily: 10 HR DUE TO STUCK & HAD TO FREE POINT AFTER UNABLE TO BACK OFF LINER HANGER.
NPT Gross: 34 HR

CURRENT OPS: TOO H WITH 4" DP AT 3500'

24 HR SUMMARY: FINISH RUNNING 4.5" 13.5# P-110 HC CDC HTQ LINER F/ 7,145' - T/ 16,888'. NO PROBLEMS. CIRCULATE BOTTOMS UP THROUGH OPEN CHOKES - 240 GPM, 3250 PSI, P/U 250K S/O 150, 10'-12' FLARE. PERFORM BAKER HUGHES LINER PROCEDURE. (GOOD). RIGGED UP PAR CEMENTERS, CEMENTING 4-1/2" PRODUCTION LINER. ATTEMPTED TO P/U TO FREE TRAVEL SEEN PRIOR TO CEMENT JOB, UNABLE TO VERIFY FREE TRAVEL PULLED UP TO 250K, LAST FREE TRAVEL 212K. ATTEMPTED SEVERAL TIMES, NO SUCCESS. DISCUSS WITH OFFICE AND DECISION MADE TO ATTEMPT SECONDARY RELEASE METHOD. UNABLE TO RELEASE WITH SECONDARY RELEASE 3 ATTEMPTS MADE INCREASING REVERSE TORQUE EACH ATTEMPT. CALLED IN VES WIRELINE TRUCK TO FREE POINT. FOUND WERE ABLE TO FREE POINT AT 7,700'. RUN IN WITH FREE POINT CHARGE WORKED 10,000 FT LBS OF TORQUE, TEN WRAPS TO THE LEFT AND FREE POINT AT 7,710'. PULLING WIRELINE OUT OF THE HOLE AT REPORT TIME.

FOOTAGE LAST 24 HRS: '
ROP: FPH
ROTATE: ' %
SLIDE: ' %

LAST SURVEY: 16,836', INC: 89.2°, AZM: 343.0°, TVD: 11883.72', DLS: 6.30°
BIT PROJECTION: 16,890', INC: 89.2°, AZM: 343.0°, 5' BELOW & 11' LEFT

MUD PROPERTIES: MW: 13.3+, VIS: 60, YP: 12, O/W: 81/19, LGS: 5.22, WPS: 251,137, ES: 740, 6/3: 10/9

LAST LITHOLOGY: 16850 - 16890 MD 100% SHALE

FORMATION TOPS:	MD	TVD
BELL CANYON (BASE OF SALT)	5,157'	5,133'
CHERRY CANYON	6,837'	6,352'
BRUSHY CANYON	7,489'	7,442'
BONE SPRING	8,771'	8,715'
AVALON	8,811'	8,755'
1ST BONE SPRING SAND	9,791'	9,735'
2ND BONE SPRING LIME	9,917'	9,861'
2ND BONE SPRING SAND	10,515'	10,459'
3RD BONE SPRING LIME	10,673'	10,616'
3RD BONE SPRING SAND	11,393'	11,335'
WOLFCAMP TOP	11,762'	11,645'
WOLFCAMP X	11,805'	11,673'
WOLFCAMP Y	11,954'	11,752'
WOLFCAMP A	11,975'	11,762'
TOP TARGET		
LANDING POINT		
BASE TARGET		

RIG KB: 25.5'
20" CONDUCTOR SET @ 105'
SURFACE SPUDDED @ 0330HRS 6/12/2019
13-3/8" SET AT 494.7'
9-5/8" SET @ 5,220'
KICK-OFF POINT @ 11,273'
7" SET @ 12,011'
LAND CURVE @ 12,247'
TD @ 16,890' @ 10:00 7/24/2019
4-1/2" SET @ 16,888'
RIG RELEASE @

