





General Information									
LEASE University East			WELL NUMBER 4411 CH		API WELL NUMBER 42-105-41643		DATE 1/21/2013		
COUNTY, STATE Crockett County, Texas			LOCATION				TRRC PERMIT NUMBER 751991		
OPERATOR EP Energy					CONTRACTOR Integrity Services, LLC				
OPERATOR REPRESENTATIVE PERRY EVANS					CONTRACTOR REPRESENTATIVE Schlyer Click				
Texas Railroad Commission						Depth			
TRRC JOB NUMBER WAIT ON DISPATCH			TRRC CONTACT NAME DISPATCH			PROPOSED MEASURED DEPTH (MD) 862			
TRRC CONTACT DATE 1/17/2012			TRRC CONTACT TIME 18:00			PROPOSED TRUE VERTICAL DEPTH (TVD) 862			
Casing						Survey Information			
	OD	ID	WEIGHT	GRADE	CONNECTION	MD	TVD	ANGLE	
Conductor	13 3/8"	12.715	48	J55	LTC	862	862	1	
Surface	9 5/8"	8.835	40	J55	LTC				
Drill Pipe									
	OD	ID	WEIGHT	GRADE	CONNECTION		-		
	4 1/2	2 1/8	16.6		2 7/8" IF		-		
BHA							-		
	OD	ID	LENGTH	WEIGHT	CONNECTION		-		
Bit	12 1/4"		9"				-		
Hammer	10 3/4"	9 1/4"	74"		6 5/8" Reg		-		
Collar	11"	3 1/2"	32		6 5/8" Reg		-		
X.O.		2 13/16"	2.5'		6 5/8" Reg x 4" FH		-		
Collar	5 1/2"	2 13/16"	30.1'		4"FH		-		
Collar	5 1/2"	2 13/16"	30.1'		4" FH		-		
X.O.		2 1/8"	2'		4" FH x 2 7/8" IF		-		
Daily Activities									
FROM	TO	ELAPSED TIME	REMARKS						
11:00	15:00	4.00	RIG DOWN ON UNIV 4411 BH & R/U ON UNIV 4411 CH						
15:00	18:00	3.00	ROTATE FROM 0 TO 361						
18:00	18:00	-	CHANGE TOUR						
18:00	23:00	5.00	ROTATE FROM 361 TO 862						
23:00	23:40	0.67	CIRCULATE						
23:40	0:00	0.33	SURVEY @862, 1 INC						
0:00	1:15	0.25	TOOH FROM 862 TO 0						
1:15	2:00	0.75	R/U TO RUN 20 JTS OF 9 5/8" CSG						
2:00	4:30	2.50	RUN 19 JTS OF 9 5/8" CSG FROM 0 TO 811						
4:30	6:00	1.50	WAIT ON RISING STAR						
6:00	6:00	-	CHANGE TOUR						
		-							
		-							
		-							
		-							
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		-							
		-							
TOTAL HOURS		18.00							
Crew									
TITLE		NAME			HOURS	NAME			
TOOL PUSHER		CODY LARSEN			12	CODY LARSEN			
DRILLER									
FLOOR HAND									
FLOOR HAND									
Bit Information									
BIT NO	SIZE	MAKE	TYPE	FOOTAGE	HOURS	ROP	WOB	RPM	
1	12 1/4"	Numa	Hammer	862	8	107.75			
Pump & Hydraulics Information									
Compressed Air Information									
COMBO	PUMP #1	PUMP #2	COMBO	COMPRESSOR #1	COMPRESSOR #2	COMPRESSOR #3	BOOSTER #1		
Type			MAKE	IR	IR	IR	Hurricane		
Gal/Strk			CFM	1250	900	900			
Bbl/Strk			PSI	350	350	350	1000		
Gal/Min			Drilling Fluid & Chemicals						
Pressure			TYPE		AMOUNT	TYPE		AMOUNT	
				DURA FOAM		DIONIC 900 INHIBITOR			
Fuel									
FUEL TYPE	VENDOR			BEG QTY	RECEIVED QTY	TOTAL QTY	QTY USED	QTY REMAINING	
Diesel	Fuel Source			1,500	2,000	2,000	1,000	1,000	



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Daily Activities									
FROM	TO	ELAPSED TIME	REMARKS						
6:00	8:30	2.50	WAIT ON RISING STAR						
8:30	9:30	1.00	WASH DOWN FROM 811 TO 856 W/ FULL RETURNS						
9:30	18:00	8.50	WAIT ON RISING STAR TO REPAIR COMPUTER						
18:00	18:00	-	CHANGE TOUR						
18:00	19:00	1.00	RISING STAR ON LOCATION TO REPAIR COMPUTER						
19:00	19:30	0.50	PUMP FULL CAPACITY TO REGAIN CIRCULATION						
19:30	20:44	0.25	PUMP 500 SXS OF CLASS C CMT						
20:44	21:11	0.45	BUMP PLUG @1000 PSI, CIRCULATE 65 BBLS TO SURFACE						
21:11	22:00	0.82	RIG DOWN RISING STAR						
22:00	22:00	-	RIG RELEASE						
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		-							
TOTAL HOURS		15.02							
Crew									
TITLE		NAME			HOURS	NAME			
TOOL PUSHER		CODY LARSEN			12	CODY LARSEN			
DRILLER									
FLOOR HAND									
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Bit Information									
BIT NO	SIZE	MAKE	TYPE	FOOTAGE	HOURS	ROP	WOB	RPM	
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Fuel									
FUEL TYPE	VENDOR			BEG QTY	RECEIVED QTY	TOTAL QTY	QTY USED	QTY REMAINING	
Diesel	Fuel Source			1,500	2,000	2,000	1,000	1,000	

EP ENERGY	Daily Drilling Report Onshore	Well Name/Wellbore No.: UNIVERSITY EAST 44-11CH/OH Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: J.D. DAVIS / J. MOORE Engineer/Manager: BRENT BAKER / PERRY EVANS	Report Number: 001 Report Date: 02/25/2013 Spud Date: Release Date: DFS: 0.00 Last BOP T.: Safety & Environmental Incident: No		
			DOL: 1 AFE Days: 11		
Depth md/tvd (ft): 886.00 / 886.00		Rig: UDI/222 Rig Phone: 713-997-1245 RKB (ft): Ground Level (ft): 2,669.0 POB: 26 Total Man Hours: 0.00	AFE #: Day Cost(\$): Cum Cost(\$): AFE(\$):	Drig Comp Fac	Total
Progress: ROP: / 0.00 = 0.00 Proposed TD (ft): 15,090.50 Next Csg Point (ft): 881.80			407.492 407.492 0	0 0 0	407.492 407.492 0
Current Activity: SLIP & CUT DRILL LINE. 24 Hr Summary: WALK F/ UNIVERSITY EAST 44-11 BH T/ UNIVERSITY EAST 44-11 CH. N/U & TEST BOPS. TEST 9-5/8" CASING. SLIP & CUT DRILL LINE. 24 Hr Forecast: FINISH RIGGING UP. P/U 8-3/4" BHA. TIH TO FLOAT. DISPLACE FW TO BRINE. DRILL FLOAT EQUIP. DRILL 8-3/4" SECTION.					
MUD PROPERTIES		MUD MATERIALS		BIT RECORD	
Fluids Co.: Fluids Eng:		D M Cost(\$): \$0.00 C M Cost(\$): \$0.00		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	
Time: Location: Pit Temp: Depth: Density: FV: PV: YP: Gels: WL: HTHP: Cake: Solids: ECD:		Oil Cnt: H2O Cnt: Sand Cnt: MBT: pH: Pm: PtiMf: Chloride: Calcium: LCM: ES (mV): LGS: Ex Lime (ppb): OWR:		Mud Additives Used	
Trip Gas (units): @ Conn Gas (units): @ Form:		BG Gas (units): Pore Pressure: (%)		Surf to Surf: Lag Strokes: Lag Time: (min)	
MUD LOGGING				Grading Bit # Bit #	
				I O D L B G O R	

 Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY EAST 4411CH/OH Country: USA State/OCSG: TEXAS Field/Permit#: WOLF CAMP EAST Supervisors: J.D. DAVIS / J. MOORE Engineer/Manager: BRENT BAKER / PERRY EVANS				Report Number: 002 Report Date: 02/26/2013 Spud Date: 02/25/2013 Release Date: DFS: 1.00 DOL: 2 AFE Days: 11 Last BOP T.: Safety & Environmental Incident: No																												
Depth md/tvd (ft): 3,750.01 / 3,734.94 Progress (ft): 2,864.01 ROP: 2,864.0 / 12.50 = 229.12 Proposed TD (ft): 15,090.50 Next Csg Point (ft): 15,118.03				Rig: UDI/222 Rig Phone: 713-997-1245 RKB (ft): Ground Level (ft): 2,869.0 POB: 29 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 #: 15985547974</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$): 68,907</td> <td></td> <td>0</td> <td>0</td> <td>68,907</td> </tr> <tr> <td>Cum Cost(\$) 476,399</td> <td></td> <td>0</td> <td>0</td> <td>476,399</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 #: 15985547974					Day Cost(\$): 68,907		0	0	68,907	Cum Cost(\$) 476,399		0	0	476,399	AFE(\$): 0		0	0	0
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Current Activity: DRILLING 8-3/4" HOLE AT 3750'. (PTB: 3750' MD, 3735' TVD, 8.8" INC, 89.0° AZM, 8' ABOVE, 33' RIGHT). (SECTION DRILLED = 2864'). 24 Hr Summary: SLIP & CUT DRILL LINE. INSTALL BELL NIPPLE & FLOWLINE. P/U 8-3/4" BHA. TIH. DRILL FLOAT EQUIP, CMT, & SHOE. DRILLED 8-3/4" HOLE F/ 886' T/ 3750'. 24 Hr Forecast: DRILL 8-3/4" SECTION.																																				
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING																														
Fluids Co.: ADAM JONES Time: 5:59 Oil Cnt: Location: H2O Cnt (%) 86 Pit Temp: Sand Cnt: Depth (ft): 886.00 MBT: Density (ppg): 10.40 pH: 9.5 FV (s/qt): 28 Pm (cc): 0.1 PV (cp): 1 Pf (cc)/Mf (cc): 0.3 / 0.1 YP (lb/100ft³): 1 Chloride (ppm): 190,000 Gels (l): 1/1 Calcium (ppm): 1,720.00 WL: LCM: HTHP: ES (mV): Cake: LGS (%): 2.81 Solids: Ex Lime (ppb): ECD (ppg): 10.5 OWR:		D M Cost(\$): \$0.00 C M Cost(\$): \$0.00 Mud Additives Used		Bit# 1 S/N 18230 Size (in) 8.75 Mfg ULTERRA IADC Type Model # U519M Jets 7X20 Depth In (ft) 886 Depth Out (ft) Bit Rotations 65/65 On Btm Hrs Cum 12.50 Footage Cum (ft) 2,864 ROP Cum 229.1 WOB mm/mx (kip) / RPM rot/bit / Bit HP 0.93 HSI 0.44 PSI Drop (psi) 74.76 Jet Vel (ft/s) 89.64 Imp Force 289.78		<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>13.63</td> <td>45.00 /</td> <td>45.00</td> </tr> <tr> <td>9.63</td> <td>881.80 /</td> <td>856.00</td> </tr> <tr> <td>5.50</td> <td>15,118.03 /</td> <td>6,675.01</td> </tr> </tbody> </table>		Size(in)	MD(ft)/TVD(ft)	FT/LOT(ppg)	13.63	45.00 /	45.00	9.63	881.80 /	856.00	5.50	15,118.03 /	6,675.01																	
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MUD LOGGING				INVENTORY																																
Trip Gas (units): @ BG Gas (units): Surf to Surf: Conn Gas (units): @ Pore Pressure: (%) Lag Strokes: Form: Lag Time: (min)				<table border="1"> <thead> <tr> <th>Item</th> <th>Inv</th> </tr> </thead> <tbody> <tr> <td>DIESEL</td> <td>12,216</td> </tr> </tbody> </table>				Item	Inv	DIESEL	12,216																									
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SOLIDS CONTROL																																				
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BHA # 1				STRING LOADS		MUD PUMPS																														
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 8,000	#1																													
1	ULTERRA U519M		8.750	1.00	1.00	Off Btm Torque: 2,000	#2																													
1	1.5 DEG. 7/8 6.4 STG.	1.750	6.750	30.31	31.31	Str. Wt. Up: 100	#3																													
1	UBHO SUB	2.875	6.625	3.51	34.82	Str. Wt. Down: 90																														
1	MONEL D.C.	3.250	6.750	29.85	64.67	Str. Wt. Rot.: 95																														
1	MONEL D.C.	2.875	6.500	31.11	95.78	Max Over Pull:																														
1	X-OVER	2.812	6.750	2.15	97.93																															
6	RIG D.C.'S	2.375	6.500	183.97	281.90																															
1	X-OVER	2.812	6.437	3.13	285.03																															
115				3,464.98	3,750.01																															
Total Length: 3,750.01																																				
BHA PROPERTIES																																				
BHA Hrs: 13																																				
Jar Hrs:																																				
Cum String Hours: 27																																				
Weight B Jars (kip):																																				
						1 SPM: Pressure: 2 SPM: Pressure:																														
						T GPM (gpm): 600 SPP (psi): 2,500 AV (DC): AV (DP):																														
SURVEYS																																				
MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)																													
2,310	4.97	85.91	2,309	-4.15	52.03	-4.15	1.37																													
2,498	5.05	91.71	2,496	-3.82	68.42	-3.82	0.27																													
2,688	6.37	86.09	2,685	-3.35	87.30	-3.35	0.75																													
2,876	8.53	83.27	2,872	-1.00	111.55	-1.00	1.16																													
3,066	8.40	82.22	3,060	2.53	139.30	2.53	0.11																													
3,256	8.75	85.47	3,247	5.55	167.46	5.55	0.31																													
3,444	9.67	95.72	3,433	5.10	197.42	5.10	1.00																													
3,633	9.23	86.61	3,619	4.42	228.35	4.42	0.82																													
OPERATION DETAILS																																				
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																													
06:00	07:00	1.00	P	DRLPRD	17	CUTSLIP	SLIP AND CUT DRILL LINE. (SET C.O.M. AND TEST)																													
07:00	12:30	5.50	P	DRLPRD	42	OTHER	INSTALL BELL NIPPLE AND FLOWLINE (MODIFY FLOWLINE AFTER RIG MOVE)																													
12:30	15:30	3.00	P	DRLPRD	14	PULDSTR	M.U. RYAN 1.5 DEG. DIRECTIONAL ASSY AND TRIP IN HOLE. (SURFACE TEST MOTOR AND MWD)																													
15:30	17:30	2.00	P	DRLPRD	72	DRLCMT	DRILL CEMENT, PLUG, AND FLOAT EQUIP.																													
17:30	06:00	12.50	P	DRLPRD	07	DRLVERT	DRILL F/ 886' - T/ 3750'.																													
Daily Operations Comments																																				
MOTOR = NOV 1.50 DEG.FBH, 7/8, 6.4 STG. W/ 8 1/2" STAB. SLEEVE.) BIT TO GAMMA = 41', BIT TO SURVEY = 56', BIT TO BEND = 6.13', REVS/GAL = .31																																				

