


<div>EP ENERGY</div> Daily Drilling Report Onshore						Well Name/Wellbore No.: UNIVERSITY EAST 4108HH/OH Country: USA State/OC SG TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: GARTH STARR / RICHARD JOHN Engineer/Manager: MOTLEY, DEREK / MANGUM, DANNY							Report Number: 002 Report Date: 07/30/2014 Spud Date: Release Date: DFS: 0.00 DOL: 1 AFE Days: 10 Last BOP T.: Safety & Environmental Incident: No											
Depth md/tvd (ft): 978.00 / 977.99						Rig: NORAM/21									Drlg		Comp		Fac		Total			
Progress:						Rig Phone: 713-997-1265							AFE #:		161184/52165									
ROP: / = 0.00						RKB (ft): 2,696.51							Day Cost(\$):		28,560		0		0		28,560			
Proposed TD (ft): 15,000.00						Ground Level (ft): 2,667.0							Cum Cost(\$)		366,260		0		0		366,260			
Next Csg Point (ft): 978.00						POB: 29 Total Man Hours: 350.00							AFE(\$):		0		0		0		0			
Current Activity: R/U ON THE UNIV 4108 HH																								
24 Hr Summary: SKID TO UNIV 4108 HH, R/U																								
24 Hr Forecast: N/U BOPE AND TEST SAME, P/U BHA #1, TIH, DISPLACE H2O WITH OBM, DRILL SHOE TRACK, DRILL AHEAD IN BACK BUILD																								
MUD PROPERTIES						MUD MATERIALS				BIT RECORD						CASING								
Fluids Co.:						D 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 Grading I O D L B G O R Bit # Bit #						Size(in)		MD(ft)/TVD(ft)				FIT/LOT(ppg)		
Fluids Eng:						C M Cost(\$): \$0.00										14.00		69.00 / 69.00						
Time:						OilCnt: Mud Additives Used										9.63		978.00 / 978.00						
Location:						H2O Cnt:				Gels // Calcium: WL: ES (mV): Cake: LGS: Solids: Ex Lime (ppb): ECD: OWR:						INVENTORY								
Pit Temp:						Sand Cnt:										Item Inv								
Depth:						MBT:										MUD DIESEL 2,602								
Density:						pH:										RIG DIESEL 11,614								
FV:						Pm:																		
PV:						Pf/Mf: /																		
YP:						Chloride:																		
Solids:						// Calcium:																		
ECD:						LCM:																		
						ES (mV):																		
						LGS:																		
						Ex Lime (ppb):																		
						OWR:																		
MUD LOGGING																								
Trip Gas (units): @ BG Gas (units): Surf to Surf: Lag Strokes: Form: @ Pore Pressure: (%) Lag Time: (min)						Grading I O D L B G O R Bit # Bit #																		
															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)																
324		0.20	308.40	324	-0.45	-1.28	-0.44	0.34																
424		0.29	255.14	424	-0.41	-1.66	-0.39	0.23																
524		0.15	341.35	524	-0.35	-1.95	-0.33	0.32																
624		0.14	198.45	624	-0.34	-2.03	-0.33	0.27																
724		0.35	304.15	724	-0.29	-2.32	-0.27	0.41																
824		0.12	310.18	824	-0.05	-2.65	-0.03	0.23																
899		0.61	150.79	899	-0.35	-2.52	-0.33	0.96																
0		0.00	0.00	0	0.00	0.00	0.00	0.00																
OPERATION DETAILS																								
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																	
00:00	04:30	4.50	P	MIRU	01	MIRU	PREP RIG FOR SKID, WHILE TRYING TO PULL THE MOUSEHOLE ONE OF THE EYES ON THE BUSHING PULLER BROKE SENDING BOTH AIR HOIST TO THE CROWN, HAD TO FISH AIR HOIST OUT OF THE CROWN SHEAVES, SKID OVER THE UNIV 4108 HH																	