BROUGHT IN 240 BBLS OF FRESH WATER FOR FRAC TANKS - TOTAL 1810 BBLS
BROUGHT IN 0 BBLS OF CITY WATER FOR CEMENT TANKS - TOTAL 1560 BBLS
BROUGHT IN 0 BBLS OF FRESH WATER FOR RIG TANK - TOTAL 1250 BBLS
HAULED TO DISPOSAL 0 BBLS DISPLACEMENT WATER - TOTAL 1060 BBLS

DAY DSM: IAN ENSELL
NIGHT DSM: JACOB HINOJOSA

DAILY COST						
Class	Code	Subcode	Description	Vendor	Daily Cost	Comment
	0652	8810	CASING (INT1)	B&L Pipe	0.00	9 5/8, 40# J-55 Casing \$25.78
	0652	8820	CASING (INT2)	B & L Pipeco Services	0.00	7" 29# VA-XP-P100 CASING \$24.80
	0652	8889	CASING (SURF)	B&L Pipe	0.00	13 3/8, 54.5# J-55 Casing \$35.84
	0652	8739	CASING/LINER (PROD)	*New Vendor	0.00	(PREMIER PIPE) 4 1/2" 13.5# HCP110 CDC-HTQ \$13.59/ft
	0650	8401	CEMENT (PROD) - MATERIALS	PAR-FIVE Energy	20,268.16	MATERIALS FOR PROD LINER INV#TKT00009309
	0650	8857	CEMENT (PROD) - SERVICES	PAR-FIVE Energy	40,139.89	SERVICES FOR PROD LINER INV#TKT00009309
	0650	8790	CONTINGENCY	WPX Energy	10,524.99	8% overage
	0650	8757	DIRECTIONAL EQUIPMENT - SERVICES	MS Energy Services	5,300.00	Directional Daily Cost - (standby rate \$5300) ADJUSTMENTS MADE FOR END OF WELL COSTS
	0650	8758	DRILL FLUIDS & CHEMICALS - MATERIALS	Stellar Drilling Fluids	0.00	Mud materials and tax , Treated oil base mud in OBM tank farm
	0650	8989	DRILL FLUIDS & CHEMICALS - SERVICES	Stellar Drilling Fluids	1,003.45	24 hour Service 940.00 PLUS TAX PLUS BLOWER RENTAL \$45.00
	0650	8702	FISHING TOOLS & REPAIR - SERVICES	VES Logging	23,679.00	FREEPOINT INV#VES7013-2019
	0650	8783	FLUID & CUTTINGS DISPOSAL	Republic Services	0.00	NO MORE DAILY RENTAL ALL IN ONE PRICE \$850 PER BIN (BIN SWAP) FROM MARCH
	0650	8823	LIVING FACILITIES & SANITATION	Black Diamond Oilfield Services	560.00	BLACK DIAMOND Camps 6 camps plus 1 transformer
	0650	8803	MAN CAMP	WPX Energy	80.00	Shared - Superintendent housing \$80 per day on each rig
	0650	8837	MUD LOGGING	Field Geo Services Inc	1,620.00	Mud Loggers (\$1620 daily)
	0650	8868	RENTAL EQUIPMENT (DOWNHOLE)	Quail Tools LP	0.00	THREE XT39 PUP JTS 5',10',15' RETURNED TO QUAL ON 7/20/2019
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	390.00	FRAC TANK DAILY COST AND 1 OPEN TOP (ALL AT 30 A DAY)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Totco	738.50	EDR
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	250.00	H&P RENTED LOADER AND MANLIFT
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Sun Coast Resources Inc	0.00	Portable Fuel Tank
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	150.00	VBR RENTAL \$150 A DAY
