	<h2 style="text-align: center;">Daily Drilling Report Onshore</h2>		<b>Well Name/Wellbore No.:</b> UNIVERSITY EAST 4110BH/00		<b>Report Number:</b> 002																					
			<b>Country:</b> USA <b>State/OCSG:</b> TEXAS <b>Field/Permit#:</b> WOLFCAMP EAST <b>Supervisors:</b> JOHNNY CHATAGNIER / JEFF MILLION <b>Engineer/Manager:</b> MOTLEY, DEREK / DODD, BOB		<b>Report Date:</b> 12/08/2014 <b>Spud Date:</b> 12/09/2014 <b>Release Date:</b> <b>DFS:</b> 0.00 <b>DOL:</b> 1 <b>AFE Days:</b> 10 <b>Last BOP T.:</b> <b>Safety &amp; Environmental Incident:</b> No																					
<b>Depth md/tvd (ft):</b> 5,926.01 / 5,914.80 <b>Progress (ft):</b> 4,897.01 <b>ROP:</b> 4,897.0 / = 0.00 <b>Proposed TD (ft):</b> 14,657.00 <b>Next Csg Point (ft):</b> 14,657.03			<b>Rig:</b> PRECISION DRILLING/106 <b>Rig Phone:</b> 713-997-1205 <b>RKB (ft):</b> 2,662.01 <b>Ground Level (ft):</b> 2,633.0 <b>POB:</b> 28 <b>Total Man Hours:</b> 322.00		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Drig</th> <th style="width: 15%;">Comp</th> <th style="width: 15%;">Fac</th> <th style="width: 15%;">Total</th> </tr> </thead> <tbody> <tr> <td><b>AFE #:</b> 162378/52682</td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Day Cost(\$):</b> 142,325</td> <td>0</td> <td>0</td> <td>142,325</td> </tr> <tr> <td><b>Cum Cost(\$)</b> 538,187</td> <td>0</td> <td>0</td> <td>538,187</td> </tr> <tr> <td><b>AFE(\$):</b> 0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>		Drig	Comp	Fac	Total	<b>AFE #:</b> 162378/52682				<b>Day Cost(\$):</b> 142,325	0	0	142,325	<b>Cum Cost(\$)</b> 538,187	0	0	538,187	<b>AFE(\$):</b> 0	0	0	0
Drig	Comp	Fac	Total																							
<b>AFE #:</b> 162378/52682																										
<b>Day Cost(\$):</b> 142,325	0	0	142,325																							
<b>Cum Cost(\$)</b> 538,187	0	0	538,187																							
<b>AFE(\$):</b> 0	0	0	0																							
<b>Current Activity:</b> SKID RIG OVER TO UE 41-10BH. <b>24 Hr Summary:</b> SKID RIG OVER TO UE 41-10BH. REPAIR HYDRAULIC VALVE ON WALKING PACKAGE. DT 4 HOURS. SKID RIG OVER TO UE 41-10BH. <b>24 Hr Forecast:</b> SKID RIG OVER TO UE 41-10BH. NU BOPE. TEST BOPE. PU SIDEBUILD BHA. TIH TO 1,000'. DISPLACE WATER IN HOLE. DRILL FLOAT EQUIPMENT AND CEMENT. DRILL SIDEBUILD.																										

MUD PROPERTIES				MUD MATERIALS		BIT RECORD						CASING					
Fluids Co.: HALLIBURTON				D M Cost(\$): \$0.00		Bit#		S/N		Size (in)		Size(in)		MD(ft)/TVD(ft)		FIT/LOT(ppg)	
Fluids Eng: JEFF FRONK				C M Cost(\$): \$0.00								14.00		40.00 / 40.00			
Time: 8:15 Oil Cnt (%): 65				Mud Additives		Used		9.63		1,029.00 / 1,029.00							
Location: JCTION TANK H2O Cnt (%): 25								5.50		14,657.03 / 6,374.01							
Pit Temp (°F): 0 Sand Cnt (%): 0.00						Mfg		IADC Type									
Depth (ft): -2.00 MBT (lbm/bbl): 0.0						Model #		Jets				INVENTORY					
Density (ppg): 9.10 pH: 0.0												Item		Inv			
FV (s/qt): 68 Pm (cc): 0.0								Depth In (ft)				MUD DIESEL		9,701			
PV (cp): 18 Pf (cc)/Mf (cc): 0.0 / 0.0								Depth Out (ft)				RIG DIESEL		13,138			
YP (lb/100ft³): 16 Chloride (ppm): 0								Bit Rotations									
Gels (l): 10/14/20 Calcium (ppm): 0.00								On Btm Hrs Cum									
WL (cc/30min): 9.00 LCM (lbm/bbl): 0.0								Footage Cum (ft)									
HTHP (°F): 250 ES (mV): 487.0								ROP Cum									
Cake (32nd"): 2.00 LGS (%): 5.70								WOB mm/mx (kip)		/							
Solids (lbm/bbl): 12 Ex Lime (ppb): 2.6								RPM rot/bit		/							
ECD (ppg): 0.0 OWR: 72.3 / 27.7								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): @		BG Gas (units):	
Conn Gas (units) @		Surf to Surf:	
Form:		Lag Strokes:	
		Lag Time: (min)	
		Pore Pressure: 0 (%)	

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)
500	0.91	45.70	500	2.26	2.60	2.24	0.42
550	1.02	36.69	550	2.90	3.15	2.88	0.37
600	1.22	37.74	600	3.68	3.74	3.66	0.40
650	1.39	45.17	650	4.54	4.49	4.50	0.48
700	1.49	46.58	700	5.42	5.40	5.38	0.21
750	1.50	49.17	750	6.30	6.36	6.25	0.14
800	1.47	50.45	800	7.14	7.35	7.09	0.09
850	1.26	56.83	850	7.86	8.31	7.80	0.52

OPERATION DETAILS							
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
23:00	01:00	2.00	P	MIRU	01	MIRU	SKID RIG OVER TO UE 41-10BH.
01:00	05:00	4.00	N	MIRU	47	RROTHR	REPAIR HYDRAULIC VALVE ON WALKING PACKAGE.
05:00	06:00	1.00	P	MIRU	01	MIRU	SKID RIG OVER TO UE 41-10BH.

Daily Operations Comments
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<div>EP ENERGY</div> <div>Daily Drilling Report Onshore</div>		Well Name/Wellbore No.: UNIVERSITY EAST 4110BH/00		Report Number: 004															
		Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: JOHNNY CHATAGNIER / JEFF MILLIORE Engineer/Manager: MOTLEY, DEREK / DODD, BOB		Report Date: 12/10/2014 Spud Date: 12/09/2014 Release Date: DFS: 2.00 DOL: 3 AFE Days: 10 Last BOP T.: 12/08/2014 Safety & Environmental Incident: No															
Depth md/tvd (ft): 4,100.01 / 4,089.15		Rig: PRECISION DRILLING/106		Drig		Comp		Fac		Total									
Progress (ft): 3,071.01		Rig Phone: 713-997-1205		AFE #:		162378/52682													
ROP: 3,071.0 / 16.50 = 186.12		RKB: 2,662.01		Day Cost(\$):		112,124		0		112,124									
Proposed TD (ft): 14,657.00		Ground Level (ft): 2,633.0		Cum Cost(\$)		736,418		0		736,418									
Next Csg Point (ft): 14,657.03		POB: 32 Total Man Hours: 338.00		AFE(\$):		0		0		0									
Current Activity: DRILLING SIDEBUILD @ 4,100'. PTB: 1.10° AZM: 217.0° TVD 3,951'- 8' BEHIND- 12' RIGHT.																			
24 Hr Summary: DRILL CMT. AND FLOAT EQUIP. TO 1,029'. OBM CONTAMINATED BY F. WATER. SWAP OUT MUD IN TANKS W/ CLEAN MUD. DISPLACE CONTAMINATED MUD OUT OF HOLE W/ CLEAN MUD. SPUD WELL @ 12:30 HRS.. 12/9/2014. DRILL SIDEBUILD FROM 1,029' TO 4,100'.																			