04:30	06:00	1.50	P	MIRU	01	MIRU	RIG UP ON THE UNIV 4108 HH, SET CATWALK AND FLOWLINE WITH POLE TRUCK																	
Daily Operations Comments																								

<div>EP ENERGY</div> <div>Daily Drilling Report Onshore</div>		Well Name/Wellbore No.: UNIVERSITY EAST 4108HH/OH				Report Number: 004															
		Country: USA				Report Date: 08/01/2014															
		State/OCSG TEXAS				Spud Date: 07/30/2014															
		Field/Permit#: WOLFCAMP EAST				Release Date:															
		Supervisors: GARTH STARR / RICHARD JOHN				DFS: 2.00 DOL: 3 AFE Days: 10															
Engineer/Manager: MOTLEY, DEREK / MANGUM, DANNY				Last BOP T.: 07/30/2014				Safety & Environmental Incident: No													
Depth md/tvd (ft): 5,987.01 / 5,937.65				Rig: NORAM/21				Drig		Comp		Fac		Total							
Progress (ft): 3,135.01				Rig Phone: 713-997-1265				AFE #:		161184/52165											
ROP: 3,135.0 / 23.00 = 136.30				RKB (ft): 2,696.51				Day Cost(\$):		79,047		0		79,047							
Proposed TD (ft): 15,000.00				Ground Level (ft): 2,667.0				Cum Cost(\$)		532,624		0		532,624							
Next Csg Point (ft): 14,910.03				POB: 28 Total Man Hours: 316.00				AFE(\$):		0		0		0							
Current Activity: CIRC & COND HOLE PTB: INC: 0.9°, AZM: 117.1°, TVD: 5966', 4.3'-AHEAD, 13.8'- LEFTT PROJ KOP = 5994'																					
24 Hr Summary: DRILLED AHEAD IN THE BACKBUILD, RIG SERVICE, DRILL BACKBUILD, CIRC & COND HOLE																					
24 Hr Forecast: TOOH, L/D BHA #1 AND P/U CURVE ASSY, TIH, DRILL AHEAD IN THE CURVE																					
MUD PROPERTIES				MUD MATERIALS				BIT RECORD				CASING									
Fluids Co.: BAROID				D M Cost(\$): \$9,134.63				Bit# 1		Size(in)		MD(ft)/TVD(ft)		FIT/LOT(ppg)							
Fluids Eng: ANDRE ROBERT				C M Cost(\$): \$10,696.85				S/N 12429767		14.00		69.00 / 69.00									
Time: 23:06 Oil Cnt (%): 65				Mud Additives				Size (in) 8.75		9.63		978.00 / 978.00									
Location: JCTION TANK H2O Cnt (%): 27				ENGINEERING				HALLIBURTON		5.50		14,910.03 / 6,430.01									
Pit Temp (°F): 130 Sand Cnt:				DURATONE HT				IADC Type													
Depth (ft): 4,117.01 MBT:				DRILL TREAT				Model #													
Density (ppg): 9.10 pH:				INVERMUL				Jets													
FV (s/qt): 52 Pm:				EZ MUL				5X16													
PV (cp): 13 Pp/Mf: /				FUEL SURCHARGE				Depth In (ft) 978													
YP (lb/100ft²): 16 Chloride:				LIME				Bit Rotations 40/190													
Gels (l): 11/13/16 Calcium:				TRANSPORTATION				On Btm Hrs Cum 34.50													
WL: 8.00 LCM:				GELTONE V				Footage Cum (ft) 5,009													
HTHP (°F): 250 ES (mV): 712.0				CALCIUM CHLORIDE PO				ROP Cum 145.2													
Cake: 3.00 LGS (%): 2.70				SHRINK WRAP				WOB mn/mx (kip) / 10 / 25													
Solids: Ex Lime (ppb): 3.2								RPM rot/bit / 40 / 190													
ECD: OWR: 70.7 / 29.3								Bit HP 0.59													
								HSI 0.60													
								PSI Drop (psi) 149.76													
								Jet Vel (ft/s) 135.62													
								Imp Force 265.35													
MUD LOGGING								Grading		I O D L B G O R											
Trip Gas (units): @ BG Gas (units):				Surf to Surf:				Bit #													
Conn Gas (units): @				Lag Strokes:				Bit # 1													