	0650	8869	RENTAL EQUIPMENT (SURFACE)	JST - Johnson Specialty Tools	1,020.00	DIESEL PW-\$45, OBM CONT-\$140, OBM FRAC \$35 X 6, 6X8 PUMP \$110, MUD VAC \$110, 6X6 PUMP \$85, MANIFOLDS \$20 X 1, WBM FRAC \$35 X 8 (NO MAGNETS)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Thomas Tools	127.00	INLINE SCREEN DAILY RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Safety Solutions LLC	70.00	Daily cost on H2S Monitoring System (\$70/day) (Safety)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Black Diamond Oilfield Services	0.00	Camp Generator
	0650	8869	RENTAL EQUIPMENT (SURFACE)	PRT Rental	35.00	Spacer Spool
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	600.00	Daily on 5 light plants (B AND B) \$60. ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Weatherford International Llc	670.00	WEATHERFORD ROTATING HEAD \$400, EXTRA BEARING, \$100, ORBIT VALVE, \$100, STRIPPING RUBBERS \$35 EA X 2. \$670 / DAY TOTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	190.00	Daily on communications. \$190.00 / DAY
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	50.00	2 PORTA-JOHNS \$25.ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	85.00	6X6 PUMP RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	325.00	Daily rental for choke and flare line package \$325/day each
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	RENTAL ON LOADER (B & B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	Premix Tank (B AND B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	30.00	Daily on trash trailer (GLEZZ) \$30 ea/day
	0650	8760	RIG DAYWORK	Helmerich & Payne Inc.	24,923.04	Rig Operation Day Rate \$24,923 / DAY
	0650	8295	RIG MOVING RATE	Helmerich & Payne Inc.	0.00	Rig Mobilization Rate
	0650	8994	SOLIDS CONTROL - SERVICES	Kayden Industries	3,733.33	Solids Control Equipment and onsite Techs charges up to current (\$3,733.33 WBM). #,(\$3100 RIG UP.
	0650	8917	WELLSITE SUPERVISION	Lindley Consulting LLC	0.00	Supervision Nights- Chris Lindley
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	0.00	Supervision- Lance Fatheree
	0650	8917	WELLSITE SUPERVISION	WPX Energy	800.00	Shared superintendant/Foreman day rate for Keith Robert, Stan, Mark \$800 per day
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	2,000.00	Supervision- Ian Ensell
	0650	8917	WELLSITE SUPERVISION	Crescent Consulting Llc	1,975.00	Supervision Nights- Jacob Hinojosa
				Daily Total		142,087.36
				Cumulative Total		2,924,688.26
NPT SUMMARY						
Start date/time		End date/time	Title	Description		Duration (hr)
7/26/2019 6:00:00PM			PJSM WITH VES & RIG UP WIRELINE SHEAVES TO CROWN	WIRELINE OPERATIONS		6.00
7/26/2019 2:00:00PM		7/26/2019 6:00:00PM	WAITING ON WIRELINE TRUCK	COULD NOT UNSTING FROM LINER HANGER.		4.00

