

BIFFLE WATER WELL SERVICE										MORNING REPORT										DATE 2012-10-13		RIG NO. 893		JOB TYPE		JOB NO.		WELL TYPE			
WELLNAME UNIVERSITY 43-22-7H										LEGAL DESCRIPTION										SPUD DATE / TIME				DAYS FR SPUD				PROJECTED TD			
OPERATOR E & P COMPANY, LLC										COUNTY / PARISH Irion										STATE TX		JOB START DATE 10/13/12 06:00				DAYS ON JOB				EST. RELEASE	
RIG MANAGER RICHARD KENNINGTON										RIG PHONE NUMBER 940-634-0693				OPERATORS REPRESENTATIVE				CO. MAN PH NO.				RELEASE DATE / TIME				WEATHER					
OPERATIONS @ REPORT TIME										OPERATIONS NEXT 24 HRS																					
SAFETY	ACCIDENTS OR NEAR MISSES:										# OF JSA's 0		RIG SAFETY DAYS		SAFETY RATE		G.P.S. COORDINATES N 0 E 0				BOP TEST DATE / PRESSURE										
	SAFETY MEETING TOPICS										# STOP CARDS 0		LAST MEETING DATE				CROWN-O-MATIC CHECKED				BOP DRILL DATE / TIME										
	LAST INSPECTION		INSPECTION BY / TITLE				CREW M / U		EXTRA CREWS / WHY?				OFFICE NOTIFIED		MANHOURS PAST 24				BOP DRILL DATE / TIME												
OPS	CURRENT DEPTH		FOOTAGE LAST 24		PEN. RATE		ROT. HRS		MAX. GAS		BCKGR GAS		CONN. GAS		TRIP GAS		LAST CASING SIZE & SET DEPTH				RIG COSTS										
	HOOKLOAD		PICKUP WEIGHT		SLACKOFF		ROTATING		ROTARY TORQUE		NEXT CASING SIZE & SET DEPTH				DAILY		S & R		RENTAL												
MUD	Time		Mud Wt IN / OUT		Funnel Vis		PV		YLD PT		10 S GEL		10 M GEL		FI. Loss		FILT CK		HTHP FL		HTHP FC		FUEL ADDED TO MUD								
	Mud Type		% SOLIDS		% LCM		% SAND		% OIL		% H2O		pH		MF		PF		CALCIUM		CHLORIDES		TODAY		CUM.						
	CENTRIFUGES		SHAKER TYPE				SCREENS				DAILY		MUD COSTS		CUM.		CHANGED		WATER SOURCE		CUMULATIVE DAYS										
TIME LOG	FROM		TO		HRS		CODE		DETAILS OF OPERATIONS IN SEQUENCE														TIME BREAKDOWN		(Today / Well)						
	18:00		02:00		8.00		21		MIX 84 SKS OF BENTONITE TO PLUG WELL RAN 800 FTOF TRIMIE PIPE 40 JTS OF PIPE PUMP BOTTOM TO TOP														1: RIG UP / DOWN		4.00 4.00						
	02:00		06:00		4.00		1		RIG DOWN CLEAN LOCATION ,RIG RELEASE @4 AM														2: DRILLING								
																							3: REAMING								
																							4: CORING								
																							5: COND. & CIRC								
																							6: TRIPS								
																							7: LUBRICATE RIG								
																							8: REPAIR RIG								
																							9: C/O DRILL LINE								
																							10: DEVIATION								
																							11: WIRELINE LOG								
																							12: RUN CSG & CMNT								
																							13: WAIT ON CEMENT								
																							14: NIPPLE UP BOP								
																							15: TEST BOP								
																							16: DRILL STEM TEST								
																							17: PLUGBACK								
																							18: SQUEEZE CMNT								
																							19: FISHING								
																							20: DIR. WORK								
																							21:		8.00 8.00						
																							22:								
																							23:								
																						Other									
																						Total Hours		12.00 12.00							
BITS	BIT#		SIZE		TYPE		MAKE		SERIAL #		NOZZLES		IN @		OUT @		DRILLED		HRS		CUM. HRS		CONDITION		R O P						
PUMPS	Depth		GPM		PRESSURE		Pump 1		Pump 2		Pump 3		Pump 4		TYPE		STROKE		Manufacturer		HRS		Total HRS		MAX PSI		SPR Kill Rate		KILL (SPM)		
							Liner SPM		Liner SPM		Liner SPM		Liner SPM		Pump 1																
DRILLSTRG	SIZE		WEIGHT		GRADE		I.D.		T.J.O.D.		THREAD		# JNTS		LENGTH		IN HOLE		ON RACK		REPAIRS		DRILL STRING REMARKS								
ENGINES	LOCATION		Co. No.		HRS TODAY		HRS ON WELL		HRS LAST CHGE		AVERAGE KVA		NO.		DRILLING ASSEMBLY (BHA)		O.D.		I.D.		LENGTH		DEVIATION SURVEYS								
																							DEPTH		INCL		AZM				
RIG FUEL	DELIVERED TODAY		On Hand		Used Today		Used This Well		Fuel Brand		DISTRIBUTOR		BOILER		HOURS		FUEL USED														
MUD MTR	SERIAL #		HRS LAST 24		TOTAL HRS		CUM. WELL HRS		FOOTAGE LAST 24		TOTAL FOOTAGE																				
RENTAL ITEMS	DESCRIPTION		DAY RT		STDBY		HRLY																								
REPORT REMARKS	0		DRILL PIPE		STANDS		SINGLES																								
	0		KELLY DOWN		TOTAL		WT of COLLARS / DRILLSTRING		HOURS SINCE LAST INSPECTION		25.00																				
DEPTH DRILLED	FROM		TO		CODE		RPM		W.O.B.																						

BIFFLE WATER WELL SERVICE										MORNING REPORT										DATE		RIG NO.		JOB TYPE		JOB NO.		WELL TYPE	
WELLNAME UNIVERSITY 43-22-7H										LEGAL DESCRIPTION										SPUD DATE / TIME 10/14/12 20:30		DAYS FR SPUD 0.00		PROJECTED TD					
OPERATOR E & P COMPANY, LLC										COUNTY / PARISH Irrion										STATE TX		JOB START DATE 10/13/12 06:00		DAYS ON JOB 1.00		EST. RELEASE			
RIG MANAGER RICHARD KENNINGTON										RIG PHONE NUMBER 940-634-0693										OPERATORS REPRESENTATIVE ROY		CO. MAN PH NO. 713-445-9686		RELEASE DATE / TIME		WEATHER COOL			
OPERATIONS @ REPORT TIME DRILL FROM 200-420 FT										OPERATIONS NEXT 24 HRS DRILL AHEAD																			
SAFETY	ACCIDENTS OR NEAR MISSES:										# OF JSA's 0		RIG SAFETY DAYS 87		SAFETY RATE		G.P.S. COORDINATES N 31.0814 W -101.243		BOP TEST DATE / PRESSURE										
	SAFETY MEETING TOPICS										# STOP CARDS 0		LAST MEETING DATE		CROWN-O-MATIC CHECKED		BOP DRILL DATE / TIME												
	LAST INSPECTION		INSPECTION BY / TITLE		CREW M / U		EXTRA CREWS / WHY?		OFFICE NOTIFIED		MANHOURS PAST 24 78.00		BOP DRILL DATE / TIME																
OPS	CURRENT DEPTH 420.00		FOOTAGE LAST 24 420.00		PEN. RATE 46.67		ROT. HRS 9.00		MAX. GAS		BCKGR GAS		CONN. GAS		TRIP GAS		LAST CASING SIZE & SET DEPTH 489.00		RIG COSTS										
	HOOKLOAD		PICKUP WEIGHT		SLACKOFF		ROTATING		ROTARY TORQUE		NEXT CASING SIZE & SET DEPTH		DAILY		S & R		RENTAL												
MUD	Time 00:00		Mud Wt IN / OUT		Funnel Vis		PV		YLD PT		10 S GEL		10 M GEL		FI. Loss		FILT CK		HTHP FL		HTHP FC		FUEL ADDED TO MUD		AVERAGE				
	Mud Type		% SOLIDS		% LCM		% SAND		% OIL		% H2O		pH		MF		PF		CALCIUM		CHLORIDES		TODAY		CUM.				
	CENTRIFUGES		SHAKER TYPE		SCREENS		CHANGED		WATER SOURCE		CUMULATIVE		1.00		1.00														
	DETAILS OF OPERATIONS IN SEQUENCE		TIME BREAKDOWN		(Today / Well)																								
TIME LOG	FROM	TO	HRS	CODE											1: RIG UP / DOWN		5.50		9.50										
	06:00	15:00	9.00	21	RIG MOVE										2: DRILLING		9.00		9.00										
	15:00	18:00	3.00	1	RIG UP										3: REAMING														
	18:00	20:30	2.50	1	RIG UP										4: CORING														
	20:30	02:00	5.50	2	SPUD @8:30 PM DRILL FROM 0-200										5: COND. & CIRC														
	02:00	02:30	0.50	10	DEVIATION SURVEY @200 .25 DEGREE										6: TRIPS														
	02:30	06:00	3.50	2	DRILL FROM 200-420 FT										7: LUBRICATE RIG														
															8: REPAIR RIG														
															9: C/O DRILL LINE														
															10: DEVIATION		0.50		0.50										
															11: WIRELINE LOG														
															12: RUN CSG & CMNT														
															13: WAIT ON CEMENT														
															14: NIPPLE UP BOP														
															15: TEST BOP														
															16: DRILL STEM TEST														
															17: PLUGBACK														
															18: SQUEEZE CMNT														
															19: FISHING														
															20: DIR. WORK														
															21:		9.00		17.00										
															22:														
															23:														
															Other														
														Total Hours		24.00		36.00											
BITS	BIT#	SIZE	TYPE	MAKE	SERIAL #	NOZZLES	IN @	OUT @	DRILLED	HRS	CUM. HRS	CONDITION	ROP																
PUMPS	Depth	GPM	PRESSURE	Pump 1 Liner SPM	Pump 2 Liner SPM	Pump 3 Liner SPM	Pump 4 Liner SPM	Pump 1 TYPE	STROKE	Manufacturer	HRS	Total HRS	MAX PSI	SPR KILL (SPM)	KILL (SPM)														
	0.00 - 420.00		300.00	6.00 60.00				Pump 1 700	16.00	DECO 700																			
DRILLSTRG	SIZE	WEIGHT	GRADE	I.D.	T.J.O.D.	THREAD	# JNTS	LENGTH	IN HOLE	ON RACK	REPAIRS	DRILL STRING REMARKS																	
	4.50	17.00			4.50				0	0																			
ENGINES	LOCATION	Co. No.	HRS TODAY	HRS ON WELL	HRS LAST CHGE	AVERAGE KVA	NO.	DRILLING ASSEMBLY (BHA)			O.D.	I.D.	LENGTH	DEVIATION SURVEYS															
							1	12.25 BIT					1.37	DEPTH	INCL	AZM													
RIG FUEL	DELIVERED TODAY	On Hand	Used Today	Used This Well	Fuel Brand	DISTRIBUTOR	TODAY	HOURS	FUEL USED																				
							WELL																						
MUD MTR	SERIAL #	HRS LAST 24	TOTAL HRS	CUM. WELL HRS	FOOTAGE LAST 24	TOTAL FOOTAGE																							
RENTAL ITEMS	DESCRIPTION						DAY RT	STDBY	HRLY	DIRECTIONS TO																			
REPORT REMARKS	Steven Minyard						SAFETY MEETING PROPER PPE						DEPTH DRILLED																
	Steven Minyard						CALLED RRC TALKED TO JOHN JJ1 @6:22 ON 10-13-12						FROM TO CODE RPM W.O.B.																
							SAFETY MEETING, ELEVATED LIFTING						0.00 420.00 DRILL 75.00 14700.00																
							TALKED TO JOHN AT RRC ON 10-13-12 AT 6:22 PM																						

[illegible]

BIFBLE WATER WELL SERVICE										MORNING REPORT								DATE 2012-10-16		RIG NO. 893		JOB TYPE		JOB NO.		WELL TYPE				
WELLNAME UNIVERSITY 43-22-7H										LEGAL DESCRIPTION										SPUD DATE / TIME 10/14/12 20:30				DAYS FR SPUD 2.00		PROJECTED TD				
OPERATOR E & P COMPANY, LLC										COUNTY / PARISH Irlion					STATE TX		JOB START DATE 10/13/12 06:00				DAYS ON JOB 3.00		EST. RELEASE							
RIG MANAGER RICHARD KENNINGTON					RIG PHONE NUMBER 940-634-0693					OPERATORS REPRESENTATIVE ROY					CO. MAN PH NO. 713-445-9686			RELEASE DATE / TIME 10/15/12 09:00			WEATHER COOL									
OPERATIONS @ REPORT TIME RIG DOWN, MOVE TO NEXT LOCATION										OPERATIONS NEXT 24 HRS DRILL AHEAD																				
SAFETY	ACCIDENTS OR NEAR MISSES:										# OF JSA's 0		RIG SAFETY DAYS 89		SAFETY RATE		G.P.S. COORDINATES N 31.0814 W -101.243				BOP TEST DATE / PRESSURE									
	SAFETY MEETING TOPICS										# STOP CARDS 0		LAST MEETING DATE				CROWN-O-MATIC CHECKED				BOP DRILL DATE / TIME									
	LAST INSPECTION			INSPECTION BY / TITLE			CREW M / U			EXTRA CREWS / WHY?				OFFICE NOTIFIED		MANHOURS PAST 24 36.00		BOP DRILL DATE / TIME												
OPS	CURRENT DEPTH		FOOTAGE LAST 24		PEN. RATE		ROT. HRS 0.00		MAX. GAS		BCKGR GAS		CONN. GAS		TRIP GAS		LAST CASING SIZE & SET DEPTH 9.62 803.00		RIG COSTS											
	HOOKLOAD		PICKUP WEIGHT		SLACKOFF		ROTATING		ROTARY TORQUE =		NEXT CASING SIZE & SET DEPTH						S & R		RENTAL											
MUD	Time		Mud Wt IN / OUT		Funnel Vis		PV		YLD PT		10 S GEL		10 M GEL		FI. Loss		FLT CK		HTHP FL		HTTP FC		FUEL ADDED TO MUD TODAY CUM.		AVERAGE					
	Mud Type		% SOLIDS		% LCM		% SAND		% OIL		% H2O		pH		MF		PF		CALCIUM		CHLORIDES		MUD COSTS DAILY CUM.		CUMULATIVE					
	CENTRIFUGES																						DAILY CHANGED		WATER SOURCE		CUMULATIVE DAYS		3.00 3.00	
TIME LOG	FROM		TO		HRS		CODE		DETAILS OF OPERATIONS IN SEQUENCE														TIME BREAKDOWN		(Today / Well)					
	06:00		09:00		3.00		13		WAIT ON CEMENT 4 HRS RIG RELEASE@9:10														1: RIG UP / DOWN		2.00 13.50					
	09:00		11:00		2.00		1		RIG DOWN, MOVE TO NEXT LOCATION														2: DRILLING		14.50					
																							3: REAMING							
																							4: CORING							
																							5: COND. & CIRCL		1.00					
																							6: TRIPS		5.50					
																							7: LUBRICATE RIG							
																							8: REPAIR RIG							
																							9: C/O DRILL LINE							
																							10: DEVIATION		2.50					
																							11: WIRELINE LOG							
																							12: RUN CSG & CMNT		6.50					
																							13: WAIT ON CEMENT		3.00 3.00					
																							14: NIPPLE UP BOP							
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																							19: FISHING							
																						20: DIR. WORK								
																						21:		18.50						
																						22:								
																						23:								
																						Other								
																						Total Hours		5.00 65.00						
BITS	BIT#		SIZE		TYPE		MAKE		SERIAL #		NOZZLES		IN @		OUT @		DRILLED		HRS		CUM. HRS		CONDITION		ROP					
PUMPS	Depth		GPM		PRESSURE		Pump 1 Liner SPM		Pump 2 Liner SPM		Pump 3 Liner SPM		Pump 4 Liner SPM		Pump 1 Stroke		STROKE		Manufacturer		HRS		Total HRS		MAX PSI		KILL (SPM)			
	-						6.00								700		16.00		IDECO 700											
DRILLSTRG	SIZE		WEIGHT		GRADE		ID.		T.J.O.D.		THREAD		# INTS		LENGTH		IN HOLE		ON RACK		REPAIRS									

Daily Drilling Report Onshore		Well Name/Wellbore No.: UNIVERSITY 43-22 #7H/OH		Report Number: 002 Report Date: 12/04/2012 Spud Date: Release Date: DFS: 0.00 DOL: 1 AFE Days: 17 Last BOP T.: Safety & Environmental Incident: No	
		Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: ROY DERDEN / BUTCH RADCLIFF Engineer/Manager: BAKER / GAYDOS / EVANS			

Depth md/tvd (ft): 807.00 / 806.99 Progress (ft): 0.00 ROP: 0.0 / = 0.00 Proposed TD (ft): 14,087.00 Next Csg Point (ft): 807.00	Rig: PATTERSON/206 Rig Phone: 713-445-9689 RKB (ft): 2,732.01 Ground Level (ft): 2,707.0 POB: 16 Total Man Hours: 0.00	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>Fac</th> <th>Total</th> </tr> <tr> <td>AFE #: 158376/47133</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$): 0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Cum Cost(\$) 0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>AFE(\$): 0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </table>		Drig	Comp	Fac	Total	AFE #: 158376/47133					Day Cost(\$): 0	0	0	0	0	Cum Cost(\$) 0	0	0	0	0	AFE(\$): 0	0	0	0	0
	Drig	Comp	Fac	Total																							
AFE #: 158376/47133																											
Day Cost(\$): 0	0	0	0	0																							
Cum Cost(\$) 0	0	0	0	0																							
AFE(\$): 0	0	0	0	0																							

Current Activity: RU VES. RAN GYRO SURVEY TO 745'. RD VES.
 24 Hr Summary: RU VES. RAN GYRO SURVEY TO 745'. RD VES.
 24 Hr Forecast:

MUD PROPERTIES		MUD MATERIALS		BIT RECORD			CASING											
Fluids Co.: Fluids Eng: Time: Location: Pit Temp: Depth: Density: FV: PV: YP: Gels: WL: HTHP: Cake: ECD:		D M Cost(\$): \$0.00 C M Cost(\$): \$0.00 Mud Additives Used		Bit# S/N Size (in) Mfg IADC Type Model # Jets Depth In (ft) Depth Out (ft) Bit Rotations On Btm Hrs Cum Footage Cum (ft) ROP Cum WOB mn/mx (kip) RPM rot/bit Bit HP HSI PSI Drop (psi) Jet Vel (ft/s) Imp Force			<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Size(in)</th> <th>MD(ft)/TVD(ft)</th> <th>FIT/LOT(ppg)</th> </tr> <tr> <td>9.63</td> <td>807.00 /</td> <td>807.00</td> </tr> </table>			Size(in)	MD(ft)/TVD(ft)	FIT/LOT(ppg)	9.63	807.00 /	807.00			
Size(in)	MD(ft)/TVD(ft)	FIT/LOT(ppg)																
9.63	807.00 /	807.00																
							INVENTORY											
							<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Item</th> <th>Inv</th> </tr> <tr> <td colspan="2" style="height: 50px;"></td> </tr> </table>			Item	Inv							
Item	Inv																	
							SOLIDS CONTROL											
							<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Skr</th> <th>Deck 1 Screens</th> <th>Deck 2 Screens</th> </tr> <tr> <td>1</td> <td>330/330/330/330</td> <td></td> </tr> <tr> <td>2</td> <td>330/330/330/330</td> <td></td> </tr> </table>			Skr	Deck 1 Screens	Deck 2 Screens	1	330/330/330/330		2	330/330/330/330	
Skr	Deck 1 Screens	Deck 2 Screens																
1	330/330/330/330																	
2	330/330/330/330																	
MUD LOGGING																		
Trip Gas (units): 0 @ Conn Gas (units): 0 @ Form:		BG Gas (units): 0 Pore Pressure: (%)		Surf to Surf: Lag Strokes: Lag Time: (min)														

MUD PUMPS			
	#1	#2	#3
Pump Type:			
Liner ID:			
SPM:			
GPM:			
SPR:			
1 SPM:			
Pressure:			
2 SPM:			
Pressure:			
T GPM (gpm):		SPP (psi):	
AV (DC):		AV (DP):	

SURVEYS							
MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)

OPERATION DETAILS							
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	06:00	24.00	P	DRLPRD	11	WIRESUR	RU VES. RAN GYRO SURVEY TO 745'. RD VES.

Daily Operations Comments

EP ENERGY Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY 43-22 #7H/OH				Report Number: 004							
Country: USA				Report Date: 12/06/2012				Spud Date:							
State/OCSG: TEXAS				Release Date:				DOL: 2 AFE Days: 17							
Field/Permit#: WOLF CAMP EAST				DFS: 0.00				Last BOP T.:							
Supervisors: ROY DERDEN / BUTCH RADCLIFF				Safety & Environmental Incident: No											
Engineer/Manager: BAKER / GAYDOS / EVANS															
Depth md/tvd (ft): 807.00 / 806.99				Rig: PATTERSON206				Drig							
Progress (ft): 0.00				Rig Phone: 713-445-9689				Comp							
ROP (ft/hr): 0.0 / 0.00 = 0.00				RKB (ft): 2,732.01				Fac							
Proposed TD (ft): 14,087.00				Ground Level (ft): 2,707.0				Total							
Next Csg Point (ft): 14,087.03				POB: 22 Total Man Hours: 0.00				AFE(\$):							
Current Activity: PICKING UP 5" DP AND RUNNING IN HOLE				AFE(\$):											
24 Hr Summary: RIGGING UP, TESTING BOPE, NIPPLE UP FLOW LINE, MOVING DP TO RACKS AND STRAP SAME, PU AND MAKE UP BHA, PU DRILL PIPE AND RUN IN HOLE.															
24 Hr Forecast: PU DRILL PIPE AND RUN IN HOLE, DRILL OUT, TRIP FOR DIRECTIONAL TOOLS, DRILL AHEAD.															
MUD PROPERTIES				MUD MATERIALS				BIT RECORD							
Fluids Co.: KEN DOHERTY				D M Cost(\$): \$18,649.00				Bit# 1							
Fluids Eng: KEN DOHERTY				C M Cost(\$): \$18,649.00				S/N PX0401							
Time: 6:01 Oil Cnt (%): 68				Mud Additives Used				Size (in) 8.75							
Location: PIT H2O Cnt (%): 22				DIESEL				SMITH							
Pit Temp: Sand Cnt:				ENGINEERING SERVICE				FHI 20							
Depth (ft): 807.00 MBT:				TAX				Model #							
Density (ppg): 9.30 pH:								Jets 3X18							
FV (s/qt): 39 Pm:								Depth In (ft) 807							
PV (cp): 29 P/Mf:								Depth Out (ft)							
YP (lb/100ft³): 5 Chloride:								Bit Rotations 0/0							
Gels (l): 4/6/13 Calcium:								On Btm Hrs Cum 0.00							
WL: 10.60 LCM:								Footage Cum (ft) 0							
HTHP ("F"): 250 ES (mV): 400.0								ROP Cum 0.0							
Cake: 3.00 LGS:								WOB mm/mx (kip) / 0 / 0							
Solids: Ex Lime (ppb):								RPM rot/bit / 0 / 0							
ECD: OWR: 75.6 / 24.4								Bit HP 0.00							
								HSI 0.00							
								PSI Drop (psi) 0.00							
								Jet Vel (ft/s) 0.00							
								Imp Force 0.00							
MUD LOGGING															
Trip Gas (units): 0 @				BG Gas (units): 0				Surf to Surf:							
Conn Gas (units): 0 @				Pore Pressure: (%)				Lag Strokes:							
Form:								Lag Time: (min)							
								Grading I O D L B G O R							
								Bit #							
								Bit # 1							
BHA # 1						STRING LOADS				MUD PUMPS					
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 0				#1 #2 #3					
1	STAB			7.04	7.04	Off Btm Torque: 0				Pump Type:					
1	MUD MOTOR			32.02	39.06	Str. Wt. Up: 0				Liner ID:					
1	CROSS OVER			3.51	42.57	Str. Wt. Down: 0				SPM:					
1	BIT SUB			3.18	45.75	Str. Wt. Rot.: 0				GPM:					
1	BIT		8.750	0.92	46.67	Max Over Pull: 0				SPR:					
Total Length: 46.67										1 SPM:					
										Pressure:					
										2 SPM:					
										Pressure:					
										T GPM (gpm): 0 SPP (psi): 0					
										AV (DC): AV (DP):					
SURVEYS															
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)	
0		0.00		0.00		0		0.00		0.00		0.00		0.00	
200		0.24		61.88		200		0.20		0.37		0.20		0.12	
400		0.17		69.92		400		0.50		1.02		0.50		0.04	
600		0.29		58.53		600		0.86		1.73		0.86		0.06	
745		0.45		43.78		745		1.47		2.43		1.47		0.13	
OPERATION DETAILS															
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION								
06:00	10:00	4.00	P	MIRU	01	MIRU	RIGGING UP.								
10:00	13:00	3.00	P	MIRU	01	MIRU	CRITICAL INSPECTION								
13:00	21:00	8.00	P	DRLPRD	19	TEST	TEST BOPE								
21:00	00:00	3.00	P	DRLPRD	42	OTHER	FILL MUD TANKS WITH OBM. NIPPLE UP FLOW LINE								
00:00	03:30	3.50	P	DRLPRD	14	PULDSTR	MOVE 30 JTS DP TO RACKS AND STRAP SAME. FINISH RIGGING UP AND CLEARING FLOOR.								
03:30	04:30	1.00	P	DRLPRD	14	PULDSTR	PU BHA AND MAKE UP BHA.								
04:30	06:00	1.50	P	DRLPRD	14	PULDSTR	PU 5" DP AND RUN IN HOLE.								
Daily Operations Comments															
FULL CREWS. NO ACCIDENTS REPORTED.															

EP ENERGY

Daily Drilling Report Onshore

Well Name/Wellbore No.: 43-22 NO. 7H/OH

Country: USA

State/OCSG: TEXAS

Field/Permit#: WOLFCAMP EAST

Supervisors: ROY DERDEN / BUTCH RADCLIFF

Engineer/Manager: BAKER / GAYDOS / EVANS

Report Number: 005

Report Date: 12/07/2012

Spud Date:

Release Date:

DFS: 1.00

DOL: 3

AFE Days: 17

Last BOP T.:

Safety & Environmental Incident: No

Depth md/tvd (ft): 2,029.00 / 2,019.00

Progress (ft): 1,222.00

ROP (ft/hr): 1,222.0 / 9.50 = 128.63

Proposed TD (ft): 14,087.00

Next Csg Point (ft): 14,087.03

Rig: PATTERSON/206

Rig Phone: 713-445-9689

RKB (ft): 2,732.01

Ground Level (ft): 2,707.0

POB: 25

Total Man Hours: 0.00

AFE #:

Day Cost(\$): 103,494

Cum Cost(\$): 287,927

AFE(\$): 0

Drig: 158376/47133

Comp: 0

Fac: 0

Total: 103,494

287,927

0

Current Activity: DIRECTIONAL DRILLING VERTICAL SECTION @ 2029'. SURVEY: 1848', 8.02 DEGREE, AZ - 71.39, 25 LEFT / 24 AHEAD

24 Hr Summary: DRILL FLOAT EQUIP AND 100' OF NEW HOLE. POOH AND PU DIRECTIONAL TOOLS. TRIP IN HOLE. DIRECTIONAL DRILL VERTICAL SECTION.

