



[illegible]

 Daily Drilling Report Onshore		Well Name/Wellbore No.: UNIVERSITY EAST 4322GH/00		Report Number: 004																																													
		Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: BRANDON GREEN / DAVID WALDRUM Engineer/Manager: MOTLEY, DEREK / MANGUM, DANNY		Report Date: 10/03/2014 Spud Date: Release Date: DFS: 0.00 DOL: 3 AFE Days: 10 Last BOP T.: Safety & Environmental Incident: No																																													
Depth md/tvd (ft): 911.60 / 911.36 Progress (ft): 0.00 ROP: 0.0 / = 0.00 Proposed TD (ft): 15,400.00 Next Csg Point (ft): 15,839.03				Rig: SIDEWINDER/221 Rig Phone: 713-997-1295 RKB (ft): 2,749.01 Ground Level (ft): 2,724.0 POB: 34 Total Man Hours: 372.00		<table><tr><td></td><td>Drig</td><td>Comp</td><td>Fac</td><td>Total</td></tr><tr><td>AFE #:</td><td>163292/52376</td><td></td><td></td><td></td></tr><tr><td>Day Cost(\$):</td><td>72,237</td><td>0</td><td>0</td><td>72,237</td></tr><tr><td>Cum Cost(\$)</td><td>637,540</td><td>0</td><td>0</td><td>637,540</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 #:	163292/52376				Day Cost(\$):	72,237	0	0	72,237	Cum Cost(\$)	637,540	0	0	637,540	AFE(\$):	0	0	0	0																	
	Drig	Comp	Fac	Total																																													
AFE #:	163292/52376																																																
Day Cost(\$):	72,237	0	0	72,237																																													
Cum Cost(\$)	637,540	0	0	637,540																																													
AFE(\$):	0	0	0	0																																													
Current Activity: MOVED IN 100% & RIG UP 75%. 24 Hr Summary: RELOCATE MUD BOAT. SET DRAWWORKS. RAISE FLOWLINE MANIFOLD. HANG BOP. RU STAIRS TO FLOOR. RU ELECTRIC, AIR AND WATER LINES. RU MUD LINES. UNLOADED POLY PIPE ON UC 8-29 AH AND UC 08-24 AH FOR P&A . 24 Hr Forecast: SPOOL UP DRILLING LINE. NIPPLE UP BOPE, BELL NIPPLE AND FLOWLINE. (NOV TECHS EXPECTED TO ARRIVE TO WORK ON DRAWWORKS BREAKS.)																																																	
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING																																											
Fluids Co.: BAROID Fluids Eng: WESLEY VAUGHN Time: 6:00 Location: SERVE TANK Pit Temp: Depth (ft): Density (ppg): 8.70 FV (s/qt): 71 PV: YP: Gels: WL (cc/30min): HTHP: Cake (32nd"): Solids: ECD:		D M Cost(\$): \$0.00 C M Cost(\$): \$900.00 Mud Additives Used		Bit# S/N Size (in) Mfg IADC Type Model # Jets Depth In (ft) Depth Out (ft) Bit Rotations On Btm Hrs Cum Footage Cum (ft) ROP Cum WOB mn/mx (kip) RPM rot/bit Bit HP HSI PSI Drop (psi) Jet Vel (ft/s) Imp Force		Size(in) MD(ft)/TVD(ft) FIT/LOT(ppg) INVENTORY Item Inv SOLIDS CONTROL Skr Deck 1 Screens Deck 2 Screens																																											
MUD LOGGING		Grading Bit # Bit #		I O D L B G O R																																													
Trip Gas (units): @ Conn Gas (units): @ Form:		BG Gas (units): Pore Pressure: (%)		Surf to Surf: Lag Strokes: Lag Time: (min)																																													
						MUD PUMPS																																											
						<table><tr><td></td><td>#1</td><td>#2</td><td>#3</td></tr><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><tr><td>T GPM (gpm):</td><td colspan="3">SPP (psi):</td></tr><tr><td>AV (DC):</td><td colspan="3">AV (DP):</td></tr></table>			#1	#2	#3	Pump Type:				Liner ID:				SPM:				GPM:				SPR:				1 SPM:				Pressure:				2 SPM:				Pressure:				T GPM (gpm):	SPP (psi):
	#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)																																										
450	0.90	59.31	450	-4.09	8.25	4.06	0.22																																										
500	1.08	57.42	500	-4.55	8.98	4.51	0.37																																										
550	1.14	64.53	550	-5.02	9.83	4.98	0.30																																										
600	1.52	66.33	600	-5.50	10.88	5.46	0.76																																										
650	1.52	65.51	650	-6.04	12.09	6.00	0.04																																										
700	1.49	63.93	700	-6.61	13.28	6.56	0.10																																										
750	1.52	65.64	750	-7.17	14.47	7.12	0.11																																										
808	1.75	68.82	808	-7.82	16.00	7.76	0.43																																										
OPERATION DETAILS																																																	
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																																										
06:00	06:00	24.00	P	MIRU	01	MIRU	RELOCATE MUD BOAT. SET DRAWWORKS. RAISE FLOWLINE MANIFOLD. HANG BOP. RU STAIRS TO FLOOR. RU ELECTRIC, AIR AND WATER LINES. RU MUD LINES.																																										
Daily Operations Comments (100% MOVED IN & 75% RIGGED UP) (OBM ON LOCATION:2,107BBLs.)																																																	