WPX Energy

Daily Drilling Report

WELL NAME:	UNIVERSITY 32-411H	AFE #:	190635	AFE \$:	3,513,250	LANDING PNT	12,011(usf	REPORT#:	24	DATE:	7/27/2019
FIELD:	PHANTOM	SIDETRACK:	00	DAILY COST \$:	184,798	LATERAL SEC:	4,643.00	DFS:	19.91		
EVENT:	DRILLING	LOCATION:		CUM COST \$:	3,109,487	TD (MD):	16,890.0	LITHOLOGY:			
OBJECTIVE:	DEVELOPMENT	CTY,ST:	WINKLER,TEXAS	DAILY MUD	0	TD (TVD):	11,884.6	FORMATION:		Wolfcamp A	
ENGINEER:	Justin Barmore	ROT HRS:	0.00	CUM MUD	0	SPUD DATE::	6/12/2019	DIESEL (MUD DIESEL):	50	/	17,552
TODAY'S DEPTH:	16,890 (usft)	CUM ROT:	223.00	+/- PLAN:		RR DATE :		DIESEL (RIG FUEL):	869	/	40,167
PREV. DEPTH:	16,890 (usft)			RIG::	H&P 314			SUPERVISOR:	Ian Ensell		
PROGRESS:	(usft)	WEATHER:						SUPERVISOR PH. #:	1-405-423-1705		
PRESENT OPERATION:	RELEASE RIG 7/27/2019 @ 12:30 PM										
OPERATION FORECAST:	WALK RIG BACK TO UNIVERSITY 41 #411H.										
CSG / WELL CONTROL		DRLG DATA				DOWNTIME:		BIT RECORD			
LAST CASING:	7.000(in)	ST WT UP		PRESS		LOSS TIME (hrs):	36.00	BIT #		RPM	
DEPTH:	12,011(usft)	ST WT DN		RATE		LOSS TIME INC:	9.00	SIZE		HHP	
LAST BOP:	7/19/2019	ST WT ROT		DP AV		NEAR MISSES:	0.00	TYPE		P BIT	
LOT EMW:		TQ ON BTM		DC AV		24 HR RIG DOWN:	0.00	JETS	-		
WEIGHT LB/FT:	29(ppf)	TQ OFF BTM				CUM RIG DOWN	1.50	DEPTH IN			
CONN:	BTC							DEPTH OUT			
PUMP DATA								ROP-last 24 I			
PUMP #	MANU		LINER	STROKE	PRESSURE	GPM		CUM. FT			
1	GARDENER-DENVER		5.000	11	100.00	5,596.0		CUM. HRS			
2	GARDENER-DENVER		5.000	11	0.00	0.0		ROP/Cum-ent			
3	GARDENER-DENVER		5.000	11	0.00	0.0		WOB	-		
SURVEY DATA								DULL CONDITION			
MD	INCL	AZIM	TVD	N/S(-)	E/W(-)	VS	DLS	I	O	D	L B R G T
16,836.00	89.20	343.00	11,883.89	4,415.81	-2,114.67	4,415.81	6.30				
16,792.00	91.70	344.20	11,884.23	4,373.61	-2,102.25	4,373.61	4.21				
16,698.00	87.90	343.10	11,883.91	4,283.43	-2,075.79	4,283.43	1.37				
16,603.00	87.40	344.30	11,880.01	4,192.33	-2,049.15	4,192.33	1.48				
16,509.00	88.60	345.00	11,876.73	4,101.74	-2,024.28	4,101.74	0.67				
MUD ADDITIVES											
PRODUCT		AMOUNT	PRODUCT		AMOUNT	PRODUCT		AMOUNT	PRODUCT		AMOUNT
MUD DATA											
Date: 7/27/2019 6:00:00PM		MUD TYPE INVERT		CHECK DEPTH 16,890		FL TEMP		WATER 14.00 (%)	OIL 60.50 (%)	SAND (%)	
GELS (10.0/22.0		Filter Cak 2.0 (32nd")		HTHP 10.0		MW 13.35		VISC 60.00	TEMP 150.00	ECD	
PV/YP 23.0/12.0		MBT		pH	Pm	Pf	Mf	Cl-	Total Hard	K+	
Lubricant (%)		ES 740.0		WPS		CaCl2 25.1		WATER 19.00 (%)	OIL 81.00 (%)	HGS 19.05 (%)	
LGS 5.22 (%)		SOLIDS 25.50 (%)									
COMMENTS											
MUD GAS DATA											
CONNECTION MAX 0.00				TRIP MAX				BACKGROUND MAX 0.00		0.00	
CURRENT BHA											
DESCRIPTION		NUMBER	LENGTH	DRILL ROT	DRILL SLIDE	P/U	S/O	ROT	TORQUE	OD	ID TOP CON SIZE
BHA HRS 0.00		MTR HRS 0.00									
JAR HRS		MWD Hrs 0.00									
OPERATIONS (00:00)											