24 Hr Forecast: DIRECTIONAL DRILL VERTICAL SECTION TO KOP.

MUD PROPERTIES

Fluids Co.: Fluids Eng: KEN DOHERTY

Time: 6:01

Location: PIT

Pit Temp ("F): 110

Depth (ft): 900.00

Density (ppg): 9.40

FV (s/qt): 49

PV (cp): 28

YP (lb/100ft²): 8

Gels (l): 5/8/14

WL: 10.40

HTHP ("F): 250

Cake: 3.00

Solids: Ex Lime (ppb): 3.0

ECD: OWR: 75.6 / 24.4

MUD MATERIALS

D M Cost(\$): \$-13,424.00

C M Cost(\$): \$5,225.00

Mud Additives

Used

DIESEL

TAX

ENGINEERING SERVICE

BIT RECORD

Bit# 1

S/N PX0401

Size (in) 8.75

Mfg SMITH

IADC Type HALLIBURTON

Model # FHI 20

Jets 3X18

Depth In (ft) 807

Depth Out (ft) 930

Bit Rotations 60/60

On Btm Hrs Cum 1.00

Footage Cum (ft) 123

ROP Cum 126.3

WOB mn/mx (kip) 15 / 15

RPM rot/bit 60 / 60

Bit HP 1.73

WISL 2.32

PSI Drop (psi) 447.20

Jet Vel (ft/s) 230.59

Imp Force 601.71

Grading

Bit # 1

Bit # 2

CASING

Size(in) 9.63

MD(ft)/TVD(ft) 807.00 / 14,087.03

FIT/LOT(ppg) 807.00 6,795.01

Inventory

Item DIESEL

Inv 8,931

Solids Control

Skr 1

Deck 1 Screens 330/330/330/330

Deck 2 Screens 330/330/330/330

MUD LOGGING

Trip Gas (units): 0 @

Conn Gas (units): 69 @

Form:

BG Gas (units): 5

Pore Pressure: (%)

Surf to Surf: Lag Strokes: Lag Time: (min)

BHA # 2

Qty

Item Description

ID (in)

OD (in)

Len (ft)

Cum (ft)

STABILIZER

MUD MOTOR

FILTER SUB

IDS/HEL

RSS

PDC BIT

Total Length: 82.19

STRING LOADS

On Btm Torque:

Off Btm Torque:

Str. Wt. Up:

Str. Wt. Down:

Str. Wt. Rot.:

Max Over Pull:

BHA PROPERTIES

BHA Hrs:

Jar Hrs: 0

Cum String Hours: 0

Weight B Jars (kip):

MUD PUMPS

Pump Type: DR

Liner ID: 6.00

SPM: 64.00

GPM: 267.91

SPR: 1 SPM: 0.00

Pressure: 0.00

2 SPM: 0.00

Pressure: 0.00

T GPM (gpm): 536

AV (DC):

SPP (psi):

AV (DP):

SURVEYS

MD (ft)

Inclination(°)

Azimuth (°)

TVD (ft)

V Section (ft)

+E/-W (ft)

+N/-S (ft)

Dog Leg (°/100ft)

1,284

8.81

53.06

1,282

23.99

30.82

23.99

0.79

1,378

9.43

53.06

1,375

32.94

42.73

32.94

0.66

1,472

8.32

60.59

1,468

40.91

54.81

40.91

1.71

1,566

8.46

70.60

1,561

46.55

67.26

46.55

1.56

1,660

7.67

68.04

1,654

51.19

79.60

51.19

0.92

1,755

7.05

68.22

1,748

55.72

90.89

55.72

0.65

1,848

8.02

71.39

1,840

59.91

102.34

59.91

1.13

1,943

8.89

73.39

1,934

64.13

115.66

64.13

0.97

OPERATION DETAILS

FROM

TO

HRS

OP CODE

PHASE

CODE

ACTIVITY

DESCRIPTION

06:00

09:00

3.00

P

DRLPRD

72

DRLCMT

DRILL FLOAT COLLAR CEMENT IN SHOE TRACK AND SHOE. CORRECTED DEPTH FOR CASING SHOE IS 829' RKB FOR PATTERSON RIG 206.

09:00

10:30

1.50

P

DRLPRD

11

WIRESUR

DRILL 829' - 930'

10:30

12:30

2.00

P

DRLPRD

13

TRIP

SLUG DP AND POOH.

12:30

15:30

3.00

P

DRLPRD

14

PULDSTR

PICK UP DIRECTIONAL TOOLS AND TEST SAME.

15:30

16:30

1.00

P

DRLPRD

13

TRIP

TRIP IN HOLE

16:30

17:30

1.00

P

DRLPRD

08

DRDIR

DOWN LINK DIRECTIONAL TOOL.

17:30

18:00

0.50

P

DRLPRD

12

RIGSVC

SERVICE RIG AND TDS.

18:00

18:30

0.50

P

DRLPRD

08

DRDIR

DOWN LINK DIRECTIONAL TOOL

18:30

22:30

4.00

P

DRLPRD

08

DRDIR

DIRECTIONAL DRILL 930' - 1,399

22:30

23:00

0.50

P

DRLPRD

08

DRDIR

DOWN LINK DIRECTIONAL TOOL

23:00

00:00

1.00

P

DRLPRD

08

DRDIR

DIRECTIONAL DRILL 1,399 - 1,540'

00:00

00:30

0.50

P

DRLPRD

08

DRDIR

DOWN LINK DIRECTIONAL TOOL

00:30

01:30

1.00

P

DRLPRD

08

DRDIR

DIRECTIONAL DRILL 1,540' - 1,682'

01:30

02:00

0.50

P

DRLPRD

08

DRDIR

DOWN LINK DIRECTIONAL TOOL

02:00

05:30

3.50

P

DRLPRD

08

DRDIR

DIRECTIONAL DRILL 1,540' - 2,029'

05:30

06:00

0.50

P

DRLPRD


08


DRDIR

DOWN LINK DIRECTIONAL TOOL

Daily Operations Comments

FULL CREWS. NO ACCIDENTS REPORTED.

 Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH Country: USA State/OCGS: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: ROY DERDEN / BUTCH RADCLIFF Engineer/Manager: BAKER / GAYDOS / EVANS				Report Number: 006 Report Date: 12/08/2012 Spud Date: Release Date: DFS: 2.00 DOL: 4 AFE Days: 17 Last BOP T.: 12/07/2012 Safety & Environmental Incident: No																												
Depth md/tvd (ft): 4,140.01 / 4,107.45 Progress (ft): 2,111.00 ROP: 2,111.0 / 17.00 = 124.18 Proposed TD (ft): 14,087.00 Next Csg Point (ft): 14,087.03				Rig: PATTERSON206 Rig Phone: 713-445-9689 RKB (ft): 2,732.01 Ground Level (ft): 2,707.0 POB: 23 Total Man Hours: 0.00				<table border="1"> <thead> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>Fac</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>AFE #:</td> <td>158376/47133</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>124,316</td> <td>0</td> <td>0</td> <td>124,316</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>460,462</td> <td>0</td> <td>0</td> <td>460,462</td> </tr> <tr> <td>AFE(\$):</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>					Drig	Comp	Fac	Total	AFE #:	158376/47133				Day Cost(\$):	124,316	0	0	124,316	Cum Cost(\$)	460,462	0	0	460,462	AFE(\$):	0	0	0	0
	Drig	Comp	Fac	Total																																
AFE #:	158376/47133																																			
Day Cost(\$):	124,316	0	0	124,316																																
Cum Cost(\$)	460,462	0	0	460,462																																
AFE(\$):	0	0	0	0																																
Current Activity: DIRECTIONAL DRILLING VERTICAL SECTION @ 4140'. SURVEY: 3928', 7.56 DEG, AZ - 70.81, 2.42 RIGHT / 4.3 BELOW 24 Hr Summary: DIRECTIONAL DRILL FROM 2029 - 4140' 24 Hr Forecast: DIRECTIONAL DRILL VERTICAL SECTION TO KOP.																																				
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING																														
Fluids Co.: KEN DOHERTY Fluids Eng: KEN DOHERTY Time: 6:01 Oil Cnt (%): 71 Location: PIT H2O Cnt (%): 18 Pit Temp (*F): 110 Sand Cnt: Depth (ft): 3,381.01 MBT: Density (ppg): 9.40 pH: FV (s/qt): 49 Pm: PV (cp): 30 P/Mf: YP (lb/100ft²): 9 Chloride: Gels (l): 5/8/14 Calcium: WL: 9.80 LCM (lbm/bbl): 0.0 HTHP (*F): 250 ES (mV): 625.0 Cake: 3.00 LGS (%): 4.17 Solids: Ex Lime (ppb): 3.0 ECD: OWR: 72.0 / 16.5		D M Cost(\$): \$34,504.03 C M Cost(\$): \$39,729.03 Mud Additives LIME 55 TAX 3,684 SAFEVERT LEM 1 HOT SHOT 1 OBM MIXING FEE 1,356 CALCIUM CHLORIDE 40 PRONTO PLUG 0 SAFEVERT 1 3 PALLETES 35 OBM 0 CLAYTONE 30 WRAPS 31 ENGINEERING SERVICE 1 OIL DRY 40 more...		Bit# S/N 2 11730831 8.75 HALLIBURTON IADC Type Model # FXD64M Jets 6X12 Depth In (ft) 930 Depth Out (ft) Bit Rotations 60/60 On Btm Hrs Cum 26.50 Footage Cum (ft) 3,210 ROP Cum 121.1 WOB mm/mx (kip) 15 / 15 RPM rot/bit 60 / 60 Bit HP 1.95 HSI 2.94 PSI Drop (psi) 565.98 Jet Vel (ft/s) 259.42 Imp Force 676.92		Size(in) MD(ft)/TVD(ft) FIT LOT(ppg) 9.63 807.00 / 807.00 5.50 14,087.03 / 6,795.01																														
INVENTORY																																				
Item						Inv																														
MUD DIESEL						4,000																														
DIESEL						10,518																														
SOLIDS CONTROL																																				
Skr		Deck 1 Screens		Deck 2 Screens																																
1		330/330/330/330																																		
2		100/100/100/100																																		
MUD LOGGING																																				
Trip Gas (units): 0 @		BG Gas (units): 5		Surf to Surf:																																
Conn Gas (units): 69 @		Pore Pressure: (%)		Lag Strokes: (min)																																
Form:				Lag Time: (min)																																
Grading		I		O		D																														
Bit #		2		L		B																														
Bit #		2		G		O																														
Bit #		2		R																																
BHA # 2																																				
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)																															
1	STABILIZER		6.750	7.04	7.04																															
1	MOTOR		6.750	32.02	39.06																															
1	FILTER SUB		6.750	4.57	43.63																															
1	IDS/HEL		6.750	22.49	66.12																															
1	RSS TOOL		6.750	14.87	80.99																															
1	BIT		8.750	1.20	82.19																															
Total Length:					82.19																															
STRING LOADS																																				
On Btm Torque:		7,141																																		
Off Btm Torque:		1,100																																		
Str. Wt. Up:		110																																		
Str. Wt. Down:		105																																		
Str. Wt. Rot.:		107																																		
Max Over Pull:																																				
BHA PROPERTIES																																				
BHA Hrs:		17																																		
Jar Hrs:																																				
Cum String Hours:		27																																		
Weight B Jars (kip):																																				
MUD PUMPS																																				
	#1	#2	#3																																	
Pump Type:	DR	DR																																		
Liner ID:	6.00	6.00																																		
SPM:	65.00	65.00																																		
GPM:	272.09	272.09																																		
SPR:																																				
1 SPM:	0.00	0.00																																		
Pressure:	0.00	0.00																																		
2 SPM:	0.00	0.00																																		
Pressure:	0.00	0.00																																		
T GPM (gpm): 536				SPP (psi): 1,600																																
AV (DC):				AV (DP):																																
SURVEYS																																				
MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)																													
3,267	8.68	67.71	3,244	125.10	293.91	125.10	0.42																													
3,361	8.86	69.97	3,337	130.27	307.27	130.27	0.41																													
3,456	10.13	71.96	3,431	135.36	322.09	135.36	1.38																													
3,550	9.39	66.66	3,524	140.96	336.99	140.96	1.24																													
3,645	8.90	69.64	3,617	146.58	351.00	146.58	0.72																													
3,740	8.37	68.97	3,711	151.62	364.34	151.62	0.57																													
3,834	7.46	67.31	3,804	156.43	376.35	156.43	1.00																													
3,928	7.56	70.81	3,898	160.82	387.82	160.82	0.50																													
OPERATION DETAILS																																				
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																													
06:00	07:00	1.00	P	DRLPRD	08	DRLDIR	DOWN LINK DIRECTIONAL TOOL.																													
07:00	12:00	5.00	P	DRLPRD	08	DRLDIR	DRILLED 2039' - 2439'.																													
12:00	12:30	0.50	P	DRLPRD	12	RIGSVIC	RIG & TOP DRIVE SERVICE.																													
12:30	13:00	0.50	P	DRLSURF	08	DRLDIR	DOWN LINK DIRECTIONAL TOOL.																													
13:00	14:00	1.00	P	DRLPRD	08	DRLDIR	DRILLED 2439' - 2575'.																													
14:00	14:30	0.50	N	DRLPRD	47	RROTHR	RESTART RIG GENERATORS																													
14:30	17:30	3.00	P	DRLPRD	08	DRLDIR	DRILLED 2575' - 2943'.																													
17:30	18:00	0.50	P	DRLPRD	08	DRLDIR	DOWN LINK DIRECTIONAL TOOL.																													
18:00	18:30	0.50	P	DRLPRD	08	DRLDIR	DRILLED 2943' - 3005'.																													
18:30	19:00	0.50	P	DRLPRD	08	DRLDIR	CHANGE OUT SHAKER SCREENS																													
19:00	19:30	0.50	P	DRLPRD	08	DRLDIR	DOWN LINK DIRECTIONAL TOOL.																													
19:30	20:00	0.50	P	DRLPRD	08	DRLDIR	DRILLED 3005' - 3096'.																													
20:00	20:30	0.50	P	DRLPRD	08	DRLDIR	DOWN LINK DIRECTIONAL TOOL.																													
20:30	21:00	0.50	P	DRLPRD	08	DRLDIR	DRILLED 3005' - 3096'.																													
21:00	21:30	0.50	P	DRLPRD	08	DRLDIR	DOWN LINK DIRECTIONAL TOOL.																													
21:30	22:30	1.00	P	DRLPRD	08	DRLDIR	DRILLED 3096' - 3384'.																													
22:30	23:00	0.50	P	DRLPRD	08	DRLDIR	DOWN LINK DIRECTIONAL TOOL																													
23:00	00:30	1.50	P	DRLPRD	08	DRLDIR	DRILLED 3384' - 3570'.																													
00:30	01:00	0.50	P	DRLPRD	08	DRLDIR	DOWN LINK DIRECTIONAL TOOL																													
01:00	02:30	1.50	P	DRLPRD	08	DRLDIR	DRILLED 3384' - 3570'.																													
02:30	03:00	0.50	P	DRLPRD	08	DRLDIR	DOWN LINK DIRECTIONAL TOOL																													
03:00	04:30	1.50	P	DRLPRD	08	DRLDIR	DRILLED 3570' - 4075'.																													
04:30	05:00	0.50	P	DRLPRD	08	DRLDIR	CHANGE OUT SHAKER SCREENS																													
05:00	06:00	1.00	P	DRLPRD	08	DRLDIR	DRILLED 4075' - 4140																													
Daily Operations Comments																																				
FULL CREWS. NO ACCIDENTS REPORTED.																																				

 Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: ROY DERDEN / BUTCH RADCLIFF Engineer/Manager: BAKER / GAYDOS / EVANS				Report Number: 007 Report Date: 12/09/2012 Spud Date: Release Date: DOL: 5 AFE Days: 17 Last BOP T.: 12/07/2012 Safety & Environmental Incident: No																																																																																																															
Depth md/tvd (ft): 6,248.01 / 6,187.02 Progress (ft): 2,108.00 ROP (ft/hr): 2,108.0 / 19.50 = 108.10 Proposed TD (ft): 14,087.00 Next Csg Point (ft): 14,087.03				Rig: PATTERSON206 Rig Phone: 713-445-9689 RKB (ft): 2,732.01 Ground Level (ft): 2,707.0 POB: 23 Total Man Hours: 0.00				<table border="1"> <thead> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>Fac</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>AFE #:</td> <td>158376/47133</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>64,733</td> <td>0</td> <td>0</td> <td>64,733</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>525,196</td> <td>0</td> <td>0</td> <td>525,196</td> </tr> <tr> <td>AFE(\$):</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>					Drig	Comp	Fac	Total	AFE #:	158376/47133				Day Cost(\$):	64,733	0	0	64,733	Cum Cost(\$)	525,196	0	0	525,196	AFE(\$):	0	0	0	0																																																																																			
	Drig	Comp	Fac	Total																																																																																																																			
AFE #:	158376/47133																																																																																																																						
Day Cost(\$):	64,733	0	0	64,733																																																																																																																			
Cum Cost(\$)	525,196	0	0	525,196																																																																																																																			
AFE(\$):	0	0	0	0																																																																																																																			
Current Activity: BUILDING CURVE @ 6248'. PTB = 19.85 INC, 47.80 AZI, 6186' TVD. 14.08 AHEAD, 1.44 LEFT. 24 Hr Summary: DIRECTIONAL DRILL VERTICAL SECTION TO KOP AT 6070'. BUILDING CURVE. 24 Hr Forecast: BUILD CURVE AND DRILL LATERAL.																																																																																																																							
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING																																																																																																																	
Fluids Co.: KEN DOHERTY Fluids Eng: KEN DOHERTY Time: 6:01 Oil Cnt (%): 72 Location: PIT H2O Cnt (%): 17 Pit Temp (°F) 110 Sand Cnt: Depth (ft): 5,798.01 MBT: Density (ppg): 9.40 pH: FV (s/qt): 46 Pm: PV (cp): 20 P#Mf: YP (lb/100ft²): 9 Chloride: Gels (l): 4/8/14 Calcium: WL: 9.80 LCM (lbm/bbl): 0.0 HTHP (°F): 250 ES (mV): 545.0 Cake: 3.00 LGS (%): 4.15 Solids: Ex Lime (ppb): 3.1 ECD: OWR: 72.0 / 16.5		D M Cost(\$): \$4,958.38 C M Cost(\$): \$44,687.41 Mud Additives LIME SAFEVERT LEM SAFEVERT 1 TAX ENGINEERING SERVICE CLAYTONE		Bit# 2 S/N 11730831 Size (in) 8.75 Mfg HALLIBURTON IADC Type FXD64M Model # Jets 6X12 Depth In (ft) 930 Depth Out (ft) 60/60 Bit Rotations 46.00 On Btm Hrs Cum 5,318 Footage Cum (ft) 115.6 ROP Cum 10 / 15 WOB mm/mx (kip) 60 / 60 RPM rot/bit 1.41 Bit HP 2.13 HSI 456.86 PSI Drop (psi) 233.07 Jet Vel (ft/s) 546.41 Imp Force Grading I O D L B G O R Bit # Bit # 2		<table border="1"> <thead> <tr> <th>Size(in)</th> <th>MD(ft)/TVD(ft)</th> <th>Fit LOT(ppg)</th> </tr> </thead> <tbody> <tr> <td>9.63</td> <td>807.00 /</td> <td>807.00</td> </tr> <tr> <td>5.50</td> <td>14,087.03 /</td> <td>6,795.01</td> </tr> </tbody> </table>		Size(in)	MD(ft)/TVD(ft)	Fit LOT(ppg)	9.63	807.00 /	807.00	5.50	14,087.03 /	6,795.01																																																																																																							
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5,721		9.06		66.13		5,671																																																																																																																	
5,816		9.17		65.33		5,764																																																																																																																	
5,910		9.30		65.08		5,857																																																																																																																	
6,005		9.37		65.98		5,951																																																																																																																	
6,100		11.76		60.35		6,044																																																																																																																	
6,131		13.41		57.29		6,075																																																																																																																	
6,163		15.47		54.43		6,106																																																																																																																	
6,194		17.03		51.82		6,135																																																																																																																	
V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)																																																																																																																	
252.10		636.48		252.10		0.47																																																																																																																	
258.29		650.19		258.29		0.18																																																																																																																	
264.62		663.89		264.62		0.14																																																																																																																	
271.00		677.91		271.00		0.17																																																																																																																	
278.94		693.39		278.94		2.74																																																																																																																	
282.44		699.16		282.44		5.74																																																																																																																	
286.93		705.76		286.93		6.81																																																																																																																	
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08:30	09:00	0.50	P	DRLPRD	08	DRLDIR	DOWN LINK DIRECTIONAL TOOL.																																																																																																																
09:00	14:30	5.50	P	DRLPRD	08	DRLDIR	DRILLED 4517' - 5178'.																																																																																																																
14:30	15:00	0.50	P	DRLPRD	08	DRLDIR	DOWN LINK DIRECTIONAL TOOL.																																																																																																																
15:00	15:30	0.50	P	DRLPRD	12	RIGSVC	RIG & TD SERVICE.																																																																																																																
15:30	20:00	4.50	P	DRLPRD	08	DRLDIR	DRILLED 5178' - 5601'.																																																																																																																
20:00	20:30	0.50	P	DRLPRD	08	DRLDIR	DOWN LINK DIRECTIONAL TOOL.																																																																																																																
20:30	00:00	3.50	P	DRLPRD	08	DRLDIR	DRILLED 5601' - 6070'.																																																																																																																
00:00	00:30	0.50	P	DRLPRD	08	DRLDIR	DOWN LINK DIRECTIONAL TOOL.																																																																																																																
00:30	02:00	1.50	P	DRLPRD	09	DRLCRV	DRILLED 6070" - 6123'. KOP IS 6,070'																																																																																																																
02:00	02:30	0.50	P	DRLPRD	09	DRLCRV	DOWN LINK DIRECTIONAL TOOL.																																																																																																																
02:30	03:00	0.50	P	DRLPRD	09	DRLCRV	DRILLED 6123" - 6154'																																																																																																																
03:00	03:30	0.50	P	DRLPRD	09	DRLCRV	DOWN LINK DIRECTIONAL TOOL.																																																																																																																
03:30	04:00	0.50	P	DRLPRD	09	DRLCRV	DRILLED 6154' - 6185'																																																																																																																
04:00	04:30	0.50	P	DRLPRD	09	DRLCRV	DOWN LINK DIRECTIONAL TOOL.																																																																																																																
04:30	05:00	0.50	P	DRLPRD	09	DRLCRV	DRILLED 6185" - 6217'																																																																																																																
05:00	05:30	0.50	P	DRLPRD	09	DRLCRV	DOWN LINK DIRECTIONAL TOOL.																																																																																																																
05:30	06:00	0.50	P	DRLPRD	09	DRLCRV	DRILLED 6217" - 6248'.																																																																																																																
Daily Operations Comments																																																																																																																							
FULL CREWS. NO ACCIDENTS REPORTED.																																																																																																																							

Daily Drilling Report Onshore		Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH		Report Number: 008 Report Date: 12/10/2012 Spud Date: Release Date: DFS: 4.00 DOL: 6 AFE Days: 17 Last BOP T.: 12/07/2012 Safety & Environmental Incident: No	
		Country: USA State/OCSS: TEXAS Field/Permit#: WOLF CAMP EAST Supervisors: ROY DERDEN / BUTCH RADCLIFF Engineer/Manager: BAKER / GAYDOS / EVANS			

Depth md/tvd (ft): 6,878.01 / 6,672.17 Progress (ft): 630.00 ROP (ft/hr): 630.0 / 18.50 = 34.05 Proposed TD (ft): 14,087.00 Next Csg Point (ft): 14,087.03		Rig: PATTERSON206 Rig Phone: 713-445-9689 RKB (ft): 2,732.01 Ground Level (ft): 2,707.0 POB: 23 Total Man Hours: 0.00		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>Fac</th> <th>Total</th> </tr> <tr> <td>AFE #: 158376/47133</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$): 90,230</td> <td></td> <td>0</td> <td>0</td> <td>90,230</td> </tr> <tr> <td>Cum Cost(\$): 615,425</td> <td></td> <td>0</td> <td>0</td> <td>615,425</td> </tr> <tr> <td>AFE(\$): 0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> </tr> </table>			Drig	Comp	Fac	Total	AFE #: 158376/47133					Day Cost(\$): 90,230		0	0	90,230	Cum Cost(\$): 615,425		0	0	615,425	AFE(\$): 0		0	0	0
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Current Activity: BUILDING CURVE @ 6878'. PROJ TO 6846 = 60.91INC, 5.03 AZI, 6655' TVD. 8.68 LOW, 65.42 RIGHT.
 24 Hr Summary: BUILD CURVE FROM 6,264' - 6,878'.
 24 Hr Forecast: BUILD CURVE AND DRILL LATERAL.

MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING																														
Fluids Co.: KEN DOHERTY Fluids Eng: KEN DOHERTY Time: 6:01 Oil Cnt (%): 71 Location: PIT H2O Cnt (%): 17 Pit Temp (°F): 110 Sand Cnt: Depth (ft): 6,878.01 MBT: Density (ppg): 9.40 pH: FV (s/qt): 49 Pm: PV (cp): 14 Pm/Mf: YP (lb/100ft²): 12 Chloride: Gels (l): 6/11/15 Calcium: WL: 9.80 LCM (lbm/bbl): 0.0 HTHP (°F): 250 ES (mV): 550.0 Cake: 3.00 LGS (%): 6.23 Solids: Ex Lime (ppb): 3.0 ECD: OWR: 81.1 / 18.9		D M Cost(\$): \$5,452.60 C M Cost(\$): \$50,140.01 Mud Additives Used CLAYTONE 22 LIME 10 ENGINEERING SERVICE 1 SAFEVERT 1 1 TAX 496		Bit# 2 S/N 11730831 Size (in) 8.75 Mfg HALLIBURTON IADC Type FXD64M Model # Jets 6X12 Depth In (ft) 930 Depth Out (ft) 40/40 Bit Rotations 64.50 On Btm Hrs Cum 5,948 Footage Cum (ft) 92.2 ROP Cum 6 / 15 WOB mm/mx (kip) 40 / 40 RPM rot/bit 1.24 Bit HP 1.87 HSI 417.99 PSI Drop (psi) 222.94 Jet Vel (ft/s) 499.93 Imp Force Grading I O D L B G O R Bit # 2		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Size(in)</th> <th>MD(ft)/TVD(ft)</th> <th>Fit LOT(ppg)</th> </tr> <tr> <td>9.63</td> <td>807.00 /</td> <td>807.00</td> </tr> <tr> <td>5.50</td> <td>14,087.03 /</td> <td>6,795.01</td> </tr> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">INVENTORY</th> </tr> <tr> <th>Item</th> <th>Inv</th> </tr> <tr> <td>MUD DIESEL</td> <td>3,044</td> </tr> <tr> <td>DIESEL</td> <td>9,773</td> </tr> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3">SOLIDS CONTROL</th> </tr> <tr> <th>Skr</th> <th>Deck 1 Screens</th> <th>Deck 2 Screens</th> </tr> <tr> <td>1</td> <td>330/330/330/330</td> <td></td> </tr> <tr> <td>2</td> <td>100/100/100/100</td> <td></td> </tr> </table>		Size(in)	MD(ft)/TVD(ft)	Fit LOT(ppg)	9.63	807.00 /	807.00	5.50	14,087.03 /	6,795.01	INVENTORY		Item	Inv	MUD DIESEL	3,044	DIESEL	9,773	SOLIDS CONTROL			Skr	Deck 1 Screens	Deck 2 Screens	1	330/330/330/330		2	100/100/100/100	
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MUD LOGGING			
Trip Gas (units): 0 @ Conn Gas (units): 24 @ 592 Form:	BG Gas (units): 75 Pore Pressure: (%)	Surf to Surf: Lag Strokes: Lag Time: (min)	

BHA # 2					STRING LOADS		MUD PUMPS		
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque:	#1	#2	#3
1	STABILIZER		6.750	7.04	7.04	8,000	Pump	DR	DR
1	MOTOR		6.750	32.02	39.06	2,000	Type:		
1	FILTER SUB		6.750	4.57	43.63	152	Liner ID:	6.00	6.00
1	IDS/HEL		6.750	22.49	66.12	142	SPM:	55.00	55.00
1	RSS TOOL		6.750	14.87	80.99	148	GPM:	230.23	230.23
1	BIT		8.750	1.20	82.19	Max Over Pull:	SPR:		
Total Length: 82.19							1 SPM:	0.00	0.00
							Pressure:	0.00	0.00
							2 SPM:	0.00	0.00
							Pressure:	0.00	0.00
							T GPM (gpm): 460	SPP (psi): 1,600	
							AV (DC):	AV (DP):	


SURVEYS							
MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)
6,603	39.66	21.18	6,501	442.64	801.69	442.64	10.08
6,634	42.62	19.28	6,525	461.78	808.73	461.78	10.36
6,666	45.39	17.19	6,548	482.89	815.68	482.89	9.77
6,697	48.02	14.84	6,569	504.58	821.89	504.58	10.12
6,729	50.71	12.80	6,590	528.16	827.68	528.16	9.70
6,760	53.40	11.13	6,609	552.07	832.74	552.07	9.66
6,792	56.31	9.19	6,627	577.82	837.35	577.82	10.36
6,823	58.95	6.80	6,644	603.75	840.98	603.75	10.72


OPERATION DETAILS							
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	09:30	3.50	P	DRLPRD	09	DRLCRV	DRILLED 6248' - 6360'.
09:30	10:30	1.00	P	DRLPRD	09	DRLCRV	DOWN LINK DIRECTIONAL TOOL.
10:30	13:00	2.50	P	DRLPRD	09	DRLCRV	DRILLED 6360' - 6480'.
13:00	14:00	1.00	P	DRLPRD	09	DRLCRV	DOWN LINK DIRECTIONAL TOOL.
14:00	16:30	2.50	P	DRLPRD	09	DRLCRV	DRILLED 6480' - 6563'.
16:30	17:30	1.00	P	DRLPRD	09	DRLCRV	DOWN LINK DIRECTIONAL TOOL.
17:30	18:00	0.50	P	DRLPRD	12	RIGSVC	RIG & TOP DRIVE SERVICE.
18:00	23:00	5.00	P	DRLPRD	09	DRLCRV	DRILLED 6563' - 6689
23:00	00:00	1.00	P	DRLPRD	09	DRLCRV	DOWN LINK DIRECTIONAL TOOL.
00:00	04:00	4.00	P	DRLPRD	09	DRLCRV	DRILLED 6689' - 6798'
04:00	05:00	1.00	P	DRLPRD	09	DRLCRV	DOWN LINK DIRECTIONAL TOOL.
05:00	06:00	1.00	P	DRLPRD	09	DRLCRV	DRILLED 6798' - 6878'


Daily Operations Comments
 FULL CREWS. NO ACCIDENTS REPORTED.


EP ENERGY Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH		Report Number: 009	
				Country: USA		Report Date: 12/11/2012	
				State/OCSG: TEXAS		Spud Date:	
				Field/Permit#: WOLFCAMP EAST		Release Date:	
				Supervisors: ROY DERDEN / BUTCH RADCLIFF		DFS: 5.00 DOL: 7 AFE Days: 17	
				Engineer/Manager: BAKER / GAYDOS / EVANS		Last BOP T.: 12/07/2012	
						Safety & Environmental Incident: No	
Depth md/tvd (ft): 8,388.02 / 6,751.33				Rig: PATTERSON206		Drig	
Progress (ft): 1,510.00				Rig Phone: 713-445-9689		Comp	
ROP (ft/hr): 1,510.0 / 19.50 = 77.44				RKB (ft): 2,732.01		Fac	
Proposed TD (ft): 14,087.00				Ground Level (ft): 2,707.0		Total	
Next Csg Point (ft): 14,087.03				POB: 34 Total Man Hours: 0.00		AFE(\$):	
						0	
						0	
						0	
						0	
Current Activity: DRILLING LATERAL @ 8,388' LATERAL DRILLED = 1250'. LANDED CURVE AT 7,138' = 85 DEGREES. PTB= 89.63" INC, 1.27 AZI, 6750' TVD.							
24 Hr Summary: DRILLED CURVE FROM 6,878' - 7,138'. DRILLED LATERAL 7,138' TO 8,388'.							
24 Hr Forecast: DRILL LATERAL.							
MUD PROPERTIES				MUD MATERIALS		BIT RECORD	
Fluids Co.: BAROID				D M Cost(\$): \$6,718.07		Bit# 2	
Fluids Eng: KEN DOHERTY				C M Cost(\$): \$56,858.08		S/N 11730831	
Time: 6:01 Oil Cnt (%): 72				Mud Additives Used		Size (in) 9.63	
Location: PIT H2O Cnt (%): 17				TAX ENGINEERING SERVICE 774		MD(ft)/TVD(ft) 807.00 / 807.00	
Pit Temp ("F) 110 Sand Cnt:				CALCIUM CHLORIDE 40		FIT LOT(ppg) 6,795.01	
Depth (ft): 8,388.02 MBT:				CLAYTONE 10			
Density (ppg): 9.20 pH:				OBM MIXING FEE 144			
FV (s/qt): 48 Pm:				LIME 20			
PV (cp): 18 P/Mf:							
YP (lb/100ft²): 10 Chloride:							
Gels (l): 5/12/15 Calcium:							
WL: 9.60 LCM (lbm/bbl): 0.0							
HTHP ("F): 250 ES (mV): 650.0							
Cake: 3.00 LGS (%): 5.68							
Solids: Ex Lime (ppb): 3.5							
ECD: OWR: 80.9 / 19.1							
MUD LOGGING							
Trip Gas (units): 0 @		BG Gas (units): 75		Surf to Surf:			
Conn Gas (units) 24 @ 67		Pore Pressure: (%)		Lag Strokes:			
Form:				Lag Time: (min)			
BHA # 2				STRING LOADS		MUD PUMPS	
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 12,000	#1
1	STABILIZER		6.750	7.04	7.04	Off Btm Torque: 4,000	#2
1	MOTOR		6.750	32.02	39.06	Str. Wt. Up: 158	#3
1	FILTER SUB		6.750	4.57	43.63	Str. Wt. Down: 130	
1	IDS/HEL		6.750	22.49	66.12	Str. Wt. Rot.: 148	
1	RSS TOOL		6.750	14.87	80.99	Max Over Pull:	
1	BIT		8.750	1.20	82.19		
Total Length: 82.19							
BHA PROPERTIES							
BHA Hrs: 20							
Jar Hrs:							
Cum String Hours: 84							
Weight B Jars (kip):							
						T GPM (gpm): 545 SPP (psi): 2,500	
						AV (DC): AV (DP):	
SURVEYS							
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)	
7,610		89.57		357.39		6,747	
7,704		89.51		358.12		6,748	
7,799		90.06		358.87		6,748	
7,893		89.88		358.18		6,748	
7,987		89.88		358.20		6,748	
8,082		89.44		358.91		6,749	
8,176		89.38		0.05		6,750	
8,271		89.63		1.27		6,751	
						2,031.77	
						802.45	
						1,371.02	
						798.77	
						1,464.94	
						1,559.91	
						796.27	
						1,559.91	
						793.85	
						1,653.88	
						790.89	
						1,747.83	
						1,842.80	
						788.49	
						1,936.79	
						787.64	
						2,031.77	
						802.45	
						1,371.02	
						798.77	
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						796.27	
						1,559.91	
						793.85	


<div><div>EP ENERGY</div><div>Daily Drilling Report Onshore</div></div>				Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: ROY DERDEN / BUTCH RADCLIFF Engineer/Manager: BAKER / GAYDOS / EVANS				Report Number: 010 Report Date: 12/12/2012 Spud Date: Release Date: DFS: 6.00 DOL: 8 AFE Days: 17 Last BOP T.: 12/07/2012 Safety & Environmental Incident: No							
Depth md/tvd (ft): 10,492.02 / 6,769.35 Progress (ft): 2,104.00 ROP (ft/hr): 2,104.0 / 20.00 = 105.20 Proposed TD (ft): 14,087.00 Next Csg Point (ft): 14,087.03				Rig: PATTERSON/206 Rig Phone: 713-445-9689 RKB (ft): 2,732.01 Ground Level (ft): 2,707.0 POB: 23 Total Man Hours: 0.00											
				AFE #:		Drig		Comp		Fac		Total			
				Day Cost(\$):		117,007		0		0		117,007			
				Cum Cost(\$)		824,702		0		0		824,702			
				AFE(\$):		0		0		0		0			
Current Activity: DRILLING LATERAL @ 10,492' LATERAL DRILLED = 3354'. LANDED CURVE AT 7,138' = 85 DEGREES. PTB= 90.93° INC, 357.52 AZI, 6770' TVD. 3.89 LOW, 9.95 LEFT. 24 Hr Summary: DRILLED LATERAL 8,388' - 10,492'. 24 Hr Forecast: DRILL LATERAL.															
MUD PROPERTIES				MUD MATERIALS				BIT RECORD				CASING			
Fluids Co.: BAROID Fluids Eng: KEN DOHERTY				D M Cost(\$): \$5,544.85 C M Cost(\$): \$62,402.93				Bit# S/N Size (in) Mfg IADC Type Model #				Size(in) MD(ft)/TVD(ft) FIT/LOT(ppg)			
Time: 6:01 Oil Cnt (%): 78 Location: PIT H2O Cnt (%): 12 Pit Temp (*F) 125 Sand Cnt: Depth (ft): 10,269.02 MBT: Density (ppg): 9.20 pH: FV (s/qt): 52 Pm: PV (cp): 15 Pf/Mf: YP (lbfr/100ft³): 13 Chloride: Gels (j): 9/12/14 Calcium: WL: 7.80 LCM (lbm/bbl): 0.0 HTHP (*F): 250 ES (mV): 550.0 Cake: 3.00 LGS (%): 4.30 Solids: Ex Lime (ppb): 3.6 ECD: OWR: 86.0 / 13.0				Mud Additives Used LIME 35 ENGINEERING SERVICE 1 CLAYTONE 30				11730831 8.75 HALLIBURTON FXD64M 6X12 930 80/80 104.00 9,562 91.9 15 / 25 80 / 80 2.00 3.02 571.39 263.47 683.39				9.63 5.50 807.00 / 807.00 14,087.03 / 6,795.01			
												INVENTORY			
												Item Inv MUD DIESEL 748 DIESEL 13,724			
												SOLIDS CONTROL			
												Skr Deck 1 Screens Deck 2 Screens			
												1 330/330/330/330 2 140/140/140/140			
MUD LOGGING															
Trip Gas (units): 0 @ Conn Gas (units) 106 @ 67 Form:				BG Gas (units): 325 Surf to Surf: Lag Strokes: Lag Time: (min)				Grading I O D L B G O R Bit # Bit # 2							
BHA # 2								STRING LOADS				MUD PUMPS			
Qty Item Description ID (in) OD (in) Len (ft) Cum (ft)				On Btm Torque: 12,000 Off Btm Torque: 5,000 Str. Wt. Up: 168 Str. Wt. Down: 121 Str. Wt. Rot.: 147 Max Over Pull:				#1 #2 #3 Pump DR DR Type: Liner ID: 6.00 6.00 SPM: 65.00 65.00 GPM: 272.09 272.09 SPR: 1 SPM: 0.00 0.00 Pressure: 0.00 0.00 2 SPM: 0.00 0.00 Pressure: 0.00 0.00							
1 STABILIZER 6.750 7.04 7.04 1 MOTOR 6.750 32.02 39.06 1 FILTER SUB 6.750 4.57 43.63 1 IDS/HEL 6.750 22.49 66.12 1 RSS TOOL 6.750 14.87 80.99 1 BIT 8.750 1.20 82.19 Total Length: 82.19												T GPM (gpm): 544 SPP (psi): 2,500 AV (DC): AV (DP):			
								BHA PROPERTIES							
								BHA Hrs: 20 Jar Hrs: Cum String Hours: 104 Weight B Jars (kip):							
SURVEYS															
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)	
9,780		89.57		0.34		6,766		3,539.83		797.36		3,539.83		0.33	
9,874		89.26		0.72		6,767		3,633.83		798.23		3,633.83		0.52	
9,968		89.26		0.47		6,768		3,727.81		799.20		3,727.81		0.27	
10,062		89.32		0.25		6,769		3,821.80		799.79		3,821.80		0.24	
10,156		89.51		359.75		6,770		3,915.80		799.79		3,915.80		0.57	
10,250		89.94		359.60		6,770		4,009.80		799.26		4,009.80		0.48	
10,344		89.69		357.07		6,771		4,103.75		796.53		4,103.75		2.70	
10,438		90.93		357.52		6,770		4,197.64		792.09		4,197.64		1.40	
OPERATION DETAILS															
FROM TO		HRS		OP CODE		PHASE		CODE		ACTIVITY		DESCRIPTION			
06:00 06:30		0.50		P		DRLPRD		12		RIGSVC		SERVICE RIG AND TDS.			
06:30 12:30		6.00		P		DRLPRD		10		DRLLAT		DRILL LATERAL 8,388' - 8,954'			
12:30 13:00		0.50		P		DRLPRD		10		DRLLAT		DOWN LINK DIRECTIONAL TOOL.			
13:00 16:00		3.00		P		DRLPRD		10		DRLLAT		DRILL LATERAL 8,954' - 9,331'.			
16:00 16:30		0.50		P		DRLPRD		10							


 Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: MIKE COKER / JIMMIE DAVIS Engineer/Manager: BAKER / GAYDOS / EVANS				Report Number: 011 Report Date: 12/13/2012 Spud Date: Release Date: DFS: 7.00 DOL: 9 AFE Days: 17 Last BOP T.: 12/07/2012 Safety & Environmental Incident: No																																																								
Depth md/tvd (ft): 12,633.03 / 9,266.60 Progress (ft): 2,141.00 ROP: 2,141.0 / 20.50 = 104.44 Proposed TD (ft): 14,087.00 Next Csg Point (ft): 14,087.03				Rig: PATTERSON206 Rig Phone: 713-445-9689 RKB (ft): 2,732.01 Ground Level (ft): 2,707.0 POB: 27 Total Man Hours: 0.00				<table border="1"> <thead> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>Fac</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>AFE #:</td> <td>158376/47133</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>65,378</td> <td>0</td> <td>0</td> <td>65,378</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>958,680</td> <td>0</td> <td>0</td> <td>958,680</td> </tr> <tr> <td>AFE(\$):</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>					Drig	Comp	Fac	Total	AFE #:	158376/47133				Day Cost(\$):	65,378	0	0	65,378	Cum Cost(\$)	958,680	0	0	958,680	AFE(\$):	0	0	0	0																												
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Cum Cost(\$)	958,680	0	0	958,680																																																												
AFE(\$):	0	0	0	0																																																												
Current Activity: DRILL LATERAL @ 12,633' M.D. T.V.D = 6777'. LATERAL LENGTH = 5,495'. 4.72' LEFT, 6.05' ABOVE(PTB = 89.2 DEG. 359.11 AZI) 24 Hr Summary: DRILL LATERAL 10,492' - 12,633' 24 Hr Forecast: DRILL LATERAL.																																																																
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING																																																										
Fluids Co.: BAROID Fluids Eng: KEN DOHERTY Time: 6:01 Oil Cnt (%): 73 Location: PIT H2O Cnt (%): 17 Pit Temp (*F): 123 Sand Cnt: Depth (ft): 11,912.02 MBT: Density (ppg): 9.30 pH: FV (s/qt): 54 Pm: PV (cp): 16 P#Mf: YP (lb/100ft²): 11 Chloride: Gels (l): 10/12/17 Calcium: WL: 7.00 LCM (lbm/bbl): 0.0 HTHP (*F): 250 ES (mV): 610.0 Cake: 3.00 LGS (%): 2.98 Solids: Ex Lime (ppb): 3.8 ECD: OWR: 81.1 / 18.9		D M Cost(\$): \$5,908.39 C M Cost(\$): \$68,311.32 Mud Additives SAFEVERT 1 3 ENGINEERING SERVICE 1 TRANSPORTATION 1 LIME 25 TAX 1		Bit# 2 S/N 11730831 Size (in) 8.75 Mfg HALLIBURTON IADC Type Model # FXD64M Jets 6X12 Depth In (ft) 930 Depth Out (ft) 80/80 Bit Rotations 124.50 On Btm Hrs Cum 11,703 Footage Cum (ft) 94.0 ROP Cum 15 / 20 WOB mm/mx (kip) 80 / 80 RPM rot/bit 2.02 Bit HP 3.05 HSI 577.60 PSI Drop (psi) 263.47 Jet Vel (ft/s) 690.81 Imp Force		Size(in) 9.63 MD(ft)/TVD(ft) 807.00 / 807.00 5.50 14,087.03 / 6,795.01 FIT LOT(ppg)																																																										
MUD LOGGING				INVENTORY																																																												
Trip Gas (units): 0 @ BG Gas (units): 110 Conn Gas (units): 210 @ Form: Pore Pressure: (%) Lag Strokes: (min) Surf to Surf: Lag Time: (min)				Item DIESEL Inv 7,023 MUD DIESEL 0																																																												
BHA # 2				SOLIDS CONTROL																																																												
<table border="1"> <thead> <tr> <th>Qty</th> <th>Item Description</th> <th>ID (in)</th> <th>OD (in)</th> <th>Len (ft)</th> <th>Cum (ft)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>STABILIZER</td> <td></td> <td>6.750</td> <td>7.04</td> <td>7.04</td> </tr> <tr> <td>1</td> <td>MOTOR</td> <td></td> <td>6.750</td> <td>32.02</td> <td>39.06</td> </tr> <tr> <td>1</td> <td>FILTER SUB</td> <td></td> <td>6.750</td> <td>4.57</td> <td>43.63</td> </tr> <tr> <td>1</td> <td>IDS/HEL</td> <td></td> <td>6.750</td> <td>22.49</td> <td>66.12</td> </tr> <tr> <td>1</td> <td>RSS TOOL</td> <td></td> <td>6.750</td> <td>14.87</td> <td>80.99</td> </tr> <tr> <td>1</td> <td>BIT</td> <td></td> <td>8.750</td> <td>1.20</td> <td>82.19</td> </tr> <tr> <td colspan="5">Total Length:</td> <td>82.19</td> </tr> </tbody> </table>				Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	1	STABILIZER		6.750	7.04	7.04	1	MOTOR		6.750	32.02	39.06	1	FILTER SUB		6.750	4.57	43.63	1	IDS/HEL		6.750	22.49	66.12	1	RSS TOOL		6.750	14.87	80.99	1	BIT		8.750	1.20	82.19	Total Length:					82.19	<table border="1"> <thead> <tr> <th>Skr</th> <th>Deck 1 Screens</th> <th>Deck 2 Screens</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>330/330/330/330</td> <td></td> </tr> <tr> <td>2</td> <td>140/140/140/140</td> <td></td> </tr> </tbody> </table>				Skr	Deck 1 Screens	Deck 2 Screens	1	330/330/330/330		2	140/140/140/140	
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1	330/330/330/330																																																															
2	140/140/140/140																																																															
STRING LOADS				MUD PUMPS																																																												
On Btm Torque: 13,500 Off Btm Torque: 5,500 Str. Wt. Up: 178 Str. Wt. Down: 108 Str. Wt. Rot.: 146 Max Over Pull:				<table border="1"> <thead> <tr> <th></th> <th>#1</th> <th>#2</th> <th>#3</th> </tr> </thead> <tbody> <tr> <td>Pump Type:</td> <td>DR</td> <td>DR</td> <td></td> </tr> <tr> <td>Liner ID:</td> <td>6.00</td> <td>6.00</td> <td></td> </tr> <tr> <td>SPM:</td> <td>65.00</td> <td>65.00</td> <td></td> </tr> <tr> <td>GPM:</td> <td>272.09</td> <td>272.09</td> <td></td> </tr> <tr> <td>1 SPM:</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td>Pressure:</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td>2 SPM:</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td>Pressure:</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> </tbody> </table>					#1	#2	#3	Pump Type:	DR	DR		Liner ID:	6.00	6.00		SPM:	65.00	65.00		GPM:	272.09	272.09		1 SPM:	0.00	0.00		Pressure:	0.00	0.00		2 SPM:	0.00	0.00		Pressure:	0.00	0.00																						
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9,780		89.57		0.34		9,298																																																										
9,874		89.26		0.72		9,299																																																										
9,968		89.26		0.47		9,300																																																										
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OPERATION DETAILS																																																																
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																																																									
06:00	07:30	1.50	P	DRLPRD	10	DRLLAT	DRILL LATERAL F/ 10,492' TO 10,649'																																																									
07:30	08:00	0.50	P	DRLPRD	10	DRLLAT	DOWN LINK DIRECTIONAL TOOL																																																									
08:00	12:00	4.00	P	DRLPRD	10	DRLLAT	DRILL LATERAL F/ 10,649' TO 11,122'																																																									
12:00	12:30	0.50	P	DRLPRD	10	DRLLAT	DOWN LINK DIRECTIONAL TOOL																																																									
12:30	16:00	3.50	P	DRLPRD	10	DRLLAT	DRILL LATERAL F/ 11,122' TO 11,500'																																																									
16:00	16:30	0.50	P	DRLPRD	12	RIGSVC	SERVICE RIG																																																									
16:30	23:30	7.00	P	DRLPRD	10	DRLLAT	DRILL LATERAL F/ 11,500' TO 12,158																																																									
23:30	00:30	1.00	P	DRLPRD	10	DRLLAT	SURVEY AND DOWNLINK TO RSS.																																																									
00:30	03:00	2.50	P	DRLPRD	10	DRLLAT	DRILL LATERAL 12,158' - 12,411'																																																									
03:00	03:30	0.50	P	DRLPRD	10	DRLLAT	DOWNLINK TO RSS.																																																									
03:30	04:30	1.00	P	DRLPRD	10	DRLLAT	DRILLING LATERAL 12,411' - 12,537																																																									
04:30	05:00	0.50	P	DRLPRD	10	DRLLAT	DOWNLINK TO RSS.																																																									
05:00	06:00	1.00	P	DRLPRD	10	DRLLAT	DRILLING LATERAL 12,537' - 12,633'																																																									
Daily Operations Comments FULL CREWS. NO ACCIDENTS REPORTED.																																																																