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: 8,500		Pump		#1		#2		#3	
1		HALLIBURTON MM56D				8.758		1.00		1.00		Off Btm Torque: 2,500		Type: DR							
1		1.5" FBH 7/8 5.7 PDM MUD MOTC				6.750		31.63		32.63		Str. Wt. Up: 165		Liner ID: 6.00		6.00					
1		UBHO		2.750		6.500		2.81		35.44		Str. Wt. Down: 150		SPM: 50.00		50.00					
1		NMDC		3.250		6.875		30.84		66.28		Str. Wt. Rot.: 160		GPM: 209.30		209.30					
1		SPACER MONEL		2.812		6.750		28.84		95.12		Max Over Pull: 5		SPR: 1 SPM: 50.00		40.00					
1		CROSSOVER		2.875		6.312		3.62		98.74				Pressure: 600.00		500.00					
3		6 1/2" DRILL COLLARS		2.875		6.500		91.32		190.06				2 SPM: 40.00		30.00					
1		CROSSOVER		2.437		6.500		2.67		192.73				Pressure: 500.00		400.00					
Total Length:										192.73		BHA PROPERTIES									
										BHA Hrs: 23											
										Jar Hrs:											
										Cum String Hours: 37											
										Weight B Jars (kip):											
												T GPM (gpm): 415				SPP (psi): 1,600					
												AV (DC):				AV (DP):					
SURVEYS																					
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)							
2,041		7.60		344.30		2,033		-114.99		-36.64		115.10		0.99							
2,137		7.90		341.50		2,128		-127.34		-40.45		127.47		0.50							
2,232		8.30		337.60		2,222		-139.86		-45.14		140.00		0.72							
2,327		7.50		336.30		2,316		-151.86		-50.24		152.02		0.86							
2,421		7.40		333.50		2,410		-162.88		-55.41		163.05		0.40							
2,517		8.00		334.50		2,505		-174.42		-61.05		174.62		0.64							
2,612		7.70		343.80		2,599		-186.49		-65.67		186.69		1.37							
2,707		8.40		335.20		2,693		-198.88		-70.35		199.11		1.46							
OPERATION DETAILS																					
FROM		TO		HRS		OP CODE		PHASE		CODE		ACTIVITY		DESCRIPTION							
06:00		17:30		11.50		P		DRLPRD		08		DRLDIR		DRILL BACKBUILD FROM 2852' TO 4815'							
17:30		18:00		0.50		P		DRLPRD		12		RIGSVC		SERVICE RIG AND TOP DRIVE							
18:00		05:30		11.50		P		DRLPRD		08		DRLDIR		DRILL BACKBUILD FROM 4815' TO 5987'							
05:30		06:00		0.50		P		DRLPRD		15		CIRC		CIRC AND COND HOLE FOR TRIP							
Daily Operations Comments																					
WPS- 296,849 MOTOR: HUNTING 1.5 DEG 7/8 5.7 SLICK .24 RPG MAX DIFF: 1000# GAMMA: 39' SURVEY: 50'												RECOVERED 30 BBLS OBM TO SYSTEM, CUMULATIVE RECOVERED 30 BBLS.									

<div>EP ENERGY</div> <div>Daily Drilling Report Onshore</div>		Well Name/Wellbore No.: UNIVERSITY EAST 4108HH/OH				Report Number: 005											
		Country: USA				Report Date: 08/02/2014											
		State/OCSG: TEXAS				Spud Date: 07/30/2014											
		Field/Permit#: WOLFCAMP EAST				Release Date:											
		Supervisors: GARTH STARR / RICHARD JOHN				DFS: 3.00		DOL: 4		AFE Days: 10							
Engineer/Manager: MOTLEY, DEREK / MANGUM, DANNY				Last BOP T.: 07/30/2014				Safety & Environmental Incident: No									
Depth md/tvd (ft): 6,426.01 / 6,344.52		Rig: NORAM/21				Drig		Comp		Fac		Total					
Progress (ft): 439.00		Rig Phone: 713-997-1265				AFE #:		161184/52165									
ROP: 439.0 / 10.50 = 41.81		RKB (ft): 2,696.51				Day Cost(\$):		126,212		0		126,212					
Proposed TD (ft): 15,000.00		Ground Level (ft): 2,667.0				Cum Cost(\$)		658,836		0		658,836					
Next Csg Point (ft): 14,910.03		POB: 29		Total Man Hours: 313.00		AFE(\$):		0		0		0					