OPERATION COMMENT			FINISH RUNNING IN WITH FREE POINT CHARGE WORKED 10,000 FT LBS OF TORQUE, TEN WRAPS TO THE LEFT AND FREE POINT AT 7,710. PULLED WIRELINE OUT OF HOLE AND R/D VES WIRELINE. CIRCULATED BTMS UP, FLOW CHECK NO FLOW. DISPLACED OBM WITH BRINE WATER. RECOVERED 40 BBLS MUD PUSH, NO CEMENT. TOOH F/7,710' - T/0' (TOOH WITH TOTAL OF 81 STANDS AND A SINGLE, RECOVERED 7,686' OF DRILL PIPE). P/U WEAR BUSHING PULLER AND PULL WEAR BUSHING, ATTEMPT TO INSTAL BACK PRESSURE VALAVE BUT ATTEMPTS FAILED. NIPPLE DOWN BOP - REMOVE TURN BUCKLES, FLOW LINE, LOOSEN QDC SPEEDHEAD, LIFT STACK, RIG DOWN PANIC LINE AND FLARE LINE. CLEAN UP THREADS FOR BPV AND INSTALL BPV - SUCCESSFUL INSTALL. NSTALL TUBING HEAD TEST SEALS TO 10K FOR 15 MIN & VERIFIED BY COMP REP, TESTED VOID TO 5K FOR AN ADDITIONAL 15 MIN (GOOD). INSTALL GAUGES & RELEASE RIG @ 12:30 7/27/2019								
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS				
00:00	01:00	16,890.00	16,890.00	19	NP	F_PRO	FINISH RUNNING IN WITH FREE POINT CHARGE WORKED 10,000 FT LBS OF TORQUE, TEN WRAPS TO THE LEFT AND FREE POINT AT 7,710'. PULLING WIRELINE OUT OF THE HOLE AT REPORT TIME.				
01:00	02:00	16,890.00	16,890.00	19	NP	F_PRO	RIG DOWN VES WIRELINE TOOL, REMOVE WIRELINE FROM TOP DRIVE, REMOVE SHEAVE FROM CROWN, RIG DOWN WIRELINE TRUCK				
02:00	02:30	16,890.00	16,890.00	05	P	F_PRO	CIRCULATE BOTTOMS @ 7710' AT 100 STROKES/MIN, 2050 PSI, FLOW CHECKED WELL - STATIC				
02:30	03:30	16,890.00	16,890.00	05	P	F_PRO	DISPLACE OUT OBM WITH 10# BRINE - FLOW CHECK WELL STATIC, RECOVERED 40 BBLS MUD PUSH, NO CEMENT				
03:30	06:30	16,890.00	16,890.00	06	P	F_PRO	TOOH F/7,710' - T/1,060' - NO ISSUES, NO VISIBLE SIGNS OF CEMENT OR OTHER OBSTRUCTIONS ON DRILL STRING				
06:30	07:00	16,890.00	16,890.00	21	P	F_PRO	REMOVE ROTATING HEAD				
07:00	07:30	16,890.00	16,890.00	06	P	F_PRO	TOOH F/1,060' - T/SURFACE - TOOH WITH TOTAL OF 81 STANDS AND A SINGLE, RECOVERED 7,686' OF DRILL PIPE				
							LOST DOWN HOLE - 65 JOINTS OF 4" XT39 DRILL PIPE FROM H&P, NO THIRD PARTY RENTAL PIPE 45 JOINTS OF 4" XT39 HWDP RENTED FROM WORKSTRINGS INTERNATIONAL				
07:30	09:30	16,890.00	16,890.00	21	P	F_PRO	P/U WEAR BUSHING PULLER AND PULL WEAR BUSHING, P/U WASH TOOL AND WASH AT 50 SPM AND 10 RPM, L/D WASH TOOL AND PULL BIT GUIDE, ATTEMPTED TO INSTALL BPV - SERIAL NUMBER HBC 83-1, UNABLE TO INSTALL, RETRIEVE BPV AND WASH AGAIN, ATTEMPT TO REINSTALL, UNABLE TO SCREW IN BPV				
09:30	10:30	16,890.00	16,890.00	14	P	F_PRO	PJSM AND NIPPLE DOWN BOP - REMOVE TURN BUCKLES, FLOW LINE, LOOSEN QDC SPEEDHEAD, LIFT STACK, RIG DOWN PANIC LINE AND FLARE LINE				
10:30	11:00	16,890.00	16,890.00	14	P	F_PRO	CLEAN UP THREADS FOR BPV AND INSTALL BPV - SUCCESSFUL INSTALL				
11:00	12:30	16,890.00	16,890.00	22	P	F_PRO	INSTALL TUBING HEAD TEST SEALS TO 10K FOR 15 MIN & VERIFIED BY COMP REP, TESTED VOID TO 5K FOR AN ADDITIONAL 15 MIN (GOOD). INSTALL GAUGES & RELEASE RIG @ 12:30 7/27/2019				