 Daily Drilling Report Onshore		Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: MIKE COKER / JIMMIE DAVIS Engineer/Manager: BAKER / GAYDOS / EVANS		Report Number: 012 Report Date: 12/14/2012 Spud Date: 12/06/2012 Release Date: DFS: 8.00 DOL: 10 AFE Days: 17 Last BOP T.: 12/07/2012 Safety & Environmental Incident: No																																																																																																					
Depth md/tvd (ft): 14,078.03 / 6,792.77 Progress (ft): 1,445.00 ROP: 1,445.0 / 14.00 = 103.21 Proposed TD (ft): 14,087.00 Next Csg Point (ft): 14,087.03		Rig: PATTERSON206 Rig Phone: 713-445-9689 RKB (ft): 2,732.01 Ground Level (ft): 2,707.0 POB: 31 Total Man Hours: 0.00		<table border="1"> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>Fac</th> <th>Total</th> </tr> <tr> <td>AFE #:</td> <td>15837647133</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>110,546</td> <td>0</td> <td>0</td> <td>110,546</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>1,069,226</td> <td>0</td> <td>0</td> <td>1,069,226</td> </tr> <tr> <td>AFE(\$):</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </table>			Drig	Comp	Fac	Total	AFE #:	15837647133				Day Cost(\$):	110,546	0	0	110,546	Cum Cost(\$)	1,069,226	0	0	1,069,226	AFE(\$):	0	0	0	0																																																																											
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Current Activity: TRIP OUT OF HOLE. 24 Hr Summary: DRILL LATERAL TO 14,078' M.D. (T.V.D. = 6793') LATERAL LENGTH = 6,940'. (PTB = 89.94 DEG. @ 4.96 AZI.) 2.17 RIGHT, 2.09 ABOVE. CIRCULATE AND CONDITION HOLE (PUMP HI-VIS SWEEPS) SLUG AND T.O.H. 24 Hr Forecast: FINISH T.O.H. LAY DOWN DIRECTIONAL ASSY. M.U. THRU-BIT LOGGING BIT. T.I.H. (RABBIT D.P.) PUMP DOWN THRU BIT LOGGING TOOL. T.O.H., RUNNING QUAD COMBO LOG.																																																																																																									
MUD PROPERTIES Fluids Co.: BAROID Fluids Eng: KEN DOHERTY Time: 6:01 Oil Cnt (%): 72 Location: PIT H2O Cnt (%): 18 Pit Temp (*F) 120 Sand Cnt: Depth (ft): 13,768.03 MBT: Density (ppg): 9.20 pH: FV (s/qt): 50 Pm: PV (cp): 14 PlMf: YP (lbf/100ft²): 9 Chloride: Gels (l): 11/13/19 Calcium: WL: 7.00 LCM (lbm/bbl): 0.0 HTHP (*F): 250 ES (mV): 646.0 Cake: 3.00 LGS (%): 6.42 Solids: Ex Lime (ppb): 3.4 ECD: OWR: 80.3 / 19.7		MUD MATERIALS D M Cost(\$): \$10,479.07 C M Cost(\$): \$78,790.39 <table border="1"> <tr> <th>Mud Additives</th> <th>Used</th> </tr> <tr> <td>TAX</td> <td>1</td> </tr> <tr> <td>OBM MIXING FEE</td> <td>500</td> </tr> <tr> <td>SAFEVERT 1</td> <td>2</td> </tr> <tr> <td>ENGINEERING SERVICE</td> <td>1</td> </tr> <tr> <td>LIME</td> <td>54</td> </tr> <tr> <td>WRAPS</td> <td>10</td> </tr> <tr> <td>CLAYTONE</td> <td>7</td> </tr> <tr> <td>PALLETS</td> <td>13</td> </tr> </table>		Mud Additives	Used	TAX	1	OBM MIXING FEE	500	SAFEVERT 1	2	ENGINEERING SERVICE	1	LIME	54	WRAPS	10	CLAYTONE	7	PALLETS	13	BIT RECORD Bit# 2 S/N 11730831 Size (in) 8.75 Mfg HALLIBURTON IADC Type Model # FXD64M Jets 6X12 Depth In (ft) 930 Depth Out (ft) Bit Rotations 80/80 On Btm Hrs Cum 138.50 Footage Cum (ft) 13,148 ROP Cum 94.9 WOB min/mx (kip) 14 / 20 RPM rot/bit 80 / 80 Bit HP 2.00 HSI 3.01 PSI Drop (psi) 570.99 Jet Vel (ft/s) 263.38 Imp Force 682.91 Grading I O D L B G O R Bit # Bit # 2																																																																																			
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14,055	89.94	4.96	6,793	7,812.91	814.70	7,812.91	2.60																																																																																																		
OPERATION DETAILS <table border="1"> <tr> <th>FROM</th> <th>TO</th> <th>HRS</th> <th>OP CODE</th> <th>PHASE</th> <th>CODE</th> <th>ACTIVITY</th> <th>DESCRIPTION</th> </tr> <tr> <td>06:00</td> <td>08:30</td> <td>2.50</td> <td>P</td> <td>DRLPRD</td> <td>10</td> <td>DRLLAT</td> <td>DRILL LATERAL F/ 12,633' TO 12,916'</td> </tr> <tr> <td>08:30</td> <td>09:00</td> <td>0.50</td> <td>P</td> <td>DRLPRD</td> <td>10</td> <td>DRLLAT</td> <td>DOWN LINK DIRECTIONAL TOOL</td> </tr> <tr> <td>09:00</td> <td>13:30</td> <td>4.50</td> <td>P</td> <td>DRLPRD</td> <td>10</td> <td>DRLLAT</td> <td>DRILL LATERAL F/ 12,916' TO 13,388'</td> </tr> <tr> <td>13:30</td> <td>14:00</td> <td>0.50</td> <td>P</td> <td>DRLPRD</td> <td>10</td> <td>DRLLAT</td> <td>DOWN LINK DIRECTIONAL TOOL</td> </tr> <tr> <td>14:00</td> <td>16:30</td> <td>2.50</td> <td>P</td> <td>DRLPRD</td> <td>10</td> <td>DRLLAT</td> <td>DRILL LATERAL F/ 13,388' TO 13,671'</td> </tr> <tr> <td>16:30</td> <td>17:00</td> <td>0.50</td> <td>P</td> <td>DRLPRD</td> <td>12</td> <td>RIGSVC</td> <td>RIG SERVICE</td> </tr> <tr> <td>17:00</td> <td>19:00</td> <td>2.00</td> <td>P</td> <td>DRLPRD</td> <td>10</td> <td>DRLLAT</td> <td>DRILL LATERAL F/ 13,671' TO 13,850'</td> </tr> <tr> <td>19:00</td> <td>19:30</td> <td>0.50</td> <td>P</td> <td>DRLPRD</td> <td>10</td> <td>DRLLAT</td> <td>DOWNLINK TO R.S.S.</td> </tr> <tr> <td>19:30</td> <td>22:00</td> <td>2.50</td> <td>P</td> <td>DRLPRD</td> <td>10</td> <td>DRLLAT</td> <td>DRILL LATERAL 13,850' - 14,078'</td> </tr> <tr> <td>22:00</td> <td>02:00</td> <td>4.00</td> <td>P</td> <td>DRLPRD</td> <td>15</td> <td>CIRC</td> <td>CIRCULATE AND CONDITION HOLE. (PUMP HI-VIS SWEEPS)</td> </tr> <tr> <td>02:00</td> <td>06:00</td> <td>4.00</td> <td>P</td> <td>DRLPRD</td> <td>13</td> <td>TRIP</td> <td>T.O.H. TO LAY DOWN DIRECTIONAL ASSY.</td> </tr> </table>								FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION	06:00	08:30	2.50	P	DRLPRD	10	DRLLAT	DRILL LATERAL F/ 12,633' TO 12,916'	08:30	09:00	0.50	P	DRLPRD	10	DRLLAT	DOWN LINK DIRECTIONAL TOOL	09:00	13:30	4.50	P	DRLPRD	10	DRLLAT	DRILL LATERAL F/ 12,916' TO 13,388'	13:30	14:00	0.50	P	DRLPRD	10	DRLLAT	DOWN LINK DIRECTIONAL TOOL	14:00	16:30	2.50	P	DRLPRD	10	DRLLAT	DRILL LATERAL F/ 13,388' TO 13,671'	16:30	17:00	0.50	P	DRLPRD	12	RIGSVC	RIG SERVICE	17:00	19:00	2.00	P	DRLPRD	10	DRLLAT	DRILL LATERAL F/ 13,671' TO 13,850'	19:00	19:30	0.50	P	DRLPRD	10	DRLLAT	DOWNLINK TO R.S.S.	19:30	22:00	2.50	P	DRLPRD	10	DRLLAT	DRILL LATERAL 13,850' - 14,078'	22:00	02:00	4.00	P	DRLPRD	15	CIRC	CIRCULATE AND CONDITION HOLE. (PUMP HI-VIS SWEEPS)	02:00	06:00	4.00	P	DRLPRD	13	TRIP	T.O.H. TO LAY DOWN DIRECTIONAL ASSY.		
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 Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: MIKE COKER / JIMMIE DAVIS Engineer/Manager: BAKER / GAYDOS / EVANS				Report Number: 013 Report Date: 12/15/2012 Spud Date: 12/06/2012 Release Date: DFS: 9.00 DOL: 11 AFE Days: 17 Last BOP T.: 12/07/2012 Safety & Environmental Incident: No																																			
Depth md/tvd (ft): 14,078.03 / 6,792.77 Progress (ft): 0.00 ROP: 0.0 / = 0.00 Proposed TD (ft): 14,087.00 Next Csg Point (ft): 14,087.03				Rig: PATTERSON/206 Rig Phone: 713-445-9689 RKB (ft): 2,732.01 Ground Level (ft): 2,707.0 POB: 25 Total Man Hours: 0.00				<table border="1"> <thead> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>Fac</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>AFE #:</td> <td>158376/47133</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>87,055</td> <td>0</td> <td>0</td> <td>87,055</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>1,785,309</td> <td>33,150</td> <td>0</td> <td>1,818,459</td> </tr> <tr> <td>AFE(\$):</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>					Drig	Comp	Fac	Total	AFE #:	158376/47133				Day Cost(\$):	87,055	0	0	87,055	Cum Cost(\$)	1,785,309	33,150	0	1,818,459	AFE(\$):	0	0	0	0							
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Cum Cost(\$)	1,785,309	33,150	0	1,818,459																																							
AFE(\$):	0	0	0	0																																							
Current Activity: TRIP IN HOLE. 24 Hr Summary: FINISH TOH AND LAY DOWN DIRECTIONAL ASSY. M.U. THRU-BIT ASSY. AND T.I.H. REPLACE TOP DRIVE 42 PIN LEAD. T.I.H. 24 Hr Forecast: FINISH T.I.H. C.&C. PUMP DOWN THRU BIT QUAD COMBO TOOL. P.O.H. RUNNING QUAD COMBO ELECTRIC LOG.																																											
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING																																					
Fluids Co.: BAROID Fluids Eng: KEN DOHERTY Time: 13:00 Location: ICTION TANK Pit Temp: Depth (ft): 14,078.03 Density (ppg): 9.20 FV (s/qt): 52 PV (cp): 14 YP (lbf/100ft²): 9 Gels (l): 11/14/20 WL: 7.00 HTHP (°F): 250 Cake: 3.00 Solids: ECD:		Oil Cnt (%): 72 H2O Cnt (%): 17 Sand Cnt: MBT: pH: Pm: P#Mf: Chloride: Calcium: LCM (lbm/bbl): 0.0 ES (mV): 626.0 LGS (%): 5.18 Ex Lime (ppb): 3.4 OWR: 80.1 / 19.1		D M Cost(\$): \$5,283.70 C M Cost(\$): \$84,074.09 Mud Additives TRANSPORTATION BARITE CLAYTONE ENGINEERING SERVICE TAX Used 1 2 8 1 1		Bit# S/N Size (in) Mfg IADC Type Model # Jets Depth In (ft) Depth Out (ft) Bit Rotations On Btm Hrs Cum Footage Cum (ft) ROP Cum WOB mm/mx (kip) RPM rot/bit Bit HP HSI PSI Drop (psi) Jet Vel (ft/s) Imp Force Grading Bit # Bit #		Size(in) MD(ft)/TVD(ft) FIT LOT(ppg) 9.63 5.50 807.00 / 14,087.03 / 6,795.01 807.00 1,232																																			
MUD LOGGING				INVENTORY																																							
Trip Gas (units): 0 @ Conn Gas (units): 200 @ Form:				BG Gas (units): 256 Pore Pressure: (%) Surf to Surf: Lag Strokes: Lag Time: (min)				Item MUD DIESEL DIESEL Inv 1,232 12,329																																			
BHA # 3				STRING LOADS		MUD PUMPS																																					
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: Off Btm Torque: Str. Wt. Up: Str. Wt. Down: Str. Wt. Rot.: Max Over Pull:																																					
1	CROSSOVER	2.750	6.500	5.02	5.02	<table border="1"> <thead> <tr> <th></th> <th>#1</th> <th>#2</th> <th>#3</th> </tr> </thead> <tbody> <tr> <td>Pump Type:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Liner ID:</td> <td>0.00</td> <td></td> <td></td> </tr> <tr> <td>SPM:</td> <td>0.00</td> <td></td> <td></td> </tr> <tr> <td>SPR:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 SPM:</td> <td>0.00</td> <td></td> <td></td> </tr> <tr> <td>Pressure:</td> <td>0.00</td> <td></td> <td></td> </tr> <tr> <td>2 SPM:</td> <td>0.00</td> <td></td> <td></td> </tr> <tr> <td>Pressure:</td> <td>0.00</td> <td></td> <td></td> </tr> </tbody> </table>			#1	#2	#3	Pump Type:				Liner ID:	0.00			SPM:	0.00			SPR:				1 SPM:	0.00			Pressure:	0.00			2 SPM:	0.00			Pressure:	0.00		
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1	Float SUB	2.750	6.250	3.02	8.04																																						
1	THROUGH BIT LOGGING BIT		8.750	1.25	9.29																																						
Total Length: 9.29						T GPM (gpm): AV (DC): 355																																					
BHA PROPERTIES						SPP (psi): AV (DP): 258																																					
BHA Hrs: Jar Hrs: Cum String Hours: Weight B Jars (kip):																																											
SURVEYS																																											
MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)																																				
13,459	89.81	359.00	6,788	7,217.30	817.48	7,217.30	1.54																																				
13,554	90.37	358.89	6,788	7,312.28	815.73	7,312.28	0.60																																				
13,648	89.57	357.86	6,788	7,406.24	813.07	7,406.24	1.39																																				
13,742	89.75	357.94	6,788	7,500.17	809.62	7,500.17	0.21																																				
13,836	89.26	359.78	6,789	7,594.15	807.75	7,594.15	2.03																																				
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OPERATION DETAILS																																											
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																																				
06:00	10:30	4.50	P	DRLPRD	13	TRIP	TRIP OUT OF HOLE & L/D DIRECTIONAL BHA.																																				
10:30	13:30	3.00	P	DRLPRD	13	TRIP	MAKE UP THROUGH HOLE BIT ASSEMBLY AND TRIP IN HOLE, DROPPING 2 3/8" DRIFT IN DRILL PIPE TO 1480'																																				
13:30	14:00	0.50	P	DRLPRD	12	RIGSVC	SERVICE RIG WHILE WORKING ON TOP DRIVE.																																				
14:00	23:00	9.00	N	DRLPRD	44	RRHOIST	TOP DRIVE REPAIR, PULL 6 STANDS TO GET TO SHOE, WHILE GOING IN THE HOLE, 42 PIN CABLE ON SERVICE LOOP BLEW BEHIND A BEAM AND PULLED THE CABLE OUT OF THE TOP DRIVE RECEPTACLE.																																				
23:00	02:30	3.50	P	EVLPRD	13	TRIP	TRIP IN HOLE BOTTOM OF CURVE AT 7200' (RABBET D.P.)																																				
02:30	03:00	0.50	P	EVLPRD	15	CIRC	CIRCULATE BOTTOMS UP,																																				
03:00	04:00	1.00	P	EVLPRD	13	TRIP	TRIP IN HOLE.																																				
04:00	04:30	0.50	N	EVLPRD	47	RROTHR	REPLACE D.P. SLIP INSERTS																																				
04:30	06:00	1.50	P	EVLPRD	13	TRIP	TRIP IN HOLE																																				
Daily Operations Comments FULL CREWS. NO ACCIDENTS REPORTED.																																											

 Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: MIKE COKER / JIMMIE DAVIS Engineer/Manager: BAKER / GAYDOS / EVANS				Report Number: 014 Report Date: 12/16/2012 Spud Date: 12/06/2012 Release Date: DFS: 10.00 DOL: 12 AFE Days: 17 Last BOP T.: 12/07/2012 Safety & Environmental Incident: No																																							
Depth md/tvd (ft): 14,078.03 / 6,792.77 Progress (ft): 0.00 ROP: 0.0 / = 0.00 Proposed TD (ft): 14,087.00 Next Csg Point (ft): 14,087.03				Rig: PATTERSON206 Rig Phone: 713-445-9689 RKB (ft): 2,732.01 Ground Level (ft): 2,707.0 POB: 28 Total Man Hours: 0.00				<table border="1"> <thead> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>Fac</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>AFE #: 15837647133</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$): 29,402</td> <td></td> <td>0</td> <td>0</td> <td>29,402</td> </tr> <tr> <td>Cum Cost(\$) 1,814,711</td> <td></td> <td>33,150</td> <td>0</td> <td>1,847,861</td> </tr> <tr> <td>AFE(\$): 0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>					Drig	Comp	Fac	Total	AFE #: 15837647133					Day Cost(\$): 29,402		0	0	29,402	Cum Cost(\$) 1,814,711		33,150	0	1,847,861	AFE(\$): 0		0	0	0											
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Current Activity: WIRELINE LOG W/ SCHLUMBERGER. 24 Hr Summary: FINISH T.I.H. C.&C. PUMP DOWN AND SEAT THRU BIT LOGGING TOOL. T.O.H. RUNNING QUAD-COMBO LOG. R.D. THRU BIT. R.U. SCHLUMBERGER AND RUN GAMMA / CALIPER LOG TO 7,100'. 24 Hr Forecast: FINISH GAMMA/CALIPER LOG. R.U. OBMI LOG AND T.I.H. W/ D.P. T.O.H. W. D.P. RUNNING OBMI LOG.																																															
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING																																									
Fluids Co.: BAROID Fluids Eng: KEN DOHERTY Time: 17:00 Oil Cnt (%): 81 Location: ICTION TANK H2O Cnt (%): 19 Pit Temp: Sand Cnt: Depth (ft): 14,078.03 MBT: Density (ppg): 9.40 pH: FV (s/qt): 63 Pm: PV (cp): 18 Pf/Mf: / YP (lb/100ft³): 12 Chloride: Gels (l): 9/16/23 Calcium: WL: 6.60 LCM (lbm/bbl): 0.0 HTHP (°F): 250 ES (mV): 675.0 Cake: 6.60 LGS (%): 5.39 Solids: Ex Lime (ppb): 3.6 ECD: OWR: 80.8 / 19.2		D M Cost(\$): \$1,870.00 C M Cost(\$): \$85,944.09 Mud Additives Used ENGINEERING SERVICE 1 BARITE 2		Bit# S/N Size (in) Mfg IADC Type Model # Jets Depth In (ft) Depth Out (ft) Bit Rotations On Btm Hrs Cum Footage Cum (ft) ROP Cum WOB mm/mx (kip) / / RPM rot/bit / / Bit HP HSI PSI Drop (psi) Jet Vel (ft/s) Imp Force		<table border="1"> <thead> <tr> <th>Size(in)</th> <th>MD(ft)/TVD(ft)</th> <th>FT/LOT(ppg)</th> </tr> </thead> <tbody> <tr> <td>9.63</td> <td>807.00 /</td> <td>807.00</td> </tr> <tr> <td>5.50</td> <td>14,087.03 /</td> <td>6,795.01</td> </tr> </tbody> </table>		Size(in)	MD(ft)/TVD(ft)	FT/LOT(ppg)	9.63	807.00 /	807.00	5.50	14,087.03 /	6,795.01																															
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				I O D L B G O R																																											
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MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)																																									
13,459		89.81		359.00		6,788																																									
13,554		90.37		358.89		6,788																																									
13,648		89.57		357.86		6,788																																									
13,742		89.75		357.94		6,788																																									
13,836		89.26		359.78		6,789																																									
13,931		88.27		0.77		6,791																																									
14,025		89.69		4.22		6,793																																									
14,055		89.94		4.96		6,793																																									
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OPERATION DETAILS																																															
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																																								
06:00	09:00	3.00	P	EVLPRD	13	TRIP	TRIP IN HOLE TO 14,078'. TAG BOTTOM TO VERIFY DEPTH.																																								
09:00	11:00	2.00	P	EVLPRD	15	CIRC	CIRCULATE BOTTOMS UP. HOLD PJSM WITH ALL THIRD PARTY PERSONNEL AND RIG CREWS. LOAD WIRE LINE TOOLS ON RIG FLOOR																																								
11:00	12:00	1.00	P	EVLPRD	22	LOGFORM	PULL ONE STAND & L/D SINGLE TO 13,971'. R/U WIRELINE AND PACK OFF.																																								
12:00	13:30	1.50	P	EVLPRD	22	LOGFORM	PUMP LOGGING TOOL DOWN AND SEAT IN BIT.																																								
13:30	01:30	12.00	P	EVLPRD	22	LOGFORM	TRIP OUT OF HOLE LOGGING AT THREE MINUTES PER STAND. LOG INTERVAL FROM 13,971' - 807'.																																								
01:30	02:30	1.00	P	EVLPRD	22	LOGFORM	RIG DOWN THRU-BIT LOGGING TOOL AND WIRELINE TRUCK																																								
02:30	03:30	1.00	P	EVLPRD	22	LOGFORM	RIG UP SCHLUMBERGER WIRELINE TRUCK AND TOOL. (SAFETY MEETING WITH RIG AND LOGGING PERSONNEL.)																																								
03:30	06:00	2.50	P	EVLPRD	22	LOGFORM	RUN #1 = GAMMA / CALIPER 7,100' - 807'.																																								
Daily Operations Comments																																															
FULL CREWS. NO ACCIDENTS REPORTED.																																															

 Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: MIKE COKER / JIMMIE DAVIS Engineer/Manager: BAKER / GAYDOS / EVANS				Report Number: 015 Report Date: 12/17/2012 Spud Date: 12/06/2012 Release Date: DFS: 11.00 DOL: 13 AFE Days: 17 Last BOP T.: 12/07/2012 Safety & Environmental Incident: No																																															
Depth md/tvd (ft): 14,078.03 / 6,792.77 Progress (ft): 0.00 ROP: 0.0 / = 0.00 Proposed TD (ft): 14,087.00 Next Csg Point (ft): 14,087.03				Rig: PATTERSON206 Rig Phone: 713-445-9689 RKB (ft): 2,732.01 Ground Level (ft): 2,707.0 POB: 27 Total Man Hours: 0.00				<table border="1"> <thead> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>Fac</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>AFE #: 15837647133</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$): 101,305</td> <td></td> <td>0</td> <td>0</td> <td>101,305</td> </tr> <tr> <td>Cum Cost(\$): 1,916,016</td> <td></td> <td>33,150</td> <td>0</td> <td>1,949,166</td> </tr> <tr> <td>AFE(\$): 0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>					Drig	Comp	Fac	Total	AFE #: 15837647133					Day Cost(\$): 101,305		0	0	101,305	Cum Cost(\$): 1,916,016		33,150	0	1,949,166	AFE(\$): 0		0	0	0																			
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AFE(\$): 0		0	0	0																																																			
Current Activity: T.O.H. W/ D.P. AND OBMI LOGGING TOOL. 24 Hr Summary: FINISH E-LOG RUN#1. M.U. AND T.I.H. W/ OBMI TOOL ON D.P. TO 11,000'. TROUBLE SHOOT LOSS OF CONTINUITY TO TOOL. RETRIEVE WIRELINE AND WET CONNECT. TRIP OUT OF HOLE W/ D.P. AND LOGGING TOOL. 24 Hr Forecast: FINISH T.O.H.W/ D.P. AND LOGGING TOOL. R.D. SCHLUMBERGER TOOLS AND TRUCK. M.U. RERUN BIT AND T.I.H. C.&C.																																																							
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING																																																	
Fluids Co.: BAROID Fluids Eng: KEN DOHERTY Time: 17:00 Oil Cnt (%): 81 Location: ICTION TANK H2O Cnt (%): 19 Pit Temp: Sand Cnt: Depth (ft): 14,078.03 MBT: Density (ppg): 9.45 pH: FV (s/qt): 62 Pm: PV (cp): 19 Pf/Mf: / YP (lb/100ft³): 11 Chloride: Gels (l): 9/15/21 Calcium: WL: 6.80 LCM (lbm/bbl): 0.0 HTHP (°F): 250 ES (mV): 600.0 Cake: 6.80 LGS (%): 4.90 Solids: Ex Lime (ppb): 3.4 ECD: OWR: 91.4 / 18.6		D M Cost(\$): \$0.00 C M Cost(\$): \$85,944.09 Mud Additives Used		Bit# S/N Size (in) Mfg IADC Type Model # Jets Depth In (ft) Depth Out (ft) Bit Rotations On Btm Hrs Cum Footage Cum (ft) ROP Cum WOB mm/mx (kip) / / RPM rot/bit / / Bit HP HSI PSI Drop (psi) Jet Vel (ft/s) Imp Force		<table border="1"> <thead> <tr> <th>Size(in)</th> <th>MD(ft)/TVD(ft)</th> <th>FT/LOT(ppg)</th> </tr> </thead> <tbody> <tr> <td>9.63</td> <td>807.00 /</td> <td>807.00</td> </tr> <tr> <td>5.50</td> <td>14,087.03 /</td> <td>6,795.01</td> </tr> </tbody> </table>		Size(in)	MD(ft)/TVD(ft)	FT/LOT(ppg)	9.63	807.00 /	807.00	5.50	14,087.03 /	6,795.01																																							
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MUD LOGGING																																																							
Trip Gas (units): 0 @ Conn Gas (units): 200 @ Form:		BG Gas (units): 256 Pore Pressure: (%)		Surf to Surf: Lag Strokes: Lag Time: (min)		<table border="1"> <thead> <tr> <th>Grading</th> <th>I</th> <th>O</th> <th>D</th> <th>L</th> <th>B</th> <th>G</th> <th>O</th> <th>R</th> </tr> </thead> <tbody> <tr> <td>Bit #</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Bit #</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Grading	I	O	D	L	B	G	O	R	Bit #									Bit #																													
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13,459	89.81	359.00	6,788	7,217.30	817.48	7,217.30	1.54																																																
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FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																																																
06:00	06:30	0.50	P	EVLPRD	22	LOGFORM	FINISH PULLING OUT OF HOLE WITH RUN # 1, GAMMA/ CALIPER, AND BREAK DOWN TOOL.																																																
06:30	09:30	3.00	P	EVLPRD	22	LOGFORM	HOLD PJSM WITH RIG CREW AND ALL THIRD PARTY PERSONNEL INVOLVED IN LOGGING OPERATION, MAKE UP SCHLUMBERGER LOGGING TOOL.																																																
09:30	10:00	0.50	P	EVLPRD	12	RIGSVC	SERVICE RIG.																																																
10:00	15:00	5.00	P	EVLPRD	22	LOGFORM	TRIP IN HOLE WITH 62 STDS + DBL TO 5987',																																																
15:00	17:00	2.00	P	EVLPRD	22	LOGFORM	RIG UP SIDE ENTRY SUB AND ELECTRIC LINE, FREE FALL IN HOLE WITH LOGGING TOOL TO 5500', PUMP DOWN FROM 5500' WITH 211 GPM, SEAT TOOL, PUT CLAMP ON SIDE ENTRY SUB,																																																
17:00	22:00	5.00	P	EVLPRD	22	LOGFORM	TRIP IN HOLE AT 2 MINS. PER STAND TO 11,000'.																																																
22:00	23:00	1.00	N	EVLPRD	58	DHEQFAIL	TROUBLE SHOOT LOSS OF CONTINUITY TO LOGGING TOOL.																																																
23:00	02:30	3.50	N	EVLPRD	58	DHEQFAIL	TRIP OUT OF HOLE TO SIDE ENTRY SUB.																																																
02:30	04:30	2.00	N	EVLPRD	58	DHEQFAIL	RETRIEVE ELECTRIC LINE AND WET CONNECT. (RIG DOWN WIRELINE SHEAVES)																																																
04:30	06:00	1.50	N	EVLPRD	58	DHEQFAIL	TRIP OUT OF HOLE W/ D.P. AND OBMI LOGGING TOOL.																																																
Daily Operations Comments																																																							
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 Daily Drilling Report Onshore		Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH Country: USA State/OCSG: TEXAS Field/Permit#: WOLF CAMP EAST Supervisors: MIKE COKER / JIMMIE DAVIS Engineer/Manager: BAKER / GAYDOS / EVANS		Report Number: 016 Report Date: 12/18/2012 Spud Date: 12/06/2012 Release Date: DFS: 12.00 DOL: 14 AFE Days: 17 Last BOP T.: 12/07/2012 Safety & Environmental Incident: No																																																																															
Depth md/tvd (ft): 14,078.03 / 6,792.77 Progress (ft): 0.00 ROP: 0.0 / = 0.00 Proposed TD (ft): 14,087.00 Next Csg Point (ft): 14,087.03		Rig: PATTERSON206 Rig Phone: 713-445-9689 RKB (ft): 2,732.01 Ground Level (ft): 2,707.0 POB: 30 Total Man Hours: 0.00		<table border="1"> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>Fac</th> <th>Total</th> </tr> <tr> <td>AFE #: 15837647133</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$): 232,798</td> <td></td> <td>0</td> <td>0</td> <td>232,798</td> </tr> <tr> <td>Cum Cost(\$): 1,790,494</td> <td></td> <td>33,150</td> <td>0</td> <td>1,823,644</td> </tr> <tr> <td>AFE(\$): 0</td> <td></td> <td>0</td> <td>0</td> <td>0</td> </tr> </table>			Drig	Comp	Fac	Total	AFE #: 15837647133					Day Cost(\$): 232,798		0	0	232,798	Cum Cost(\$): 1,790,494		33,150	0	1,823,644	AFE(\$): 0		0	0	0																																																					
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Current Activity: REPAIR PIPE WRANGLER. 24 Hr Summary: FINISH T.O.H. R.D. SCHLUMBERGER TOOL AND WIRELINE TRUCK. M.U. R.R. BIT AND T.I.H. TO 14,078' C.&C. SPOT 10 LB. / BBL. BEAD PILL ACROSS LATERAL. SLUG AND LAYING DOWN 5" D.P. 14,078' - 7,375'. REPAIR PIPE WRANGLER. 24 Hr Forecast: FINISH LAY DOWN D.P. R.U. EXPRESS ENERGY CSG. CREW AND TORQUE TURN. RUN 5 1/2" CSG.																																																																																			
MUD PROPERTIES Fluids Co.: BAROID Fluids Eng: KEN DOHERTY Time: 20:00 Oil Cnt (%): 73 Location: ICTION TANK H2O Cnt (%): 17 Pit Temp: Sand Cnt: Depth (ft): 14,078.03 MBT: Density (ppg): 9.45 pH: FV (s/qt): 58 Pm: PV (cp): 21 P/Mf: YP (lb/100ft³): 10 Chloride: Gels (l): 8/15/20 Calcium: WL: 3.00 LCM (lbm/bbl): 0.0 HTHP (°F): 250 ES (mV): 600.0 Cake: 6.80 LGS (%): 2.82 Solids: Ex Lime (ppb): 3.8 ECD: OWR: 81.6 / 18.4		MUD MATERIALS D M Cost(\$): \$5,357.04 C M Cost(\$): \$97,474.71 Mud Additives Used SAFEVERT 1 2 BARITE 2 ENGINEERING SERVICE 1 CLAYTONE 10 TAX 1		BIT RECORD Bit# S/N Size (in) Mfg IADC Type Model # Jets Depth In (ft) Depth Out (ft) Bit Rotations On Btm Hrs Cum Footage Cum (ft) ROP Cum WOB mm/mx (kip) / / RPM rot/bit / / Bit HP HSI PSI Drop (psi) Jet Vel (ft/s) Imp Force Grading I O D L B G O R Bit # Bit #																																																																															
MUD LOGGING Trip Gas (units): 0 @ Conn Gas (units): 200 @ Form:		BG Gas (units): 256 Surf to Surf: Lag Strokes: Lag Time: (min)		CASING <table border="1"> <tr> <th>Size(in)</th> <th>MD(ft)/TVD(ft)</th> <th>FT/LOT(ppg)</th> </tr> <tr> <td>9.63</td> <td>807.00 /</td> <td>807.00</td> </tr> <tr> <td>5.50</td> <td>14,087.03 /</td> <td>6,795.01</td> </tr> </table> INVENTORY <table border="1"> <tr> <th>Item</th> <th>Inv</th> </tr> <tr> <td>MUD DIESEL</td> <td>338</td> </tr> <tr> <td>DIESEL</td> <td>9,578</td> </tr> </table> SOLIDS CONTROL <table border="1"> <tr> <th>Skr</th> <th>Deck 1 Screens</th> <th>Deck 2 Screens</th> </tr> <tr> <td>1</td> <td>330/330/330/330</td> <td></td> </tr> <tr> <td>2</td> <td>140/140/140/140</td> <td></td> </tr> </table>		Size(in)	MD(ft)/TVD(ft)	FT/LOT(ppg)	9.63	807.00 /	807.00	5.50	14,087.03 /	6,795.01	Item	Inv	MUD DIESEL	338	DIESEL	9,578	Skr	Deck 1 Screens	Deck 2 Screens	1	330/330/330/330		2	140/140/140/140																																																							
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BHA # 4 <table border="1"> <tr> <th>Qty</th> <th>Item Description</th> <th>ID (in)</th> <th>OD (in)</th> <th>Len (ft)</th> <th>Cum (ft)</th> </tr> <tr> <td>1</td> <td></td> <td>2.250</td> <td>6.250</td> <td>3.55</td> <td>3.55</td> </tr> <tr> <td>1</td> <td></td> <td></td> <td>6.250</td> <td>3.19</td> <td>6.74</td> </tr> <tr> <td>1</td> <td></td> <td></td> <td>8.750</td> <td>1.00</td> <td>7.74</td> </tr> <tr> <td colspan="5">Total Length:</td> <td>7.74</td> </tr> </table>		Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	1		2.250	6.250	3.55	3.55	1			6.250	3.19	6.74	1			8.750	1.00	7.74	Total Length:					7.74	STRING LOADS On Btm Torque: Off Btm Torque: Str. Wt. Up: Str. Wt. Down: Str. Wt. Rot.: Max Over Pull: BHA PROPERTIES BHA Hrs: Jar Hrs: Cum String Hours: Weight B Jars (kip):		MUD PUMPS <table border="1"> <tr> <th></th> <th>#1</th> <th>#2</th> <th>#3</th> </tr> <tr> <td>Pump Type:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Liner ID:</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td>SPM:</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td>GPM:</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td>SPR:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 SPM:</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td>Pressure:</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td>2 SPM:</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td>Pressure:</td> <td>0.00</td> <td>0.00</td> <td></td> </tr> <tr> <td colspan="2">T GPM (gpm):</td> <td colspan="2">SPP (psi):</td> </tr> <tr> <td colspan="2">AV (DC):</td> <td colspan="2">AV (DP):</td> </tr> </table>			#1	#2	#3	Pump Type:				Liner ID:	0.00	0.00		SPM:	0.00	0.00		GPM:	0.00	0.00		SPR:				1 SPM:	0.00	0.00		Pressure:	0.00	0.00		2 SPM:	0.00	0.00		Pressure:	0.00	0.00		T GPM (gpm):		SPP (psi):		AV (DC):		AV (DP):	
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SURVEYS <table border="1"> <tr> <th>MD (ft)</th> <th>Inclination(°)</th> <th>Azimuth (°)</th> <th>TVD (ft)</th> <th>V Section (ft)</th> <th>+E/-W (ft)</th> <th>+N/-S (ft)</th> <th>Dog Leg (°/100ft)</th> </tr> <tr><td>13,459</td><td>89.81</td><td>359.00</td><td>6,788</td><td>7,217.30</td><td>817.48</td><td>7,217.30</td><td>1.54</td></tr> <tr><td>13,554</td><td>90.37</td><td>358.89</td><td>6,788</td><td>7,312.28</td><td>815.73</td><td>7,312.28</td><td>0.60</td></tr> <tr><td>13,648</td><td>89.57</td><td>357.86</td><td>6,788</td><td>7,406.24</td><td>813.07</td><td>7,406.24</td><td>1.39</td></tr> <tr><td>13,742</td><td>89.75</td><td>357.94</td><td>6,788</td><td>7,500.17</td><td>809.62</td><td>7,500.17</td><td>0.21</td></tr> <tr><td>13,836</td><td>89.26</td><td>359.78</td><td>6,789</td><td>7,594.15</td><td>807.75</td><td>7,594.15</td><td>2.03</td></tr> <tr><td>13,931</td><td>88.27</td><td>0.77</td><td>6,791</td><td>7,689.12</td><td>808.21</td><td>7,689.12</td><td>1.47</td></tr> <tr><td>14,025</td><td>89.69</td><td>4.22</td><td>6,793</td><td>7,783.00</td><td>812.30</td><td>7,783.00</td><td>3.97</td></tr> <tr><td>14,055</td><td>89.94</td><td>4.96</td><td>6,793</td><td>7,812.91</td><td>814.70</td><td>7,812.91</td><td>2.60</td></tr> </table>								MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)	13,459	89.81	359.00	6,788	7,217.30	817.48	7,217.30	1.54	13,554	90.37	358.89	6,788	7,312.28	815.73	7,312.28	0.60	13,648	89.57	357.86	6,788	7,406.24	813.07	7,406.24	1.39	13,742	89.75	357.94	6,788	7,500.17	809.62	7,500.17	0.21	13,836	89.26	359.78	6,789	7,594.15	807.75	7,594.15	2.03	13,931	88.27	0.77	6,791	7,689.12	808.21	7,689.12	1.47	14,025	89.69	4.22	6,793	7,783.00	812.30	7,783.00	3.97	14,055	89.94	4.96	6,793	7,812.91	814.70	7,812.91	2.60				
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Daily Operations Comments FULL CREWS. NO ACCIDENTS REPORTED.																																																																																			

EP ENERGY

Daily Drilling Report Onshore

Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH

Country: USA

State/OCSG: TEXAS

Field/Permit#: WOLFCAMP EAST

Supervisors: MIKE COKER / JIMMIE DAVIS

Engineer/Manager: BAKER / GAYDOS / EVANS

Report Number: 017

Report Date: 12/19/2012

Spud Date: 12/06/2012

Release Date:

DFS: 13.00

Last BOP T.: 12/07/2012

Safety & Environmental Incident: No

DOL: 15

AFE Days: 17

Depth md/tvd (ft): 14,078.03 / 6,792.77

Progress (ft): 0.00

ROP: 0.0 / = 0.00

Proposed TD (ft): 14,087.00

Next Csg Point (ft): 14,087.03

Rig: PATTERSON/206

Rig Phone: 713-445-9689

RKB (ft): 2,732.01

Ground Level (ft): 2,707.0

POB: 31

Total Man Hours: 0.00

AFE #:

Day Cost(\$): 31,690

Cum Cost(\$): 1,824,256

AFE(\$): 0

Drig: 158376/47133

Comp: 0

33,150

0

0

Fac: 0

0

0

0

Total: 31,690

1,857,406

0

Current Activity: RUN 5 1/2" PROD. CASING @ 5,900'.

24 Hr Summary: FINISH LAY DOWN 5" D.P. R.U. AND RUNNING 5 1/2" PROD. CASING.

24 Hr Forecast: FINISH RUN 5 1/2" CSG. TO 14,078'. C.&C. CEMENT WITH HOWCO. SET CSG. HANGER AND N.D. B.O.P.'S.

MUD PROPERTIES

Fluids Co.: BAROID

Fluids Eng: KEN DOHERTY

Time: 12:15

Location: ICTION TANK

Pit Temp:

Depth (ft): 14,078.03

Density (ppg): 9.40

FV (s/qt): 55

PV (cp): 20

YP (lbfr/100ft²): 10

Gels (j): 9/15/21

WL: 6.80

HTHP ("F"): 250

Cake: 3.00

Solids: Ex Lime (ppb): 3.4

ECD (ppg): 10.1

MUD MATERIALS

D M Cost(\$): \$1,045.00

C M Cost(\$): \$98,519.71

Mud Additives

Used

TAX ENGINEERING SERVICE

MUD LOGGING

Trip Gas (units): 0 @

Conn Gas (units): @

Form:

BG Gas (units):

Pore Pressure: (%)

Surf to Surf: Lag Strokes:

Lag Time: (min)

BIT RECORD

Bit#

S/N

Size (in)

Mfg

IADC Type

Model #

Jets

Depth In (ft)

Depth Out (ft)

Bit Rotations

On Btm Hrs Cum

Footage Cum (ft)

ROP Cum

WOB mm/mx (kip)

RPM rot/bit

Bit hp

Bit HSI

PSI Drop (psi)

Jet Vel (ft/s)

Imp Force

Grading

Bit #

Bit #

CASING

Size(in)

MD(ft)/TVD(ft)

FT/LOT(ppg)

9.63

807.00 / 807.00

5.50

14,087.03 / 6,795.01

INVENTORY

Item

Inv

MUD DIESEL

DIESEL

338

9,024

SOLIDS CONTROL

Skr

Deck 1 Screens

Deck 2 Screens

1

330/330/330/330

2

140/140/140/140

BHA # 4

Qty

Item Description

ID (in)

OD (in)

Len (ft)

Cum (ft)

1

2.250

6.250

3.55

3.55

1

6.250

3.19

6.74

1

8.750

1.00

7.74

Total Length: 7.74

STRING LOADS

On Btm Torque:

Off Btm Torque:

Str. Wt. Up:

Str. Wt. Down:

Str. Wt. Rot.:

Max Over Pull:

BHA PROPERTIES

BHA Hrs:

Jar Hrs:

Cum String Hours:

Weight B Jars (kip):

MUD PUMPS

#1

#2

#3

Pump Type:

Liner ID:

SPM:

GPM:

SPR:

1 SPM:

Pressure:

2 SPM:

Pressure:

T GPM (gpm):

SPP (psi):

AV (DC):

AV (DP):

SURVEYS

MD (ft)

Inclination(°)

Azimuth (°)

TVD (ft)

V Section (ft)

+E/-W (ft)

+N/-S (ft)

Dog Leg (°/100ft)

13,459

89.81

359.00

6,788

7,217.30

817.48

7,217.30

1.54

13,554

90.37

358.89

6,788

7,312.28

815.73

7,312.28

0.60

13,648

89.57

357.86

6,788

7,406.24

813.07

7,406.24

1.39

13,742

89.75

357.94

6,788

7,500.17

809.62

7,500.17

0.21

13,836

89.26

359.78

6,789

7,594.15

807.75

7,594.15

2.03

13,931

88.27

0.77

6,791

7,689.12

808.21

7,689.12

1.47

14,025

89.69

4.22

6,793

7,783.00

812.30

7,783.00

3.97

14,055

89.94

4.96

6,793

7,812.91

814.70

7,812.91

2.60

OPERATION DETAILS

FROM

TO

HRS

OP CODE

PHASE

CODE

ACTIVITY

DESCRIPTION

06:00

06:30

0.50

P

CASPRD1

12

RIGSVC

RIG SERVICE.

06:30

09:30

3.00

P

CASPRD1

14

PULDSTR

L/D DRILL PIPE F/ 7400' TO 4600'

09:30

10:30

1.00

N

CASPRD1

47

RROTHR

CHAIN MOUNTING PLATE BROKE ON HYDRAULIC CATWALK, RIG UP LAY DOWN MACHINE.

10:30

14:30

4.00

P

CASPRD1

14

PULDSTR

L/D DRILL PIPE FROM 4600' TO SURFACE

14:30

16:00

1.50

P

CASPRD1

24

RUNCAS

RIG UP EXPRESS CASING CREW AND CHANGE BAILS FOR 16" BAILS

16:00

19:00

3.00

P

CASPRD1

24

RUNCAS

RIG UP SAGE RIDER EQUIPMENT. (SAFETY MEETING WITH RIG AND CASING PERSONNEL.)

19:00

06:00

11.00

P

CASPRD1

24

RUNCAS

M.U. SHOE TRACK AND CHECK FOR CIRC. RUNNING 5 1/2", 17.00 LB., HCP-110 CASING TO 5,900'.

Daily Operations Comments

FULL CREWS. NO ACCIDENTS REPORTED.

	Daily Drilling Report Onshore	Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH. Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: MIKE COCKER / JIMMIE DAVIS Engineer/Manager: BAKER / GAYDOS / EVANS	Report Number: 018 Report Date: 12/20/2012 Spud Date: 12/06/2012 Release Date: DFS: 14.00 DOL: 16 AFE Days: 17 Last BOP T.: 12/07/2012 Safety & Environmental Incident: No																								
	Depth md/tvd (ft): 14,078.03 / 6,792.77 Progress (ft): 0.00 ROP: 0.0 / = 0.00 Proposed TD (ft): 14,087.00 Next Csg Point (ft): 14,087.03	Rig: PATTERSON/206 Rig Phone: 713-445-9689 RKB (ft): 2,732.01 Ground Level (ft): 2,707.0 POB: 40 Total Man Hours: 0.00	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>AFE #:</th> <th>Drig</th> <th>Comp</th> <th>Fac</th> <th>Total</th> </tr> <tr> <td>158376/47133</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>369,224</td> <td>267,974</td> <td>0</td> <td>637,198</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>2,193,480</td> <td>301,124</td> <td>0</td> <td>2,494,604</td> </tr> <tr> <td>AFE(\$):</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </table>	AFE #:	Drig	Comp	Fac	Total	158376/47133					Day Cost(\$):	369,224	267,974	0	637,198	Cum Cost(\$)	2,193,480	301,124	0	2,494,604	AFE(\$):	0	0	0
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AFE(\$):	0	0	0	0																							

Current Activity: RIG DOWN HOWCO.

24 Hr Summary: RUN 5 1/2" CSG. TO 14,063'. C.&C. CEMENT W/ HOWCO. R.D. HOWCO CEMENT LINE.

24 Hr Forecast: N.D. B.O.P.'S AND SET WEATHERFORD CSG. HANGER. PREP. RIG AND SKID SAME TO UNIV. 43-22 #5H.

MUD PROPERTIES				MUD MATERIALS		BIT RECORD				CASING							
Fluids Co.: BAROID Fluids Eng: KEN DOHERTY				D M Cost(\$): \$1,045.00 C M Cost(\$): \$99,564.71		Bit# S/N Size (in) Mfg IADC Type Model # Jets Depth In (ft) Depth Out (ft) Bit Rotations On Btm Hrs Cum Footage Cum (ft) ROP Cum WOB mm/mx (kip) / / RPM rot/bit / / Bit HP HSI PSI Drop (psi) Jet Vel (ft/s) Imp Force Grading Bit # Bit #				Size(in)			MD(ft)/TVD(ft)		FIT/LOT(ppg)		
Time: 12:15 Oil Cnt (%): 74				Mud Additives						Used		9.63			807.00 /		807.00
Location: ICTION TANK				H2O Cnt (%): 16						TAX		5.50			14,087.03 /		6,795.01
Pit Temp:				Sand Cnt:						1							
Depth (ft): 14,078.03 MBT:										1							
Density (ppg): 9.40 pH:																	
FV (s/qt): 58 Pm:																	
PV (cp): 21 PfMf: /																	
YP (lbfr/100ft²): 12 Chloride:																	
Gels (:): 10/16/22 Calcium:																	
WL: 6.60 LCM (lbm/bbl): 0.0																	
HTHP ("F): 250 ES (mV): 700.0																	
Cake: 3.00 LGS (%): 3.13																	
Solids: Ex Lime (ppb): 3.5																	
ECD (ppg): 10.1 OWR: 82.1 / 17.9																	

MUD LOGGING			
Trip Gas (units): 0 @	BG Gas (units):	Surf to Surf:	
Conn Gas (units) @		Lag Strokes:	
Form:	Pore Pressure: (%)	Lag Time: (min)	

MUD PUMPS			
	#1	#2	#3
Pump Type:			
Liner ID:	0.00		
SPM:	0.00		
GPM:	0.00		
SPR:			
1 SPM:	0.00		
Pressure:	0.00		
2 SPM:	0.00		
Pressure:	0.00		
T GPM (gpm):	SPP (psi):		
AV (DC):	AV (DP):		

SURVEYS							
MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E-W (ft)	+N-S (ft)	Dog Leg (°/100ft)
13,459	89.81	359.00	6,788	7,217.30	817.48	7,217.30	1.54
13,554	90.37	358.89	6,788	7,312.28	815.73	7,312.28	0.60
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13,931	88.27	0.77	6,791	7,689.12	808.21	7,689.12	1.47
14,025	89.69	4.22	6,793	7,783.00	812.30	7,783.00	3.97
14,055	89.94	4.96	6,793	7,812.91	814.70	7,812.91	2.60

OPERATION DETAILS							
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION

<div style="display: inline-block; vertical-align: middle; text-align: center;"> Daily Drilling Report Onshore </div>		Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH		Report Number: 019 Report Date: 12/21/2012 Spud Date: 12/06/2012 Release Date:		DOL: 17 AFE Days: 17 Last BOP T.: 12/07/2012 Safety & Environmental Incident: No	
		Country: USA State/OCSS: TEXAS Field/Permit#: WOLF CAMP EAST Supervisors: MIKE COKER / JIMMIE DAVIS Engineer/Manager: BAKER / GAYDOS / EVANS					

Depth md/tvd (ft): 14,078.03 / 6,792.77 Progress (ft): 0.00 ROP: 0.0 / = 0.00 Proposed TD (ft): 14,087.00 Next Csg Point (ft): 14,087.03	Rig: PATTERSON/206 Rig Phone: 713-445-9689 RKB (ft): 2,732.01 Ground Level (ft): 2,707.0 POB: 45 Total Man Hours: 0.00	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>Fac</th> <th>Total</th> </tr> <tr> <td>AFE #: 15837647133</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$): 232,089</td> <td>198,750</td> <td>0</td> <td>430,839</td> </tr> <tr> <td>Cum Cost(\$) 2,425,569</td> <td>499,874</td> <td>0</td> <td>2,925,443</td> </tr> <tr> <td>AFE(\$): 0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </table>		Drig	Comp	Fac	Total	AFE #: 15837647133					Day Cost(\$): 232,089	198,750	0	430,839	Cum Cost(\$) 2,425,569	499,874	0	2,925,443	AFE(\$): 0	0	0	0
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AFE #: 15837647133																								
Day Cost(\$): 232,089	198,750	0	430,839																					
Cum Cost(\$) 2,425,569	499,874	0	2,925,443																					
AFE(\$): 0	0	0	0																					

Current Activity: PREP. TO SKID RIG TO UNIV. 43-22 #5H
24 Hr Summary: R.D. HOWCO, N.D. B.O.P.'S AND SET WEATHERFORD CSG. HANGER W/ 112,000 LB. STRING WEIGHT. CUT OFF CSG. AND INSTALL BLANK FLANGE. PREP. RIG FOR SKID TO UNIV. 43-22 #5H.
24 Hr Forecast: SKID RIG TO UNIV. 43-22 #5H. PERFORM SAFETY INSP. N.U. AND TEST B.O.P.'S. M.U. BIT AND BHA. PICKUP D.P. TO DRILL OUT SURFACE CSG.

MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING			
Fluids Co.: BAROID Fluids Eng: KEN DOHERTY Time: 12:15 Location: ICTION TANK Pit Temp: 9.50 Depth (ft): 14,063.03 Density (ppg): 9.50 FV (s/qt): 58 PV (cp): 22 YP (lb/100ft²): 13 Gels (l): 10/16/20 WL: 6.60 HTHP (*F): 250 Cake: 3.00 Solids: ECD (ppg): 10.1	Oil Cnt (%): 72 H2O Cnt (%): 17 Sand Cnt: MBT: pH: PM: Chloride: Calcium: LCM (lbm/bbl): 0.0 ES (mV): 675.0 LGS (%): 3.68 Ex Lime (ppb): 3.6 OWR: 80.9 / 19.1	D M Cost(\$): \$2,786.67 C M Cost(\$): \$102,351.38 Mud Additives ENGINEERING SERVICE TAX SAFEVERT 1	Used 1 1 2	Bit# S/N Size (in) Mfg IADC Type Model # Jets Depth In (ft) Depth Out (ft) Bit Rotations On Btm Hrs Cum Footage Cum (ft) ROP Cum WOB mm/mx (kip) RPM rot/bit Bit HP HSI PSI Drop (psi) Jet Vel (ft/s) Imp Force				Size(in) 9.63 5.50 MD(ft)/TVD(ft) 807.00 / 14,087.03 / 807.00 6,795.01 FIT/LOT(ppg)	
INVENTORY									
							Item MUD DIESEL DIESEL	Inv 338 7,248	
SOLIDS CONTROL									
		Skr 1 2	Deck 1 Screens 330/330/330/330 140/140/140/140						Deck 2 Screens


MUD LOGGING			
Trip Gas (units): 0 @ Conn Gas (units): @ Form:	BG Gas (units): Pore Pressure: (%)	Surf to Surf: Lag Strokes: Lag Time: (min)	


MUD PUMPS			
	#1	#2	#3
Pump Type:			
Liner ID:			
SPM:			
GPM:			
SPR:			
1 SPM:			
Pressure:			
2 SPM:			
Pressure:			
T GPM (gpm):		SPP (psi):	
AV (DC):		AV (DP):	


SURVEYS							
MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)
13,459	89.81	359.00	6,788	7,217.30	817.48	7,217.30	1.54
13,554	90.37	358.89	6,788	7,312.28	815.73	7,312.28	0.60
13,648	89.57	357.86	6,788	7,406.24	813.07	7,406.24	1.39
13,742	89.75	357.94	6,788	7,500.17	809.62	7,500.17	0.21
13,836	89.26	359.78	6,789	7,594.15	807.75	7,594.15	2.03
13,931	88.27	0.77	6,791	7,689.12	808.21	7,689.12	1.47
14,025	89.69	4.22	6,793	7,783.00	812.30	7,783.00	3.97
14,055	89.94	4.96	6,793	7,812.91	814.70	7,812.91	2.60


OPERATION DETAILS							
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	09:00	3.00	P	CASPRD1	25	PRIMCEM	RIG DOWN HALLIBURTON AND SAGE RIDER.
09:00	12:00	3.00	P	CASPRD1	29	NDBOPE	NIPPLE DOWN BOP'S, REMOVE FLOW LINE, TURNBUCKLES, CHOKE AND KILL LINES.
12:00	13:00	1.00	P	CASPRD1	29	NDBOPE	CLEAN CELLAR AND PREPARE RIG FOR SPUD
13:00	18:30	5.50	P	CASPRD1	27	TSTWHEQ	TERMINATE SAGE RIDER CABLE, SET SLIPS W/ 112,000 LBS. STRING WT, CUT OFF CASING AND INSTALL WEATHERFORD 11" 5M BLANK FLANGE.
18:30	06:00	11.50	P	RDMO	02	RDMO	SECURE TOPDRIVE AND B.O.P.'S. PREP. RIG FOR SKID TO UNIV. 43-22 #5H.


Daily Operations Comments
 FULL CREWS. NO ACCIDENTS REPORTED.