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Depth md/tvd (ft): 6,186.01 / 6,138.08 Progress (ft): 2,436.00 ROP: 2,436.0 / 23.00 = 105.91 Proposed TD (ft): 15,090.50 Next Csg Point (ft): 15,118.03				Rig: UDI/222 Rig Phone: 713-997-1245 RKB (ft): Ground Level (ft): 2,669.0 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>15985547974</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>45,298</td> <td>0</td> <td>0</td> <td>45,298</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>521,697</td> <td>0</td> <td>0</td> <td>521,697</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 #:	15985547974				Day Cost(\$):	45,298	0	0	45,298	Cum Cost(\$)	521,697	0	0	521,697	AFE(\$):	0	0	0	0											
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Current Activity: DRILLING 8-3/4" HOLE AT 6186'. (PTB: 6186' MD, 6138' TVD, 9.7" INC, 128.0° AZM, 11.7' ABOVE, 11.7' RIGHT). (SECTION DRILLED = 5300'). 24 Hr Summary: DRILLED 8-3/4" SECTION F/ 3750' T/ 6186'. SAFETY STAND DOWN TO DISCUSS RECENT INCIDENTS ON OTHER SIDEWINDER / UDI RIGS. 24 Hr Forecast: DRILL 8-3/4" SECTION TO KOP. CIRC BU. POOH. L/D BHA. P/U CURVE ASSY. TIH. DRILL CURVE.																																															
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING																																									
Fluids Co.: Fluids Eng: ADAM JONES Time: 9:55 Oil Cnt: Location: Pit Temp (°F) 90 Sand Cnt: Depth (ft): 4,450.01 MBT: Density (ppg): 10.00 pH: 9.5 FV (s/qt): 28 Pm (cc): 0.2 PV (cp): 1 Pf (cc)/Mf (cc): 0.1 / 0.4 YP (lb/100ft²): 1 Chloride (ppm): 189,000 Gels (l): 1/1 Calcium (ppm): 1,800.00 WL: HTHP: ES (mV): Cake: LGS (%): 2.68 Solids: Ex Lime (ppb): ECD (ppg): 10.2 OWR: /		D M Cost(\$): \$282.56 C M Cost(\$): \$282.56 Mud Additives Used CAUSTIC SODA 6 TAX 26 SODA ASH 1		Bit# 1 S/N 18230 Size (in) 8.75 Mfg ULTERRA IADC Type Model # U519M Jets 7X20 Depth In (ft) 886 Depth Out (ft) Bit Rotations 60/65 On Btm Hrs Cum 35.50 Footage Cum (ft) 5,300 ROP Cum 149.3 WOB mm/mx (kip) / RPM rot/bit / Bit HP 0.91 HSI 0.42 PSI Drop (psi) 72.61 Jet Vel (ft/s) 89.64 Imp Force 281.42		<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>13.63</td> <td>45.00 /</td> <td>45.00</td> </tr> <tr> <td>9.63</td> <td>881.80 /</td> <td>856.00</td> </tr> <tr> <td>5.50</td> <td>15,118.03 /</td> <td>6,675.01</td> </tr> </tbody> </table>		Size(in)	MD(ft)/TVD(ft)	Fit LOT(ppg)	13.63	45.00 /	45.00	9.63	881.80 /	856.00	5.50	15,118.03 /	6,675.01																												
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Skr		Deck 1 Screens		Deck 2 Screens																																											
MUD LOGGING																																															
Trip Gas (units): @ BG Gas (units): Conn Gas (units) @ Form:		Surf to Surf: Lag Strokes: Lag Time: (min)		Grading I O D L B G O R Bit # 1																																											
BHA # 1				STRING LOADS		MUD PUMPS																																									
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 6,000 Off Btm Torque: 2,000 Str. Wt. Up: 148 Str. Wt. Down: 128 Str. Wt. Rot.: 138 Max Over Pull:																																									
1	ULTERRA U519M		8.750	1.00	1.00	<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></td> <td></td> <td></td> </tr> <tr> <td>SPM:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>GPM:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SPR:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 SPM:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Pressure:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2 SPM:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Pressure:</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			#1	#2	#3	Pump Type:				Liner ID:				SPM:				GPM:				SPR:				1 SPM:				Pressure:				2 SPM:				Pressure:			
	#1	#2	#3																																												
Pump Type:																																															
Liner ID:																																															
SPM:																																															
GPM:																																															
SPR:																																															
1 SPM:																																															
Pressure:																																															
2 SPM:																																															
Pressure:																																															
1	1.5 DEG. 7/8 6.4 STG.	1.750	6.750	30.31	31.31																																										
1	UBHO SUB	2.875	6.625	3.51	34.82																																										
1	MONEL D.C.	3.250	6.750	29.85	64.67																																										
1	MONEL D.C.	2.875	6.500	31.11	95.78																																										
1	X-OVER	2.812	6.750	2.15	97.93																																										
6	RIG D.C.'S	2.375	6.500	183.97	281.90																																										
1	X-OVER	2.812	6.437	3.13	285.03																																										
197				5,900.98	6,186.01																																										
Total Length: 6,186.01						BHA PROPERTIES BHA Hrs: 23 Jar Hrs: Cum String Hours: 74 Weight B Jars (kip):																																									
T GPM (gpm): 600 SPP (psi): 2,500 AV (DC): AV (DP):																																															
SURVEYS																																															
MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)																																								
4,769	8.75	89.60	4,740	25.18	411.35	25.18	0.60																																								
4,957	10.20	83.01	4,926	27.31	442.17	27.31	0.96																																								
5,147	8.31	80.29	5,113	31.67	472.41	31.67	1.02																																								
5,335	10.55	83.89	5,299	35.80	502.91	35.80	1.23																																								
5,525	9.32	81.52	5,486	39.92	535.43	39.92	0.68																																								
5,714	8.75	80.64	5,673	44.51	564.75	44.51	0.31																																								
5,903	9.93	102.35	5,859	43.36	594.86	43.36	1.95																																								
6,094	9.54	118.08	6,047	32.39	624.92	32.39	1.40																																								
OPERATION DETAILS																																															
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																																								
06:00	17:00	11.00	P	DRLPRD	07	DRLVERT	DRILL 8-3/4" SECTION F/ 3750' T/ 5390'.																																								
17:00	17:30	0.50	P	DRLPRD	12	RIGSVC	RIG SERVICE.																																								
17:30	18:00	0.50	P	DRLPRD	41	SFTYMTG	HOLD SAFETY STAND DOWN.																																								
18:00	06:00	12.00	P	DRLPRD	07	DRLVERT	DRILL 8-3/4" SECTION F/ 5390' T/ 6186'.																																								
Daily Operations Comments																																															
MOTOR = NOV 1.50 DEG.FBH, 7/8, 6.4 STG. W/ 8 1/2" STAB. SLEEVE.) BIT TO GAMMA = 41', BIT TO SURVEY = 56', BIT TO BEND = 6.13', REVS/GAL = .31																																															

Daily Drilling Report Onshore		Well Name/Wellbore No.: UNIVERSITY EAST 4411CH/OH		Report Number: 004 Report Date: 02/28/2013 Spud Date: 02/25/2013 Release Date: DFS: 3.00 DOL: 4 AFE Days: 11 Last BOP T.: Safety & Environmental Incident: No	
		Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: J.D. DAVIS / J. MOORE Engineer/Manager: BRENT BAKER / PERRY EVANS			

Depth md/tvd (ft): 6,997.01 / 6,666.06 Progress (ft): 811.00 ROP: 811.0 / 12.00 = 67.58 Proposed TD (ft): 15,090.50 Next Csg Point (ft): 15,118.03		Rig: UDI/222 Rig Phone: 713-997-1245 RKB (ft): Ground Level (ft): 2,869.0 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 #: 159855/47974</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$): 72,182</td> <td></td> <td>0</td> <td>0</td> <td>72,182</td> </tr> <tr> <td>Cum Cost(\$) 598,379</td> <td></td> <td>0</td> <td>0</td> <td>598,379</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 #: 159855/47974					Day Cost(\$): 72,182		0	0	72,182	Cum Cost(\$) 598,379		0	0	598,379	AFE(\$): 0		0	0	0
	Drig	Comp	Fac	Total																										
AFE #: 159855/47974																														
Day Cost(\$): 72,182		0	0	72,182																										
Cum Cost(\$) 598,379		0	0	598,379																										
AFE(\$): 0		0	0	0																										

Current Activity: DRILLING CURVE AT 6997' (PTB: 6997' MD, 6664' TVD, 75.4° INC, 177° AZM, 55' ABOVE, 30.7° RIGHT).
 24 Hr Summary: CIRC BU. POOH. L/D BAD MOTOR. P/U CURVE BHA. TIH. DRILL F/ 6418' T/ 6250', KOP. START CURVE. DRILL CURVE F/ 6250' T/ 6997'.
 24 Hr Forecast: CIRC BU. POOH. L/D BHA. P/U LATERAL ASSY. TIH. DRILL 8-3/4" LATERAL SECTION.

MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING													
Fluids Co.: ADAM JONES Time: 8:20 Oil Cnt: Location: H2O Cnt (%) 86 Pit Temp (°F) 90 Sand Cnt: Depth (ft): 6,186.01 MBT: Density (ppg): 10.20 pH: 9.0 FV (s/qt): 28 Pm (cc): 0.1 PV (cp): 1 Pf (cc)/Mf (cc): 0.1 / 0.2 YP (lb/100ft²): 1 Chloride (ppm): 177,000 Gels (l): 1/1 Calcium (ppm): 1,960.00 WL: HTHP: ES (mV): Cake: LGS (%): 2.24 Solids: Ex Lime (ppb): ECD: OWR:		D M Cost(\$): \$1,012.00 C M Cost(\$): \$1,294.56 Mud Additives TAX BARITE Used 92 2		Bit# 2 S/N 12164964 Size (in) 8.75 Mfg HALLIBURTON IADC Type Model # MMD55C Jets 7X20 5X20, 2X16 Depth In (ft) 6,186 Depth Out (ft) Bit Rotations 0/20 On Btm Hrs Cum 12.00 Footage Cum (ft) 811 ROP Cum 67.6 WOB mm/mx (kip) / 5 / 10 RPM rot/bit / 0 / 20 Bit HP 1.02 HSI 0.53 PSI Drop (psi) 91.10 Jet Vel (ft/s) 99.91 Imp Force 316.79		<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>13.63</td> <td>45.00 /</td> <td>45.00</td> </tr> <tr> <td>9.63</td> <td>881.80 /</td> <td>856.00</td> </tr> <tr> <td>5.50</td> <td>15,118.03 /</td> <td>6,675.01</td> </tr> </table>		Size(in)	MD(ft)/TVD(ft)	Fit/LOT(ppg)	13.63	45.00 /	45.00	9.63	881.80 /	856.00	5.50	15,118.03 /	6,675.01
Size(in)	MD(ft)/TVD(ft)	Fit/LOT(ppg)																	
13.63	45.00 /	45.00																	
9.63	881.80 /	856.00																	
5.50	15,118.03 /	6,675.01																	
INVENTORY																			
Item DIESEL						Inv 8,944													
SOLIDS CONTROL																			
Skr		Deck 1 Screens		Deck 2 Screens															

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

BHA #					STRING LOADS		MUD PUMPS			
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 5,000		#1	#2	#3
1	SEC. MMD55C		8.750	1.00	1.00	Off Btm Torque: 1,000		Pump Type:		
1	2.38" FBH SBTB, 4/5, 7.0	1.750	6.750	26.02	27.02	Str. Wt. Up: 150		Liner ID:		
1	UBHO SUB	2.875	6.625	3.51	30.53	Str. Wt. Down: 130		SPM:		
1	MONEL D.C.	3.250	6.750	29.85	60.38	Str. Wt. Rot.: 133		GPM:		
1	FLEX MONEL	2.875	6.750	30.82	91.20	Max Over Pull:		SPR:		
230				6,905.81	6,997.01			1 SPM:		
Total Length: 6,997.01								Pressure:		
BHA PROPERTIES								2 SPM:		
BHA Hrs: 12								Pressure:		
Jar Hrs:										
Cum String Hours: 25										
Weight B Jars (kip):										
								T GPM (gpm): 600	SPP (psi): 2,350	
								AV (DC):	AV (DP):	

SURVEYS							
MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)
6,696	60.18	169.50	6,560	-214.15	699.97	-214.15	8.00
6,728	63.25	170.11	6,575	-241.88	704.96	-241.88	9.74
6,760	65.45	170.90	6,589	-270.33	709.71	-270.33	7.23
6,791	67.82	171.25	6,601	-298.44	714.13	-298.44	7.72
6,822	69.63	171.52	6,613	-327.00	718.45	-327.00	5.89
6,854	70.73	172.40	6,623	-356.81	722.66	-356.81	4.30
6,885	72.04	173.63	6,633	-385.97	726.23	-385.97	5.66
6,917	73.19	173.80	6,643	-416.32	729.57	-416.32	3.63

OPERATION DETAILS							
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	12:00	6.00	P	DRLPRD	13	TRIP	SLUG AND T.O.H. W/ FAILED NOV MOTOR. (LAY DOWN MOTOR AND BIT #1) (WORK THRU TIGHT HOLE AT 2,650').
12:00	14:00	2.00	P	DRLPRD	14	PULDSTR	M.U. NOV 2.38". MOTOR AND NEW BIT #2 (SURFACE TEST MOTOR AND MWD).
14:00	18:00	4.00	P	DRLPRD	13	TRIP	TRIP IN HOLE.
18:00	18:30	0.50	P	DRLPRD	07	DRLVERT	DRILL 6,186' - 6250', KOP.
18:30	06:00	11.50	P	DRLPRD	09	DRLCRV	DRILL CURVE F/ 6250' T/ 6997'.

Daily Operations Comments
 MOTOR = NOV 2.38" FBH SBTB, 4/5, 7.0 STG, BIT TO GAMMA = 33', BIT TO SURVEY = 48', BIT TO BEND = 4.20', REVS/GAL = .52

Daily Drilling

Report Onshore

Well Name/Wellbore No.

UNIVERSITY EAST 4411CH/OH

Report Number:

005

Report Date:

03/01/2013

Spud Date:

02/25/2013

Release Date:

DFS: 4.00

DOL: 5

AFE Days: 11

Last BOP T.:

Safety & Environmental Incident: No

Depth md/tvd (ft):

8,500.02 / 6,724.19

Progress (ft):

1,503.00

ROP:

1,503.0 / 14.00 = 107.36

Proposed TD (ft):

15,090.50

Next Csg Point (ft):

15,118.03

Rig:

UDI/222

Rig Phone:

713-997-1245

RKB (ft):

Ground Level (ft):

2,669.0

POB:

23

Total Man Hours:

0.00

AFE #:

159855/47974

Day Cost(\$):

92,988

Cum Cost(\$):

691,367

AFE(\$):

0

Drig

Comp

Fac

Total

Current Activity:

DRILLING LATERAL @ 8,500' (BIT PROJ. = 89.93 DEG. @ 178.36 AZI. 2.5' BELOW, 8.26' LEFT) 85 DEG. BEGIN @ 7,261'. LATERAL LENGTH = 1,239'.

24 Hr Summary:

CIRC BU. POOH. L/D CURVE BHA. P/U LATERAL BHA. TIH. FINISH DRILLING CURVE F/ 6997' T/ 7261' (85°). DRILL LATERAL SECTION F/ 7261'- 8,500'.

24 Hr Forecast:

DRILL 8-3/4" LATERAL SECTION.

MUD PROPERTIES

Fluids Co.:

Fluids Eng: ADAM JONES

Time:

12:45

Location:

Pit Temp:

Depth (ft):

6,997.01

Density (ppg):

10.40

FV (s/qt):

28

PV (cp):

1

YP (lb/100ft²):

1

Gels (l):

1/1

WL:

HTHP:

Cake:

Solids:

ECD:

Oil Cnt:

H2O Cnt (%):

86

Sand Cnt:

MBT:

pH:

9.5

Pm (cc):

0.1

Pf (cc)/Mf (cc):

0.1 / 0.3

Chloride (ppm):

178,000

Calcium (ppm):

1,840.00

LCM:

ES (mV):

LGS (%):

3.50

Ex Lime (ppb):

OWR:

Mud Additives

Used

TAX

383

BARITE

3

SODA ASH

2

TEX-TAN

14

D M Cost(\$):

\$4,216.01

C M Cost(\$):

\$5,510.57

BIT RECORD

Bit#

3

S/N

17500

Size (in)

8.75

Mfg

ULTERRA

IADC Type

Model #

U519M

Jets

5X20, 2X16

Depth In (ft)

6,997

Depth Out (ft)

Bit Rotations

60/60

On Btm Hrs Cum

14.00

Footage Cum (ft)

1,503

ROP Cum

107.4

WOB min/mx (kip)

/

RPM rot/bit

60 / 60

Bit HP

0.93

HSI

0.44

PSI Drop (psi)

74.76

Jet Vel (ft/s)

89.64

Imp Force

289.78

Grading

I O D L B G O R

Bit #

3

CASING

Size(in)

MD(ft)/TVD(ft)

FIT/LOT(ppg)

13.63

45.00 /

45.00

9.63

881.80 /

856.00

5.50

15,118.03 /

6,675.01

INVENTORY

Item

Inv

DIESEL

13,412

SOLIDS CONTROL

Skr

Deck 1 Screens

Deck 2 Screens

MUD LOGGING

Trip Gas (units):

@

Conn Gas (units):

@

Form:

BG Gas (units):

Pore Pressure:

(%)

Surf to Surf:

Lag Strokes:

Lag Time:

(min)

BHA # 3

Qty

Item Description

ID (in)

OD (in)

Len (ft)

Cum (ft)

1

ULTERRA U519M

1.750

6.750

1.00

1.00

1

NOV 1.83, 7/8 5.0 STG.

1.750

6.750

26.58

27.58

1

FLOAT SUB

2.812

6.437

3.51

31.09

1

UBHO SUB

2.875

6.500

3.52

34.61

1

MONEL D.C.

3.250

6.625

30.61

65.22

1

MONEL D.C.

2.875

6.562

30.74

95.96

48

RIG D.P.