24 Hr Forecast: DRILL SIDEBUILD. CIRC. HOLE CLEAN. TRIP FOR CURVE ASSEMBLY.																			
MUD PROPERTIES				MUD MATERIALS				BIT RECORD				CASING							
Fluids Co.: HALLIBURTON				D M Cost(\$): \$10,922.74				Bit#				Size(in)		MD(ft)/TVD(ft)		FIT/LOT(ppg)			
Fluids Eng: JEFF FRONK				C M Cost(\$): \$13,477.74				S/N				14.00		40.00 / 40.00					
Time: 3:00 Oil Cnt (%): 66				Mud Additives				Size (in)				9.63		1,029.00 / 1,029.00					
Location: JCTION TANK H2O Cnt (%): 24				ENGINEERING				Mfg				5.50		14,657.03 / 6,374.01					
Pit Temp (°F): 99 Sand Cnt (%): 0.00				INVERMUL				IADC Type											
Depth (ft): 29,850.06 MBT (lbm/bbl): 0.0				DURATONE HT				Model #											
Density (ppg): 8.95 pH: 0.0				CALCIUM CHLORIDE PO				Jets				5X22							
FV (s/qt): 56 Pm (cc): 0.0				DRILL TREAT				Depth In (ft)											
PV (cp): 11 Pf (cc)/Mf (cc): 0.0 / 0.0				BARABLOK				Depth Out (ft)											
YP (lb/100ft²): 9 Chloride (ppm): 0				LIME				Bit Rotations											
Gels (l): 6/11/14 Calcium (ppm): 0.00				GELTONE V				On Btm Hrs Cum											
WL (cc/30min): 10.00 LCM (lbm/bbl): 0.0				EZ MUL				Footage Cum (ft)											
HTHP (°F): 250 ES (mV): 517.0				BAROID RIG WASH				ROP Cum											
Cake (32nd"): 2.00 LGS (%): 7.20								WOB mn/mx (kip)				/ /							
Solids (lbm/bbl): 0 Ex Lime (ppb): 3.3								RPM rot/bit				/ /							
ECD (ppg): 9.1 OWR: 73.3 / 26.7								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): @				BG Gas (units):				Surf to Surf:											
Conn Gas (units): @								Lag Strokes:											
Form:				Pore Pressure: (%)				Lag Time: (min)											
BHA # 1												STRING LOADS				MUD PUMPS			
Qty	Item Description			ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque:				#1				#2		#3	
1	SECURITY MM56D - 3-22's				8.875	1.00	1.00	Off Btm Torque:				Pump				DR		DR	
1	1.5" FBH 7/8 5.0 PDM				6.750	25.99	26.99	Str. Wt. Up:				Type:							
	UBHO			2.750	6.500	2.78	29.77	Str. Wt. Down:				Liner ID:				6.00		6.00	
1	NMDC			3.250	6.750	31.58	61.35	Str. Wt. Rot.:				SPM:				70.00		70.00	
1	SPACER MONEL			2.875	6.750	30.82	92.17	Max Over Pull:				GPM:				293.02		293.02	
1	CROSSOVER			2.750	6.250	3.02	95.19					SPR:							
9	6 1/2" DRILL COLLARS			2.750	6.500	93.33	188.52					1 SPM:				50.00		30.00	
1	CROSSOVER			2.875	6.500	2.48	191.00					Pressure:				430.00		260.00	
144	DRILL PIPE			4.276	5.000	5,735.01	5,926.01					2 SPM:				30.00		50.00	
Total Length: 5,926.01											Pressure:				275.00		420.00		
											T GPM (gpm):				SPP (psi):				
											AV (DC): 427				AV (DP): 278				
SURVEYS																			
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)					
2,657		0.80		70.20		2,646		-102.91		106.29		-103.70		0.63					
2,845		1.40		90.10		2,834		-102.45		109.82		-103.26		0.37					
3,030		0.70		122.30		3,019		-103.03		113.04		-103.87		0.48					
3,217		0.90		90.90		3,206		-103.65		115.47		-104.50		0.25					
3,403		0.00		4.90		3,392		-103.66		116.93		-104.53		0.48					
3,591		0.70		87.00		3,580		-103.59		118.08		-104.47		0.37					
3,776		0.60		162.00		3,765		-104.44		119.51		-105.33		0.43					
3,962		0.80		226.30		3,951		-106.27		118.87		-107.15		0.41					
OPERATION DETAILS																			
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION												
06:00	06:30	0.50	P	CASSURF	32	DRLFLOAT	DRILL CMT. AND FLOAT EQUIP. TO 1,029'.												
06:30	11:30	5.00	N	CASSURF	59	CIRCSYST	OBM CONTAMINATED BY F. WATER. SWAP OUT MUD IN TANKS W/ CLEAN MUD.												
11:30	12:30	1.00	N	CASSURF	15	CIRC	DISPLACE CONTAMINATED MUD OUT OF HOLE W/ CLEAN MUD.												
12:30	16:30	4.00	P	DRLPRD	08	DRLDIR	DRILL SIDEBUILD FROM 1,029' TO 1,773'. SPUD WELL @ 12:30 HRS. 12/9/2014.												
16:30	17:00	0.50	P	DRLPRD	12	RIGSVC	RIG SERVICE.												
17:00	00:00	7.00	P	DRLPRD	08	DRLDIR	DRILL SIDEBUILD FROM 1,773' - 2,891'.												
00:00	00:30	0.50	P	DRLPRD	12	RIGSVC	RIG SERVICE.												
00:30	06:00	5.50	P	DRLPRD	08	DRLDIR	DRILL SIDEBUILD FROM 2,891' - 4,100'.												
Daily Operations Comments																			
6 3/4" PDM 1.5" FBH 7/8 5.0 SLICK -BTS: 46' BTG: 34' BTB: 4.04' RPG: .28 PLAN #1																			



[illegible]

 <b>Daily Drilling Report Onshore</b>		<b>Well Name/Wellbore No.:</b> UNIVERSITY EAST 4110BH/00				<b>Report Number:</b> 005															
		<b>Country:</b> USA				<b>Report Date:</b> 12/11/2014															
		<b>State/OCSG:</b> TEXAS				<b>Spud Date:</b> 12/09/2014															
		<b>Field/Permit#:</b> WOLFCAMP EAST				<b>Release Date:</b>															
		<b>Supervisors:</b> RICHARD JOHN / RANDY PICARD				<b>DFS:</b> 3.00		<b>DOL:</b> 4		<b>AFE Days:</b> 10											
		<b>Engineer/Manager:</b> MOTLEY, DEREK / DODD, BOB				<b>Last BOP T.:</b> 12/08/2014															
						<b>Safety &amp; Environmental Incident:</b> No															
Depth md/tvd (ft): 5,926.01 / 5,914.80		Rig: PRECISION DRILLING/106				Drig		Comp		Fac		Total									
Progress (ft): 1,826.00		Rig Phone: 713-997-1205				AFE #:		162378/52682													
ROP: 1,826.0 / 15.50 = 117.81		RKB (ft): 2,662.01				Day Cost(\$):		71,389		0		71,389									
Proposed TD (ft): 14,657.00		Ground Level (ft): 2,633.0				Cum Cost(\$)		807,807		0		807,807									
Next Csg Point (ft): 14,657.03		POB: 30 Total Man Hours: 330.00				AFE(\$):		0		0		0									
Current Activity: TIH W/ CURVE ASSEMBLY.																					
24 Hr Summary: RIG SERVICE. DRILL SIDEBUILD FROM 4,100' - 5,926'. C&C. CHECK FLOW. PUMP SLUG. POOH. C/O BHA. P/U CURVE BHA. TIH.																					