 Daily Operations Report Onshore		Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH Country: USA State: TEXAS Field: WOLFCAMP EAST Supervisors: MIKE SHIELD / JESSY AGUILAR Engineer/Manager: PRESTON ELLIS / JOY BLEVINS / BARRY		Report Number: 004 Report Date: 01/15/2013 Spud Date: 12/06/2012 Release Date: DOE: 1 DOL: 3 AFE Days: 17.00 Last BOP T.: Safety & Environmental Incident: No																										
Event: COMPLETION LAND Safety Meeting Topic:		Rig: Rig Phone: RKB (Sea Level) (ft): 2,732.01 2,707.0 POB: 10 Manhours: 0.00		<table border="1"> <thead> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>FAC</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>AFE #:</td> <td></td> <td>160314/47133</td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>0</td> <td>79,011</td> <td>0</td> <td>79,011</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>0</td> <td>79,011</td> <td>0</td> <td>79,011</td> </tr> <tr> <td>AFE(\$):</td> <td>3,050,431</td> <td>5,778,000</td> <td>220,000</td> <td>9,048,431</td> </tr> </tbody> </table>			Drig	Comp	FAC	Total	AFE #:		160314/47133			Day Cost(\$):	0	79,011	0	79,011	Cum Cost(\$)	0	79,011	0	79,011	AFE(\$):	3,050,431	5,778,000	220,000	9,048,431
	Drig	Comp	FAC	Total																										
AFE #:		160314/47133																												
Day Cost(\$):	0	79,011	0	79,011																										
Cum Cost(\$)	0	79,011	0	79,011																										
AFE(\$):	3,050,431	5,778,000	220,000	9,048,431																										
Location: Lat: 31° 4' 52.679 N Long: 101° 14' 34.227 E		Current Activity: 24 Hr Summary: 24 Hr Forecast: INSTALL TBG SPOOL, N/U FRAC VALVE, R/U FRACTECH, ACTIVATE STAGE RIDER GAUGES AND FIRE TOE GUN, RUN HALIB HAL-CAST LOG																												
OPERATION DETAILS																														
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																							
06:00	11:00	5.00	P	WBP	42	WOEP	S/B UNTIL FRACTECH IS DONE WITH THE 43-22#5 WELL																							
11:00	13:00	2.00	P	WBP	35	STIM	R/U FRACTECH 2" IRON TO CSG. TEST TO 8,700 PSI. START PRESSURE UP ON CSG TO 5,500 PSI, CONT PRESSURE UP @ 500# INCREMENTS. @ 6,500 PSI STAGE RIDER TECH SAW ALL 3 DOWN HOLE GAUGES COME ON LINE. CONT PRESSURE UP 500 PSI AT A TIME. GUNS FIRED @8,986 PSI. PUMP INTO WELL @ 12 BPM @ 3,577 PSI. NEVER SAW A GOOD BREAK DOWN. S/D . PUMPED TOTAL OF 46BBLS 2% KCL WATER. ISIP = 2,443# 1MIN = 2,229#, 3 MIN =2,191#. 5 MIN = 2,169 PSI. S/D AND R/O WELL. ALL INFO WAS SENT TO ENGINEER IN HOUSTON. S/B TO RUN HALLIB LOG AND TRACTOR WHEN FINISHED WITH THE 43-22 #7 WELL.																							
13:00	03:00	14.00	P	WLWORK	43	WOW	S/B WAITING ON HALIB TO FINISH LOGGING THE #5 well																							
03:00	04:00	1.00	P	WLWORK	22	PLT	N/U FLENCE ON THE 43-22 #7 WELL AND TEST TO 5,000 PSI.,																							
04:00	06:00	2.00	P	WLWORK	22	PLT	OPEN WELL AND RIH WITH TRACTOR START TRACTORING FROM K.O.P DOWN TO PBTD. AT REPORT TIME WE ARE AT 9,000'.																							
Daily Operations Comments:																														
DAILY COSTS			FLUIDS			COMPLETION STRING DETAILS																								
Code	Description	Cost	Fluids Co:			Down Hole Tool Co:																								
154	WELL CONTROL RENTALS	150	Fluids Eng:			Qty	Description	Tool Sup:																						
155	OFFICE, SEWAGE AND MISC RENTALS	20	Pit Temp:					ID																						
155	OFFICE, SEWAGE AND MISC RENTALS	825	Density:					OD																						
191	CASED HOLE LOGGING	35,311	Brine Type:					Top Set																						
191	CASED HOLE LOGGING	36,385	Gel Type:																											
212	SUPERVISION - CONTRACT	1,500	Viscosity:																											
212	SUPERVISION - CONTRACT	1,500	Nitrogen:																											
242	BOP/WELLHEAD TESTING	3,320	NTU:																											
			FLOWBACK																											
			Gas Rate:																											
			Choke Size:																											
			Avg. Tbg. Press:																											
			Avg. Csg. Press:																											
			Fluid Rate (Water):																											
			Fluid Rate (Oil):																											
			Tot. Load Recovered:																											
			CASING																											
			Size(in)	MD(ft)/TVD(ft)	LOT(ppg)																									
			5.500	14,063.03 / 6,793.01																										
PERFORATIONS																														
Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments																							


 Daily Operations Report Onshore		Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH Country: USA State: TEXAS Field: WOLFCAMP EAST Supervisors: MIKE SHIELD / JESSY AGUILAR Engineer/Manager: PRESTON ELLIS / JOY BLEVINS / BARRY		Report Number: 006 Report Date: 01/17/2013 Spud Date: 12/06/2012 Release Date: DOE: 3 DOL: 5 AFE Days: 17.00 Last BOP T.: Safety & Environmental Incident: No																										
Event: COMPLETION LAND Safety Meeting Topic:		Rig: Rig Phone: RKB (Sea Level) (ft): 2,732.01 2,707.0 POB: 8 Manhours: 0.00		<table border="1"> <thead> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>FAC</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>AFE #:</td> <td></td> <td>160314/47133</td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>0</td> <td>39,759</td> <td>0</td> <td>39,759</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>0</td> <td>199,793</td> <td>0</td> <td>199,793</td> </tr> <tr> <td>AFE(\$):</td> <td>3,050,431</td> <td>5,778,000</td> <td>220,000</td> <td>9,048,431</td> </tr> </tbody> </table>			Drig	Comp	FAC	Total	AFE #:		160314/47133			Day Cost(\$):	0	39,759	0	39,759	Cum Cost(\$)	0	199,793	0	199,793	AFE(\$):	3,050,431	5,778,000	220,000	9,048,431
	Drig	Comp	FAC	Total																										
AFE #:		160314/47133																												
Day Cost(\$):	0	39,759	0	39,759																										
Cum Cost(\$)	0	199,793	0	199,793																										
AFE(\$):	3,050,431	5,778,000	220,000	9,048,431																										
Location: Lat: 31° 4' 52.679 N Long: 101° 14' 34.227 E		Current Activity: 24 Hr Summary: 24 Hr Forecast: SPOTTED SOME FRAC EQUIPT, SET RETRIEVABLE PLUG IN #5, MOVED IN TRAILERS AND R/U SAME, BLADED AROUND WELLHEAD AND INSTALLED CELLAR COVERS																												
OPERATION DETAILS																														
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																							
06:00	08:00	2.00	P	PRDHEQ	28	SFTYMTG	HOLD SAFETY AND JSA MEETING, DISCUSS E-LINE SAFETY AND MANLIFT SAFETY																							
08:00	12:00	4.00	P	PRDHEQ	27	SETP	M/I HALIBURTON E-LINE AND BAKER PLUG HAND, R/U HALIB AND TEST LUB TO 4500 PSI., RIH WITH BAKER MODEL 45A4 RETRIEVABLE BRIDGE PLUG. TIE IN WITH SHORT JOINT, SET PLUG AT 6,400' AS PER HOUSTON. GOOD SET, POSITIVE TEST PLUG TO 2500 PSI, GOOD TEST. POOH AND R/D HALIBURTON AND MOVE OFF LOCATION. OPEN CSG AND BLEED TO 0PSI, MONITOR FOR 5 MIN, LOOKS GOOD																							
12:00	16:00	4.00	P	MIRU	01	MIRU	FRACTECH HAS SPOTTED KINGS, DUAL BELT, AND IS STARTING TO PUT DOWN CONTAINMENT WHERE THE CAN. LATZELL WATER WELL HANDS ARE HERE, WILL SPOOL OFF 3" POLY PIPE TO 750' AND PUMP OUT 17.5 BBLS TO CELLAR. CALL VAC TRUCK TO CLEAN OUT CELLAR.																							
16:00	18:00	2.00	P	STRUCT			DO DIRT WORK AROUND OTHER 2- CELLARS. GET LOCATION BACK BLADED WHERE REST OF EQUIPT WILL BE SPOTTED. FRAC VALVE FOR THE 43-22 #3 WILL BE HERE IN AM, PINNACLE WILL ALSO BE HERE IN AM. WILL R/U VALVES, SPOOLS AND FLANGES FOR PINNACLE IN AM.																							
18:00	06:00	12.00	P	MIRU	42	WOEP	S.D.F.N. WAITING ON EQUIPT AND PERSONNEL IN AM.																							
Daily Operations Comments: NO INCIDENTS OR ACCIDENTS, NO SPILLS OR POLLUTION, NO OFFICIAL VISITS.																														
DAILY COSTS			FLUIDS			COMPLETION STRING DETAILS																								
Code	Description	Cost	Fluids Co: Fluids Eng: Pit Temp: Density: Brine Type: Gel Type: Viscosity: Nitrogen: NTU:			Down Hole Tool Co: Tool Sup:																								
123	CAMP AND CATERING	950				Qty	Description	ID	OD	Top Set																				
123	CAMP AND CATERING	378																												
123	CAMP AND CATERING	530																												
133	WATER	1,300																												
133	WATER	2,500																												
133	WATER	900																												
134	FRAC TANK RENTAL	8,550																												
154	WELL CONTROL RENTALS	150																												
155	OFFICE, SEWAGE AND MISC RENTALS	20																												
155	OFFICE, SEWAGE AND MISC RENTALS	1,200																												
155	OFFICE, SEWAGE AND MISC RENTALS	825																												
156	MONITORING EQUIPMENT	4,350																												
156	MONITORING EQUIPMENT	3,100																												
163	PLUGS AND PACKERS	5,259																												
191	CASED HOLE LOGGING	4,647																												
212	SUPERVISION - CONTRACT	1,500																												
212	SUPERVISION - CONTRACT	1,500																												
242	BOP/WELLHEAD TESTING	2,100																												
			FLOWBACK																											
			Gas Rate: Choke Size: Avg. Tbg. Press: Avg. Csg. Press: Fluid Rate (Water): Fluid Rate (Oil): Tot. Load Recovered:																											
			CASING																											
			Size(in) MD(ft)/TVD(ft) LOT(ppg)																											
			5.500 14,063.03 / 6,793.01																											
PERFORATIONS																														
Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments																							


 Daily Operations Report Onshore		Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH Country: USA State: TEXAS Field: WOLFCAMP EAST Supervisors: MIKE SHIELD / JESSY AGUILAR Engineer/Manager: PRESTON ELLIS / JOY BLEVINS / BARRY		Report Number: 007 Report Date: 01/18/2013 Spud Date: 12/06/2012 Release Date: DOE: 4 DOL: 6 AFE Days: 17.00 Last BOP T.: Safety & Environmental Incident: No																										
Event: COMPLETION LAND Safety Meeting Topic:		Rig: Rig Phone: RKB (Sea Level) (ft): 2,732.01 2,707.0 POB: 43 Manhours: 0.00		<table border="1"> <thead> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>FAC</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>AFE #:</td> <td></td> <td>160314/47133</td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>0</td> <td>78,580</td> <td>0</td> <td>78,580</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>0</td> <td>287,282</td> <td>0</td> <td>287,282</td> </tr> <tr> <td>AFE(\$):</td> <td>3,050,431</td> <td>5,778,000</td> <td>220,000</td> <td>9,048,431</td> </tr> </tbody> </table>			Drig	Comp	FAC	Total	AFE #:		160314/47133			Day Cost(\$):	0	78,580	0	78,580	Cum Cost(\$)	0	287,282	0	287,282	AFE(\$):	3,050,431	5,778,000	220,000	9,048,431
	Drig	Comp	FAC	Total																										
AFE #:		160314/47133																												
Day Cost(\$):	0	78,580	0	78,580																										
Cum Cost(\$)	0	287,282	0	287,282																										
AFE(\$):	3,050,431	5,778,000	220,000	9,048,431																										
Location: Lat: 31° 4' 52.679 N Long: 101° 14' 34.227 E		Current Activity: 24 Hr Summary: 24 Hr Forecast: M/I AND R/U CRANE,HALLIB E-LINE, SUPREME GREAS PKG, O.T.T, PINNACLE EQUIPT FOR MONITORING, BOOTS & COOTS FRAC STACK AND 2" IRON																												
OPERATION DETAILS																														
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																							
06:00	08:00	2.00	P	MIRU	42	WOEP	WAITING ON EQUIPT AND PERSONNEL																							
08:00	08:30	0.50	P	MIRU	28	SFTYMTG	HOLD SAFETY AND ORIENTATION MEETING, DISCUSS WORKING IN COLD WEATHER, AND VEHICLE SPOTTING																							
08:30	13:00	4.50	P	MIRU	01	MIRU	FINISH LAYING CONTAINMENT, SPOT CRANE, N/U FRAC STACK, N/U SPOOL ON THE MONITOR WELL, SPOT GREASE UNIT, M/U LUBRICATOR, HALIB E-LINE WILL NOT BE HERE UNTIL 1300 HRS.																							
13:00	18:00	5.00	P	MIRU	01	MIRU	HALLIBURTON ON LOCATION, HAVE TO ORIENTATE CREW, SPOT TRUCK ON LOCATION, BOOTS AND COOTS HAVE MOST OF THERE 2" IRON R/U FRACTECH IS PRE-FILLING KING'S, PINNACLE IS TRACTORING TOOLS INTO THE #3 WELL TO MONITOR WHILE FRACING THE #7 WELL. ALSO N/U W/L BOP AND PACK-OFF ON THE #5 WELL TO RUN ANOTHER TOOL STRING IN VERTICLE SECTION FOR MONITORING. WATER TRANSFER HAS LINE COMPLETED FROM THE 44-12 POND TO THE 43-22 AND WILL TEST LINES .LINE FROM PIT TO LOCATION WILL BE COMPLETE ON FRIDAY. SUPPORT EQUIPT IS 90% R/U. FRACTECH HAS BACK-SIDE R/U, WILL ROLL IN AT DAYLIGHT TO R/U ALL FRON SIDE EQUIPT																							
18:00	06:00	12.00		MIRU	01	MIRU	FINISH FILLING KING'S WITH 100 MESH AND 40/70 WHITE, FINISH TRACTORING TOLL S IN THE #3 WELL, TOP OF MONITORING TOOLS IS AT 13,500'																							
Daily Operations Comments: NO INCIDENTS OR ACCIDENTS, NO SPILLS OR POLLUTION, NO OFFICIAL VISITS.																														
DAILY COSTS			FLUIDS			COMPLETION STRING DETAILS																								
Code	Description	Cost	Fluids Co: Fluids Eng: Pit Temp: Density: Brine Type: Gel Type: Viscosity: Nitrogen: NTU:			Down Hole Tool Co: Tool Sup:																								
123	CAMP AND CATERING	755				Qty	Description	ID	OD	Top Set																				
133	WATER	1,025																												
134	FRAC TANK RENTAL	8,550																												
134	FRAC TANK RENTAL	470																												
134	FRAC TANK RENTAL	30																												
134	FRAC TANK RENTAL	970																												
134	FRAC TANK RENTAL	500																												
154	WELL CONTROL RENTALS	1,500																												
155	OFFICE, SEWAGE AND MISC RENTALS	20																												
155	OFFICE, SEWAGE AND MISC RENTALS	825																												
156	MONITORING EQUIPMENT	40,000																												
156	MONITORING EQUIPMENT	12,650																												
157	SAFETY/MEDICAL	760																												
157	SAFETY/MEDICAL	800																												
			FLOWBACK																											
			Gas Rate: Choke Size: Avg. Tbg. Press: Avg. Csg. Press: Fluid Rate (Water): Fluid Rate (Oil): Tot. Load Recovered:																											
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PERFORATIONS																														
Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments																							


 Daily Operations Report Onshore		Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH Country: USA State: TEXAS Field: WOLFCAMP EAST Supervisors: MIKE SHIELD / JESSE AGUILAR Engineer/Manager: PRESTON ELLIS / JOY BLEVINS / BARRY		Report Number: 008 Report Date: 01/19/2013 Spud Date: 12/06/2012 Release Date: DOE: 5 DOL: 7 AFE Days: 17.00 Last BOP T.: Safety & Environmental Incident: No																										
Event: COMPLETION LAND Safety Meeting Topic:		Rig: Rig Phone: RKB (Sea Level) (ft): 2,732.01 2,707.0 POB: 42 Manhours: 0.00		<table border="1"> <thead> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>FAC</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>AFE #:</td> <td></td> <td>160314/47133</td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>0</td> <td>128,858</td> <td>0</td> <td>128,858</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>0</td> <td>423,118</td> <td>0</td> <td>423,118</td> </tr> <tr> <td>AFE(\$):</td> <td>3,050,431</td> <td>5,778,000</td> <td>220,000</td> <td>9,048,431</td> </tr> </tbody> </table>			Drig	Comp	FAC	Total	AFE #:		160314/47133			Day Cost(\$):	0	128,858	0	128,858	Cum Cost(\$)	0	423,118	0	423,118	AFE(\$):	3,050,431	5,778,000	220,000	9,048,431
	Drig	Comp	FAC	Total																										
AFE #:		160314/47133																												
Day Cost(\$):	0	128,858	0	128,858																										
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Location: Lat: 31° 4' 52.679 N Long: 101° 14' 34.227 E																														
Current Activity: 24 Hr Summary: 24 Hr Forecast: FINISH MOVE IN AND SPOT ALL FRAC EQUIPT, R/U E-LINE, AND FINISH BOOTS AND COOTS, TEST TO 9,000 PSI GOOD TEST. FINISH FRAC R/U																														
OPERATION DETAILS																														
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																							
06:00	07:00	1.00	P	MIRU	42	WOEP	WAITING ON CREW'S TO ARRIVE																							
07:00	07:30	0.50	P	MIRU	28	SFTYMTG	SAFETY AND JSA MEETING WITH ALL PERSONNEL, DISCUSS WORKING WITH NEW VENDORS, AND VEHICLE SAFETY																							
07:30	12:00	4.50	P	MIRU	01	MIRU	FRACTECH M/I ALL FRONT SIDE, SPOT E-LINE TRUCK AND GUN TRAILER, START R/U PUMP IRON, BOOTS AND COOTS, FIN THERE 2" IRON, TEST STACK TO 9,000 PSI, CHART AND SIGN. P/U SUPREME LUBRICATOR AND CHECK CRANE HEIGHT IN CASE WE NEED TO RUN TRACTOR, ALL IS GOOD.																							
12:00	18:00	6.00	P	MIRU	01	MIRU	FINISH WATER TRANSFER LINE, FILL FRAC TANKS AND ADD 1 GAL BIOCIDES TO EACH TANK WHILE FILLING, ACID ARRIVED ON LOCATION, HAVE JSA MEETING ON UNLOADING AND BLENDING ACID. FRACTECH CONT TO R/U ALL EQUIPT.																							
18:00	18:30	0.50	P	MIRU	01	MIRU	CREW CHANGE- SAFETY AND JSA MEETING WITH ALL PERSONNEL, DISCUSS WORKING WITH NEW VENDORS, AND VEHICLE SAFETY																							
18:30	00:30	6.00	P	MIRU	01	MIRU	CONTINUE TO RIG UP FRAC EQUIPMENT, MIRU THE LAST 2 FRAC PUMPS. PERFORMED WATER ANALYSIS ON ALL FRAC TANKS, ALL TANKS CHECKED OUT GOOD. START ON SAND SIEVE TESTING, STARTED BREAK TEST ANALYSIS.																							
00:30	04:00	3.50	P	MIRU	01	MIRU	FINISH MIXING AND TITRATING 15% & 7.5% ACID TANKS, FINISHED UP WITH SAND SIEVE ANALYSIS AND BREAKER TEST, EMAILED RESULTS																							
04:00	06:00	2.00	P	MIRU	01	MIRU	MOVE IN AND SPOT TCV, HOOKED UP ALL CABLES AND PRIMED UP PUMPS. PRESSURE TESTED PUMPS AND LINES TO 8500 PSI, HELD FOR 15 MINS, CHECKED AND SET N2 POP-OFF TO 8200 PSI. SET TRIPS ON PUMPS TO 7800 PSI.																							
Daily Operations Comments: NO INCIDENTS OR ACCIDENTS, NO SPILLS OR POLLUTION, NO OFFICIAL VISITS.																														
DAILY COSTS			FLUIDS			COMPLETION STRING DETAILS																								
Code	Description	Cost	Fluids Co: Fluids Eng: Pit Temp: Density: Brine Type: Gel Type: Viscosity: Nitrogen: NTU:			Down Hole Tool Co: Tool Sup: Qty Description ID OD Top Set																								
123	CAMP AND CATERING	760	FLOWBACK Gas Rate: Choke Size: Avg. Tbg. Press: Avg. Csg. Press: Fluid Rate (Water): Fluid Rate (Oil): Tot. Load Recovered:																											
123	CAMP AND CATERING	870																												
131	FUEL	17,659																												
131	FUEL	7,020																												
133	WATER	1,025																												
134	FRAC TANK RENTAL	30	CASING Size(in) MD(ft)/TVD(ft) LOT(ppg)																											
134	FRAC TANK RENTAL	470																												
134	FRAC TANK RENTAL	500																												
134	FRAC TANK RENTAL	970																												
154	WELL CONTROL RENTALS	1,500	5,500 14,063.03 / 6,793.01																											
154	WELL CONTROL RENTALS	2,935																												
154	WELL CONTROL RENTALS	7,073																												
155	OFFICE, SEWAGE AND MISC RENTALS	20																												
155	OFFICE, SEWAGE AND MISC RENTALS	825																												
156	MONITORING EQUIPMENT	75,420																												
157	SAFETY/MEDICAL	760																												
PERFORATIONS																														
Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments																							


 Daily Operations Report Onshore		Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH Country: USA State: TEXAS Field: WOLFCAMP EAST Supervisors: MIKE SHIELD / JESSE AGUILAR Engineer/Manager: PRESTON ELLIS / JOY BLEVINS / BARRY		Report Number: 009 Report Date: 01/20/2013 Spud Date: 12/06/2012 Release Date: DOE: 6 Last BOP T.: DOL: 8 Safety & Environmental Incident: No																										
Event: COMPLETION LAND Safety Meeting Topic:		Rig: Rig Phone: RKB (Sea Level) (ft): 2,732.01 2,707.0 POB: 42 Manhours: 0.00		<table border="1"> <thead> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>FAC</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>AFE #:</td> <td></td> <td>160314/47133</td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>0</td> <td>280,887</td> <td>0</td> <td>280,887</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>0</td> <td>704,005</td> <td>0</td> <td>704,005</td> </tr> <tr> <td>AFE(\$):</td> <td>3,050,431</td> <td>5,778,000</td> <td>220,000</td> <td>9,048,431</td> </tr> </tbody> </table>			Drig	Comp	FAC	Total	AFE #:		160314/47133			Day Cost(\$):	0	280,887	0	280,887	Cum Cost(\$)	0	704,005	0	704,005	AFE(\$):	3,050,431	5,778,000	220,000	9,048,431
	Drig	Comp	FAC	Total																										
AFE #:		160314/47133																												
Day Cost(\$):	0	280,887	0	280,887																										
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AFE(\$):	3,050,431	5,778,000	220,000	9,048,431																										
Location: Lat: 31° 4' 52.679 N Long: 101° 14' 34.227 E																														
Current Activity: 24 Hr Summary: 24 Hr Forecast: PERFORATE TOE, FRAC STAGE 1,2,3 WIRELINE STAGES 1,2,3,4																														
OPERATION DETAILS																														
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																							
06:00	06:30	0.50	P	STG01	28	SFTYMTG	HOLD SAFETY AND JSA WITH DAY CREW, DISCUSS GOOD TURN OVER AND W/L PUMP DOWN SAFETY																							
06:30	07:00	0.50	P	STG01	35	STIM	PRIME UP AND TEST FRACTECH LINES, GOT A COUPLE LEAKS																							
07:00	08:30	1.50	N	STG01	59	EQFAIL	HAVE A LEAK ON KELLY VALVE, REPLACE VALVE, FOUND ANOTHER LEAK ON ONE OF THE DROP DOWNS. REPLCE O-RING SEAL AND RE-TEST																							
08:30	10:00	1.50	P	STG01	21	PERF	GOT GOOD TEST TO 8300 PSI, B/O TO SICP OF 765 PSI. OPEN WELL, PUMP 30 BBLs TW @ 20 BPM, SLOW RATE TO 12 BPM AND PUMP 50 BBLs OF 15% HCL. CONT DISPLACE ACID DOEN TO 14,000. PRESSURE WAS																							
10:00	13:00	3.00	P	STG01	21	PERF	ANNOUNCE RADIO SILENCE, P/U HALIB GUN ASSY AITH DUMMY PUMP DOWN PLUG, TEST LUB TO 8,000 PSI. B/O TO SICP. OPEN WELL AND PUMP GUNS DOWN TO PERFORMING DEPTH. SHOT FIRST, SECOND, THIRD 4TH AND 5TH GUN THEN GOT HUNG UP. TRIED PULLING, SURGING, PUMPING 15# GEL SWEEP, NO MOVEMENT, DISCUSS WITH ENGINEERS, DECIDE TO PULL A BIND AND FIRE GUN #6, GUN FIRED BUT WE ARE STILL HUNG UP, DISCUSSING IN OFFICE, HAVE 30# GEL MIXED STANDING BY.																							
13:00	18:00	5.00	N	STG01	55	PERFPROB	CONT TALKING WITH HALIB AND EP ENGINEERS, TRIED X-LINK PILLS, BRINGING PUMP RATE UP TO 80 BPM THEN DROPPING TO 20 BPM, GOT A LITTLE MOVEMENT OUT OF THE GUNS. ORIGINAL DEPTH WAS CCL @ 13,754', WERE ABLE TO WORK DOWN A COUPLE TIMES, TO 13,865' THEN HAVE TO FIGHT OUR WAY BACK UP TO 13,843' WHERE WE ARE NOW, SHUT DOWN TO COOL OFF LINE, FRACTECH HAVING PROBLEMS WITH GEL PUMP AND STATION #12. CONT WORK GUNS, GOT MORE MOVEMENT BY PUMPING 80BPM THEN DROPPING TO 10 BPM AS FAST AS POSSIBLE, GOT UP TO 13,838' AT CREW CHANGE WE WERE UP TO 13,762 FOR A TOTAL OF 76'.																							
18:00	18:30	0.50	P	STG01	28	SFTYMTG	HELD SAFETY AND JSA WITH NIGHT CREW, DISCUSS GOOD TURN OVER AND PAYING CLOSE ATTENTION WHILE WE ARE TRYING TO GUNS UN STUCK.																							
18:30	19:30	1.00	N	STG01	55	PERFPROB	CONT WORKING WIRE TRYING TO FREE UP GUNS, PUMP 20 40 60 80 BPM THEN S/D FRAC PUMPS HARD, WHEN PUMPS AT IDLE SURGE WELL TO TANK, SOMETHING CAME LOOSE, CK WT, WHILE PICKING UP, SHOWING 1400 #. NOTIFY ENGINEER.																							
19:30	21:30	2.00	P	STG01	55	PERFPROB	POOH WITH HALIB E-LINE, DID NOT SEE ANY WT INCREASE WHEN IN VERTICLE SECTION. OOH, SHUT IN WELL. COUNTER ON E-LINE IS SHOWING TO BE ABOUT 50' SHORT. NOTIFY ENGINEER. END OF WIRE DID NOT LOOK LIKE IT PULLED OUT OF CABLE HEAD. WHILE LAYING DOWN LUB, SHEAVE GOT CAUGHT IN CABLE AND ENDED UP BETWEEN THE BLOCK AND GREASE HEAD, BENDING THE HEAD WHILE LAYING DOWN, CALL FOR NEW GREASE HEAD.																							
21:30	22:00	0.50	P	STG01	35	STIM	MIX AND PUMP 30BBL OF 30# X-LINK PILL TO INSURE GUN GETS PUSHED TO BOTTOM																							
21:30	21:30	0.00	P	STG01	35	STIM	DISCUSS WITH ENGINEER, WILL PUMP 30 BBL 30# X-LINK PILL TO MAKE SURE GUN IS PUSHED TO BOTTOM OF HOLE, GUN WAS LEFT @ 13,764' TO 13,794'. PILL SHOULD PUSH TO BOTTOM, IT IS NOT IN THE WAY NOW TO SET NEXT PLUG @ 13,638'. SHOULD BE GOOD																							
22:00	00:00	2.00	P	STG01	35	STIM	OPEN WELL AND FRAC STAGE 1 AS PER DESIGN. SEE STIM REPORT FOR DETAILS.																							
00:00	05:00	5.00	N	STG02	42	WOEP	HAD TO WAIT ON A NEW GREASE HEAD, DUE TO THE GREASE HEADON LOCATION WAS BENT WHEN LAYING DOWN THE LUBRICATOR. RE-HEADED WL.																							
Daily Operations Comments: NO INCIDENTS OR ACCIDENTS, NO SPILLS OR POLLUTION, NO OFFICIAL VISITS.																														
DAILY COSTS			FLUIDS		COMPLETION STRING DETAILS																									
Code	Description	Cost			Down Hole Tool Co:																									
123	CAMP AND CATERING	870	Fluids Co:		Qty	Description	Tool Sup:																							
123	CAMP AND CATERING	1,320	Fluids Eng:				ID																							
123	CAMP AND CATERING	1,420	Pit Temp:				OD																							
			Density:				Top Set																							
131	FUEL	20,632	Brine Type:																											
			Gel Type:																											
			Viscosity:																											
			Nitrogen:																											
			NTU:																											
133	WATER	1,025	FLOWBACK Gas Rate: Choke Size: Avg. Tbg. Press: Avg. Csg. Press: Fluid Rate (Water): Fluid Rate (Oil): Tot. Load Recovered:																											
133	WATER	4,717																												
134	FRAC TANK RENTAL	30																												
134	FRAC TANK RENTAL	500																												
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134	FRAC TANK RENTAL	970	CASING Size(in) MD(ft)/TVD(ft) LOT(ppg) 5.500 14,063.03 / 6,793.01																											
141	MUD and CHEMICALS	4,350																												
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155	OFFICE, SEWAGE AND MISC RENTALS	20																												
155	OFFICE, SEWAGE AND MISC RENTALS	825																												
156	MONITORING EQUIPMENT	90,000																												
157	SAFETY/MEDICAL	800																												
PERFORATIONS																														
Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments																							


