

WPX Energy																															
Daily Drilling Report																															
WELL NAME:		UNIVERSITY 41-411H		AFE #:		190634		AFE \$:		3,513,250		LANDING PNT:				REPORT#:		1		DATE:		6/12/2019									
FIELD:		PHANTOM		SIDETRACK:		00		DAILY COST \$:		54,800		LATERAL SEC:				DFS:		0.25													
EVENT:		DRILLING		LOCATION:				CUM COST \$:		54,800		TD (MD):		515.0		LITHOLOGY:															
OBJECTIVE:		DEVELOPMENT		CTY,ST:		WINKLER,TEXAS		DAILY MUD		0		TD (TVD):		515.0		FORMATION:															
ENGINEER:		Justin Barmore		ROT HRS:		5.00		CUM MUD		0		SPUD DATE::		6/12/2019		DIESEL (MUD DIESEL):		0		/		0									
TODAY'S DEPTH:		515 (usft )		CUM ROT:		5.00		+/- PLAN:				RR DATE :				DIESEL (RIG FUEL):		375		/		375									
PREV. DEPTH:		(usft )						RIG::		H&P 314						SUPERVISOR:		Lance Fatheree													
PROGRESS:		410 (usft )		WEATHER:												SUPERVISOR PH. #:		405-423-1705													
PRESENT OPERATION:		R/D PAR-FIVE CEMENTERS																													
OPERATION FORECAST:		RACK BACK BHA. R/U AND RUN 13.375" 54# J-55 BTC CASING. CEMENT SAME AND INSTALL WELLHEAD AND CAP. RELEASE RIG TO UNIVERSITY 40 #411H																													
CSG / WELL CONTROL				DRLG DATA				DOWNTIME:				BIT RECORD																			
LAST CASING:				ST WT UP		80.0		PRESS		1,125.00		LOSS TIME (hrs):		0.00		BIT #		1		RPM		0									
DEPTH:				ST WT DN		70.0		RATE		800.0		LOSS TIME INC:		0.00		SIZE		17-1/2 (")		HHP		75.01									
LAST BOP:				ST WT ROT		75.0		DP AV				NEAR MISSES:		0.00		TYPE		T606S		P BIT		161.88									
LOT EMW:				TQ ON BTM		14,000.0		DC AV				24 HR RIG DOWN:		0.00		JETS		9-16													
WEIGHT LB/FT:				TQ OFF BTM		3,000.0						CUM RIG DOWN		0.00		DEPTH IN		105.0													
CONN:																DEPTH OUT		515													
PUMP DATA														DULL CONDITION																	
PUMP #		MANU				LINER		STROKE		PRESSURE		GPM				ROP-last 24 I		82.0													
1		GARDENER-DENVER				6.000		11		1,750.00		264.8				CUM. FT		1,641.0													
2		GARDENER-DENVER				6.000		11		1,750.00		264.8				CUM. HRS		19.50													
3		GARDENER-DENVER				6.000		11		1,750.00		264.8				ROP/Cum-ent		82.0													
																WOB		10.0-40.0													
SURVEY DATA																															
MD		INCL		AZIM		TVD		N/S(-)		E/W(-)		VS		DLS		I		O		D		L		B		R		G		T	
443.00		0.70		356.60		442.98		4.20		0.51		4.20		0.11																	
350.00		0.80		357.60		349.98		2.99		0.57		2.99		0.44																	
258.00		0.40		0.80		257.99		2.02		0.59		2.02		0.48																	
166.00		0.80		19.10		165.99		1.10		0.38		1.10		0.48																	
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		PRODUCT		AMOUNT													
MUD DATA																															
Date: 6/12/2019 3:00:00PM		MUD TYPE WATER		CHECK DEPTH 105		FL TEMP 89.00		WATER 97.50 (%)		OIL (%)		SAND (%)																			
GELS ( 1.0/1.0		Filter Cake 1.0 (32nd")		HTHP		MW 8.70		VISC 27.00		TEMP 120.00		ECD																			
PV/YP 1.0/2.0		MBT		pH 8.00		Pm 0.01		Pf 0.01		Mf 0.20		Cl- 4300		Total Hard 200		K+															