24 Hr Forecast: TIH W/ CURVE ASSEMBLY. BUILD CURVE.																					
MUD PROPERTIES				MUD MATERIALS				BIT RECORD				CASING									
Fluids Co.: HALLIBURTON				D M Cost(\$): \$2,028.99				Bit# 1				Size(in)		MD(ft)/TVD(ft)		FIT/LOT(ppg)					
Fluids Eng: JEFF FRONK				C M Cost(\$): \$15,506.73				S/N 12553130				14.00		40.00 / 40.00							
Time: 3:00 Oil Cnt (%): 68				Mud Additives				Size (in) 8.75				9.63		1,029.00 / 1,029.00							
Location: JCTION TANK				DURATONE HT				SECURITY DBS				5.50		14,657.03 / 6,374.01							
Pit Temp (°F) 91 Sand Cnt (%): 0.00				DRILL TREAT				Mfg													
Depth (ft): 5,926.01 MBT (lbm/bbl): 0.0				LIME				IADC Type													
Density (ppg): 8.80 pH: 0.0				ENGINEERING				Model #													
FV (s/qt): 5 Pm (cc): 0.0				BARABLOK				Jets				5X22									
PV (cp): 12 Pf (cc)/Mf (cc): 0.0 / 0.0								Depth In (ft)				1,029									
YP (lbf/100ft²): 8 Chloride (ppm): 0								Depth Out (ft)				5,926									
Gels (l): 6/10/12 Calcium (ppm): 0.00								Bit Rotations				50/60									
WL (cc/30min): 10.00 LCM (lbm/bbl): 0.0								On Btm Hrs Cum				31.00									
HTHP (°F): 250 ES (mV): 508.0								Footage Cum (ft)				3,652									
Cake (32nd"): 2.00 LGS (%): 4.80								ROP Cum				117.8									
Solids (lbm/bbl): 0 Ex Lime (ppb): 2.5								WOB mn/mx (kip)				8 / 28									
ECD (ppg): 9.2 OWR: 73.4 / 26.6								RPM rot/bit				50 / 60									
								Bit HP				0.65									
								HSI				0.35									
								PSI Drop (psi)				67.54									
								Jet Vel (ft/s)				92.62									
								Imp Force				226.25									
								Grading				I O D L B G O R									
								Bit #													
								Bit # 1				1 1 NO A X 1 NOBHA									
MUD LOGGING																					
Trip Gas (units): @		BG Gas (units):		Surf to Surf:																	
Conn Gas (units): @				Lag Strokes:																	
Form:		Pore Pressure: (%)		Lag Time: (min)																	
BHA # 2														STRING LOADS				MUD PUMPS			
Qty	Item Description			ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 9,000				Pump		#1	#2	#3					
1	HUGHES				8.750	1.00	1.00	Off Btm Torque: 2,500				Type: DR		DR							
1	6.75", 2.12" 4/5 7.0 SLICK, FBH, RE				6.625	27.00	28.00	Str. Wt. Up: 135				Liner ID: 6.00		6.00							
1	UBHO			3.125	6.500	2.78	30.78	Str. Wt. Down: 125				SPM: 64.00		64.00							
1	MWD			3.250	6.750	31.58	62.36	Str. Wt. Rot.: 130				GPM: 267.91		267.91							
1	NM DC			2.875	6.750	30.82	93.18	Max Over Pull:				SPR:									
Total Length: 93.18																					
BHA PROPERTIES														T GPM (gpm): 560		SPP (psi): 1,870					
BHA Hrs: 16														AV (DC): 427		AV (DP): 278					
Jar Hrs:																					
Cum String Hours: 16																					
Weight B Jars (kip):																					
SURVEYS																					
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)							
4,705		3.10		217.90		4,694		-116.44		109.76		-117.25		1.62							
4,890		1.00		310.30		4,879		-119.38		105.45		-120.16		1.78							
5,076		0.60		302.30		5,065		-117.82		103.39		-118.59		0.22							
5,263		0.10		269.90		5,252		-117.31		102.40		-118.07		0.28							
5,450		0.40		200.70		5,439		-117.92		102.01		-118.68		0.20							
5,637		1.20		28.40		5,626		-116.80		102.71		-117.56		0.85							
5,822		1.30		31.80		5,811		-113.30		104.73		-114.08		0.07							
5,880		1.20		36.80		5,869		-112.25		105.44		-113.03		0.25							
OPERATION DETAILS																					
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION														
06:00	06:30	0.50	P	DRLPRD	12	RIGSVC	RIG SERVICE.														
06:30	22:00	15.50	P	DRLPRD	08	DRLDIR	DRILL SIDEBUILD FROM 4,100' - 5,927'.														
22:00	23:30	1.50	P	DRLPRD	15	CIRC	CIRCULATE & CONDITION. CHECK FLOW. PUMP SLUG.														
23:30	03:30	4.00	P	DRLPRD	13	TRIP	POOH W/ DIRECTIONAL BHA.														
03:30	05:30	2.00	P	DRLPRD	14	PULDSTR	C/O BHA. P/U CURVE ASSEMBLY.														
05:30	06:00	0.50	P	DRLPRD	13	TRIP	TIH W/ CURVE ASSEMBLY.														
Daily Operations Comments																					
6 3/4" PDM 2.12" FBH 4/5 7.0 SLICK -BTS: 47' BTG: 35' BTB: 4.00' RPG: .49 PLAN #1																					







EP ENERGY		Daily Drilling Report Onshore		Well Name/Wellbore No.: UNIVERSITY EAST 4110BH/00				Report Number: 005													
				Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: RICHARD JOHN / RANDY PICARD Engineer/Manager: MOTLEY, DEREK / DODD, BOB				Report Date: 12/11/2014 Spud Date: 12/09/2014 Release Date: DFS: 3.00 DOL: 4 AFE Days: 10 Last BOP T.: 12/08/2014 Safety & Environmental Incident: No													
Depth md/tvd (ft): 5,926.01 / 5,914.78				Rig: PRECISION DRILLING/106				Drig		Comp		Fac		Total							
Progress (ft): 1,826.00				Rig Phone: 713-997-1205				AFE #:		162378/52682											
ROP: 1,826.0 / 15.50 = 117.81				RKB (ft): 2,662.01				Day Cost(\$):		71,389		0		71,389							
Proposed TD (ft): 14,657.00				Ground Level (ft): 2,633.0				Cum Cost(\$)		807,807		0		807,807							
Next Csg Point (ft): 14,657.03				POB: 30 Total Man Hours: 330.00				AFE(\$):		0		0		0							
Current Activity: TIH W/ CURVE ASSEMBLY.																					
24 Hr Summary: RIG SERVICE. DRILL SIDEBUILD FROM 4,100' - 5,926'. C&C. CHECK FLOW. PUMP SLUG. POOH. C/O BHA. P/U CURVE BHA. TIH.																					