5.000

1,513.45

1,609.41

1

AGITATOR

2.500

6.687

12.96

1,622.37

1

SHOCK SUB

2.250

6.812

10.78

1,633.15

Total Length:

1,633.15

STRING LOADS

On Btm Torque:

12,000

Off Btm Torque:

2,000

Str. Wt. Up:

160

Str. Wt. Down:

120

Str. Wt. Rot.:

136

Max Over Pull:

BHA PROPERTIES

BHA Hrs:

14

Jar Hrs:

Cum String Hours:

28

Weight B Jars (kip):

MUD PUMPS

#1

#2

EP ENERGY Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY EAST 4411CH/OH				Report Number: 006									
				Country: USA				Report Date: 03/02/2013									
				State/OCSG: TEXAS				Spud Date: 02/25/2013									
				Field/Permit#: WOLFCAMP EAST				Release Date:									
				Supervisors: J.D. DAVIS / J. MOORE				DFS: 5.00 DOL: 6 AFE Days: 11									
				Engineer/Manager: BRENT BAKER / PERRY EVANS				Last BOP T.: Safety & Environmental Incident: No									
Depth md/tvd (ft): 10,820.02 / 6,712.81				Rig: UDI/222				Drig				Comp		Fac		Total	
Progress (ft): 2,320.00				Rig Phone: 713-997-1245				AFE #:				159855/47974					
ROP: 2,320.0 / 23.50 = 98.72				RKB (ft):				Day Cost(\$):				60,354		0		60,354	
Proposed TD (ft): 15,090.50				Ground Level (ft): 2,669.0				Cum Cost(\$):				751,721		0		751,721	
Next Csg Point (ft): 15,118.03				POB: 38 Total Man Hours: 0.00				AFE(\$):				0		0		0	
Current Activity: DRILLING LATERAL @ 10,820' (PTB = 89.14° @ 181.35° AZI, 12' ABOVE, 1' LEFT) LATERAL LENGTH = 3559'.																	
24 Hr Summary: DRILL 8-3/4" LATERAL SECTION F/ 8500' T/ 10,820'.																	
24 Hr Forecast: DRILL 8-3/4" LATERAL SECTION.																	
MUD PROPERTIES				MUD MATERIALS				BIT RECORD				CASING					
Fluids Co.: Fluids Eng: CORY DRIVER				D M Cost(\$): \$2,669.45 C M Cost(\$): \$8,180.02				Bit# 3 S/N 17500 Size (in) 8.75 Mfg ULTERRA IADC Type U519M Model # 7X20 Jets 6.997				Size(in) MD(ft)/TVD(ft) FIT LOT(ppg) 13.63 45.00 / 45.00 9.63 881.80 / 856.00 5.50 15,118.03 / 6,675.01					
Time: 11:00 Oil Cnt:				Mud Additives Used													
Location: PIT H2O Cnt (%): 86				SODA ASH 3 CAUSTIC SODA 1 TEX-TAN 7 TAX 134 BRINE WATER 600													
Pit Temp: Sand Cnt:																	
Depth (ft): 8,933.02 MBT:																	
Density (ppg): 10.40 pH: 9.0																	
FV (s/qt): 29 Pm (cc): 0.1																	
PV (cp): 1 Pf (cc)/Mf (cc): 0.1 / 0.2																	
YP (lbf/100ft²): 1 Chloride (ppm): 175,000																	
Gels (l): 1/1 Calcium (ppm): 1,680.00																	
WL: LCM:																	
HTHP: ES (mV):																	
Cake: LGS (%): 4.40																	
Solids: Ex Lime (ppb):																	
ECD (ppg): 10.6 OWR:																	
MUD LOGGING																	
Trip Gas (units): @				BG Gas (units): 453				Surf to Surf:									
Conn Gas (units) 452 @ 784								Lag Strokes:									
Form:				Pore Pressure: (%)				Lag Time: (min)									
Grading I O D L B G O R																	
Bit # 3																	
BHA # 3						STRING LOADS						MUD PUMPS					
Qty	Item Description		ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 22,000						#1 #2 #3				
1	ULTERRA U519M			8.750	1.00	1.00	Off Btm Torque: 5,000						Pump Type:				
1	NOV 1.83, 7/8 5.0 STG.		1.750	6.750	26.58	27.58	Str. Wt. Up: 187						Liner ID:				
1	FLOAT SUB		2.812	6.437	3.51	31.09	Str. Wt. Down: 95						SPM:				
1	UBHO SUB		2.875	6.500	3.52	34.61	Str. Wt. Rot.: 134						GPM:				
1	MONEL D.C.		3.250	6.625	30.61	65.22	Max Over Pull:						SPR:				
1	MONEL D.C.		2.875	6.562	30.74	95.96							1 SPM:				
48	RIG D.P.			5.000	1,513.45	1,609.41							Pressure:				
1	AGITATOR		2.500	6.687	12.96	1,622.37							2 SPM:				
1	SHOCK SUB		2.250	6.812	10.78	1,633.15							Pressure:				
306				5.000	9,186.87	10,820.02											
Total Length: 10,820.02																	
BHA PROPERTIES																	
BHA Hrs: 24																	
Jar Hrs:																	
Cum String Hours: 76																	
Weight B Jars (kip):																	
T GPM (gpm): 600 SPP (psi): 3,400																	
AV (DC): 431 AV (DP): 286																	
SURVEYS																	
MD (ft)		Inclination (°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)			
10,098		91.08		172.75		6,720		-3,579.27		950.36		-3,579.27		3.25			
10,194		90.68		174.51		6,719		-3,674.66		961.01		-3,674.66		1.88			
10,289		91.43		176.00		6,717		-3,769.32		968.87		-3,769.32		1.76			
10,383		91.56		179.51		6,714		-3,863.20		972.55		-3,863.20		3.74			
10,478		92.53		179.34		6,711		-3,958.13		973.50		-3,958.13		1.04			
10,572		90.11		179.51		6,709		-4,052.10		974.44		-4,052.10		2.58			
10,666		88.53		179.60		6,710		-4,146.08		975.17		-4,146.08		1.68			
10,760		89.14		178.11		6,712		-4,240.04		977.05		-4,240.04		1.71			
OPERATION DETAILS																	
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION										
06:00	17:00	11.00	P	DRLPRD	10	DRLLAT	DRILL F/ 8,500' - T/ 9552'.										
17:00	17:30	0.50	P	DRLPRD	12	RIGSVC	RIG SERVICE.										
17:30	06:00	12.50	P	DRLPRD	10	DRLLAT	DRILL F/ 9552' - T/ 10,820'.										
Daily Operations Comments																	
MOTOR = NOV 1.83" FBH, 7/8, 5.0 STG, BIT TO GAMMA = 37', BIT TO SURVEY = 52', BIT TO BEND = 6.25', REVS/GAL = .31																	

	Daily Drilling Report Onshore	Well Name/Wellbore No.: UNIVERSITY EAST 4411CH/OH Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: J.D. DAVIS / J. MOORE Engineer/Manager: BRENT BAKER / PERRY EVANS	Report Number: 007 Report Date: 03/03/2013 Spud Date: 02/25/2013 Release Date: DFS: 6.00 DOL: 7 AFE Days: 11 Last BOP T.: Safety & Environmental Incident: No																								
	Depth md/tvd (ft): 12,155.02 / 6,683.12 Progress (ft): 1,335.00 ROP: 1,335.0 / 23.50 = 56.81 Proposed TD (ft): 15,090.50 Next Csg Point (ft): 15,118.03	Rig: UDI/222 Rig Phone: 713-997-1245 RKB (ft): Ground Level (ft): 2,669.0 POB: 23 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>159855/47974</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$): 66,682</td> <td>0</td> <td>0</td> <td>0</td> <td>66,682</td> </tr> <tr> <td>Cum Cost(\$): 818,403</td> <td>0</td> <td>0</td> <td>0</td> <td>818,403</td> </tr> <tr> <td>AFE(\$): 0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </table>	AFE #:	Drig	Comp	Fac	Total	159855/47974					Day Cost(\$): 66,682	0	0	0	66,682	Cum Cost(\$): 818,403	0	0	0	818,403	AFE(\$): 0	0	0	0
AFE #:	Drig	Comp	Fac	Total																							
159855/47974																											
Day Cost(\$): 66,682	0	0	0	66,682																							
Cum Cost(\$): 818,403	0	0	0	818,403																							
AFE(\$): 0	0	0	0	0																							
Current Activity: DRILLING LATERAL @ 12,155' (PTB = 6684' TVD, 90.6° @ 179.6° AZI, 0.1' ABOVE, 3.6' LEFT) LATERAL LENGTH = 4894'. 24 Hr Summary: DRILL 8-3/4" LATERAL SECTION F/ 10,820' - T/ 12,155'. 24 Hr Forecast: DRILL 8-3/4" LATERAL SECTION.																											


MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING		
Fluids Co.: Fluids Eng: CORY DRIVER		D M Cost(\$): \$483.85 C M Cost(\$): \$8,663.87		Bit# 3 S/N 17500 Size (in) 8.75 Mfg ULTERRA IADC Type U519M Model # 7X20 Jets 6,997 Depth In (ft) 6,997 Depth Out (ft) Bit Rotations 60/60 On Btm Hrs Cum 61.00 Footage Cum (ft) 5,158 ROP Cum 84.6 WOB min/mx (kip) 20 / 35 RPM rot/bit 60 / 60 Bit HSI 0.93 PSI Drop (psi) 0.44 Jet Vel (ft/s) 74.76 Imp Force 89.64 289.78		Size(in)	MD(ft)/TVD(ft)	FIT/LOT(ppg)
Time: 10:00 Oil Cnt: Location: PIT H2O Cnt (%): 86 Pit Temp: Sand Cnt: Depth (ft): 11,094.02 MBT: Density (ppg): 10.40 pH: 9.5 FV (s/qt): 29 Pm (cc): 0.1 PV (cp): 1 Pf (cc)/Mf (cc): 0.1 / 0.3 YP (lb/100ft²): 1 Chloride (ppm): 176,000 Gels (j): 1/1 Calcium (ppm): 1,520.00 WL: LCM: HTHP: ES (mV): Cake: LGS (%): 4.34 Solids: Ex Lime (ppb): ECD (ppg): 10.6 OWR: /		Mud Additives Used CAUSTIC SODA 9 SODA ASH 3 TAX 44				13.63 45.00 / 45.00 9.63 881.80 / 856.00 5.50 15,118.03 / 6,675.01		
						INVENTORY		
						Item DIESEL	Inv 15,127	
						SOLIDS CONTROL		
						Skr	Deck 1 Screens	Deck 2 Screens

MUD LOGGING			
Trip Gas (units): @ BG Gas (units): 607	Surf to Surf: Lag Strokes: Lag Time: (min)		
Conn Gas (units) 569 @ 569	Pore Pressure: (%)		
Form:			

BHA # 3					STRING LOADS		MUD PUMPS				
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 24,000	Off Btm Torque: 8,000	Pump Type:	#1	#2	#3
1	ULTERRA U519M		8.750	1.00	1.00			Liner ID:			
1	NOV 1.83, 7/8 5.0 STG.	1.750	6.750	26.58	27.58			SPM:			
1	FLOAT SUB	2.812	6.437	3.51	31.09			GPM:			
1	UBHO SUB	2.875	6.500	3.52	34.61			SPR:			
1	MONEL D.C.	3.250	6.625	30.61	65.22			1 SPM:			
1	MONEL D.C.	2.875	6.562	30.74	95.96			Pressure:			
48	RIG D.P.	5.000	1,513.45	1,609.41				2 SPM:			
1	AGITATOR	2.500	6.687	12.96	1,622.37			Pressure:			
1	SHOCK SUB	2.250	6.812	10.78	1,633.15						
306		5.000	10,521.87	12,155.02							
Total Length:					12,155.02						
						BHA PROPERTIES					
						BHA Hrs: 24					
						Jar Hrs:					
						Cum String Hours: 123					
						Weight B Jars (kip):					
							T GPM (gpm): 600 SPP (psi): 3,650				
							AV (DC): 431 AV (DP): 286				

SURVEYS									
MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)		
11,423	92.66	176.18	6,701						

EP ENERGY Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY EAST 4411CH/OH				Report Number: 008									
				Country: USA				Report Date: 03/04/2013									
				State/OCSG: TEXAS				Spud Date: 02/25/2013									
				Field/Permit#: WOLFCAMP EAST				Release Date:									
				Supervisors: J.D. DAVIS / J. MOORE				DFS: 7.00 DOL: 8 AFE Days: 11									
				Engineer/Manager: BRENT BAKER / PERRY EVANS				Last BOP T.: Safety & Environmental Incident: No									
Depth md/tvd (ft): 12,496.02 / 6,684.39				Rig: UDI/222				Drig				Comp		Fac		Total	
Progress (ft): 341.00				Rig Phone: 713-997-1245				AFE #:				159855/47974					
ROP: 341.0 / 5.50 = 62.00				RKB (ft):				Day Cost(\$):				60,089		0		60,089	
Proposed TD (ft): 15,090.50				Ground Level (ft): 2,669.0				Cum Cost(\$):				878,492		0		878,492	
Next Csg Point (ft): 15,118.03				POB: 22 Total Man Hours: 0.00				AFE(\$):				0		0		0	
Current Activity: WASHING TO BTM.																	
24 Hr Summary: DRILL F/ 12,155' T/ 12,496'. DUE TO LOW ROP POOH. L/D BHA. P/U NEW BHA. TIH T/ 11,654'. WASH T/ 12,496'.																	
24 Hr Forecast: DRILL 8-3/4" LATERAL SECTION.																	
MUD PROPERTIES				MUD MATERIALS				BIT RECORD				CASING					
Fluids Co.: CORY DRIVER				D M Cost(\$): \$2,754.40				Bit# 3				Size(in)					
Fluids Eng: CORY DRIVER				C M Cost(\$): \$11,418.27				S/N 17500				MD(ft)/TVD(ft)					
Time: 14:00 Oil Cnt:				Mud Additives				Size (in) 8.75				FIT LOT(ppg)					
Location: PIT H2O Cnt (%): 87				BARITE 40				Mfg ULTERRA				13.63 45.00 / 45.00					
Pit Temp: Sand Cnt:				TRANSPORTATION 1				IADC Type				9.63 881.80 / 856.00					
Depth (ft): 12,496.02 MBT:				TAX 250				Model #				5.50 15,118.03 / 6,675.01					
Density (ppg): 10.20 pH: 9.5				CAUSTIC SODA 8				Jets				7X20 7X20					
FV (s/qt): 29 Pm (cc): 0.1								Depth In (ft) 6,997									
PV (cp): 1 Pf (cc)/Mf (cc): 0.1 / 0.3								Depth Out (ft) 12,496									
YP (lb/100ft²): 1 Chloride (ppm): 176,000								Bit Rotations 60/70									
Gels (l): 1/1 Calcium (ppm): 800.00								On Btm Hrs Cum 66.50									
WL: LCM:								Footage Cum (ft) 5,499									
HTHP: ES (mV):								ROP Cum 82.7									
Cake: LGS (%): 2.78								WOB mm/mx (kip) /									
Solids: Ex Lime (ppb):								RPM rot/bit /									
ECD (ppg): 10.6 OWR:								Bit HP 0.93									
								HSI 0.43									
								PSI Drop (psi) 74.06									
								Jet Vel (ft/s) 90.09									
								Imp Force 287.06									
MUD LOGGING																	
Trip Gas (units): @				BG Gas (units): 898				Surf to Surf:									
Conn Gas (units)00 @ 1,389				Pore Pressure: (%)				Lag Strokes:									
Form:								Lag Time: (min)									
BHA # 4								STRING LOADS									
Qty	Item Description			ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 24									
1	ULTERRA U519M				8.750	1.00	1.00	Off Btm Torque: 11									
1	NOV 1.83, 7/8 5.0 STG.			1.750	6.750	26.36	27.36	Str. Wt. Up: 182									
1	FLOAT SUB			2.812	6.437	4.16	31.52	Str. Wt. Down: 85									
1	MONEL D.C.			3.250	6.625	30.64	62.16	Str. Wt. Rot.: 135									
1	MONEL D.C.			2.875	6.562	30.85	93.01	Max Over Pull:									
48	RIG 5" D.P.				5.000	1,513.45	1,606.46										
1	AGITATOR			2.500	6.687	12.96	1,619.42										
1	SHOCK SUB			2.250	6.812	10.81	1,630.23										
362	RIG 5" DP				5.000	10,865.79	12,496.02										
							Total Length:	12,496.02									
BHA PROPERTIES																	
BHA Hrs: 6																	
Jar Hrs:																	
Cum String Hours: 136																	
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): 603								SPP (psi): 3,450									
AV (DC): 431								AV (DP): 286									
SURVEYS																	
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)			
11,706		90.73		175.56		6,698		-5,184.58		1,020.60		-5,184.58		0.58			
11,800		90.29		176.09		6,697		-5,278.32		1,027.44		-5,278.32		0.73			
11,895		91.96		176.70		6,695		-5,373.11		1,033.41		-5,373.11		1.87			
11,988		92.13		176.35		6,692		-5,465.88		1,039.05		-5,465.88		0.42			
12,083		93.19		175.74		6,687		-5,560.55		1,045.59		-5,560.55		1.29			
12,178		90.46		176.35		6,684		-5,655.27		1,052.14		-5,655.27		2.94			
12,275		89.23		176.79		6,684		-5,752.09		1,057.94		-5,752.09		1.35			
12,369		90.20		177.23		6,685		-5,845.96		1,062.84		-5,845.96		1.13			
OPERATION DETAILS																	
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION										
06:00	11:30	5.50	P	DRLPRD	10	DRLLAT	DRILLING 12,155'- 12,496'										
11:30	13:00	1.50	P	DRLPRD	15	CIRC	CIRC. BOTTOMS UP AND MIX AND PUMP SLUG										
13:00	19:00	6.00	P	DRLPRD	13	TRIP	TRIP OUT OF HOLE.										
19:00	20:30	1.50	P	DRLPRD	13	TRIP	LAY DOWN BHA.										
20:30	21:00	0.50	P	DRLPRD	12	RIGSVC	RIG SERVICE.										
21:00	23:00	2.00	P	DRLPRD	13	TRIP	MAKE UP NEW BHA. TEST MWD.										
23:00	04:30	5.50	P	DRLPRD	13	TRIP	TRIP IN HOLE T/ 11,654'.										
04:30	06:00	1.50	P	DRLPRD	16	WASHR	WASH F/ 11,654' - T/ 12,496'.										
Daily Operations Comments																	
MOTOR = NOV 1.83" FBH, 7/8, 5.0 STG, BIT TO GAMMA = 34', BIT TO SURVEY = 49', BIT TO BEND = 6.35', REVS/GAL = .29																	