Lubricant %		ES		WPS		CaCl2		WATER (%)		OIL (%)		HGS 0.21 (%)																			
LGS 2.04 (%)		SOLIDS 2.50 (%)																													
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									
		1		127.82		410.00				80.00		70.00		75.0		14,000.0															
Cross Over		0		4.17		X/O												6.81		2.88		4.50									
Float Sub		1		7.41		FILTER SUB												8.06		2.75		6.63									
Shock Sub		2		12.37		8" SHOCK SUB												8.06		3.00		6.63									
Non-Mag Drill Collar		3		30.40		8" NMDC												8.00		2.88		6.63									
Non-Mag Drill Collar		4		30.06		8" NMDC												8.00		2.88		6.63									
Universal Bottom Hole Orienter		5		4.70		UBHO												7.93		2.93		6.63									
Integral Blade Stabilizer		6		6.50		NM STAB 17"												16.63		2.81		6.63									
Bent Housing		7		30.21		MUD MOTOR 1.5 BEND, 6/7 5.0 ADJ W/ 17.0 STAB												9.56				7.63									
Polycrystalline Diamond Bit		8		2.00		17.5" T606S 9x16, Jets TFA 1.77												17.50				7.63									
BHA HRS 9.50		MTR HRS 9.50																													
JAR HRS		MWD Hrs 9.50																													
OPERATIONS (00:00)																															
OPERATION COMMENT				PREP, WALK RIG, AND CENTER OVER HOLE. RE-INSTALL MOUSEHOLE, CELLAR PUMP, AND PIN V-DOOR. PERFORM TDS INSPECTION. M/U 17 1/2" SURFACE BHA. DRILL 17.5" SURFACE HOLE FROM 105' MD TO 515' MD. PUMP 30 BBLS SWEEP AND CIRCULATE HOLE CLEAN. TOO H F/ 515' T/ 127'.																											
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS																								
15:00	15:30			01	P	MIRU	P/U MOUSEHOLE, CELLAR PUMP, AND V-DOOR. WALK CATWALK AND PREP TO WALK RIG.																								
15:30	16:00			01	P	MIRU	WALK RIG AND CENTER OVER HOLE.																								
16:00	16:30			01	P	MIRU	INSTALL MOUSEHOLE, CELLAR PUMP, AND PIN V-DOOR. HOOK UP GROUND WIRES. HOOK UP WATER TANK SUPPLY LINE.																								
16:30	17:30			21	P	MIRU	PERFORM TDS INSPECTION. FOUND TDS JACK BOLTS BACKED OFF AND FRAME NOT SQUARE. INSPECT WEAR PADS. LEVEL AND TIGHTEN. REPLACE COTTER PIN ON ELEVATOR BOLT.																								
17:30	18:00			06	P	MIRU	LATCH UP BHA IN DERRICK. M/U BIT. INSTALL MWD, SHOCK SUB, AND FILTER SUB. TAG @ 105' 17 1/2" Baker T606S, Jets 9 x 16's, TFA 1.77 9 5/8" 6/7 5.0 Stg Adj @ 1.83" W/ 16 5/8" Stab 16 5/8" Stab BFF 8" UBHO 8" NMDC W/ MWD 8" NMDC 8" Shock Sub 8" Filter Sub X-O																								
18:00	23:00	105.00	515.00	02	P	DRLSUR	DRILL 17.5" SURFACE HOLE FROM 105' MD TO 515' MD (410' @ 82' FPH) 400-800 GPM, 1750 PSI ON, 1150 PSI OFF 30-65 RPM, 14K TORQUE ON, 3K TORQUE OFF PU 85K, SO 75K, ROT 80K SURVEY EVERY ~90 FT MUD WEIGHT: 8.8 PPG IN, 8.8+ PPG OUT 28 VIS PUMP SWEEPS AS NEEDED																								
23:00	23:30			05	P	F_SUR	PUMP 30 BBLS 60 VIS SWEEP W/ NUT PLUG AND CIRCULATE HOLE CLEAN. HOLE WASHOUT ESTIMATED @ 33%. FLOW CHECK - WELL STATIC																								
23:30	00:00			06	P	F_SUR	TOOH F/ 515' T/ 127' NO TIGHT SPOTS OBSERVED MAX HOOKLOAD 80K																								

24 HOUR SUMMARY

DFS: 0.25  
DOL: 4  
DRILLS / HSE: N/A  
REGULATORY: NOTIFIED TRRC OFF UPCOMING SURFACE CSG / CEMENT JOB.