 Daily Operations Report Onshore		Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH Country: USA State: TEXAS Field: WOLFCAMP EAST Supervisors: MIKE SHIELD / JESSE AGUILAR Engineer/Manager: PRESTON ELLIS / JOY BLEVINS / BARRY		Report Number: 010 Report Date: 01/21/2013 Spud Date: 12/06/2012 Release Date: DOE: 7 DOL: 9 AFE Days: 17.00 Last BOP T.: Safety & Environmental Incident: No CSG Test:																										
Event: COMPLETION LAND Safety Meeting Topic:		Rig: Rig Phone: RKB (Sea Level) (ft): 2,732.01 2,707.0 POB: 42 Manhours: 0.00		<table border="1"> <thead> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>FAC</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>AFE #:</td> <td></td> <td>160314/47133</td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>0</td> <td>470,020</td> <td>0</td> <td>470,020</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>0</td> <td>1,174,025</td> <td>0</td> <td>1,174,025</td> </tr> <tr> <td>AFE(\$):</td> <td>3,050,431</td> <td>5,778,000</td> <td>220,000</td> <td>9,048,431</td> </tr> </tbody> </table>			Drig	Comp	FAC	Total	AFE #:		160314/47133			Day Cost(\$):	0	470,020	0	470,020	Cum Cost(\$)	0	1,174,025	0	1,174,025	AFE(\$):	3,050,431	5,778,000	220,000	9,048,431
	Drig	Comp	FAC	Total																										
AFE #:		160314/47133																												
Day Cost(\$):	0	470,020	0	470,020																										
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AFE(\$):	3,050,431	5,778,000	220,000	9,048,431																										
Location: Lat: 31° 4' 52.679 N Long: 101° 14' 34.227 E																														
Current Activity: 24 Hr Summary: 24 Hr Forecast: WIRELINE STAGES 2,3,4,5,6 & FRAC STAGES 2,3,4,5,6																														
OPERATION DETAILS																														
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																							
06:00	06:30	0.50	P	STG02	28	SFTYMTG	SAFETY MEETING AND JSA WITH DAY CREW, DISCUSS PERSONAL HYGENE, AND GOOD COMMUNICATIONS																							
06:30	07:00	0.50	P	STG02	21	PERF	ANNOUNCE RADIO SILENCE, P/U GUNS AND LUB, HAVING TROUBLE WITH TOP SHEAVE HANGING STRAIGHT, L/D LUB AND RE-ADJUST SHEAVE. P/U AND M/U TO BOP. TEST LUB TO 8,000 PSI. B/O TO SICP.																							
07:00	09:15	2.25	P	STG02	21	PERF	OPEN WELL, PUMP PLUG DOWN TO SETTING DEPTH OF 13,645'. SET PLUG AND PERF STG #2 FROM 13,607' UP TO 13,449'. POOH ALL GUNS FIRED.																							
09:15	11:15	2.00	P	STG02	35	STIM	TEST STACK TO 8,300 PSI, B/O AND EQ TO SICP + 500 = 2850#. OPEN WELL AND FRAC STG #2 AS PER DESIGN, SEE STIM REPORT FOR RESULTS																							
11:15	14:00	2.75	P	STG03	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS, TEST TO 8,000 PSI, B/O TO SICP. OPEN WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 13,415'. SET PLUG AND SHOOT STG #3 FROM 13,384' TO 13,223' POOH, ALL GUNS FIRED.																							
14:00	14:15	0.25	P	STG03	35	STIM	PRIME UP 2-PUMPS, TEST STACK TO 8,300 PSI. B/O & EQ TO SICP + 500PSI = 2,800#																							
14:15	16:00	1.75	P	STG03	35	STIM	OPEN WELL AND FRAC STG #3 AS PER DESIGN, HAD A PRETTY GOOD SPIKE WHEN 3/4# MESH HIT THE FORMATION, OTHERWISE JOB WENT GREAT.																							
16:00	18:00	2.00	P	STG04	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST, B/O TO SICP. WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 13,196'. SET PLUG AND SHOOT STG #4 FROM 13,161' TO 13,003' POOH, ALL GUNS FIRED.																							
18:00	18:15	0.25	P	STG04	28	SFTYMTG	SAFETY MEETING AND JSA WITH DAY CREW, DISCUSS JOB DUTIES, HOUSE KEEPING AND GOOD COMMUNICATIONS																							
18:15	20:15	2.00	P	STG04	35	STIM	TEST STACK TO 8,300 PSI, B/O AND EQ TO SICP + 500 = 2700#. OPEN WELL AND FRAC STG #4 AS PER DESIGN, SEE STIM REPORT FOR RESULTS																							
20:15	22:30	2.25	P	STG05	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST, B/O TO SICP. WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 12,969'. SET PLUG AND SHOOT STG #5 FROM 12,938' TO 12,776' POOH, ALL GUNS FIRED.																							
22:30	00:30	2.00	P	STG05	35	STIM	TEST STACK TO 8,300 PSI, B/O AND EQ TO SICP + 500 = 2800#. OPEN WELL AND FRAC STG #5 AS PER DESIGN, SEE STIM REPORT FOR RESULTS																							
00:30	02:30	2.00	P	STG06	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST, B/O TO SICP. WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 12,750'. SET PLUG AND SHOOT STG #6 FROM 12,715' TO 12,557' POOH, ALL GUNS FIRED.																							
02:30	04:30	2.00	P	STG06	35	STIM	TEST STACK TO 8,300 PSI, B/O AND EQ TO SICP + 500 = 2750#. OPEN WELL AND FRAC STG #6 AS PER DESIGN, SEE STIM REPORT FOR RESULTS																							
04:30	06:00	1.50		STG07	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST, B/O TO SICP. WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 12,523'. SET PLUG AND SHOOT STG #7 FROM 12,492' TO 12,334' POOH, ALL GUNS FIRED.																							
Daily Operations Comments: NO INCIDENTS OR ACCIDENTS, NO SPILLS OR POLLUTION, NO OFFICIAL VISITS.																														
DAILY COSTS			FLUIDS		COMPLETION STRING DETAILS																									
Code	Description	Cost			Down Hole Tool Co:																									
122	HEATER/BOILER	1,430	Fluids Co:		Qty	Description	Tool Sup:																							
123	CAMP AND CATERING	1,320	Fluids Eng:				ID																							
123	CAMP AND CATERING	870	Pit Temp:				OD																							
			Density:				Top Set																							
			Brine Type:																											
			Gel Type:																											
131	FUEL	22,870	Viscosity:																											
132	DISPOSAL - CUTTINGS, FLUIDS	338	Nitrogen:																											
133	WATER	10,825	NTU:																											
133	WATER	4,717																												
133	WATER	1,025																												
134	FRAC TANK RENTAL	500																												
134	FRAC TANK RENTAL	30																												
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 Daily Operations Report Onshore		Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH Country: USA State: TEXAS Field: WOLFCAMP EAST Supervisors: MIKE SHIELD / JESSE AGUILAR Engineer/Manager: PRESTON ELLIS / JOY BLEVINS / BARRY		Report Number: 011 Report Date: 01/22/2013 Spud Date: 12/06/2012 Release Date: DOE: 8 Last BOP T.: DOL: 10 AFE Days: 17.00 CSG Test: Safety & Environmental Incident: No																										
Event: COMPLETION LAND Safety Meeting Topic:		Rig: Rig Phone: RKB (Sea Level) (ft): 2,732.01 2,707.0 POB: 42 Manhours: 0.00		<table border="1"> <thead> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>FAC</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>AFE #:</td> <td></td> <td>160314/47133</td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>0</td> <td>275,799</td> <td>0</td> <td>275,799</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>0</td> <td>1,500,715</td> <td>0</td> <td>1,500,715</td> </tr> <tr> <td>AFE(\$):</td> <td>3,050,431</td> <td>5,778,000</td> <td>220,000</td> <td>9,048,431</td> </tr> </tbody> </table>			Drig	Comp	FAC	Total	AFE #:		160314/47133			Day Cost(\$):	0	275,799	0	275,799	Cum Cost(\$)	0	1,500,715	0	1,500,715	AFE(\$):	3,050,431	5,778,000	220,000	9,048,431
	Drig	Comp	FAC	Total																										
AFE #:		160314/47133																												
Day Cost(\$):	0	275,799	0	275,799																										
Cum Cost(\$)	0	1,500,715	0	1,500,715																										
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Location: Lat: 31° 4' 52.679 N Long: 101° 14' 34.227 E																														
Current Activity: 24 Hr Summary: 24 Hr Forecast: WIRELINE STAGES 7,8,9,10,11 & FRAC STAGES 7,8,9,10,11																														
OPERATION DETAILS																														
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																							
06:00	06:15	0.25	P	STG07	28	SFTYMTG	SAFETY MEETING AND JSA WITH DAY CREW, DISCUSS PERSONAL HYGENE, AND GOOD COMMUNICATIONS																							
06:15	07:45	1.50	N	STG07	55	PERFPROB	SHOT FIRST GUNS AND SECOND SET MISS FIRED, POOH AND CHANGE OUT GUNS																							
07:45	09:30	1.75	P	STG07	21	PERF	OPEN WELL AND PUMP DUMMY PLUG DOWN TO SHOOT STG #7 FROM 12,492' TO 12,334' POOH, ALL GUNS FIRED																							
09:30	11:45	2.25	P	STG07	35	STIM	OPEN WELL AND FRAC STG #7 AS PER DESIGN, SEE STIM REPORT FOR RESULTS																							
11:45	12:15	0.50	P	STG08	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST,																							
12:15	13:30	1.25	P	STG08	21	PERF	OPEN WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 12,304',SET PLUG AND SHOOT STG #8 FROM 12,269' TO 12,111' POOH, ALL GUNS FIRED																							
13:30	16:30	3.00	N	STG08	55	PERFPROB	SHOT FIRST GUNS AND SECOND SET MISS FIRED, POOH AND CHANGE OUT GUNS, PICK UP AND PUMPED THE SECOND SET OF GUN DOWN WITH A MISS FIRE ON THE SECOND GUN, NO SHOTS																							
16:30	18:00	1.50	P	STG08	21	PERF	OPEN WELL AND PUMP DUMMY PLUG DOWN TO SHOOT STG #8 FROM 12,269' TO 12,111' POOH, ALL GUNS FIRED																							
18:00	18:30	0.50	P	STG08	28	SFTYMTG	SAFETY MEETING AND JSA WITH NIGHT CREW,																							
18:30	20:00	1.50	P	STG08	35	STIM	TEST STACK TO 8,300 PSI, B/O AND EQ TO SICP + 500 = 2750#.OPEN WELL AND FRAC STG #8 AS PER DESIGN, SEE STIM REPORT FOR RESULTS																							
20:00	22:00	2.00	N	STG09	55	PERFPROB	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST, B/O TO SICP. WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 12,077'. SET PLUG AND ATTEMPTED TO SHHOT STG #9 FROM 12,043' TO 11,884' GUNS DID NOT FIRE, POOH																							
22:00	01:15	3.25	N	STG09	55	PERFPROB	OPEN WELL AND PUMP DUMMY PLUG DOWN TO SHOOT STG #9 FROM 12,046' TO 11,884, GUNS DID NOT FIRE AGAIN, POOH																							
01:15	03:15	2.00	P	STG09	21	PERF	OPEN WELL AND PUMP DUMMY PLUG DOWN TO SHOOT STG #9 FROM 12,046' TO 11,884, ALL SHOTS FIRED, POOH																							
03:15	06:00	2.75	P	STG09	35	STIM	TEST STACK TO 8,300 PSI, B/O AND EQ TO SICP + 500 = 2800#.OPEN WELL AND FRAC STG #9 AS PER DESIGN, SEE STIM REPORT FOR RESULTS																							
Daily Operations Comments: NO INCIDENTS OR ACCIDENTS, NO SPILLS OR POLLUTION, NO OFFICIAL VISITS.																														
DAILY COSTS			FLUIDS			COMPLETION STRING DETAILS																								
Code	Description	Cost	Fluids Co:			Down Hole Tool Co:																								
122	HEATER/BOILER	1,430	Fluids Eng:			Qty	Description	Tool Sup:																						
123	CAMP AND CATERING	870	Pit Temp:			ID	OD	Top Set																						
123	CAMP AND CATERING	1,320	Density:																											
131	FUEL	21,763	Brine Type:																											
132	DISPOSAL - CUTTINGS, FLUIDS	338	Gel Type:																											
133	WATER	10,825	Viscosity:																											
133	WATER	4,717	Nitrogen:																											
133	WATER	1,025	NTU:																											
134	FRAC TANK RENTAL	30																												
134	FRAC TANK RENTAL	470																												
134	FRAC TANK RENTAL	970																												
134	FRAC TANK RENTAL	500																												
141	MUD and CHEMICALS	13,050																												
154	WELL CONTROL RENTALS	5,625																												
154	WELL CONTROL RENTALS	8,661																												
155	OFFICE, SEWAGE AND MISC RENTALS	20																												
155	OFFICE, SEWAGE AND MISC RENTALS	825																												
156	MONITORING EQUIPMENT	48,420																												
157	SAFETY/MEDICAL	800																												
PERFORATIONS																														
Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments																							


 Daily Operations Report Onshore		Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH Country: USA State: TEXAS Field: WOLFCAMP EAST Supervisors: MIKE SHIELD / JESSE AGUILAR Engineer/Manager: PRESTON ELLIS / JOY BLEVINS / BARRY		Report Number: 012 Report Date: 01/23/2013 Spud Date: 12/06/2012 Release Date: DOE: 9 DOL: 11 AFE Days: 17.00 Last BOP T.: CSG Test:																										
Event: COMPLETION LAND Safety Meeting Topic:		Rig: Rig Phone: RKB (Sea Level) (ft): 2,732.01 2,707.0 POB: 42 Manhours: 0.00		<table border="1"> <thead> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>FAC</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>AFE #:</td> <td></td> <td>160314/47133</td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>0</td> <td>179,411</td> <td>0</td> <td>179,411</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>0</td> <td>1,725,749</td> <td>0</td> <td>1,725,749</td> </tr> <tr> <td>AFE(\$):</td> <td>3,050,431</td> <td>5,778,000</td> <td>220,000</td> <td>9,048,431</td> </tr> </tbody> </table>			Drig	Comp	FAC	Total	AFE #:		160314/47133			Day Cost(\$):	0	179,411	0	179,411	Cum Cost(\$)	0	1,725,749	0	1,725,749	AFE(\$):	3,050,431	5,778,000	220,000	9,048,431
	Drig	Comp	FAC	Total																										
AFE #:		160314/47133																												
Day Cost(\$):	0	179,411	0	179,411																										
Cum Cost(\$)	0	1,725,749	0	1,725,749																										
AFE(\$):	3,050,431	5,778,000	220,000	9,048,431																										
Location: Lat: 31° 4' 52.679 N Long: 101° 14' 34.227 E																														
Current Activity: 24 Hr Summary: 24 Hr Forecast: WIRELINE STAGES10,11,12,13,14 & FRAC STAGES 10,11, 12, 13,14																														
OPERATION DETAILS																														
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																							
06:00	06:30	0.50	P	STG10	28	SFTYMTG	SAFETY MEETING AND JSA WITH DAY CREW,																							
06:30	07:00	0.50	P	STG10	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST,																							
07:00	07:15	0.25	P	STG10	21	PERF	OPEN WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 11,856'. SET PLUG AND SHOT																							
07:15	09:30	2.25	N	STG10	55	PERFPROB	PERFS FOR STG #10 FROM 11,823' TO 11,665'																							
09:30	10:30	1.00	P	STG10	21	PERF	ON STGS 10 SET THE PLUG AND MISS FIRED ON THE FIRST GUN, POOH AND P/U SECOND																							
10:30	12:30	2.00	P	STG10	35	STIM	GUNS AND RIH TO FINISH THE PLUG AND PREF RUN																							
12:30	18:00	5.50	N	STG11	55	PERFPROB	FINISH PERF RUN , POOH ALL GUNS FIRED																							
18:00	18:30	0.50	P	STG11	28	SFTYMTG	OPEN WELL AND FRAC STG #10 AS PER DESIGN, SEE STIM REPORT FOR RESULTS																							
18:30	06:00	11.50	N	STG11	55	PERFPROB	WHILE PRESSURE TESTING THE WELLHEAD FOR THE PLUG AND PERF RUN , LINE PULLED																							
OUT OF ROPE SOCKET, TOOL WAS CAUGHT IN THE TOOL TRAP , WE BLED PRESSURE DOWN																														
AND LAYDOWN TO LUB AND TOOLS , RDMO HALLIBURTON WIRELINE , CALL FOR A NEW TOOL																														
TRAP, WAIT FOR NEW TOOL TRAP TO ARRIVE ON LOCATION																														
SAFETY MEETING AND JSA WITH DAY CREW,																														
WAITING FOR CASED HOLE SOLUTIONS TO ARRIVE ON LOCATION, ETA 08:00 FOR WL, ETA 1200																														
FOR ERF GUNS TO ARRIVE ON LOCATION																														
Daily Operations Comments: NO INCIDENTS OR ACCIDENTS, NO SPILLS OR POLLUTION, NO OFFICIAL VISITS.																														
DAILY COSTS			FLUIDS			COMPLETION STRING DETAILS																								
Code	Description	Cost	Fluids Co:			Down Hole Tool Co:																								
122	HEATER/BOILER	1,500	Fluids Eng:			Tool Sup:																								
123	CAMP AND CATERING	870	Pit Temp:			Qty	Description	ID																						
123	CAMP AND CATERING	1,320	Density:					OD																						
131	FUEL	14,614	Brine Type:					Top Set																						
132	DISPOSAL - CUTTINGS, FLUIDS	338	Gel Type:																											
133	WATER	1,025	Viscosity:																											
			Nitrogen:																											
			NTU:																											
133	WATER	4,717	FLOWBACK																											
133	WATER	10,825	Gas Rate:																											
134	FRAC TANK RENTAL	30	Choke Size:																											
134	FRAC TANK RENTAL	500	Avg. Tbg. Press:																											
134	FRAC TANK RENTAL	470	Avg. Csg. Press:																											
134	FRAC TANK RENTAL	970	Fluid Rate (Water):																											
			Fluid Rate (Oil):																											
			Tot. Load Recovered:																											
154	WELL CONTROL RENTALS	8,661	CASING																											
154	WELL CONTROL RENTALS	5,625	Size(in)	MD(ft)/TVD(ft)	LOT(ppg)																									
155	OFFICE, SEWAGE AND MISC RENTALS	825		/																										
			5.500	14,063.03 / 6,793.01																										
155	OFFICE, SEWAGE AND MISC RENTALS	20																												
156	MONITORING EQUIPMENT	48,420																												
157	SAFETY/MEDICAL	760																												
PERFORATIONS																														
Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments																							

 Daily Operations Report Onshore		Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH Country: USA State: TEXAS Field: WOLFCAMP EAST Supervisors: MIKE SHIELD / JESSE AGUILAR Engineer/Manager: PRESTON ELLIS / JOY BLEVINS / BARRY		Report Number: 013 Report Date: 01/24/2013 Spud Date: 12/06/2012 Release Date: DOE: 10 DOL: 12 AFE Days: 17.00 Last BOP T.: Safety & Environmental Incident: No																										
Event: COMPLETION LAND Safety Meeting Topic:		Rig: Rig Phone: RKB (Sea Level) (ft): 2,732.01 2,707.0 POB: 42 Manhours: 0.00		<table border="1"> <thead> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>FAC</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>AFE #:</td> <td></td> <td>160314/47133</td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>0</td> <td>116,157</td> <td>0</td> <td>116,157</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>0</td> <td>1,780,635</td> <td>0</td> <td>1,780,635</td> </tr> <tr> <td>AFE(\$):</td> <td>3,050,431</td> <td>5,778,000</td> <td>220,000</td> <td>9,048,431</td> </tr> </tbody> </table>			Drig	Comp	FAC	Total	AFE #:		160314/47133			Day Cost(\$):	0	116,157	0	116,157	Cum Cost(\$)	0	1,780,635	0	1,780,635	AFE(\$):	3,050,431	5,778,000	220,000	9,048,431
	Drig	Comp	FAC	Total																										
AFE #:		160314/47133																												
Day Cost(\$):	0	116,157	0	116,157																										
Cum Cost(\$)	0	1,780,635	0	1,780,635																										
AFE(\$):	3,050,431	5,778,000	220,000	9,048,431																										
Location: Lat: 31° 4' 52.679 N Long: 101° 14' 34.227 E																														
Current Activity: 24 Hr Summary: 24 Hr Forecast: WIRELINE STAGES10,11,12, & FRAC STAGES 10,11, 12																														
OPERATION DETAILS																														
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																							
06:00	06:30	0.50	P	STG11	28	SFTYMTG	SAFETY MEETING AND JSA WITH DAY CREW, ON WEATHER AND SPILL PREVENTIONS																							
06:30	07:30	1.00	N	STG11	42	WOEP	WAIT ON CASED HOLE WIRELINE TO ARRIVE ON LOCATION																							
07:30	23:30	16.00	N	STG11	59	EQFAIL	CHS ARRIVE ON LOCATION WITH THE WRONG GUNS , NEED 0 DEG PHASING , AND BROUGHT OUT 180 DEG GUN , CHS CANNOT GIVE A EST TIME WHEN THE CORRECT GUNS CAN BE LOCATION , CALLED OUT BWWC TO COME FINISH WELL EST TIME TO LOATION AT 12 MIDNIGHT ON 1/24.2013																							
23:30	05:00	5.50	P	STG11	21	PERF	BWWC ARRIVED ON LOCATION WITH GUNS, HAD TO BUILD GUNS ON LOCATION.																							
05:00	06:00	1.00	P	STG11	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST, B/O TO SICP. WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 11,631'. SET PLUG AND SHOT STG #11 FROM 11,600' TO 11,439', ALL SHOTS FIRED, POH																							
Daily Operations Comments: NO INCIDENTS OR ACCIDENTS, NO SPILLS OR POLLUTION, NO OFFICIAL VISITS.																														
DAILY COSTS			FLUIDS			COMPLETION STRING DETAILS																								
Code	Description	Cost	Fluids Co:			Down Hole Tool Co:																								
122	HEATER/BOILER	1,500	Fluids Eng:			Qty	Description	ID																						
123	CAMP AND CATERING	1,320	Pit Temp:					OD																						
			Density:					Top Set																						
123	CAMP AND CATERING	870	Brine Type:																											
131	FUEL	19,631	Gel Type:																											
			Viscosity:																											
132	DISPOSAL - CUTTINGS, FLUIDS	338	Nitrogen:																											
			NTU:																											
133	WATER	10,825	FLOWBACK																											
133	WATER	4,717	Gas Rate:																											
133	WATER	1,025	Choke Size:																											
134	FRAC TANK RENTAL	970	Avg. Tbg. Press:																											
			Avg. Csg. Press:																											
134	FRAC TANK RENTAL	30	Fluid Rate (Water):																											
134	FRAC TANK RENTAL	470	Fluid Rate (Oil):																											
134	FRAC TANK RENTAL	500	Tot. Load Recovered:																											
			CASING																											
154	WELL CONTROL RENTALS	5,625	Size(in)	MD(ft)/TVD(ft)	LOT(ppg)																									
154	WELL CONTROL RENTALS	8,661																												
155	OFFICE, SEWAGE AND MISC RENTALS	20	5.500	14,063.03 / 6,793.01																										
155	OFFICE, SEWAGE AND MISC RENTALS	825																												
156	MONITORING EQUIPMENT	48,420																												
157	SAFETY/MEDICAL	800																												
PERFORATIONS																														
Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments																							