Current Activity: DRILLING THE CURVE AT 6426' PTB: INC: 52.5°, AZM: 182.2°, TVD: 6344', 9.5'-AHEAD, 8.4'- LEFT, BRN = 11.2																	
24 Hr Summary: TOOH, L/D BHA #1 AND P/U CURVE ASSY, SLIP & CUT DRILL LINE, RIG SERVICE, TIH, DRILL AHEAD IN THE CURVE																	
24 Hr Forecast: LAND THE CURVE, TOOH, L/D BHA #2 AND P/U THE LATERAL ASSY, TIH, DRILL AHEAD IN THE LATERAL																	
MUD PROPERTIES				MUD MATERIALS				BIT RECORD				CASING					
Fluids Co.: BAROID				D M Cost(\$): \$10,472.45				Bit# 1 2				Size(in) MD(ft)/TVD(ft) FIT/LOT(ppg)					
Fluids Eng: ANDRE ROBERT				C M Cost(\$): \$21,169.30				S/N 12429767 RD1511				14.00 69.00 / 69.00					
Time: 23:06 Oil Cnt (%): 26				Mud Additives Used				Size (in) 8.75 8.75				9.63 978.00 / 978.00					
Location: JCTION TANK				GELTONE V 11				Mfg HALLIBURTON SMITH				5.50 14,910.03 / 6,430.01					
Pit Temp (°F): 100 Sand Cnt: 66				OBM RENTAL 1,758				IADC Type									
Depth (ft): 5,987.01 MBT:				EZ MUL 1				Model # MM56D FH121									
Density (ppg): 9.00 pH:				DURATONE HT 9				Jets 5X16 3X18									
FV (s/qt): 53 Pm:				LIME 50				Depth In (ft) 978 5,987									
PV (cp): 12 P/Mf:				CALCIUM CHLORIDE PO 56				Depth Out (ft) 5,987 6,743									
YP (lb/100ft²): 17 Chloride:				ENGINEERING 1				Bit Rotations / 20/270									
Gels (l): 11/14/17 Calcium:				BARITE 80				On Btm Hrs Cum 10.50									
WL: 8.00 LCM:				INVERMUL 1				Footage Cum (ft) 439									
HTHP (°F): 250 ES (mV): 793.0				BARITE 41 20				ROP Cum 145.2 41.8									
Cake: 3.00 LGS (%): 3.10								WOB mn/mx (kip) / 10 / 35									
Solids: Ex Lime (ppb): 5.2								RPM rot/bit / 20 / 270									
ECD: OWR: 71.7 / 28.3								Bit HP 0.60 1.35									
								HSI 0.61 1.81									
								PSI Drop (psi) 150.70 372.84									
								Jet Vel (ft/s) 136.80 215.18									
								Imp Force 267.02 501.66									
								Grading I O D L B G O R									
								Bit # 1 1 1 WT G X I WT BHA									
								Bit # 2 1 1 LT M 1 I NOBHA									
MUD LOGGING																	
Trip Gas (units): 788 @ 788				BG Gas (units): 576				Surf to Surf:									
Conn Gas (units) 581 @ 595								Lag Strokes:									
Form:				Pore Pressure: (%)				Lag Time: (min)									
BHA # 2																	
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	STRING LOADS								MUD PUMPS			
1	SMITH FH121		8.750	1.00	1.00	On Btm Torque:								#1 #2 #3			
1	HUNTING 2.12° 4/5 7.0 SLICK PDM		7.000	27.62	28.62	Off Btm Torque:								Pump DR DR			
1	UBHO	2.750	6.500	2.81	31.43	Str. Wt. Up:								Type:			
1	MWD	3.250	6.875	30.84	62.27	Str. Wt. Down:								Liner ID: 6.00 6.00			
1	NM FLEX DC	2.812	6.750	30.67	92.94	Str. Wt. Rot.:								SPM: 60.00 60.00			
Total Length: 92.94						Max Over Pull:								GPM: 251.16 251.16			
						BHA PROPERTIES								SPR:			
						BHA Hrs:								1 SPM: 30.00 50.00			
						Jar Hrs:								Pressure: 400.00 525.00			
						Cum String Hours: 37								2 SPM: 50.00 30.00			
						Weight B Jars (kip):								Pressure: 525.00 400.00			
														T GPM (gpm): 209 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)			
6,126		17.60		183.30		6,103		-273.42		-98.94		273.73		10.97			
6,158		21.20		180.90		6,133		-262.80		-99.31		263.11		11.52			