SAFETY TOPIC: CEMENTING, TRIPPING AND HEAT AWERNESS

NPT Daily: 0  
NPT Gross: 0

CURRENT OPS: R/D PAR-FIVE CEMENTERS.

24 HR SUMMARY:PREP, WALK RIG, AND CENTER OVER HOLE. RE-INSTALL MOUSEHOLE, CELLAR PUMP, AND PIN V-DOOR. PERFORM TDS INSPECTION. M/U 17 1/2" SURFACE BHA. DRILL 17.5" SURFACE HOLE FROM 105' MD TO 515' MD. PUMP 30 BBLS SWEEP AND CIRCULATE HOLE CLEAN. TOOH F/ 515' T/ 127'.

FOOTAGE LAST 24 HRS: 410'  
ROP: 82 FPH  
ROTATE: 100% 410'  
SLIDE: 0% 0'

LAST SURVEY 443.', INC: 0.7°, AZM: 356.6°, 442.98 TVD: , -3.89 VS: , 4.20 N/-S: , 0.51 E/-W: , 0.11 DLS:  
BIT PROJECTION: 515', INC: 0.7°, AZM: 297.5°, 514.97 TVD: , -4.75 VS: , 5.08 N/-S: , 0.46 E/-W: , 0 DLS:

MUD PROPERTIES: MW - 8.7, VIS - 27, pH - 8, Cl - 4300, LGS - 2.04

LAST LITHOLOGY:

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 @ 18:00 HRS 6/12/219  
13-3/8" SET AT 494.5'  
9-5/8" SET @  
7" SET @  
KICK-OFF POINT @  
LAND CURVE @  
TD @  
4-1/2" SET @  
RIG RELEASE @

BROUGHT IN 100 BBLS OF CITY WATER FOR CEMENT TANKS  
BROUGHT IN 0 BBLS OF FRESH WATER FOR RIG TANK  
HAULED TO DISPOSAL 0 BBLS

DAY DSM: LANCE FATHEREE  
NIGHT DSM: CHRIS LINDLEY

DAILY COST						
Class	Code	Subcode	Description	Vendor	Daily Cost	Comment
	0650	8730	ACCESS & LOCATION - SERVICES	*New Vendor	35,778.74	FOR BLUE SAGE SERVICES TO BUILD LOCATION
	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 S	1,350.00	CLEAN, DRIFT, AND TALLY 13 3/8" CASING #92659
	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	1,409.00	8% overage
	0650	8757	DIRECTIONAL EQUIPMENT - SERVICES	MS Energy Services	0.00	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	0.00	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	8911	FLUID HAULING	Glezz Trucking	1,407.67	TRANSFER FLUIDS F/ OLD LOCATION TO NEW LOCATION #15829
	0650	8823	LIVING FACILITIES & SANITATION	*New Vendor	0.00	BLACK DIAMOND Camps 6 camps plus 1 transformer
	0650	8803	MAN CAMP	WPX Energy	0.00	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)	Iron Horse Tools LLC	0.00	Daily rental for 2 chokes \$175/day each
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Totco	0.00	EDR
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	0.00	RENTAL ON LOADER (B & B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Sun Coast Resources Inc	0.00	Portable Fuel Tank
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	0.00	Daily on communications. \$190.00 / DAY
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Civeo USA, LLC	0.00	2 PORTA-JOHNS \$25.ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	0.00	Daily on 5 light plants (B AND B) \$60. ea/day X 10
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Pruitt	0.00	Pruitt-Rotating head, bowl and orbit valve
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	5,633.33	TRANSFER FRAC TANKS AND SETUP #15832
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Helmerich & Payne Inc.	0.00	H&P RENTED LOADER AND MANLIFT
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	0.00	FRAC TANK DAILY COST AND 1 OPEN TOP (ALL AT 25 A DAY X 14)
	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)	Iron Horse Tools LLC	0.00	Flare Stack, Flare lines,
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	0.00	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)	Safety Solutions LLC	0.00	Daily cost on H2S Monitoring System (\$70/day) (Safety)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	0.00	Daily on trash trailer (GLEZZ) \$25 ea/day X2
	0650	8760	RIG DAYWORK	Helmerich & Payne Inc.	9,221.51	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	0.00	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	Supervision- Lance Fatheree
	0650	8917	WELLSITE SUPERVISION	DECCA Consulting Inc	0.00	Supervision Nights- Mike Mello
	0650	8917	WELLSITE SUPERVISION	Bedrock Consulting Services	0.00	Supervision- Ian Ensell
	0650	8917	WELLSITE SUPERVISION	WPX Energy	0.00	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
				Daily Total	54,800.25	
				Cumulative Total	54,800.25	