24 Hr Forecast: TIH W/ CURVE ASSEMBLY. BUILD CURVE.																					
MUD PROPERTIES				MUD MATERIALS				BIT RECORD				CASING									
Fluids Co.: HALLIBURTON				D M Cost(\$): \$2,028.99				Bit# 1				Size(in)		MD(ft)/TVD(ft)		FIT/LOT(ppg)					
Fluids Eng: JEFF FRONK				C M Cost(\$): \$15,506.73				S/N 12553130				14.00		40.00 / 40.00							
Time: 3:00 Oil Cnt (%): 68				Mud Additives				Size (in) 8.75				9.63		1,029.00 / 1,029.00							
Location: JCTION TANK				DURATONE HT				SECURITY DBS				5.50		14,657.03 / 6,374.01							
Pit Temp (°F) 91				DRILL TREAT				IADC Type													
Depth (ft): 5,926.01				LIME				Model #													
Density (ppg): 8.80				ENGINEERING				JETS													
FV (s/qt): 5				BARABLOK				5X22													
PV (cp): 12								Depth In (ft) 1,029													
YP (lb/100ft²): 8								Depth Out (ft) 5,926													
Gels (l): 6/10/12								Bit Rotations 50/60													
WL (cc/30min): 10.00								On Btm Hrs Cum 31.00													
HTHP (°F): 250								Footage Cum (ft) 3,652													
Cake (32nd"): 2.00								ROP Cum 117.8													
Solids (lbm/bbl): 0								WOB mn/mx (kip) 8 / 28													
ECD (ppg): 9.2								RPM rot/bit 50 / 60													
								Bit HP 0.65													
								HSI 0.35													
								PSI Drop (psi) 67.54													
								Jet Vel (ft/s) 92.62													
								Imp Force 226.25													
MUD LOGGING								Grading				I O D L B G O R									
Trip Gas (units): @				BG Gas (units):				Surf to Surf:													
Conn Gas (units): @								Lag Strokes:													
Form:				Pore Pressure: (%)				Lag Time: (min)													
								Bit #													
								Bit # 1				1 1 NO A X 1 NOBHA									
BHA # 2						STRING LOADS						MUD PUMPS									
Qty		Item Description		ID (in)		OD (in)		Len (ft)		Cum (ft)		On Btm Torque: 9,000				#1		#2		#3	
1		HUGHES				8.750		1.00		1.00		Off Btm Torque: 2,500				Pump		DR		DR	
1		6.75", 2.12" 4/5 7.0 SLICK, FBH, RE				6.625		27.00		28.00		Str. Wt. Up: 135				Type:					
1		UBHO		3.125		6.500		2.78		30.78		Str. Wt. Down: 125				Liner ID: 6.00		6.00			
1		MWD		3.250		6.750		31.58		62.36		Str. Wt. Rot.: 130				SPM: 64.00		64.00			
1		NM DC		2.875		6.750		30.82		93.18		Max Over Pull:				GPM: 267.91		267.91			
Total Length: 93.18																					
												BHA PROPERTIES									
												BHA Hrs: 16									
												Jar Hrs:									
												Cum String Hours: 16									
												Weight B Jars (kip):									
												On Btm Torque: 9,000									
												Off Btm Torque: 2,500									
												Str. Wt. Up: 135									
												Str. Wt. Down: 125									
												Str. Wt. Rot.: 130									
												Max Over Pull:									
												MUD PUMPS									
												#1									
												#2									
												#3									
												Pump									
												Type:									
												Liner ID: 6.00									
												6.00									
												SPM: 64.00									
												64.00									
												GPM: 267.91									
												267.91									
												SPR:									
												1 SPM: 50.00									
												30.00									
												Pressure: 445.00									
												250.00									
												2 SPM: 30.00									
												50.00									
												Pressure: 255.00									
												425.00									
												T GPM (gpm): 560									
												SPP (psi): 1,870									
												AV (DC): 427									
												AV (DP): 278									
SURVEYS																					
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)							
4,705		3.10		217.90		4,694		-116.44		109.76		-117.25		1.62							
4,890		1.00		310.30		4,879		-119.38		105.45		-120.16		1.78							
5,076		0.60		302.30		5,065		-117.82		103.39		-118.59		0.22							
5,263		0.10		269.90		5,252		-117.31		102.40		-118.07		0.28							
5,450		0.40		200.70		5,439		-117.92		102.01		-118.68		0.20							
5,637		1.20		28.40		5,626		-116.80		102.71		-117.56		0.85							
5,822		1.30		31.80		5,811		-113.30		104.73		-114.08		0.07							
5,880		1.20		36.80		5,869		-112.25		105.44		-113.03		0.25							
OPERATION DETAILS																					
FROM		TO		HRS		OP CODE		PHASE		CODE		ACTIVITY		DESCRIPTION							
06:00		06:30		0.50		P		DRLPRD		12		RIGSVC		RIG SERVICE.							
06:30		22:00		15.50		P		DRLPRD		08		DRLDIR		DRILL SIDEBUILD FROM 4,100' - 5,927'.							
22:00		23:30		1.50		P		DRLPRD		15		CIRC		CIRCULATE & CONDITION. CHECK FLOW. PUMP SLUG.							
23:30		03:30		4.00		P		DRLPRD		13		TRIP		POOH W/ DIRECTIONAL BHA.							
03:30		05:30		2.00		P		DRLPRD		14		PULDSTR		C/O BHA. P/U CURVE ASSEMBLY.							
05:30		06:00		0.50		P		DRLPRD		13		TRIP		TIH W/ CURVE ASSEMBLY.							
Daily Operations Comments																					
6 3/4" PDM 2.12" FBH 4/5 7.0 SLICK -BTS: 47' BTG: 35' BTB: 4.00' RPG: .49 PLAN #1																					







<div>EP ENERGY</div> <div>Daily Drilling Report Onshore</div>		<div>Well Name/Wellbore No.: UNIVERSITY EAST 4110BH/00</div> <div>Country: USA State/OCSG TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: RICHARD JOHN / RANDY PICARD Engineer/Manager: MOTLEY, DEREK / DODD, BOB</div>		<div>Report Number: 008 Report Date: 12/14/2014 Spud Date: 12/09/2014 Release Date: DFS: 6.00 DOL: 7 AFE Days: 10 Last BOP T.: 12/08/2014 Safety &amp; Environmental Incident: No</div>																																																																																																																							
<div>Depth md/tvd (ft): 8,496.02/ 6,355.57 Progress (ft): 1,852.00 ROP: 1,852.0 / 13.00 = 142.46 Proposed TD (ft): 14,657.00 Next Csg Point (ft): 14,657.03</div>		<div>Rig: PRECISION DRILLING/106 Rig Phone: 713-997-1205 RKB (ft): 2,662.01 Ground Level (ft): 2,633.0 POB: 27 Total Man Hours: 314.00</div>		<table><tr><td></td><td>Drig</td><td>Comp</td><td>Fac</td><td>Total</td></tr><tr><td>AFE #:</td><td>162378/52682</td><td></td><td></td><td></td></tr><tr><td>Day Cost(\$):</td><td>77.375</td><td>0</td><td>0</td><td>77.375</td></tr><tr><td>Cum Cost(\$)</td><td>1,082,560</td><td>0</td><td>0</td><td>1,082,560</td></tr><tr><td>AFE(\$):</td><td>1,819,048</td><td>3,932,000</td><td>350,000</td><td>6,101,048</td></tr></table>			Drig	Comp	Fac	Total	AFE #:	162378/52682				Day Cost(\$):	77.375	0	0	77.375	Cum Cost(\$)	1,082,560	0	0	1,082,560	AFE(\$):	1,819,048	3,932,000	350,000	6,101,048																																																																																													
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<div>Current Activity: DRILLING LATERAL. PTB @ 8,496' 89.5 INC. 1.50 AZI. 13.5' BELOW, 18.5' LEFT. LATERAL STARTS @ 6,645' MD. 24 Hr Summary: REPLACE BAYLOR BRAKE. DRILL AHEAD IN THE LATERAL 6,644' - 8,496'. 24 Hr Forecast: DRILL AHEAD IN THE LATERAL.</div>																																																																																																																											