6,189		24.90		181.10		6,162		-250.66		-99.52		250.98		11.94			
6,221		28.90		181.10		6,190		-236.19		-99.80		236.50		12.50			
6,253		33.00		181.20		6,218		-219.74		-100.13		220.05		12.81			
6,284		36.70		181.40		6,243		-202.03		-100.53		202.35		11.94			
6,316		39.70		181.90		6,268		-182.25		-101.10		182.57		9.42			
6,348		43.30		182.20		6,292		-161.06		-101.86		161.38		11.27			
OPERATION DETAILS																	
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION										
06:00	06:30	0.50	P	DRLPRD	15	CIRC	CIRC AND COND HOLE										
06:30	11:00	4.50	P	DRLPRD	13	TRIP	TOOH TO BHA, DRILL PIPE WAS EXTREMELY TIGHT										
11:00	13:30	2.50	P	DRLPRD	14	PULDSTR	L/D BHA #1, CLEAN OBM FROM RIG FLOOR, P/U BHA #2										
13:30	15:00	1.50	P	DRLPRD	17	CUTSLIP	SLIP AND CUT DRILL LINE										
15:00	15:30	0.50	P	DRLPRD	12	RIGSVC	SERVICE RIG AND TOP DRIVE										
15:30	19:30	4.00	P	DRLPRD	13	TRIP	TIH TO 5987' FILLING PIPE EVERY 30 STDs, TESTED MWD TOOLS AT 1100'										
19:30	06:00	10.50	P	DRLPRD	09	DRLCRV	DRILL CURVE FROM 5987' TO 6426'										
Daily Operations Comments																	
WPS- 283,267 MOTOR: HUNTING 2.12 DEG 4/5 7.0 SLICK .50 RPG MAX DIFF: 1000# GAMMA: 35' SURVEY: 46' RECOVERED 0 BBLS OBM TO SYSTEM, CUMULATIVE RECOVERED 30 BBLS.																	

<div>EP ENERGY</div> <div>Daily Drilling Report Onshore</div>		Well Name/Wellbore No.: UNIVERSITY EAST 4108HH/OH		Report Number: 006						
		Country: USA		Report Date: 08/03/2014						
		State/OCSG: TEXAS		Spud Date: 07/30/2014						
		Field/Permit#: WOLFCAMP EAST		Release Date:						
		Supervisors: GARTH STARR / RICHARD JOHN		DFS: 4.00 DOL: 5 AFE Days: 10						
		Engineer/Manager: MOTLEY, DEREK / MANGUM, DANNY		Last BOP T.: 07/30/2014						
				Safety & Environmental Incident: No						
Depth md/tvd (ft): 7,340.01 / 6,443.62		Rig: NORAM/21		Drig		Comp	Fac	Total		
Progress (ft): 914.00		Rig Phone: 713-997-1265		AFE #:		161184/52165				
ROP: 914.0 / 13.00 = 70.31		RKB (ft): 2,696.51		Day Cost(\$):		109,171		0 109,171		
Proposed TD (ft): 15,000.00		Ground Level (ft): 2,667.0		Cum Cost(\$):		768,007		0 768,007		
Next Csg Point (ft): 14,910.03		POB: 30 Total Man Hours: 320.00		AFE(\$):		0		0 0		
Current Activity: DRILLING IN THE LATERAL AT 7340' PTB: INC: 89.8°, AZM: 178.4°, TVD: 6443', 5.2'- ABOVE, 11.1'- LEFT 85° = 6703', TOTAL LATERAL = 637'										
24 Hr Summary: LAND THE CURVE, TOOHO, L/D BHA #2 AND P/U THE LATERAL ASSY, TIH, DRILL AHEAD IN THE LATERAL										
24 Hr Forecast: DRILL AHEAD IN THE LATERAL										
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING				
Fluids Co.: BAROID		D M Cost(\$): \$11,392.02		Bit# 2 3		Size(in)		MD(ft)/TVD(ft)	Fit/LOT(ppg)	
Fluids Eng: ANDRE ROBERT		C M Cost(\$): \$32,561.32		S/N RD1511 20203		14.00		69.00 / 69.00		
Time: 23:06 Oil Cnt (%): 24		Mud Additives		Size (in) 8.75 8.75		9.63		978.00 / 978.00		
Location: JCTION TANK H2O Cnt (%): 68		BAROID RIG WASH 4		Mfg SMITH ULTERRA		5.50		14,910.03 / 6,430.01		
Pit Temp (°F): 110 Sand Cnt:		BARABLOK 6		IADC Type						
Depth (ft): 6,743.01 MBT:		INVERMUL 1		Model # FH121 U519S						
Density (ppg): 8.90 pH:		ENGINEERING 1		Jets 3X18 7X14						
FV (s/qt): 54 Pm:		EZ MUL 1		Depth In (ft) 5,987 6,743						