WPX Energy																			
Daily Drilling Report																			
WELL NAME:	UNIVERSITY 41-411H		AFE #:	190634		AFE \$:	3,513,250		LANDING PNT		REPORT#:	2	DATE:	6/13/2019					
FIELD:	PHANTOM		SIDETRACK:	00		DAILY COST \$:	105,281		LATERAL SEC:		DFS:	1.25							
EVENT:	DRILLING		LOCATION:			CUM COST \$:	160,081		TD (MD):	515.0		LITHOLOGY:							
OBJECTIVE:	DEVELOPMENT		CTY,ST:	WINKLER,TEXAS		DAILY MUD	0		TD (TVD):	515.0		FORMATION:							
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:	5.00		+/- PLAN:			RR DATE :			DIESEL (RIG FUEL):		200 / 575					
PREV. DEPTH:		515 (usft )			RIG::		H&P 314				SUPERVISOR:		Lance Fatheree						
PROGRESS:		(usft )	WEATHER:								SUPERVISOR PH. #:		405-423-1705						
PRESENT OPERATION:		***RIG RELEASED TO UNIVERSITY 40-411H @ 06:00 ON 06/13/2019***																	
OPERATION FORECAST:		***RIG RELEASED TO UNIVERSITY 40-411H @ 06:00 ON 06/13/2019***																	
CSG / WELL CONTROL			DRLG DATA				DOWNTIME:			BIT RECORD									
LAST CASING:			ST WT UP		PRESS		LOSS TIME (hrs):		0.00		BIT #			RPM					
DEPTH:			ST WT DN		RATE		LOSS TIME INC:		0.00		SIZE			HHP					
LAST BOP:			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:			TQ OFF BTM				CUM RIG DOWN		0.00		DEPTH IN								
CONN:											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
443.00	0.70	356.60	442.98	4.20	0.51	4.20	0.11												
350.00	0.80	357.60	349.98	2.99	0.57	2.99	0.44												
258.00	0.40	0.80	257.99	2.02	0.59	2.02	0.48												
166.00	0.80	19.10	165.99	1.10	0.38	1.10	0.48												
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: 6/12/2019 3:00:00PM		MUD TYPE WATER		CHECK DEPTH 105		FL TEMP 89.00		WATER 97.50 (%)		OIL (%)		SAND (%)							
GELS ( 1.0/1.0		Filter Cake 1.0 (32nd")		HTHP		MW 8.70		VISC 27.00		TEMP 120.00		ECD							
PV/YP 1.0/2.0		MBT		pH 8.00 Pm 0.01		Pf 0.01 Mf 0.20		Cl- 4300		Total Hard 200		K+							
Lubricant %		ES		WPS		CaCl2		WATER (%)		OIL (%)		HGS 0.21 (%)							
LGS 2.04 (%)		SOLIDS 2.50 (%)																	
COMMENTS																			
MUD GAS DATA																			
CONNECTION MAX				TRIP MAX						BACKGROUND MAX									
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		1	127.82																
Cross Over		0	4.17	X/O							6.81	2.88	4.50						
Float Sub		1	7.41	FILTER SUB							8.06	2.75	6.63						
Shock Sub		2	12.37	8" SHOCK SUB							8.06	3.00	6.63						
Non-Mag Drill Collar		3	30.40	8" NMDC							8.00	2.88	6.63						
Non-Mag Drill Collar		4	30.06	8" NMDC							8.00	2.88	6.63						
Universal Bottom Hole Orienter		5	4.70	UBHO							7.93	2.93	6.63						
Integral Blade Stabilizer		6	6.50	NM STAB 17"							16.63	2.81	6.63						