 Daily Drilling Report Onshore		Well Name/Wellbore No.: UNIVERSITY EAST 4411CH/OH Country: USA State/OCSG: TEXAS Field/Permit#: WOLF CAMP EAST Supervisors: J.D. DAVIS / J. MOORE Engineer/Manager: BRENT BAKER / PERRY EVANS		Report Number: 009 Report Date: 03/05/2013 Spud Date: 02/25/2013 Release Date: DFS: 8.00 DOL: 9 AFE Days: 11 Last BOP T.: Safety & Environmental Incident: No																																																																																																																							
Depth md/tvd (usft): 14,611.00 / 6,663.53 Progress (usft): 2,115.00 ROP: 2,115.0 / 23.50 = 90.00 Proposed TD (usft): 15,090.50 Next Csg Point (usft): 15,118.00		Rig: UDI/222 Rig Phone: 713-997-1245 RKB (usft): Ground Level (usft): 2,669.0 POB: 29 Total Man Hours: 282.00		<table border="1"> <tr> <th></th> <th>Drig</th> <th>Comp</th> <th>Fac</th> <th>Total</th> </tr> <tr> <td>AFE #:</td> <td>159855/47974</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Day Cost(\$):</td> <td>49,427</td> <td>0</td> <td>0</td> <td>49,427</td> </tr> <tr> <td>Cum Cost(\$)</td> <td>927,920</td> <td>0</td> <td>0</td> <td>927,920</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 #:	159855/47974				Day Cost(\$):	49,427	0	0	49,427	Cum Cost(\$)	927,920	0	0	927,920	AFE(\$):	0	0	0	0																																																																																													
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AFE(\$):	0	0	0	0																																																																																																																							
Current Activity: DRILLING LATERAL @ 14,611' (PTB = 6664' TVD, 90° @ 180° AZI, 5.5' BELOW, 10' LEFT) LATERAL LENGTH DRILLED = 7350'. 24 Hr Summary: DRILL 8-3/4" LATERAL SECTION F/ 12,496' - T/ 14,611'. 24 Hr Forecast: DRILL 8-3/4" LATERAL SECTION TO TD. CIRC HOLE CLEAN. POOH. LD 5" DP & BHA.																																																																																																																											
MUD PROPERTIES Fluids Co.: Fluids Eng: CORY DRIVER Time: 11:30 Location: PIT Pit Temp: Depth (usft): 12,989.00 Density (ppg): 10.20 FV (s/qt): 29 PV (cp): 1 YP (lbf/100ft²): 1 Gels (l): 1/1 WL: HTHP: Cake: Solids: ECD (ppg): 10.6		MUD MATERIALS D M Cost(\$): \$3,632.31 C M Cost(\$): \$15,050.58 Mud Additives Used SCALE INHIBITOR 10 CAUSTIC SODA 1 BRINE WATER 860 BARITE 65 TAX 174 CORR. INHIBITOR 10		BIT RECORD Bit# 4 S/N 18229 Size (") 8.75 Mfg ULTERRA IADC Type Model # U519M Jets 7X20 Depth In (usft) 12,496 Depth Out (usft) 15,018 Bit Rotations 60/60 On Btm Hrs Cum 23.50 Footage Cum (usft) 2,115 ROP Cum 90.0 WOB mm/mx (kip) / RPM rot/bit / Bit HP 0.92 HSI 0.43 PSI Drop (psi) 73.33 Jet Vel (ft/s) 89.64 Imp Force 284.21 Grading I O D L B G O R Bit # Bit # 4																																																																																																																							
MUD LOGGING Trip Gas (units): 370 @ 1,070 Conn Gas (units): 90 @ 1,429 Form:		Surf to Surf: Lag Strokes: Lag Time: (min)		INVENTORY Item DIESEL Inv 10,600 SOLIDS CONTROL Skr Brand / Source API Size																																																																																																																							
BHA # 4 <table border="1"> <thead> <tr> <th>Qty</th> <th>Item Description</th> <th>ID (")</th> <th>OD (")</th> <th>Len (usft)</th> <th>Cum (usft)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ULTERRA U519M</td> <td></td> <td>8-3/4</td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>1</td> <td>NOV 1.83, 7/8 5.0 STG.</td> <td>1-3/4</td> <td>6-3/4</td> <td>26.36</td> <td>27.36</td> </tr> <tr> <td>1</td> <td>FLOAT SUB</td> <td>2-13/16</td> <td>6-7/16</td> <td>4.16</td> <td>31.52</td> </tr> <tr> <td>1</td> <td>MONEL D.C.</td> <td>3-1/4</td> <td>6-5/8</td> <td>30.64</td> <td>62.16</td> </tr> <tr> <td>1</td> <td>MONEL D.C.</td> <td>2-7/8</td> <td>6-9/16</td> <td>30.85</td> <td>93.01</td> </tr> <tr> <td>48</td> <td>RIG 5" D.P.</td> <td></td> <td>5</td> <td>1,513.45</td> <td>1,606.46</td> </tr> <tr> <td>1</td> <td>AGITATOR</td> <td>2-1/2</td> <td>6-11/16</td> <td>12.96</td> <td>1,619.42</td> </tr> <tr> <td>1</td> <td>SHOCK SUB</td> <td>2-1/4</td> <td>6-13/16</td> <td>10.81</td> <td>1,630.23</td> </tr> <tr> <td>425</td> <td>RIG 5" DP</td> <td></td> <td>5</td> <td>13,387.77</td> <td>15,018.00</td> </tr> <tr> <td colspan="4"></td> <td>Total Length:</td> <td>15,018.00</td> </tr> </tbody> </table>		Qty	Item Description	ID (")	OD (")	Len (usft)	Cum (usft)	1	ULTERRA U519M		8-3/4	1.00	1.00	1	NOV 1.83, 7/8 5.0 STG.	1-3/4	6-3/4	26.36	27.36	1	FLOAT SUB	2-13/16	6-7/16	4.16	31.52	1	MONEL D.C.	3-1/4	6-5/8	30.64	62.16	1	MONEL D.C.	2-7/8	6-9/16	30.85	93.01	48	RIG 5" D.P.		5	1,513.45	1,606.46	1	AGITATOR	2-1/2	6-11/16	12.96	1,619.42	1	SHOCK SUB	2-1/4	6-13/16	10.81	1,630.23	425	RIG 5" DP		5	13,387.77	15,018.00					Total Length:	15,018.00	STRING LOADS On Btm Torque: 24,000 Off Btm Torque: 8,000 Str. Wt. Up: 230 Str. Wt. Down: 80 Str. Wt. Rot.: 140 Max Over Pull: BHA PROPERTIES BHA Hrs: 4		MUD PUMPS <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></td> <td></td> <td></td> </tr> <tr> <td>Stroke Len:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SPM:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>GPM:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SPR:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 SPM:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Pressure:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2 SPM:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Pressure:</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="4">T GPM (gpm): 0.00 SPP (psi): 3.600</td> </tr> <tr> <td colspan="4">AV (DC): 431 AV (DP): 286</td> </tr> </tbody> </table>			#1	#2	#3	Pump Type:				Liner ID:				Stroke Len:				SPM:				GPM:				SPR:				1 SPM:				Pressure:				2 SPM:				Pressure:				T GPM (gpm): 0.00 SPP (psi): 3.600				AV (DC): 431 AV (DP): 286			
Qty	Item Description	ID (")	OD (")	Len (usft)	Cum (usft)																																																																																																																						
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1	MONEL D.C.	3-1/4	6-5/8	30.64	62.16																																																																																																																						