<div>MUD PROPERTIES</div> <div>Fluids Co.: HALLIBURTON Fluids Eng: JEFF FRONK Time: 3:00 Oil Cnt (%): 66 Location: JCTION TANK H2O Cnt (%): 24 Pit Temp (°F): 78 Sand Cnt (%): 0.00 Depth (ft): 6,644.01 MBT (lbm/bbl): 0.0 Density (ppg): 9.00 pH: 0.0 FV (s/qt): 64 Pm (cc): 0.0 PV (cp): 16 Pf (cc)/Mf (cc): 0.0 / 0.0 YP (lb/100ft²): 10 Chloride (ppm): 0 Gels (l): 8/14/15 Calcium (ppm): 0.00 WL (cc/30min): 10.00 LCM (lbm/bbl): 0.0 HTHP (°F): 250 ES (mV): 518.0 Cake (32nd"): 2.00 LGS (%): 6.10 Solids (lbm/bbl): 0 Ex Lime (ppb): 3.2 ECD (ppg): 9.4 OWR: 72.7 / 27.1</div>		<div>MUD MATERIALS</div> <div>D M Cost(\$): \$6,319.84 C M Cost(\$): \$50,920.23 Mud Additives Used LIME 33 BARABLOK 4 DRILL TREAT 5 DURATONE HT 4 INVERMUL 1 EZ MUL 1 SHRINK WRAP (OR STRC 8 TRANSPORTATION - 1CV 323 GELTONE V 17 FUEL SURCHARGE 120 ENGINEERING 1</div>		<div>BIT RECORD</div> <div>Bit# 3 S/N 21618 Size (in) 8.75 Mfg ULTERRA IADC Type Model # U519S Jets 7X18 Depth In (ft) 6,644 Depth Out (ft) 14,649 Bit Rotations 55/210 On Btm Hrs Cum 13.00 Footage Cum (ft) 1,852 ROP Cum 142.5 WOB mn/mx (kip) 8 / 26 RPM rot/bit 55 / 210 Bit HP 0.78 HSI 0.45 PSI Drop (psi) 83.63 Jet Vel (ft/s) 101.91 Imp Force 262.57 Grading I O D L B G O R Bit # Bit # 3 7 2 BT C X 1 WT TD</div>		<div>CASING</div> <table><tr><td>Size(in)</td><td>MD(ft)/TVD(ft)</td><td>FIT/LOT(ppg)</td></tr><tr><td>14.00</td><td>40.00 / 40.00</td><td></td></tr><tr><td>9.63</td><td>1,029.00 / 1,029.00</td><td></td></tr><tr><td>5.50</td><td>14,657.03 / 6,374.01</td><td></td></tr></table> <div>INVENTORY</div> <table><tr><td>Item</td><td>Inv</td></tr><tr><td>MUD DIESEL</td><td>9,186</td></tr><tr><td>RIG DIESEL</td><td>13,331</td></tr></table> <div>SOLIDS CONTROL</div> <table><tr><td>Skr</td><td>Deck 1 Screens</td><td>Deck 2 Screens</td></tr><tr><td>1</td><td>100/100//</td><td></td></tr><tr><td>2</td><td>100/100//</td><td></td></tr></table>		Size(in)	MD(ft)/TVD(ft)	FIT/LOT(ppg)	14.00	40.00 / 40.00		9.63	1,029.00 / 1,029.00		5.50	14,657.03 / 6,374.01		Item	Inv	MUD DIESEL	9,186	RIG DIESEL	13,331	Skr	Deck 1 Screens	Deck 2 Screens	1	100/100//		2	100/100//																																																																																										
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<div>BHA # 3</div> <table><tr><td>Qty</td><td>Item Description</td><td>ID (in)</td><td>OD (in)</td><td>Len (ft)</td><td>Cum (ft)</td></tr><tr><td>1</td><td>ULTERRA U519S</td><td></td><td>8.750</td><td>1.00</td><td>1.00</td></tr><tr><td>1</td><td>6 3/4" 1.50" 7/8 5.0 .28 RPG FBH M</td><td>1.750</td><td>6.750</td><td>25.81</td><td>26.81</td></tr><tr><td>1</td><td>UBHO SUB</td><td>2.750</td><td>6.500</td><td>2.78</td><td>29.59</td></tr><tr><td>1</td><td>NMDC</td><td>3.250</td><td>6.750</td><td>31.58</td><td>61.17</td></tr><tr><td>1</td><td>NMDC</td><td>2.875</td><td>6.750</td><td>30.82</td><td>91.99</td></tr><tr><td>75</td><td>5" DP</td><td>4.276</td><td>5.000</td><td>2,327.50</td><td>2,419.49</td></tr><tr><td>1</td><td>DRILLING AGITATOR</td><td>2.625</td><td>6.625</td><td>12.98</td><td>2,432.47</td></tr><tr><td>1</td><td>SHOCK SUB</td><td>2.875</td><td>6.500</td><td>11.13</td><td>2,443.60</td></tr><tr><td>393</td><td>5" DP</td><td>4.276</td><td>5.000</td><td>12,205.42</td><td>14,649.03</td></tr><tr><td colspan="4">Total Length:</td><td colspan="2">14,649.03</td></tr></table>		Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	1	ULTERRA U519S		8.750	1.00	1.00	1	6 3/4" 1.50" 7/8 5.0 .28 RPG FBH M	1.750	6.750	25.81	26.81	1	UBHO SUB	2.750	6.500	2.78	29.59	1	NMDC	3.250	6.750	31.58	61.17	1	NMDC	2.875	6.750	30.82	91.99	75	5" DP	4.276	5.000	2,327.50	2,419.49	1	DRILLING AGITATOR	2.625	6.625	12.98	2,432.47	1	SHOCK SUB	2.875	6.500	11.13	2,443.60	393	5" DP	4.276	5.000	12,205.42	14,649.03	Total Length:				14,649.03		<div>STRING LOADS</div> <div>On Btm Torque: 14,000 Off Btm Torque: 8,500 Str. Wt. Up: 160 Str. Wt. Down: 110 Str. Wt. Rot.: 135 Max Over Pull: BHA PROPERTIES BHA Hrs: 13 Jar Hrs: Cum String Hours: 13 Weight B Jars (kip):</div>		<div>MUD PUMPS</div> <table><tr><td></td><td>#1</td><td>#2</td><td>#3</td></tr><tr><td>Pump</td><td>DR</td><td>DR</td><td></td></tr><tr><td>Type:</td><td></td><td></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>66.00</td><td>66.00</td><td></td></tr><tr><td>GPM:</td><td>276.28</td><td>276.28</td><td></td></tr><tr><td>SPR:</td><td></td><td></td><td></td></tr><tr><td>1 SPM:</td><td>50.00</td><td>50.00</td><td></td></tr><tr><td>Pressure:</td><td>805.00</td><td>790.00</td><td></td></tr><tr><td>2 SPM:</td><td>30.00</td><td>30.00</td><td></td></tr><tr><td>Pressure:</td><td>550.00</td><td>540.00</td><td></td></tr><tr><td colspan="2">T GPM (gpm): 550</td><td colspan="2">SPP (psi): 3,575</td></tr><tr><td colspan="2">AV (DC): 397</td><td colspan="2">AV (DP): 264</td></tr></table>			#1	#2	#3	Pump	DR	DR		Type:				Liner ID:	6.00	6.00		SPM:	66.00	66.00		GPM:	276.28	276.28		SPR:				1 SPM:	50.00	50.00		Pressure:	805.00	790.00		2 SPM:	30.00	30.00		Pressure:	550.00	540.00		T GPM (gpm): 550		SPP (psi): 3,575		AV (DC): 397		AV (DP): 264	
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<div>SURVEYS</div> <table><tr><td>MD (ft)</td><td>Inclination(°)</td><td>Azimuth (°)</td><td>TVD (ft)</td><td>V Section (ft)</td><td>+E/-W (ft)</td><td>+N/-S (ft)</td><td>Dog Leg (°/100ft)</td></tr><tr><td>7,702</td><td>91.70</td><td>359.40</td><td>6,358</td><td>1,414.74</td><td>99.36</td><td>1,414.43</td><td>2.53</td></tr><tr><td>7,795</td><td>92.40</td><td>1.30</td><td>6,354</td><td>1,507.67</td><td>99.93</td><td>1,507.37</td><td>2.18</td></tr><tr><td>7,888</td><td>88.80</td><td>359.80</td><td>6,353</td><td>1,600.65</td><td>100.82</td><td>1,600.34</td><td>4.19</td></tr><tr><td>7,981</td><td>88.90</td><td>359.70</td><td>6,355</td><td>1,693.63</td><td>100.42</td><td>1,693.32</td><td>0.15</td></tr><tr><td>8,075</td><td>90.50</td><td>0.60</td><td>6,356</td><td>1,787.62</td><td>100.66</td><td>1,787.31</td><td>1.95</td></tr><tr><td>8,167</td><td>90.70</td><td>359.00</td><td>6,355</td><td>1,879.61</td><td>100.34</td><td>1,879.31</td><td>1.75</td></tr><tr><td>8,260</td><td>88.50</td><td>356.70</td><td>6,355</td><td>1,972.52</td><td>96.85</td><td>1,972.23</td><td>3.42</td></tr><tr><td>8,352</td><td>88.60</td><td>359.20</td><td>6,358</td><td>2,064.42</td><td>93.57</td><td>2,064.13</td><td>2.72</td></tr></table>								MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)	7,702	91.70	359.40	6,358	1,414.74	99.36	1,414.43	2.53	7,795	92.40	1.30	6,354	1,507.67	99.93	1,507.37	2.18	7,888	88.80	359.80	6,353	1,600.65	100.82	1,600.34	4.19	7,981	88.90	359.70	6,355	1,693.63	100.42	1,693.32	0.15	8,075	90.50	0.60	6,356	1,787.62	100.66	1,787.31	1.95	8,167	90.70	359.00	6,355	1,879.61	100.34	1,879.31	1.75	8,260	88.50	356.70	6,355	1,972.52	96.85	1,972.23	3.42	8,352	88.60	359.20	6,358	2,064.42	93.57	2,064.13	2.72																																												
MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)																																																																																																																				
7,702	91.70	359.40	6,358	1,414.74	99.36	1,414.43	2.53																																																																																																																				
7,795	92.40	1.30	6,354	1,507.67	99.93	1,507.37	2.18																																																																																																																				
7,888	88.80	359.80	6,353	1,600.65	100.82	1,600.34	4.19																																																																																																																				
7,981	88.90	359.70	6,355	1,693.63	100.42	1,693.32	0.15																																																																																																																				
8,075	90.50	0.60	6,356	1,787.62	100.66	1,787.31	1.95																																																																																																																				