Bent Housing		7	30.21	MUD MOTOR 1.5 BEND, 6/7 5.0 ADJ W/ 17.0 STAB							9.56		7.63						
Polycrystalline Diamond Bit		8	2.00	17.5" T606S 9x16, Jets TFA 1.77							17.50		7.63						
BHA HRS		MTR HRS 0																	
JAR HRS		MWD Hrs																	
OPERATIONS (00:00)																			
OPERATION COMMENT			RACK BACK BHA. PJSM AND R/U CASING CREW. RUN 13.375" 54.5# J-55 BTC CASING T/ 494.5'. R/D CASING RUNNING TOOLS AND R/U PAR-FIVE CEMENT HEAD. CIRCULATE 1.5X CASING CAPACITY. PJSM W/ PAR-FIVE CEMENTERS. CEMENT 13 3/8" CASING W/ 40 BBLs DYED GEL SPACER, 154 BBLs (644 SKS) 14.8# CEMENT, DROP PLUG AND DISPLACE W/ 70 BBLs 10.0 BRINE, 60 BBLs (251 SKS) OF CEMENT TO SURFACE. R/D PAR-FIVE CEMENTERS. L/D LANDING JT AND R/D CASING ELEVATORS AND BALES. PREPARE TO WALK RIG. P/U V-DOOR, WALK CATWALK, AND PULL MOUSEHOLE. SET WELLHEAD AND TEST TO 5K - GOOD. SET T/A CAP.***RIG RELEASED TO UNIVERSITY 40-411H @ 06:00 ON 06/13/2019***																
FROM	TO	MD from	MD to	CODE	CLASS	PHASE	OPERATIONS												
00:00	01:00			06	P	F_SUR	L/D FILTER SUB AND SHOCK SUB. REMOVE MWD AND BREAK BIT. RACK BACK REMAINING BHA.												
01:00	01:30			12	P	F_SUR	PJSM W/ SOUTHERN CONNECTIONS CASING CREW AND R/U CASING RUNNING TOOLS.												
01:30	03:00			12	P	F_SUR	RUN 13.375" 54.5# J-55 BTC CASING AS FOLLOWS: M/U SHOE JT W/ PRE BUCKED FLOAT SHOE AND FLOAT COLLAR. M/U 1 JT CASING AND TEST FLOATS - GOOD. RUN A TOTAL OF 11 JTS AND 1 PUP. P/U LANDING JT AND LAND W/ SHOE @ 494.5' AND FLOAT COLLAR @ 450'. TORQUE JTS TO 4,500 FT/LBS. THREAD REP OR TORQUE TURN NOT PRESENT CENTRALIZERS PLACED 5' ABOVE FLOAT SHOE, 5' ABOVE FLOAT COLLAR, ACROSS NEXT 3 CONNECTIONS, AND EVERY 4TH JOINT TO SURFACE.												
03:00	03:30			05	P	F_SUR	R/D CASING RUNNING TOOLS AND R/U PAR-FIVE CEMENT HEAD. CIRCULATE 1.5X CASING CAPACITY @ 8 BPM W/ FULL RETURNS - 370 PSI.												
03:30	04:00			12	P	F_SUR	PJSM W/ PAR-FIVE CEMENTERS AND R/U HARD LINES TO CEMENT HEAD.												
04:00	05:00			12	P	F_SUR	CEMENTED 13 3/8" CASING AS FOLLOWS: FILL LINE AND TEST TO 2000 PSI. PUMP 40 BBLs DYED GEL SPACER, 154 BBLs (644 SKS) 14.8# CEMENT 1.34 YEILD 150% EXCESS. DROP PLUG AND DISPLACE W/ 70 BBLs 10.0 PPG BRINE. RECIEVED ALL DYED GEL SPACER TO SURFACE ALONG WITH 60 BBLs (251 SKS) OF CEMENT. NO LOSSES ENDURED DURING JOB. FLP 200 PSI @ 3 BPM. BUMPED PLUG ON TIME 600 PSI OVER TO 800 PSI. FLOATS HELD - 0.5 BBL BLED BACK.												
05:00	06:00			12	P	F_SUR	R/D PAR-FIVE CEMENTERS. L/D LANDING JT AND R/D CASING ELEVATORS AND BALES. PREPARE TO WALK RIG. P/U V-DOOR, WALK CATWALK, AND PULL MOUSEHOLE. SET WELLHEAD AND TEST TO 5K - GOOD. SET T/A CAP.***RIG RELEASED TO UNIVERSITY 40-411H @ 06:00 ON 06/13/2019***												