1	MONEL D.C.	2-7/8	6-9/16	30.85	93.01																																																																																																																						
48	RIG 5" D.P.		5	1,513.45	1,606.46																																																																																																																						
1	AGITATOR	2-1/2	6-11/16	12.96	1,619.42																																																																																																																						
1	SHOCK SUB	2-1/4	6-13/16	10.81	1,630.23																																																																																																																						
425	RIG 5" DP		5	13,387.77	15,018.00																																																																																																																						
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EP ENERGY Daily Drilling Report Onshore				Well Name/Wellbore No.: UNIVERSITY EAST 4411CH/OH				Report Number: 010									
				Country: USA				Report Date: 03/06/2013									
				State/OCSG: TEXAS				Spud Date: 02/25/2013									
				Field/Permit#: WOLF CAMP EAST				Release Date:									
				Supervisors: JOE WIKERSON / DAVID WALDRUM				DFS: 9.00 DOL: 10 AFE Days: 11									
				Engineer/Manager: BRENT BAKER / PERRY EVANS				Last BOP T.: Safety & Environmental Incident: No									
Depth md/tvd (ft): 15,018.03 / 6,652.32				Rig: UDI/222				Drig				Comp		Fac		Total	
Progress (ft): 407.00				Rig Phone: 713-997-1245				AFE #:				159855/47974					
ROP: 407.0 / 4.00 = 101.75				RKB (ft):				Day Cost(\$):				46,665		0		46,665	
Proposed TD (ft): 15,090.50				Ground Level (ft): 2,669.0				Cum Cost(\$):				974,585		0		974,585	
Next Csg Point (ft): 15,118.03				POB: 22 Total Man Hours: 0.00				AFE(\$):				0		0		0	
Current Activity: L/D BHA. (PTB= 15,018' MD, 92.79° INC, 181.79° AZM, 6,652' TVD, 8,543' VS, 7,757' TOTAL LATERAL.)																	
24 Hr Summary: DRILL 8-3/4" LATERAL SECTION TO TD. CC MUD. POOH. L/D 5" DP & BHA.																	
24 Hr Forecast: FINISH LD BHA. R/U CSG CREW. C/O RAMS. RUN 5 1/2" PROD CSG. RUPTURE DISK. CIRC OUT AIR. DROP PLUG. SHEAR FLOATATION COLLAR. C&C MUD. CMT CSG.																	
MUD PROPERTIES				MUD MATERIALS				BIT RECORD				CASING					
Fluids Co.: Fluids Eng: CORY DRIVER				D M Cost(\$): \$1,979.01 C M Cost(\$): \$17,029.59				Bit# 4 S/N 18229 Size (in) 8.75 Mfg ULTERRA IADC Type U519M Model # U519M				Size(in) 13.63 MD(ft)/TVD(ft) 45.00 / 45.00 9.63 881.80 / 856.00 5.50 15,118.03 / 6,675.01					
Time: 10:30 Oil Cnt:				Mud Additives Used				Jets 7X20				INVENTORY					
Location: PIT H2O Cnt (%): 86				TEX-TAN 8 TAX 180 SODA ASH 5 CAUSTIC SODA 7				Depth In (ft) 12,496 Depth Out (ft) 15,018 Bit Rotations 60/60 On Btm Hrs Cum 27.50 Footage Cum (ft) 2,522 ROP Cum 91.7 WOB mm/mx (kip) / 20 / 30 RPM rot/bit / 60 / 60 Bit HP 0.92 HSI 0.43 PSI Drop (psi) 73.33 Jet Vel (ft/s) 89.64 Imp Force 284.21				Item DIESEL Inv 9,129					
Pit Temp: Sand Cnt:												SOLIDS CONTROL					
Depth (ft): 15,018.03 MBT:												Skr Deck 1 Screens Deck 2 Screens					
Density (ppg): 10.40 pH: 9.0																	
FV (s/qt): 29 Pm (cc): 0.1																	
PV (cp): 1 Pf (cc)/Mf (cc): 0.0 / 0.1																	
YP (lb/100ft³): 1 Chloride (ppm): 171,000																	
Gels (l): 1/1 Calcium (ppm): 160.00																	
WL: LCM:																	
HTHP: ES (mV):																	
Cake: LGS (%): 4.20																	
Solids: Ex Lime (ppb):																	
ECD (ppg): 10.6 OWR:																	
MUD LOGGING																	
Trip Gas (units): 170 @ 1,070				BG Gas (units): 950				Surf to Surf:									
Conn Gas (units): 90 @ 1,429				Pore Pressure: (%)				Lag Strokes: (min)									
Form:								Grading I O D L B G O R									
								Bit # 4									
BHA # 4						STRING LOADS						MUD PUMPS					
Qty	Item Description		ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 24,000						#1 #2 #3				
1	ULTERRA U519M			8.750	1.00	1.00	Off Btm Torque: 8,000						Pump Type:				
1	NOV 1.83, 7/8 5.0 STG.		1.750	6.750	26.36	27.36	Str. Wt. Up: 230						Liner ID:				
1	FLOAT SUB		2.812	6.437	4.16	31.52	Str. Wt. Down: 80						SPM:				
1	MONEL D.C.		3.250	6.625	30.64	62.16	Str. Wt. Rot.: 140						GPM:				
1	MONEL D.C.		2.875	6.562	30.85	93.01	Max Over Pull:						SPR:				
48	RIG 5" D.P.			5.000	1,513.45	1,606.46	BHA Hrs: 4						1 SPM:				
1	AGITATOR		2.500	6.687	12.96	1,619.42	Jar Hrs:						Pressure:				
1	SHOCK SUB		2.250	6.812	10.81	1,630.23	Cum String Hours: 60						2 SPM:				
425	RIG 5" DP			5,000	13,387.80	15,018.03	Weight B Jars (kip):						Pressure:				
Total Length: 15,018.03												T GPM (gpm): 600 SPP (psi): 3,600					
												AV (DC): 431 AV (DP): 286					
SURVEYS																	
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)			
14,371		90.55		176.79		6,663		-7,843.57		1,184.34		-7,843.57		1.49			
14,466		88.88		177.14		6,663		-7,938.43		1,189.37		-7,938.43		1.80			
14,562		90.07		177.23		6,664		-8,034.31		1,194.08		-8,034.31		1.24			
14,657		91.43		175.82		6,663		-8,129.13		1,199.84		-8,129.13		2.06			
14,753		90.24		178.11		6,661		-8,224.97		1,204.92		-8,224.97		2.69			
14,848		91.65		180.04		6,660		-8,319.94		1,206.45		-8,319.94		2.52			
14,944		92.84		178.99		6,656		-8,415.86		1,207.26		-8,415.86		1.65			
14,969		92.79		178.55		6,655		-8,440.82		1,207.80		-8,440.82		1.77			
OPERATION DETAILS																	
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION										
06:00	10:00	4.00	P	DRLPRD	10	DRLLAT	DRILL LATERAL 14,611' - 15,018' (PTB= 15,018' MD, 92.79° INC, 181.79° AZM, 6,652' TVD, 8,543' VS, 7,757' TOTAL LATERAL)										
10:00	14:30	4.50	P	DRLPRD	15	CIRC	CIRCULATE AND CONDITION HOLE. (PUMP HI-VIS SWEEPS)										
14:30	15:00	0.50	P	DRLPRD	13	TRIP	SET BACK 10 STDs. D.P.										
15:00	06:00	15.00	P	DRLPRD	14	PULDSTR	LAY DOWN 5" D.P. & BHA. (RIH 10 STANDS DP & TWO STANDS 6 3/4" DC FROM DERRICK & LD SAME.)										
15:00	15:00	0.00	P	DRLPRD	42	OTHER	PUMP SLUG AND R.U. EXPRESS LAYDOWN MACH. (SAFETY MEETING W/ RIG AND LAYDOWN PERSONNEL.)										
Daily Operations Comments																	
MOTOR = NOV 1.83" FBH, 7/8, 5.0 STG, BIT TO GAMMA = 34', BIT TO SURVEY = 49', BIT TO BEND = 6.35', REVS/GAL = .29																	