 Daily Operations Report Onshore		Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH Country: USA State: TEXAS Field: WOLFCAMP EAST Supervisors: MIKE SHIELD / JESSE AGUILAR Engineer/Manager: PRESTON ELLIS / JOY BLEVINS / BARRY		Report Number: 014 Report Date: 01/25/2013 Spud Date: 12/06/2012 Release Date: DOE: 11 Last BOP T.: DOL: 13 AFE Days: 17.00 CSG Test: Safety & Environmental Incident: No																										
Event: COMPLETION LAND Safety Meeting Topic:		Rig: Rig Phone: RKB (Sea Level) (ft): 2,732.01 2,707.0 POB: 42 Manhours: 0.00		<table border="1"> <thead> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>FAC</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>AFE #:</td> <td></td> <td>160314/47133</td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>0</td> <td>405,390</td> <td>0</td> <td>405,390</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>0</td> <td>2,179,025</td> <td>0</td> <td>2,179,025</td> </tr> <tr> <td>AFE(\$):</td> <td>3,050,431</td> <td>5,778,000</td> <td>220,000</td> <td>9,048,431</td> </tr> </tbody> </table>			Drig	Comp	FAC	Total	AFE #:		160314/47133			Day Cost(\$):	0	405,390	0	405,390	Cum Cost(\$)	0	2,179,025	0	2,179,025	AFE(\$):	3,050,431	5,778,000	220,000	9,048,431
	Drig	Comp	FAC	Total																										
AFE #:		160314/47133																												
Day Cost(\$):	0	405,390	0	405,390																										
Cum Cost(\$)	0	2,179,025	0	2,179,025																										
AFE(\$):	3,050,431	5,778,000	220,000	9,048,431																										
Location: Lat: 31° 4' 52.679 N Long: 101° 14' 34.227 E																														
Current Activity: 24 Hr Summary: 24 Hr Forecast: WIRELINE STAGES10,11,12, & FRAC STAGES 11, 12, 13, 14																														
OPERATION DETAILS																														
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																							
06:00	06:30	0.50	P	STG11	28	SFTYMTG	SAFETY MEETING AND JSA WITH DAY CREW, DISCUSS WIRELINE OPS AND RIG UP SAFETY																							
06:30	07:45	1.25	P	STG11	21	PERF	FINISH WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 11,631'. SET PLUG AND SHOT STG #11 FROM 11,600' TO 11,439'. ALL SHOTS FIRED, POOH																							
07:45	09:45	2.00	P	STG11	35	STIM	OPEN WELL AND FRAC STG #11 AS PER DESIGN, SEE STIM REPORT FOR RESULTS																							
09:45	10:00	0.25	P	STG12	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST,																							
10:00	12:00	2.00	P	STG12	21	PERF	OPEN WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 11,400'. SET PLUG AND SHOT STG #12 FROM 11,377' TO 11,219'. ALL SHOTS FIRED, POOH																							
12:00	14:15	2.25	P	STG12	35	STIM	OPEN WELL AND FRAC STG #12 AS PER DESIGN, SEE STIM REPORT FOR RESULTS																							
14:15	14:30	0.25	P	STG13	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST,																							
14:30	16:30	2.00	P	STG13	21	PERF	OPEN WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 11,185'. SET PLUG AND SHOT STG #13 FROM 11,154' TO 11,000'. ALL SHOTS FIRED, POOH																							
16:30	18:00	1.50	N	STG13	59	EQFAIL	SAFETY SHUTDOWN																							
18:00	18:30	0.50		STG13	28	SFTYMTG	SAFETY MEETING AND JSA WITH NIGHT CREW, DISCUSS HAZARDS ON LOCATION & COMMUNICATION																							
18:30	21:00	2.50	P	STG13	35	STIM	OPEN WELL AND FRAC STG #13 AS PER DESIGN, SEE STIM REPORT FOR RESULTS																							
21:00	23:00	2.00	P	STG14	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST, B/O TO SICP. WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 10,965'. SET PLUG AND SHOT STG #14 FROM 11,773' TO 10,931'. ALL SHOTS FIRED, POH																							
23:00	01:00	2.00	P	STG14	35	STIM	OPEN WELL AND FRAC STG #14 AS PER DESIGN, SEE STIM REPORT FOR RESULTS																							
01:00	03:00	2.00	P	STG15	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST, B/O TO SICP. WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 10,739'. SET PLUG AND SHOT STG #15 FROM 10,555' TO 10,708'. ALL SHOTS FIRED, POH																							
03:00	06:00	3.00	P	STG15	35	STIM	OPEN WELL AND FRAC STG #15 AS PER DESIGN, SEE STIM REPORT FOR RESULTS																							
Daily Operations Comments: NO INCIDENTS OR ACCIDENTS, NO SPILLS OR POLLUTION, NO OFFICIAL VISITS.																														
DAILY COSTS			FLUIDS		COMPLETION STRING DETAILS																									
Code	Description	Cost			Down Hole Tool Co:																									
122	HEATER/BOILER	1,500	Fluids Co:		Tool Sup:																									
123	CAMP AND CATERING	870	Fluids Eng:		Qty	Description	ID																							
			Pit Temp:				OD																							
			Density:				Top Set																							
123	CAMP AND CATERING	1,320	Brine Type:																											
131	FUEL	31,481	Gel Type:																											
			Viscosity:																											
132	DISPOSAL - CUTTINGS, FLUIDS	338	Nitrogen:																											
133	WATER	10,825	NTU:																											
133	WATER	4,717																												
			FLOWBACK																											
133	WATER	1,025	Gas Rate:																											
134	FRAC TANK RENTAL	970	Choke Size:																											
			Avg. Tbg. Press:																											
134	FRAC TANK RENTAL	500	Avg. Csg. Press:																											
134	FRAC TANK RENTAL	470	Fluid Rate (Water):																											
134	FRAC TANK RENTAL	30	Fluid Rate (Oil):																											
			Tot. Load Recovered:																											
141	MUD and CHEMICALS	21,750	CASING																											
154	WELL CONTROL RENTALS	5,625	Size(in)	MD(ft)/TVD(ft)	LOT(ppg)																									
154	WELL CONTROL RENTALS	8,661																												
155	OFFICE, SEWAGE AND MISC RENTALS	825	5.500	14,063.03 / 6,793.01																										
155	OFFICE, SEWAGE AND MISC RENTALS	20																												
156	MONITORING EQUIPMENT	48,420																												
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PERFORATIONS																														
Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments																							

 Daily Operations Report Onshore		Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH Country: USA State: TEXAS Field: WOLFCAMP EAST Supervisors: JOHN BEDDO / RICHARD THURSTON / JESSE A Engineer/Manager: PRESTON ELLIS / JOY BLEVINS / BARRY		Report Number: 015 Report Date: 01/26/2013 Spud Date: 12/06/2012 Release Date: DOE: 12 DOL: 14 AFE Days: 17.00 Last BOP T.: CSG Test: Safety & Environmental Incident: No																										
Event: COMPLETION LAND Safety Meeting Topic:		Rig: Rig Phone: RKB (Sea Level) (ft): 2,732.01 2,707.0 POB: 43 Manhours: 0.00		<table border="1"> <thead> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>FAC</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>AFE #:</td> <td></td> <td>160314/47133</td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>0</td> <td>407,345</td> <td>0</td> <td>407,345</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>0</td> <td>2,652,459</td> <td>0</td> <td>2,652,459</td> </tr> <tr> <td>AFE(\$):</td> <td>3,050,431</td> <td>5,778,000</td> <td>220,000</td> <td>9,048,431</td> </tr> </tbody> </table>			Drig	Comp	FAC	Total	AFE #:		160314/47133			Day Cost(\$):	0	407,345	0	407,345	Cum Cost(\$)	0	2,652,459	0	2,652,459	AFE(\$):	3,050,431	5,778,000	220,000	9,048,431
	Drig	Comp	FAC	Total																										
AFE #:		160314/47133																												
Day Cost(\$):	0	407,345	0	407,345																										
Cum Cost(\$)	0	2,652,459	0	2,652,459																										
AFE(\$):	3,050,431	5,778,000	220,000	9,048,431																										
Location: Lat: 31° 4' 52.679 N Long: 101° 14' 34.227 E																														
Current Activity: 24 Hr Summary: 24 Hr Forecast: FRAC STAGES 20 - 26. WL STAGES 21 - 27.																														
OPERATION DETAILS																														
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																							
06:00	06:30	0.50	P	STG16	28	SFTYMTG	SAFETY MEETING AND JSA WITH DAY CREW, DISCUSS ACID MIXING AND CHEMICAL SPILL PREVENTION																							
06:30	07:00	0.50	P	STG16	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST																							
07:00	08:00	1.00	P	STG16	21	PERF	WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 10,473'. SET PLUG AND SHOT STG #16 FROM 10,327' TO 10,519', ALL SHOTS FIRED, POH																							
08:00	10:30	2.50	P	STG16	35	STIM	OPEN WELL AND FRAC STG #16 AS PER DESIGN, SEE STIM REPORT FOR RESULTS																							
10:30	11:00	0.50	N	STG17	48	BOPEQP	HYD FRAC VALVE SMALL LEAK DURING FRAC, FINISHED THE STG AND SHUT DOWN AND CHANGE OUT PACKING																							
11:00	11:30	0.50	P	STG17	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST																							
11:30	13:00	1.50	P	STG17	21	PERF	WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 10,293'. SET PLUG AND SHOT STG #17 FROM 10,104' TO 10,262', ALL SHOTS FIRED, POH																							
13:00	15:15	2.25	P	STG17	35	STIM	OPEN WELL AND FRAC STG #17 AS PER DESIGN, SEE STIM REPORT FOR RESULTS																							
15:15	18:00	2.75	N	STG18	47	WHPROB	MIDDLE FRAC VALVE LEAKING TRIED TO GREASE AND CHANGE OUT PACKING, AFTER FRAC BLEED DOWN STACK AND RD FRAC LINE AND WILL HAVE TO CHANGED OUT THE MIDDLE HYDR VALVE AND CROWN HYDR VALES																							
18:00	18:30	0.50	P	STG18	28	SFTYMTG	SAFETY MEETING AND JSA WITH DAY CREW, DISCUSS RIGGING BACK UP ON THE WELL, AND LOCATION HAZARDS																							
18:30	20:30	2.00	N	STG18	47	WHPROB	CHANGED OUT MIDDLE HYDRAULIC VALVE, HOOKED UP LINES BACK TO WH, GREASED WH, PRIMED UP PUMPS, PRESSURE TESTED WH TO 8500 PSI, HELD FOR 15 MINS (OK)																							
20:30	22:30	2.00	P	STG18	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST, B/O TO SICP. WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 10,070'. SET PLUG AND SHOT STG #18 FROM 9,881' TO 10,070', ALL SHOTS FIRED, POH																							
22:30	00:15	1.75	P	STG18	35	STIM	OPEN WELL AND FRAC STG #18 AS PER DESIGN, SEE STIM REPORT FOR RESULTS.																							
00:15	01:45	1.50	P	STG19	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST, B/O TO SICP. WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 9847'. SET PLUG AND SHOT STG #19 FROM 9,658' TO 9,813', ALL SHOTS FIRED, POH.																							
01:45	04:00	2.25	P	STG19	35	STIM	TEST LINES, OPEN WELL AND FRAC STG #19 AS PER DESIGN, SEE STIM REPORT FOR RESULTS.																							
04:00	06:00	2.00	P	STG20	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST, B/O TO SICP. WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 9624'. SET PLUG AND SHOT STG #20 FROM 9,435' TO 9,590', ALL SHOTS FIRED, POH.																							
Daily Operations Comments: NO INCIDENTS OR ACCIDENTS, NO SPILLS OR POLLUTION, NO OFFICIAL VISITS.																														
DAILY COSTS			FLUIDS			COMPLETION STRING DETAILS																								
Code	Description	Cost	Fluids Co: Fluids Eng: Pit Temp: Density: Brine Type: Gel Type: Viscosity: Nitrogen: NTU:			Down Hole Tool Co: Tool Sup:																								
122	HEATER/BOILER	1,500	FLOWBACK Gas Rate: Choke Size: Avg. Tbg. Press: Avg. Csg. Press: Fluid Rate (Water): Fluid Rate (Oil): Tot. Load Recovered:			Qty	Description	ID	OD	Top Set																				
123	CAMP AND CATERING	870																												
123	CAMP AND CATERING	1,320																												
131	FUEL	20,808																												
132	DISPOSAL - CUTTINGS, FLUIDS	338																												
133	WATER	10,825																												
133	WATER	1,025																												
133	WATER	4,717																												
134	FRAC TANK RENTAL	970																												
134	FRAC TANK RENTAL	30																												
134	FRAC TANK RENTAL	500	Size(in) MD(ft)/TVD(ft) LOT(ppg)																											
134	FRAC TANK RENTAL	470	5.500 14,063.03 / 6,793.01																											
141	MUD and CHEMICALS	17,400																												
154	WELL CONTROL RENTALS	5,625	CASING																											
154	WELL CONTROL RENTALS	8,661																												
155	OFFICE, SEWAGE AND MISC RENTALS	20																												
155	OFFICE, SEWAGE AND MISC RENTALS	825																												
156	MONITORING EQUIPMENT	48,420																												
157	SAFETY/MEDICAL	800																												
PERFORATIONS																														
Date	Stage	Top	Bottom	SPF (ft)	FG/BHP (ft)	Separation Method	Comments																							

 Daily Operations Report Onshore		Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH Country: USA State: TEXAS Field: WOLFCAMP EAST Supervisors: JOHN BEDDO/ RICHARD THURSTON / JESSE A Engineer/Manager: PRESTON ELLIS / JOY BLEVINS / BARRY		Report Number: 016 Report Date: 01/27/2013 Spud Date: 12/06/2012 Release Date: DOE: 13 DOL: 15 AFE Days: 17.00 Last BOP T.: CSG Test: Safety & Environmental Incident: No																										
Event: COMPLETION LAND Safety Meeting Topic:		Rig: Rig Phone: RKB (Sea Level) (ft): 2,732.01 2,707.0 POB: 43 Manhours: 0.00		<table border="1"> <thead> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>FAC</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>AFE #:</td> <td></td> <td>160314/47133</td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>0</td> <td>539,475</td> <td>0</td> <td>539,475</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>0</td> <td>3,191,934</td> <td>0</td> <td>3,191,934</td> </tr> <tr> <td>AFE(\$):</td> <td>3,050,431</td> <td>5,778,000</td> <td>220,000</td> <td>9,048,431</td> </tr> </tbody> </table>			Drig	Comp	FAC	Total	AFE #:		160314/47133			Day Cost(\$):	0	539,475	0	539,475	Cum Cost(\$)	0	3,191,934	0	3,191,934	AFE(\$):	3,050,431	5,778,000	220,000	9,048,431
	Drig	Comp	FAC	Total																										
AFE #:		160314/47133																												
Day Cost(\$):	0	539,475	0	539,475																										
Cum Cost(\$)	0	3,191,934	0	3,191,934																										
AFE(\$):	3,050,431	5,778,000	220,000	9,048,431																										
Location: Lat: 31° 4' 52.679 N Long: 101° 14' 34.227 E																														
Current Activity: 24 Hr Summary: 24 Hr Forecast: FRAC STAGES 26 - 30. WL STAGES 27 - 30.																														
OPERATION DETAILS																														
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																							
06:00	06:30	0.50	P	STG20	28	SFTYMTG	SAFETY MEETING AND JSA WITH DAY CREW, DISCUSS PRESONAL PPE AND HYDRATION SPILL PREVENTION																							
06:30	08:00	1.50	P	STG20	35	STIM	TEST LINES, OPEN WELL AND FRAC STG #20 AS PER DESIGN, SEE STIM REPORT FOR RESULTS.																							
08:00	08:30	0.50	P	STG21	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST																							
08:30	09:30	1.00	P	STG21	21	PERF	OPEN WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 9401'. SET PLUG AND SHOT STG #21 FROM 9,212' TO 9,370'. ALL SHOTS FIRED, POH.																							
09:30	11:30	2.00	P	STG21	35	STIM	TEST LINES, OPEN WELL AND FRAC STG #21 PUMPING A TOTAL OF 65 K OF 40/70 AND SAW A 1000 PSIG PRESSURE INCREASE, CUT SAND AND WENT TO FLUSH, PUMPED A TOTAL OF 70 BBLs OVER , CONTACTED HOUSTON ADVISED TO GOTO TO STG 22.SEE STIM REPORT FOR RESULTS.																							
11:30	12:00	0.50	P	STG22	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST																							
12:00	13:30	1.50	P	STG22	21	PERF	OPEN WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 9,175'. SET PLUG AND SHOT STG #22 FROM 8,989' TO 9,150'. ALL SHOTS FIRED, POH.																							
13:30	14:00	0.50	P	STG22	28	SFTYMTG	SAFETY MEETING AND JSA WITH ACID CREW, DISCUSS ROLLING AND MIXING ACID,																							
14:00	15:45	1.75	P	STG22	35	STIM	TEST LINES, OPEN WELL AND FRAC STG #22 AS PER DESIGN, SEE STIM REPORT FOR RESULTS.																							
15:45	16:30	0.75	P	STG23	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST																							
16:30	18:00	1.50	P	STG23	21	PERF	OPEN WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 8,955'. SET PLUG AND SHOT STG #23 FROM 8,766' TO 8,924'. ALL SHOTS FIRED, POH.																							
18:00	20:00	2.00	P	STG23	35	STIM	TEST LINES, OPEN WELL AND FRAC STG #23 AS PER DESIGN, SEE STIM REPORT FOR RESULTS.																							
20:00	21:45	1.75	P	STG24	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST, B/O TO SICP. WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 8732'. SET PLUG AND SHOT STG #24 FROM 8,543' TO 8,704'. POH. ALL SHOTS FIRED.																							
21:45	23:30	1.75	P	STG24	35	STIM	TEST LINES, OPEN WELL AND FRAC STG #24 AS PER DESIGN, SEE STIM REPORT FOR RESULTS.																							
23:30	01:00	1.50	P	STG25	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST, B/O TO SICP. WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 8509'. SET PLUG AND SHOT STG #25 FROM 8,320' TO 8,478'. POH. ALL SHOTS FIRED.																							
01:00	03:00	2.00	P	STG25	35	STIM	TEST LINES, OPEN WELL AND FRAC STG #25 AS PER DESIGN, SEE STIM REPORT FOR RESULTS.																							
03:00	04:30	1.50	P	STG26	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST, B/O TO SICP. WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 8284'. SET PLUG AND SHOT STG #26 FROM 8,097' TO 8,257'. POH. ALL SHOTS FIRED.																							
04:30	04:45	0.25	P	STG26	35	STIM	TEST LINES, OPEN WELL AND DROP CFP BALL. SD TO WAIT ON WATER TRANSFER PUMP REPAIR. SI WELL.																							
04:45	06:00	1.25	N	STG26	59	EQFAIL	WAIT ON REPLACEMENT WATER TRANSFER PUMP.																							
Daily Operations Comments:																														
NO INCIDENTS OR ACCIDENTS, NO SPILLS OR POLLUTION, NO OFFICIAL VISITS.																														
DAILY COSTS			FLUIDS			COMPLETION STRING DETAILS																								
Code	Description	Cost	Fluids Co: Fluids Eng: Pit Temp: Density: Brine Type: Gel Type: Viscosity: Nitrogen: NTU: FLOWBACK Gas Rate: Choke Size: Avg. Tbg. Press: Avg. Csg. Press: Fluid Rate (Water): Fluid Rate (Oil): Tot. Load Recovered: CASING Size(in) MD(ft)/TVD(ft) LOT(ppg) 5.500 14,063.03 / 6,793.01			Down Hole Tool Co:			Tool Sup:																					
122	HEATER/BOILER	1,500				Qty	Description	ID	OD	Top Set																				
123	CAMP AND CATERING	870																												
123	CAMP AND CATERING	1,320																												
131	FUEL	35,775																												
132	DISPOSAL - CUTTINGS, FLUIDS	338																												
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134	FRAC TANK RENTAL	30																												
141	MUD and CHEMICALS	26,100																												
154	WELL CONTROL RENTALS	5,625																												
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156	MONITORING EQUIPMENT	48,420																												
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PERFORATIONS																														
Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments																							

 Daily Operations Report Onshore		Well Name/Wellbore No.: UNIVERSITY 43-22 NO. 7H/OH Country: USA State: TEXAS Field: WOLFCAMP EAST Supervisors: JOHN BEDDO/ RICHARD THURSTON / JESSE A Engineer/Manager: PRESTON ELLIS / JOY BLEVINS / BARRY		Report Number: 017 Report Date: 01/28/2013 Spud Date: 12/06/2012 Release Date: DOE: 14 DOL: 16 AFE Days: 17.00 Last BOP T.: CSG Test: Safety & Environmental Incident: No																										
Event: COMPLETION LAND Safety Meeting Topic:		Rig: Rig Phone: RKB (Sea Level) (ft): 2,732.01 2,707.0 POB: 43 Manhours: 0.00		<table border="1"> <thead> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>FAC</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>AFE #:</td> <td></td> <td>160314/47133</td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>0</td> <td>500,112</td> <td>0</td> <td>500,112</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>0</td> <td>3,692,046</td> <td>0</td> <td>3,692,046</td> </tr> <tr> <td>AFE(\$):</td> <td>3,050,431</td> <td>5,778,000</td> <td>220,000</td> <td>9,048,431</td> </tr> </tbody> </table>			Drig	Comp	FAC	Total	AFE #:		160314/47133			Day Cost(\$):	0	500,112	0	500,112	Cum Cost(\$)	0	3,692,046	0	3,692,046	AFE(\$):	3,050,431	5,778,000	220,000	9,048,431
	Drig	Comp	FAC	Total																										
AFE #:		160314/47133																												
Day Cost(\$):	0	500,112	0	500,112																										
Cum Cost(\$)	0	3,692,046	0	3,692,046																										
AFE(\$):	3,050,431	5,778,000	220,000	9,048,431																										
Location: Lat: 31° 4' 52.679 N Long: 101° 14' 34.227 E																														
Current Activity: 24 Hr Summary: 24 Hr Forecast: ND FRAC STACK. RETRIEVE RBP FROM 43-22 #5 WELL. BEGIN RU FOR FRAC OPS ON #5 WELL.																														
OPERATION DETAILS																														
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																							
06:00	06:30	0.50	P	STG26	28	SFTYMTG	SAFETY MEETING AND JSA WITH DAY CREW, DISCUSS PUMP DOWN AND PERSONAL PPE																							
06:30	07:45	1.25	P	STG26	35	STIM	OPEN WELL AND FRAC STG #26 AS PER DESIGN, SEE STIM REPORT FOR RESULTS.																							
07:45	08:00	0.25	P	STG27	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST																							
08:00	09:15	1.25	P	STG27	21	PERF	OPEN OPEN WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 8,063'. SET PLUG AND SHOT STG #27 FROM 7,874' TO 8,032', ALL SHOTS FIRED, POH.																							
09:15	11:15	2.00	P	STG27	35	STIM	OPEN WELL AND FRAC STG #27 AS PER DESIGN, SEE STIM REPORT FOR RESULTS.																							
11:15	11:30	0.25	P	STG28	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST																							
11:30	12:45	1.25	P	STG28	21	PERF	OPEN OPEN WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 7,838'. SET PLUG AND SHOT STG #28 FROM 7,651' TO 7,813', ALL SHOTS FIRED, POH.																							
12:45	14:30	1.75	P	STG28	35	STIM	OPEN WELL AND FRAC STG #28 AS PER DESIGN, SEE STIM REPORT FOR RESULTS.																							
14:30	14:45	0.25	P	STG29	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST																							
14:45	15:45	1.00	P	STG29	21	PERF	OPEN OPEN WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 7,617'. SET PLUG AND SHOT STG #29 FROM 7,586' TO 7,428', ALL SHOTS FIRED, POH.																							
15:45	18:00	2.25	P	STG29	35	STIM	OPEN WELL AND FRAC STG #29 AS PER DESIGN, SEE STIM REPORT FOR RESULTS.																							
18:00	19:45	1.75	P	STG30	21	PERF	ANNOUNCE RADIO SILENCE, P/U LUB AND GUNS. TEST TO 8,000 PSI. GOOD TEST, B/O TO SICP. WELL AND PUMP PLUG DOWN TO SETTING DEPTH OF, 7390'. SET PLUG AND SHOT STG #30 FROM 7205' TO 7363'. POH. ALL SHOTS FIRED.																							
19:45	21:30	1.75	P	STG30	35	STIM	OPEN WELL AND FRAC STG #30 AS PER DESIGN, SEE STIM REPORT FOR RESULTS.																							
21:30	00:00	2.50	P	WLWORK	27	SETP	RIH WITH WL SET CBP AT 6090 FT. POOH. SICP 2000. BLEED WELL TO 0 PSI FOR NEGATIVE TEST. GOOD TEST. TEST PLUG TO 7000 PSI. HELD OK. BD TO 0 PSI.																							
00:00	06:00	6.00	P	RDMO	30	SEQP	RD WL OFF WELL. RD FRAC LINES. RD FLOWBACK LINES. PREP TO REPOSITION EQUIPMENT ON UNIVERSITY 43-22 #5H WELL. (HES WL POH W/ MICROSEISMIC MONITOR TOOLS FROM UNIVERSITY 43-22 #5H WELL.)																							
Daily Operations Comments: NO INCIDENTS OR ACCIDENTS, NO SPILLS OR POLLUTION, NO OFFICIAL VISITS.																														
DAILY COSTS			FLUIDS			COMPLETION STRING DETAILS																								
Code	Description	Cost	Fluids Co:			Down Hole Tool Co:																								
122	HEATER/BOILER	1,500	Fluids Eng:			Tool Sup:																								
123	CAMP AND CATERING	1,320	Pit Temp:			Qty	Description	ID																						
123	CAMP AND CATERING	870	Density:					OD																						
123	CAMP AND CATERING	600	Brine Type:					Top Set																						
			Gel Type:																											
131	FUEL	17,646	Viscosity:																											
132	DISPOSAL - CUTTINGS, FLUIDS	338	Nitrogen:																											
133	WATER	1,025	NTU:																											
133	WATER	4,717	FLOWBACK																											
133	WATER	600	Gas Rate:																											
134	FRAC TANK RENTAL	10,825	Choke Size:																											
134	FRAC TANK RENTAL	470	Avg. Tbg. Press:																											
134	FRAC TANK RENTAL	30	Avg. Csg. Press:																											
134	FRAC TANK RENTAL	500	Fluid Rate (Water):																											
134	FRAC TANK RENTAL	970	Fluid Rate (Oil):																											
141	MUD and CHEMICALS	85,410	Tot. Load Recovered:																											
141	MUD and CHEMICALS	21,750	CASING																											
154	WELL CONTROL RENTALS	5,625	Size(in)	MD(ft)/TVD(ft)	LOT(ppg)																									
154	WELL CONTROL RENTALS	8,661																												
155	OFFICE, SEWAGE AND MISC RENTALS	20	5.500	14,063.03 / 6,793.01																										
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Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments																							