24 HOUR SUMMARY

DFS: 0.5  
DOL: 5  
DRILLS / HSE: N/A  
REGULATORY:

SAFETY TOPIC: GOOD COMMUNICATION, BUFFER ZONES, HOUSEKEEPING

NPT Daily: 0  
NPT Gross: 0

CURRENT OPS: RIG RELEASED TO UNIVERSITY 40-411H @ 06:00 ON 06/13/2019

24 HR SUMMARY:RACK BACK BHA. PJSM AND R/U CASING CREW. RUN 13.375" 54.5# J-55 BTC CASING T/ 494.5'. R/D CASING RUNNING TOOLS AND R/U PAR-FIVE CEMENT HEAD. CIRCULATE 1.5X CASING CAPICITY. PJSM W/ PAR-FIVE CEMENTERS. CEMENT 13 3/8" CASING W/ 40 BBLS DYED GEL SPACER, 154 BBLS (644 SKS) 14.8# CEMENT, DROP PLUG AND DISPLACE W/ 70 BBLS 10.0 BRINE, 60 BBLS (251 SKS) OF CEMENT TO SURFACE. R/D PAR-FIVE CEMENTERS. L/D LANDING JT AND R/D CASING ELEVATORS AND BALES. PREPARE TO WALK RIG. P/U V-DOOR, WALK CATWALK, AND PULL MOUSEHOLE. SET WELLHEAD AND TEST TO 5K - GOOD. SET T/A CAP.  
\*\*\*RIG RELEASED TO UNIVERSITY 40-411H @ 06:00 ON 06/13/2019\*\*\*

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

LAST SURVEY 443.', INC: 0.7°, AZM: 356.6°, 442.98 TVD: , -3.89 VS: , 4.20 N/-S: , 0.51 E/-W: , 0.11 DLS:  
BIT PROJECTION: 515', INC: 0.7°, AZM: 297.5°, 514.97 TVD: , -4.75 VS: , 5.08 N/-S: , 0.46 E/-W: , 0 DLS:

MUD PROPERTIES: MW - 8.7, VIS - 27, pH - 8, CI - 4300, LGS - 2.04

LAST LITHOLOGY:

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 @ 18:00 HRS 6/12/219  
13-3/8" SET AT 494.5'  
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  
BROUGHT IN 240 BBLS OF FRESH WATER FOR RIG TANK  
HAULED TO DISPOSAL 0 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	16,482.46	13 3/8, 54.5# J-55 Casing \$35.84
	0650	8734	CASING CREWS & TOOLS	Southern Connections & Services I	5,675.00	13 3/8" CASING RUN #9680
	0652	8739	CASING/LINER (PROD)	B&L Pipe	0.00	4 1/2" 13.5# HCP110 CDC-HTQ \$12.96/ft
	0650	8400	CEMENT (SURF) - MATERIALS	PAR-FIVE Energy	9,673.29	13 3/8" CEMENT MATERIALS
	0650	8891	CEMENT (SURF) - SERVICES	PAR-FIVE Energy	11,677.52	13 3/8" CEMENT SERVICES
	0650	8781	CENTRALIZERS & FLOAT EQUIP (SURF) (INT1) (	B & L Pipeco Services	4,903.74	float shoe and float collar
	0650	8790	CONTINGENCY	WPX Energy	7,798.59	8% overage
	0650	8757	DIRECTIONAL EQUIPMENT - SERVICES	MS Energy Services	0.00	Directional Daily Cost - (standby rate \$5300) ADJUSTMENTS MADE FOR END OF WELL COSTS
	0650	8758	DRILL FLUIDS & CHEMICALS - MATERIALS	Stellar Drilling Fluids	2,229.09	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	18,025.51	7146 GAL RIG DIESEL @ \$2.5217 / GAL +\$5.45 LOADING FEE #5969324
	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	8783	FLUID & CUTTINGS DISPOSAL	Glezz Trucking	1,945.00	#15896, 15905 FOR DISPOSAL
	0650	8911	FLUID HAULING	Glezz Trucking	11,947.00	#15894, 15895, 15902, FOR FLUID HUALING
	0650	8823	LIVING FACILITIES & SANITATION	*New Vendor	0.00	BLACK DIAMOND Camps 6 camps plus 1 transformer
	0650	8803	MAN CAMP	WPX Energy	0.00	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	0.00	2 PORTA-JOHNS \$25.ea/day
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	0.00	Daily on trash trailer (GLEZZ) \$25 ea/day X2
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Glezz Trucking	0.00	FRAC TANK DAILY COST AND 1 OPEN TOP (ALL AT 25 A DAY X 14)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Totco	0.00	EDR
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Thomas Tools	127.00	INLINE SCREEN DAILY RENTAL
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	0.00	RENTAL ON LOADER (B & B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	0.00	Flare Stack, Flare lines,
	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)	Safety Solutions LLC	0.00	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)	Helmerich & Payne Inc.	0.00	H&P RENTED LOADER AND MANLIFT
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Pruitt	0.00	Pruitt-Rotating head, bowl and orbit valve
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Black Diamond Oilfield Services	0.00	Camp Generator
	0650	8869	RENTAL EQUIPMENT (SURFACE)	Iron Horse Tools LLC	0.00	Daily rental for 2 chokes \$175/day each
	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)	Civeo USA, LLC	0.00	Daily on communications. \$190.00 / DAY
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	0.00	Premix Tank (B AND B)
	0650	8869	RENTAL EQUIPMENT (SURFACE)	B & B Rentals LLC	0.00	Daily on 5 light plants (B AND B) \$60. ea/day X 10
	0650	8760	RIG DAYWORK	Helmerich & Payne Inc.	9,221.51	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	0.00	Solids Control Equipment and onsite Techs charges up to current (\$3,733.33 WBM). #,(\$3100 RIG UP.
	0650	8743	WELLHEAD - SERVICES	Chris Burns Welding LLC	960.00	#041615 TO WELD LANDING RING ON CONDUCTOR
	0650	8743	WELLHEAD - SERVICES	Cactus Wellhead Llc	2,651.75	LAND SURFACE CASING AND INSTALL WELLHEAD #0237645
	0650	8743	WELLHEAD - SERVICES	Chris Burns Welding LLC	960.00	CUTOFF CONDUCTOR AND WELD ON LANDING RING #041615
	0650	8917	WELLSITE SUPERVISION	DECCA Consulting Inc	0.00	Supervision Nights- Mike Mello
	0650	8917	WELLSITE SUPERVISION	WPX Energy	0.00	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	Bedrock Consulting Services	0.00	Supervision- Lance Fatheree
	0650	8917	WELLSITE SUPERVISION	Lindley Consulting LLC	0.00	Supervision Nights- Chris Lindley
				Daily Total	105,280.90	
				Cumulative Total	160,081.15	