8,167	90.70	359.00	6,355	1,879.61	100.34	1,879.31	1.75																																																																																																																				
8,260	88.50	356.70	6,355	1,972.52	96.85	1,972.23	3.42																																																																																																																				
8,352	88.60	359.20	6,358	2,064.42	93.57	2,064.13	2.72																																																																																																																				
<div>OPERATION DETAILS</div> <table><tr><td>FROM</td><td>TO</td><td>HRS</td><td>OP CODE</td><td>PHASE</td><td>CODE</td><td>ACTIVITY</td><td>DESCRIPTION</td></tr><tr><td>06:00</td><td>17:00</td><td>11.00</td><td>N</td><td>DRLPRD</td><td>44</td><td>RRHOIST</td><td>CHANGE OUT ELMAGCO BRAKE ON DRAWWORKS.</td></tr><tr><td>17:00</td><td>06:00</td><td>13.00</td><td>P</td><td>DRLPRD</td><td>10</td><td>DRLLAT</td><td>DRILL LATERAL 6,644' - 8,496'.</td></tr></table>								FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION	06:00	17:00	11.00	N	DRLPRD	44	RRHOIST	CHANGE OUT ELMAGCO BRAKE ON DRAWWORKS.	17:00	06:00	13.00	P	DRLPRD	10	DRLLAT	DRILL LATERAL 6,644' - 8,496'.																																																																																												
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17:00	06:00	13.00	P	DRLPRD	10	DRLLAT	DRILL LATERAL 6,644' - 8,496'.																																																																																																																				
<div>Daily Operations Comments</div> <div>6 3/4" PDM 1.75" FBH 7/8 5.0 SLICK -BTS: 50' BTG: 37' BTB: 3.96' RPG: .28 PLAN #1</div>																																																																																																																											



<div>EP ENERGY</div> <div>Daily Drilling Report Onshore</div>		<div>Well Name/Wellbore No.: UNIVERSITY EAST 4110BH/00</div> <div>Country: USA State/OCSG TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: RICHARD JOHN / RANDY PICARD Engineer/Manager: MOTLEY, DEREK / DODD, BOB</div>		<div>Report Number: 008 Report Date: 12/14/2014 Spud Date: 12/09/2014 Release Date: DFS: 6.00 DOL: 7 AFE Days: 10 Last BOP T.: 12/08/2014 Safety &amp; Environmental Incident: No</div>																										
<div>Depth md/tvd (ft): 8,496.02/ 6,361.25 Progress (ft): 1,852.00 ROP: 1,852.0 / 13.00 = 142.46 Proposed TD (ft): 14,657.00 Next Csg Point (ft): 14,657.03</div>		<div>Rig: PRECISION DRILLING/106 Rig Phone: 713-997-1205 RKB (ft): 2,662.01 Ground Level (ft): 2,633.0 POB: 27 Total Man Hours: 314.00</div>		<table><tr><td></td><td>Drig</td><td>Comp</td><td>Fac</td><td>Total</td></tr><tr><td>AFE #:</td><td>162378/52682</td><td></td><td></td><td></td></tr><tr><td>Day Cost(\$):</td><td>76,088</td><td>0</td><td>0</td><td>76,088</td></tr><tr><td>Cum Cost(\$)</td><td>1,077,772</td><td>0</td><td>0</td><td>1,077,772</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 #:	162378/52682				Day Cost(\$):	76,088	0	0	76,088	Cum Cost(\$)	1,077,772	0	0	1,077,772	AFE(\$):	0	0	0	0
	Drig	Comp	Fac	Total																										
AFE #:	162378/52682																													
Day Cost(\$):	76,088	0	0	76,088																										
Cum Cost(\$)	1,077,772	0	0	1,077,772																										
AFE(\$):	0	0	0	0																										
<div>Current Activity: DRILLING LATERAL. PTB @ 8,496' 89.5 INC. 1.50 AZI. 13.5' BELOW, 18.5' LEFT. LATERAL STARTS @ 6,645' MD. 24 Hr Summary: REPLACE BAYLOR BRAKE. DRILL AHEAD IN THE LATERAL 6,644' - 8,496'. 24 Hr Forecast: DRILL AHEAD IN THE LATERAL.</div>																														
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING																								
Fluids Co.: HALLIBURTON Fluids Eng: JEFF FRONK		D M Cost(\$): \$6,319.84 C M Cost(\$): \$50,920.23		Bit# 3 S/N 21618 Size (in) 8.75 Mfg ULTERRA IADC Type Model # U519S  Jets 7X18  Depth In (ft) 6,644 Depth Out (ft) Bit Rotations 55/210 On Btm Hrs Cum 13.00 Footage Cum (ft) 1,852 ROP Cum 142.5 WOB mn/mx (kip) 8 / 26 RPM rot/bit 55 / 210 Bit HP 0.78 HSI 0.45 PSI Drop (psi) 83.63 Jet Vel (ft/s) 101.91 Imp Force 262.57		Size(in) MD(ft)/TVD(ft) FIT/LOT(ppg) 14.00 40.00 / 40.00 9.63 1,029.00 / 1,029.00 5.50 14,657.03 / 6,374.01																								
Time: 3:00 Oil Cnt (%): 66 Location: JCTION TANK H2O Cnt (%): 24 Pit Temp (°F) 78 Sand Cnt (%): 0.00 Depth (ft): 6,644.01 MBT (lbm/bbl): 0.0 Density (ppg): 9.00 pH: 0.0 FV (s/qt): 64 Pm (cc): 0.0 PV (cp): 16 Pf (cc)/Mf (cc): 0.0 / 0.0 YP (lb/100ft²): 10 Chloride (ppm): 0 Gels (l): 8/14/15 Calcium (ppm): 0.00 WL (cc/30min): 10.00 LCM (lbm/bbl): 0.0 HTHP (°F): 250 ES (mV): 518.0 Cake (32nd"): 2.00 LGS (%): 6.10 Solids (lbm/bbl): 0 Ex Lime (ppb): 3.2 ECD (ppg): 9.4 OWR: 72.7 / 27.1		Mud Additives Used LIME 33 BARABLOK 4 DRILL TREAT 5 DURATONE HT 4 INVERMUL 1 EZ MUL 1 SHRINK WRAP (OR STRC 8 TRANSPORTATION - 1CV 323 GELTONE V 17 FUEL SURCHARGE 120 ENGINEERING 1				INVENTORY Item Inv MUD DIESEL 9,186 RIG DIESEL 13,331																								
MUD LOGGING						SOLIDS CONTROL																								
Trip Gas (units): @ Conn Gas (units) @ Form:		BG Gas (units):  Pore Pressure: (%)		Surf to Surf: Lag Strokes: Lag Time: (min)		Skr Deck 1 Screens Deck 2 Screens 1 35/35// 2 35/35//																								
BHA # 3				STRING LOADS		MUD PUMPS																								
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 14,000 Off Btm Torque: 8,500 Str. Wt. Up: 160 Str. Wt. Down: 110 Str. Wt. Rot.: 135 Max Over Pull:	#1 #2 #3 Pump DR DR Type: Liner ID: 6.00 6.00 SPM: 66.00 66.00 GPM: 276.28 276.28 SPR: 1 SPM: 50.00 50.00 Pressure: 805.00 790.00 2 SPM: 30.00 30.00 Pressure: 550.00 540.00 T GPM (gpm): 550 SPP (psi): 3,575 AV (DC): 397 AV (DP): 264																							
1	ULTERRA U519S		8.750	1.00	1.00																									
1	6 3/4" 1.50" 7/8 5.0 .28 RPG FBH M	1.750	6.750	25.81	26.81																									
1	UBHO SUB	2.750	6.500	2.78	29.59																									
1	NMDC	3.250	6.750	31.58	61.17																									
1	NMDC	2.875	6.750	30.82	91.99																									
75	5" DP	4.276	5.000	2,327.50	2,419.49																									
1	DRILLING AGITATOR	2.625	6.625	12.98	2,432.47																									
1	SHOCK SUB	2.875	6.500	11.13	2,443.60																									
	5" DP	4.276	5.000	6,052.41	8,496.02																									
				Total Length:	8,496.02																									
				BHA PROPERTIES																										
				BHA Hrs: 13 Jar Hrs: Cum String Hours: 13 Weight B Jars (kip):																										
SURVEYS																														
MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)																							
7,702	91.70	359.40	6,358	1,415.13	99.36	1,414.43	2.53																							
7,795	92.40	1.30	6,354	1,508.06	99.93	1,507.37	2.18																							
7,888	88.80	359.80	6,353	1,601.04	100.82	1,600.34	4.19																							
7,981	88.90	359.70	6,355	1,694.02	100.42	1,693.32	0.15																							
8,075	90.50	0.60	6,356	1,788.01	100.66	1,787.31	1.95																							
8,167	90.70	359.00	6,355	1,880.00	100.34	1,879.31	1.75																							
8,260	88.50	356.70	6,355	1,972.89	96.85	1,972.23	3.42																							
8,352	88.60	359.20	6,358	2,064.77	93.57	2,064.13	2.72																							
OPERATION DETAILS																														
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																							
06:00	17:00	11.00	N	DRLPRD	44	RRHOIST	CHANGE OUT ELMAGCO BRAKE ON DRAWWORKS.																							