Printed: 07/28/2019 5:35:56AM

24 HOUR SUMMARY

UNIVERSITY 32 #411H

DFS: 19.91

DOL: 49.00

DRILLS / HSE:

REGULATORY:

SAFETY TOPIC: FREEPOINT OPERATIONS, OVERHEAD LOADS ,TRIPPING PIPE, HAND PLACEMENT.

NPT Daily: 2 HRS

NPT Gross: 36 HR

CURRENT OPS: RELEASE RIG 7/27/2019 @ 12:30 PM

24 HR SUMMARY: FINISH RUNNING IN WITH FREE POINT CHARGE WORKED 10,000 FT LBS OF TORQUE, TEN WRAPS TO THE LEFT AND FREE POINT AT 7,710. PULLED WIRELINE OUT OF HOLE AND R/D VES WIRELINE. CIRCULATED BTMS UP, FLOW CHECK NO FLOW. DISPLACED OBM WITH BRINE WATER. RECOVERED 40 BBLs MUD PUSH, NO CEMENT. TOOH F/7,710' - T/0' (TOOH WITH TOTAL OF 81 STANDS AND A SINGLE, RECOVERED 7,686' OF DRILL PIPE). P/U WEAR BUSHING PULLER AND PULL WEAR BUSHING, ATTEMPT TO INSTAL BACK PRESSURE VALAVE BUT ATTEMPTS FAILED. NIPPLE DOWN BOP - REMOVE TURN BUCKLES, FLOW LINE, LOOSEN QDC SPEEDHEAD, LIFT STACK, RIG DOWN PANIC LINE AND FLARE LINE. CLEAN UP THREADS FOR BPV AND INSTALL BPV - SUCCESSFUL INSTALL. NSTALL TUBING HEAD TEST SEALS TO 10K FOR 15 MIN & VERIFIED BY COMP REP, TESTED VOID TO 5K FOR AN ADDITIONAL 15 MIN (GOOD). INSTALL GAUGES & RELEASE RIG @ 12:30 7/27/2019

FOOTAGE LAST 24 HRS: '

ROP: FPH

ROTATE: ' %

SLIDE: ' %

LAST SURVEY: 16,836', INC: 89.2°, AZM: 343.0°, TVD: 11883.72', DLS: 6.30°

BIT PROJECTION: 16,890', INC: 89.2°, AZM: 343.0°, 5' BELOW & 11' LEFT

MUD PROPERTIES: MW: 13.3+, VIS: 60, YP: 12, O/W: 81/19, LGS: 5.22, WPS: 251,137, ES: 740, 6/3: 10/9

LAST LITHOLOGY: 16850 - 16890 MD 100% SHALE

FORMATION TOPS:	MD	TVD
BELL CANYON (BASE OF SALT)	5,157'	5,133'
CHERRY CANYON	6,837'	6,352'
BRUSHY CANYON	7,489'	7,442'
BONE SPRING	8,771'	8,715'
AVALON	8,811'	8,755'
1ST BONE SPRING SAND	9,791'	9,735'
2ND BONE SPRING LIME	9,917'	9,861'
2ND BONE SPRING SAND	10,515'	10,459'
3RD BONE SPRING LIME	10,673'	10,616'
3RD BONE SPRING SAND	11,393'	11,335'
WOLFCAMP TOP	11,762'	11,645'
WOLFCAMP X	11,805'	11,673'
WOLFCAMP Y	11,954'	11,752'
WOLFCAMP A	11,975'	11,762'

TOP TARGET

LANDING POINT

BASE TARGET

RIG KB: 25.5'

20" CONDUCTOR SET @ 105'