PV (cp): 12 Pff/Mf:		GELTONE V 20		Depth Out (ft) 6,743						
YP (lb/100ft²): 15 Chloride:		CALCIUM CHLORIDE PO 140		Bit Rotations 20/270 60/200						
Gels (l): 10/13/17 Calcium:		BARITE 160		On Btm Hrs Cum 8.00 5.00						
WL: 6.00 LCM:				Footage Cum (ft) 317 597						
HTHP (°F): 250 ES (mV): 752.0				ROP Cum 40.9 119.4						
Cake: 3.00 LGS (%): 3.40				WOB mm/mx (kip) 10 / 35 15 / 30						
Solids: Ex Lime (ppb): 3.9				RPM rot/bit 20 / 270 60 / 200						
ECD: OWR: 73.9 / 26.1				Bit HP 0.57 1.44						
				HSI 0.77 1.37						
				PSI Drop (psi) 209.33 244.73						
				Jet Vel (ft/s) 162.14 175.31						
				Imp Force 281.65 464.80						
				Grading I O D L B G O R						
				Bit # 2 1 1 LT M 1 I NOBHA						
				Bit # 3						
MUD LOGGING										
Trip Gas (units): 805 @ 805		BG Gas (units): 716		Surf to Surf:						
Conn Gas (units): 37 @ 1,719				Lag Strokes:						
Form:		Pore Pressure: (%)		Lag Time: (min)						
BHA # 3										
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	STRING LOADS		MUD PUMPS		
1	ULTERRA U519S PDC BIT		8.750	1.00	1.00	On Btm Torque: 4,000			#1 #2 #3	
1	7" 1.5" 7/8 5.7 .24 RPG FBH MTR.	2.000	7.000	31.78	32.78	Off Btm Torque: 2,000		Pump	DR DR	
1	UBHO SUB	2.750	6.500	2.81	35.59	Str. Wt. Up: 180		Type:		
1	NMDC	3.250	6.875	30.84	66.43	Str. Wt. Down: 160		Liner ID:	6.00 6.00	
1	NM FLEX DC	2.812	6.750	28.84	95.27	Str. Wt. Rot.: 170		SPM:	68.00 69.00	
60	5" DP	4.276	5.000	1,899.26	1,994.53	Max Over Pull: 5		GPM:	284.65 288.84	
1	DRILLING AGITATOR	2.500	6.687	13.00	2,007.53			SPR:		
1	SHOCK SUB	2.250	6.687	10.80	2,018.33			1 SPM:	50.00 40.00	
Total Length: 2,018.33						BHA PROPERTIES		Pressure:	600.00 500.00	
						BHA Hrs: 8		2 SPM:	30.00 30.00	
						Jar Hrs:		Pressure:	450.00 450.00	
						Cum String Hours: 19				
						Weight B Jars (kip):				
SURVEYS									T GPM (gpm): 209 SPP (psi): 3,300	
MD (ft)	Inclination(°)	Azimuth (°)	TVD (ft)	V Section (ft)	+E/-W (ft)	+N/-S (ft)	Dog Leg (°/100ft)	AV (DC): AV (DP):		
6,665	80.10	179.70	6,440	113.10	-109.40	-112.75	10.97			
6,697	83.90	179.70	6,444	144.78	-109.23	-144.43	11.87			
6,719	87.40	179.90	6,446	166.71	-109.15	-166.37	15.93			
6,814	90.20	179.30	6,448	261.67	-108.49	-261.33	3.01			
6,910	90.10	178.40	6,448	357.65	-106.56	-357.31	0.94			
7,005	91.40	179.90	6,447	452.62	-105.15	-452.29	2.09			
7,100	91.50	180.40	6,444	547.59	-105.40	-547.26	0.54			
7,195	89.80	180.70	6,443	642.58	-106.31	-642.25	1.82			
OPERATION DETAILS										
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION			
06:00	14:00	8.00	P	DRLPRD	09	DRLCRV	DRILL CURVE FROM 6426' TO 6743'			
14:00	14:30	0.50	P	DRLPRD	15	CIRC	CIRC AND COND HOLE			
14:30	18:30	4.00	P	DRLPRD	13	TRIP	TOOH TO BHA			
18:30	21:30	3.00	P	DRLPRD	14	PULDSTR	L/D CURVE ASSY AND P/U LATERAL ASSY, 1.5 DEG MTR AND 8.75" ULTERRA U519S, CLEAN OBM FROM RIG FLOOR			
21:30	01:00	3.50	P	DRLPRD	13	TRIP	TIH FILLING PIPE EVERY 30 STDS, TEST MWD TOOLS AT 1093', P/U AGITATOR AND SHOCK SUB AT 2018'			
01:00	06:00	5.00	P	DRLPRD	10	DRLLAT	DRILL LATERAL FROM 6743' TO 7340'			
Daily Operations Comments										
WPS- 300.526 MOTOR: HUNTING 1.5 DEG 7/8 5.7 SLICK .24 RPG MAX DIFF: 1000# GAMMA: 39' SURVEY: 50' RECOVERED 60 BBLS OBM TO SYSTEM, CUMULATIVE RECOVERED 90 BBLS.										