17:00	06:00	13.00	P	DRLPRD	10	DRLLAT	DRILL LATERAL 6,644' - 8,496'.																							
Daily Operations Comments																														
6 3/4" PDM 1.75" FBH 7/8 5.0 SLICK -BTS: 50' BTG: 37' BTB: 3.96' RPG: .28 PLAN #1																														

<div><div></div><div>EP ENERGY</div></div>		Daily Drilling Report Onshore		Well Name/Wellbore No.: UNIVERSITY EAST 4110BH/00		Country: USA State/OCSG TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: RICHARD JOHN / RANDY PICARD Engineer/Manager: MOTLEY, DEREK / DODD, BOB		Report Number: 009 Report Date: 12/15/2014 Spud Date: 12/09/2014 Release Date: DFS: 7.00 DOL: 8 AFE Days: 10 Last BOP T.: 12/08/2014 Safety & Environmental Incident: No							
Depth md/tvd (ft): 11,194.02 / 6,348.01 Progress (ft): 2,698.01 ROP: 2,698.0 / 23.50 = 114.81 Proposed TD (ft): 14,657.00 Next Csg Point (ft): 14,657.03				Rig: PRECISION DRILLING/106 Rig Phone: 713-997-1205 RKB (ft): 2,662.01 Ground Level (ft): 2,633.0 POB: 27 Total Man Hours: 314.00				Drlg Comp Fac Total AFE #: 162378/52682 Day Cost(\$): 57,406 0 0 57,406 Cum Cost(\$): 1,135,178 0 0 1,135,178 AFE(\$): 1,819,048 3,932,000 350,000 6,101,048							
Current Activity: DRILLING LATERAL. PTB @ 11,194' 89.8 INC. 1.30 AZI. 9.8' BELOW, 12.0' RIGHT. LATERAL STARTS @ 6,645' MD. 24 Hr Summary: DRILL LATERAL 8,496' - 9,891'. SERVICE RIG, TDS & DRAWWORKS. DRILL LATERAL 9,891' - 11,194'. 24 Hr Forecast: DRILL AHEAD IN THE LATERAL.															
MUD PROPERTIES		MUD MATERIALS		BIT RECORD				CASING							
Fluids Co.: HALLIBURTON Fluids Eng: JEFF FRONK Time: 3:00 Oil Cnt (%): 66 Location: JCTION TANK H2O Cnt (%): 24 Pit Temp (°F): 128 Sand Cnt (%): 0.00 Depth (ft): 10,534.02 MBT (lbm/bbl): 0.0 Density (ppg): 9.40 pH: 0.0 FV (s/qt): 64 Pm (cc): 0.0 PV (cp): 21 Pf (cc)/Mf (cc): 0.0 / 0.0 YP (lb/100ft²): 18 Chloride (ppm): 0 Gels (:): 14/20/25 Calcium (ppm): 0.00 WL (cc/30min): 10.00 LCM (lbm/bbl): 0.0 HTHP (°F): 250 ES (mV): 518.0 Cake (32nd"): 2.00 LGS (%): 4.20 Solids (lbm/bbl): 0 Ex Lime (ppb): 4.1 ECD (ppg): 10.3 OWR: 73.1 / 26.9		D M Cost(\$): \$4,637.82 C M Cost(\$): \$55,558.05 Mud Additives Used EZ MUL 1 DURATONE HT 7 DRILL TREAT 6 ENGINEERING 1 BARABLOK 7 LIME 25 INVERMUL 1		Bit# 3 S/N 21618 Size (in) 8.75 Mfg ULTRERRA IADC Type U519S Model #  Jets 7X18  Depth In (ft) 6,644 Depth Out (ft) Bit Rotations 65/220 On Btm Hrs Cum 36.50 Footage Cum (ft) 4,550 ROP Cum 124.7 WOB mn/mx (kip) / 16 / 28 RPM rot/bit / 65 / 220 Bit HP 0.68 HSI 0.39 PSI Drop (psi) 77.08 Jet Vel (ft/s) 95.74 Imp Force 242.01				Size(in) MD(ft)/TVD(ft) FIT/LOT(ppg) 14.00 40.00 / 40.00 9.63 1,029.00 / 1,029.00 5.50 14,657.03 / 6,374.01							
INVENTORY															
Item Inv MUD DIESEL 3,990 RIG DIESEL 10,356															
SOLIDS CONTROL															
Skr		Deck 1 Screens			Deck 2 Screens										
1		35/35//													
2		35/35//													
MUD LOGGING															
Trip Gas (units): @		BG Gas (units):		Surf to Surf:											
Conn Gas (units) @				Lag Strokes:											
Form:		Pore Pressure: (%)		Lag Time: (min)		Grading I O D L B G O R									
						Bit #									
						Bit # 3									
BHA # 3						STRING LOADS		MUD PUMPS							
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 18,500 Off Btm Torque: 12,000 Str. Wt. Up: 185 Str. Wt. Down: 65 Str. Wt. Rot.: 145 Max Over Pull:		Pump #1 #2 #3 Type: DR DR Liner ID: 6.00 6.00 SPM: 62.00 62.00 GPM: 259.54 259.54 SPR: 1 SPM: 40.00 30.00 Pressure: 610.00 555.00 2 SPM: 30.00 50.00 Pressure: 560.00 810.00 T GPM (gpm): 550 SPP (psi): 4,025 AV (DC): 397 AV (DP): 264							
1	ULTRERRA U519S		8.750	1.00	1.00										
1	6 3/4" 1.50" 7/8 5.0 .28 RPG FBH M	1.750	6.750	25.81	26.81										
1	UBHO SUB	2.750	6.500	2.78	29.59										
1	NMDC	3.250	6.750	31.58	61.17										
1	NMDC	2.875	6.750	30.82	91.99										
75	5" DP	4.276	5.000	2,327.50	2,419.49										
1	DRILLING AGITATOR	2.625	6.625	12.98	2,432.47										
1	SHOCK SUB	2.875	6.500	11.13	2,443.60										
282	5" DP	4.276	5.000	10,556.42	13,000.03										
					Total Length:	13,000.03									
						BHA PROPERTIES									
						BHA Hrs: 24 Jar Hrs: Cum String Hours: 37 Weight B Jars (kip):									
SURVEYS															
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)	
10,398		90.10		2.20		6,342		4,108.82		102.09		4,108.18		2.99	
10,491		89.30		3.60		6,342		4,201.73		106.79		4,201.06		1.73	
10,585		89.20		3.80		6,344		4,295.57		112.86		4,294.85		0.24	
10,678		89.90		4.60		6,344		4,388.36		119.67		4,387.60		1.14	
10,772		89.80		4.20		6,345		4,482.14		126.88		4,481.32		0.44	
10,865		89.20		0.60		6,345		4,575.06		130.78		4,574.22		3.92	
10,958		89.50		0.70		6,346		4,668.06		131.83		4,667.21		0.34	
11,051		89.80		1.30		6,347		4,761.05		133.45		4,760.19		0.72	
OPERATION DETAILS															
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION								
06:00	17:00	11.00	P	DRLPRD	10	DRLLAT	DRILL LATERAL 8,496' - 9,891'.								