SURFACE SPUDDED @ 0330HRS 6/12/2019

13-3/8" SET AT 494.7'

9-5/8" SET @ 5,220'

KICK-OFF POINT @ 11,273'

7" SET @ 12,011'

LAND CURVE @ 12,247'

TD @ 16,890' @ 10:00 7/24/2019

4-1/2" SET @ 16,888'

RIG RELEASE @ 7/27/2019 @ 12:30 PM

BROUGHT IN 240 BBLs OF FRESH WATER FOR FRAC TANKS - TOTAL1810 BBLs

BROUGHT IN 0 BBLs OF CITY WATER FOR CEMENT TANKS - TOTAL 1560 BBLs

BROUGHT IN 0 BBLs OF FRESH WATER FOR RIG TANK - TOTAL 1250 BBLs

HAULED TO DISPOSAL 0 BBLs DISPLACEMENT WATER - TOTAL 1060 BBLs

DAY DSM: IAN ENSELL

NIGHT DSM: JACOB HINOJOSA

DAILY COST						
Class	Code	Subcode	Description	Vendor	Daily Cost	Comment
	0652	8810	CASING (INT1)	B&L Pipe	0.00	9 5/8, 40# J-55 Casing \$25.78
	0652	8820	CASING (INT2)	B & L Pipeco Services	0.00	7" 29# VA-XP-P100 CASING \$24.80
	0652	8889	CASING (SURF)	B&L Pipe	0.00	13 3/8, 54.5# J-55 Casing \$35.84
	0652	8739	CASING/LINER (PROD)	*New Vendor	0.00	(PREMIER PIPE) 4 1/2" 13.5# HCP110 CDC-HTQ \$13.59/ft
	0650	8790	CONTINGENCY	WPX Energy	13,688.78	8% overage
	0650	8757	DIRECTIONAL EQUIPMENT - SERVICES	MS Energy Services	5,300.00	Directional Daily Cost - (standby rate \$5300) ADJUSTMENTS MADE FOR END OF WELL COSTS
	0650	8758	DRILL FLUIDS & CHEMICALS - MATERIALS	Stellar Drilling Fluids	0.00	Mud materials and tax , Treated oil base mud in OBM tank farm
	0650	8989	DRILL FLUIDS & CHEMICALS - SERVICES	Stellar Drilling Fluids	1,003.45	24 hour Service 940.00 PLUS TAX PLUS BLOWER RENTAL \$45.00
	0650	8166	DYED DIESEL	Sun Coast Resources Inc	14,142.41	5920 GAL OF RIG FUEL SO#6039386.
	0650	8783	FLUID & CUTTINGS DISPOSAL	Republic Services	0.00	NO MORE DAILY RENTAL ALL IN ONE PRICE \$850 PER BIN (BIN SWAP) FROM MARCH
	0652	8855	LINER HANGER & TOE SLEEVE	Baker Hughes Oilfield Operations I	72,214.91	BAKER HUGHES PROD LINER HANGER SO#0109931194
	0650	8823	LIVING FACILITIES & SANITATION	Black Diamond Oilfield Services	560.00	BLACK DIAMOND Camps 6 camps plus 1 transformer
	0650	8803	MAN CAMP	WPX Energy	80.00	Shared - Superintendant housing \$80 per day on each rig
	0650	8837	MUD LOGGING	Field Geo Services Inc	1,620.00	Mud Loggers (\$1620 daily)
	0650	8868	RENTAL EQUIPMENT (DOWNHOLE)	Quail Tools LP	0.00	THREE XT39 PUP JTS 5',10',15' RETURNED TO QUAL ON 7/20/2019
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	150.00	VBR RENTAL \$150 A DAY
	0650	8869	RENTAL EQUIPMENT (SURFACE)	PRT Rental	35.00	Spacer Spool
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	RENTAL ON LOADER (B & B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	390.00	FRAC TANK DAILY COST AND 1 OPEN TOP (ALL AT 30 A DAY)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Totco	738.50	EDR
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	600.00	Daily on 5 light plants (B AND B) \$60. ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	85.00	6X6 PUMP RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	JST - Johnson Specialty Tools	1,020.00	DIESEL PW-\$45, OBM CONT-\$140, OBM FRAC \$35 X 6, 6X8 PUMP \$110, MUD VAC \$110, 6X6 PUMP \$85, MANIFOLDS \$20 X 1, WBM FRAC \$35 X 8 (NO MAGNETS)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Black Diamond Oilfield Services	0.00	Camp Generator