 <div>Daily Drilling Report Onshore</div>		Well Name/Wellbore No.: UNIVERSITY EAST 4108HH/OH				Report Number: 009							
		Country: USA				Report Date: 08/06/2014							
		State/OCSG: TEXAS				Spud Date: 07/30/2014							
		Field/Permit#: WOLFCAMP EAST				Release Date:							
Depth md/tvd (ft): 14,899.03 / 6,442.70 Progress (ft): 2,143.00 ROP: 2,143.0 / 20.00 = 107.15 Proposed TD (ft): 15,000.00 Next Csg Point (ft): 14,910.03		Supervisors: JIMMY DAVIS / CHAD SURBER				DFS: 7.00		DOL: 8		AFE Days: 10			
		Engineer/Manager: MOTLEY, DEREK / MANGUM, DANNY				Last BOP T.: 07/30/2014							
		Safety & Environmental Incident: No											
Current Activity: TD LATERAL AT 14,899', C & C FOR CASING		PTB: INC: 90.3°, AZM: 178.2°, TVD: 6442', 7.6'- ABOVE, 13'- LEFT				85 ° = 6703', TOTAL							
LATERAL = 8196'													
24 Hr Summary: DRILL LATERAL, RIG SERVICE, DRILL LATERAL, C & C													
24 Hr Forecast: C & C, TOH, RUN PRODUCTION CASING													
MUD PROPERTIES		MUD MATERIALS		BIT RECORD				CASING					
Fluids Co.: BAROID		D M Cost(\$): \$10,668.29		Bit#		3		Size(in)		MD(ft)/TVD(ft)		FIT/LOT(ppg)	
Fluids Eng: ANDRE ROBERT		C M Cost(\$): \$61,149.29		S/N		20203		14.00		69.00 / 69.00			
Time: 23:06 Oil Cnt (%): 23		Mud Additives		Size (in)		8.75		9.63		978.00 / 978.00			
Location: JCTION TANK H2O Cnt (%): 68		DURATONE HT		Mfg		ULTERRA		5.50		14,910.03 / 6,430.01			
Pit Temp (°F): 136 Sand Cnt:		CALCIUM CHLORIDE PO		IADC Type									
Depth (ft): 14,090.03 MBT:		SHRINK WRAP		Model #		U519S							
Density (ppg): 9.10 pH:		GELTONE V		Jets		7X14							
FV (s/qt): 51 Pm:		EZ MUL		Depth In (ft)		6,743							
PV (cp): 15 Pt/Mf: /		BARABLOK		Depth Out (ft)		14,899							
YP (lb/100ft²): 17,000 Chloride:		TRANSPORTATION		Bit Rotations		55/80							
Gels (l): 14/17/21 Calcium:		FUEL SURCHARGE		On Btm Hrs Cum		62.00							
WL: 8.00 LCM:		Drum Banding		Footage Cum (ft)		8,156							
HTHP (°F): 250 ES (mV): 853.0		INVERMUL		ROP Cum		131.5							
Cake: 3.00 LGS (%): 4.00		ENGINEERING		WOB mm/mx (kip)		25 / 35							
Solids: Ex Lime (ppb): 3.9				RPM rot/bit		55 / 80							
ECD: OWR: 25.3 / 74.7				Bit HP		1.22							
				HSI		1.16							
				PSI Drop (psi)		220.69							
				Jet Vel (ft/s)		164.64							
				Imp Force		419.15							
				Grading		I O D L B G O R							
				Bit #									
				Bit # 3									