17:00	17:30	0.50	P	DRLPRD	12	RIGSVC	SERVICE RIG, TDS & DRAWWORKS.								
17:30	06:00	12.50	P	DRLPRD	10	DRLLAT	DRILL LATERAL 9,891' - 11,194'.								
Daily Operations Comments 6 3/4" PDM 1.75" FBH 7/8 5.0 SLICK -BTS: 50' BTG: 37' BTB: 3.96' RPG: .28 PLAN #1															

<div>EP ENERGY</div> <div>Daily Drilling Report Onshore</div>		Well Name/Wellbore No.: UNIVERSITY EAST 4110BH/00				Report Number: 009											
		Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: RICHARD JOHN / RANDY PICARD Engineer/Manager: MOTLEY, DEREK / DODD, BOB				Report Date: 12/15/2014 Spud Date: 12/09/2014 Release Date: DFS: 7.00 DOL: 8 AFE Days: 10 Last BOP T.: 12/08/2014 Safety & Environmental Incident: No											
Depth md/tvd (ft): 11,194.02 / 6,347.45						Rig: PRECISION DRILLING/106		Drlg		Comp		Fac		Total			
Progress (ft): 2,698.01						Rig Phone: 713-997-1205		AFE #:		162378/52682							
ROP: 2,698.0 / 23.50 = 114.81						RKB (ft): 2,662.01		Day Cost(\$):		57,406		0		57,406			
Proposed TD (ft): 14,657.00						Ground Level (ft): 2,633.0		Cum Cost(\$)		1,135,178		0		1,135,178			
Next Csg Point (ft): 14,657.03						POB: 27 Total Man Hours: 314.00		AFE(\$):		0		0		0			
Current Activity: DRILLING LATERAL. PTB @ 11,194' 89.8 INC. 1.30 AZI. 9.8' BELOW, 12.0' RIGHT. LATERAL STARTS @ 6,645' MD.																	
24 Hr Summary: DRILL LATERAL 8,496' - 9,891'. SERVICE RIG, TDS & DRAWWORKS. DRILL LATERAL 9,891' - 11,194'.																	
24 Hr Forecast: DRILL AHEAD IN THE LATERAL.																	
MUD PROPERTIES				MUD MATERIALS				BIT RECORD				CASING					
Fluids Co.: HALLIBURTON				D M Cost(\$): \$4,637.82				Bit#		3		Size(in)		MD(ft)/TVD(ft)		FIT/LOT(ppg)	
Fluids Eng: JEFF FRONK				C M Cost(\$): \$55,558.05				S/N		21618		14.00		40.00 /		40.00	
Time: 3:00 Oil Cnt (%): 66				Mud Additives				Size (in)		8.75		9.63		1,029.00 /		1,029.00	
Location: JCTION TANK H2O Cnt (%): 24				EZ MUL				Mfg		ULTERRA		5.50		14,657.03 /		6,374.01	
Pit Temp (°F): 128 Sand Cnt (%): 0.00				DURATONE HT				IADC Type									
Depth (ft): 10,534.02 MBT (lbm/bbl): 0.0				DRILL TREAT				Model #		U519S							
Density (ppg): 9.40 pH: 0.0				ENGINEERING				Jets		7X18							
FV (s/qt): 64 Pm (cc): 0.0				BARABLOK				Depth In (ft)		6,644							
PV (cp): 21 Pf (cc)/Mf (cc): 0.0 / 0.0				LIME				Depth Out (ft)									
YP (lb/100ft²): 18 Chloride (ppm): 0				INVERMUL				Bit Rotations		65/220							
Gels (l): 14/20/25 Calcium (ppm): 0.00								On Btm Hrs Cum		36.50							
WL (cc/30min): 10.00 LCM (lbm/bbl): 0.0								Footage Cum (ft)		4,550							
HTHP (°F): 250 ES (mV): 518.0								ROP Cum		124.7							
Cake (32nd"): 2.00 LGS (%): 4.20								WOB mn/mx (kip)		/							
Solids (lbm/bbl): 0 Ex Lime (ppb): 4.1								RPM rot/bit		/							
ECD (ppg): 10.3 OWR: 73.1 / 26.9								Bit HP		0.68							
								HSI		0.39							
								PSI Drop (psi)		77.08							
								Jet Vel (ft/s)		95.74							
								Imp Force		242.01							
								Grading		I O D L B G O R							
								Bit #									
								Bit # 3									
MUD LOGGING																	
Trip Gas (units): @				BG Gas (units):				Surf to Surf:									
Conn Gas (units): @								Lag Strokes:									
Form:				Pore Pressure: (%)				Lag Time: (min)									
BHA # 3						STRING LOADS						MUD PUMPS					
Qty	Item Description			ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque:		18,500		Pump		#1	#2	#3	
1	ULTERRA U519S				8.750	1.00	1.00	Off Btm Torque:		12,000		Type:		DR	DR		
1	6 3/4" 1.50" 7/8 5.0 .28 RPG FBH M			1.750	6.750	25.81	26.81	Str. Wt. Up:		185		Liner ID:		6.00	6.00		
1	UBHO SUB			2.750	6.500	2.78	29.59	Str. Wt. Down:		65		SPM:		62.00	62.00		
1	NMDC			3.250	6.750	31.58	61.17	Str. Wt. Rot.:		145		GPM:		259.54	259.54		
1	NMDC			2.875	6.750	30.82	91.99	Max Over Pull:				SPR:					
75	5" DP			4.276	5.000	2,327.50	2,419.49					1 SPM:		40.00	30.00		
1	DRILLING AGITATOR			2.625	6.625	12.98	2,432.47					Pressure:		610.00	555.00		
1	SHOCK SUB			2.875	6.500	11.13	2,443.60					2 SPM:		30.00	50.00		
282	5" DP			4.276	5.000	8,750.42	11,194.02					Pressure:		560.00	810.00		
Total Length: 11,194.02							BHA PROPERTIES										
							BHA Hrs:		24								
							Jar Hrs:										
							Cum String Hours:		37								
							Weight B Jars (kip):										
T GPM (gpm): 550 SPP (psi): 4,025																	
AV (DC): 397 AV (DP): 264																	
SURVEYS																	
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)			
10,398		90.10		2.20		6,342		4,108.82		102.09		4,108.18		2.99			
10,491		89.30		3.60		6,342		4,201.73		106.79		4,201.06		1.73			
10,585		89.20		3.80		6,344		4,295.57		112.86		4,294.85		0.24			
10,678		89.90		4.60		6,344		4,388.36		119.67		4,387.60		1.14			
10,772		89.80		4.20		6,345		4,482.14		126.88		4,481.32		0.44			
10,865		89.20		0.60		6,345		4,575.06		130.78		4,574.22		3.92			
10,958		89.50		0.70		6,346		4,668.06		131.83		4,667.21		0.34			
11,051		89.80		1.30		6,347		4,761.05		133.45		4,760.19		0.72			
OPERATION DETAILS																	
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION										
06:00	17:00	11.00	P	DRLPRD	10	DRLLAT	DRILL LATERAL 8,496' - 9,891'.										
17:00	17:30	0.50	P	DRLPRD	12	RIGSVC	SERVICE RIG, TDS & DRAWWORKS.										
17:30	06:00	12.50	P	DRLPRD	10	DRLLAT	DRILL LATERAL 9,891' - 11,194'.										
Daily Operations Comments																	
6 3/4" PDM 1.75" FBH 7/8 5.0 SLICK -BTS: 50' BTG: 37' BTB: 3.96' RPG: .28 PLAN #1																	





