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Sun Coast Resources Inc	0.00	Portable Fuel Tank
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	30.00	Daily on trash trailer (GLEZZ) \$30 ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	325.00	Daily rental for choke and flare line package \$325/day each
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	250.00	H&P RENTED LOADER AND MANLIFT
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Safety Solutions LLC	70.00	Daily cost on H2S Monitoring System (\$70/day) (Safety)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Weatherford International Llc	670.00	WEATHERFORD ROTATING HEAD \$400, EXTRA BEARING, \$100, ORBIT VALVE, \$100, STRIPPING RUBBERS \$35 EA X 2.
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	375.00	\$670 / DAY TOTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Thomas Tools	127.00	Premix Tank (B AND B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	50.00	INLINE SCREEN DAILY RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	50.00	2 PORTA-JOHNS \$25.ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	190.00	Daily on communications. \$190.00 / DAY
	0650	8760	RIG DAYWORK	Helmerich & Payne Inc.	12,980.75	Rig Operation Day Rate \$24,923 / DAY
	0650	8295	RIG MOVING RATE	Helmerich & Payne Inc.	0.00	Rig Mobilization Rate
	0650	8994	SOLIDS CONTROL - SERVICES	Kayden Industries	3,733.33	Solids Control Equipment and onsite Techs charges up to current (\$3,733.33 WBM). #,(\$3100 RIG UP.
	0650	8742	TRUCKING	Major League Trucking	730.00	RETURN BAKER HUGHES CEMENT HEAD INV#12486 A
	0650	8718	TUBULAR INSPECTION	Helmerich & Payne Inc.	1,270.00	REPAIR 4" DP & MACHINE CUT ON 5" INV#86567
	0652	8918	WELLHEAD - MATERIALS	Cactus Wellhead Llc	42,392.35	LANDING RING, 13 3/8 CFL HGR, MBU-3T CFL HSG ASSY, DRILLING RENTAL TOOLS CHARGE, QC RENTAL ADAPTER PER WELL, 9 5/8 3T HGR/PACKOFF, 7" MBU-3T HGR/PACKOFF SRO#HBS0003584
	0650	8743	WELLHEAD - SERVICES	Cactus Wellhead Llc	2,259.00	N/U FLANGE TEST SEALS & VOIDDS. INSTAL BPV INV#0278991
	0650	8743	WELLHEAD - SERVICES	Edge Specialty Services	2,568.00	N/D & N/U T/A ASSEMBLY INV#19107
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	0.00	Supervision- Lance Fatheree
	0650	8917	WELLSITE SUPERVISION	Lindley Consulting LLC	0.00	Supervision Nights- Chris Lindley
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	2,000.00	Supervision- Ian Ensell
	0650	8917	WELLSITE SUPERVISION	Crescent Consulting Llc	1,975.00	Supervision Nights- Jacob Hinojosa
	0650	8917	WELLSITE SUPERVISION	WPX Energy	800.00	Shared superintendant/Foreman day rate for Keith Robert, Stan, Mark \$800 per day
				Daily Total	184,798.48	
				Cumulative Total	3,109,486.73	

NPT SUMMARY				
Start date/time	End date/time	Title	Description	Duration (hr)
7/26/2019 6:00:00PM	7/27/2019 2:00:00AM	PJSM WITH VES & RIG UP WIRELINE SHEAVES TO CROWN	WIRELINE OPERATIONS FIND FREEPOINT AND SEND DOWN CHARGE, BACK OUT OF DRILL PIPE	8.00