<div><div></div><div>Daily Drilling Report Onshore</div></div>						Well Name/Wellbore No.: UNIVERSITY EAST 4323GH/00 Country: USA State/OCSG TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: BRANDON GREEN / DAVID WALDRUM Engineer/Manager: MOTLEY, DEREK / MANGUM, DANNY							Report Number: 005 Report Date: 10/04/2014 Spud Date: Release Date: DFS: DOL: 4 AFE Days: 10 Last BOP T.: Safety & Environmental Incident: No										
Depth md/tvd (ft): 916.00/ 915.75						Rig: SIDEWINDER/221									Drlg		Comp		Fac		Total		
Progress:						Rig Phone: 713-997-1295							AFE #:		163292/52376								
ROP: / = 0.00						RKB (ft): 2,749.01							Day Cost(\$):		66,989		0		0		66,989		
Proposed TD (ft): 15,400.00						Ground Level (ft): 2,724.0							Cum Cost(\$)		704,529		0		0		704,529		
Next Csg Point (ft): 15,839.03						POB: 47 Total Man Hours: 413.00							AFE(\$):		0		0		0		0		
Current Activity: NIPPLE UP BOPE.																							
24 Hr Summary: SPOOL UP DRUM. RELEASE BLOCKS AND HOOK UP TO TD. CO SAVER SUB. HOOK UP MUD, AIR AND WATER LINES TO FLOOR. NIPPLE UP DSA AND SPOOL. CONTINUE RU WHILE WAITING ON STACK LIFTS.																							
24 Hr Forecast: FINISH NU BOPE. TEST BOPE. PU DIRECTIONAL TOOLS. TIH PU COLLARS & PIPE. DRILL CEMENT AND FS. DRILL BACK BUILD.																							
MUD PROPERTIES						MUD MATERIALS				BIT RECORD						CASING							
Fluids Co.: BAROID						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						Size(in)		MD(ft)/TVD(ft)		FIT/LOT(ppg)			
Fluids Eng: WESLEY VAUGHN						C M Cost(\$): \$900.00										14.00		65.00 / 65.00					
Time: 6:00 Oil Cnt:						Mud Additives										Used		9.63		916.00 / 916.00			
Location: SERVE TANK H2O Cnt:																				5.50		15,839.03 / 7,075.01	
Pit Temp:						Sand Cnt (%): 0.00										INVENTORY							
Depth (ft): 0.00 MBT (lbm/bbl): 0.0																							
Density (ppg): 8.70 pH: 0.0																							
FV (s/qt): 71 Pm (cc): 0.0																							
PV:						Pf (cc)/Mf (cc): 0.0 / 0.0										Item		Inv					
YP:						Chloride (ppm): 0										DIESEL		17,000					
Gels:						// Calcium (ppm): 0.00										OBM DIESEL		12,060					
WL (cc/30min):						LCM (lbm/bbl): 0.0										SOLIDS CONTROL							
HTHP:						ES (mV):																	
Cake (32nd"):						LGS:																	
Solids:						Ex Lime (ppb):																	
ECD:						OWR:										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: Lag Time: (min)				Grading I O D L B G O R Bit # Bit #						1		140///					
																2		140///					
														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)									
450		0.90		59.31		450		-4.09		8.25		4.06		0.22									
500		1.08		57.42		500		-4.55		8.98		4.51		0.37									
550		1.14		64.53		550		-5.02		9.83		4.98		0.30									
600		1.52		66.33		600		-5.50		10.88		5.46		0.76									
650		1.52		65.51		650		-6.04		12.09		6.00		0.04									
700		1.49		63.93		700		-6.61		13.28		6.56		0.10									
750		1.52		65.64		750		-7.17		14.47		7.12		0.11									
808		1.75		68.82		808		-7.82		16.00		7.76		0.43									
OPERATION DETAILS																							
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																
06:00	19:00	13.00	P	MIRU	01	MIRU	RU.																
19:00	22:00	3.00	P	CASPRD1	28	NUBOPE	NU DSA AND SPOOL.																
22:00	03:30	5.50	N	CASPRD1	44	RRHOIST	RIG BOP WINCH MALFUNCTIONED (COULD NOT LOWER STACK) CONTINUE RU WHILE WAIT ON STACK LIFTS.																
03:30	06:00	2.50	P	CASPRD1	28	NUBOPE	RU STACK LIFTS AND NU																
Daily Operations Comments (OBM ON LOCATION:2,107BBLs.)																							

	Daily Drilling Report Onshore																						
	Well Name/Wellbore No.: UNIVERSITY EAST 4323GH/00																						
	Country: USA																						
	State/OCSG TEXAS																						
	Field/Permit#: WOLFCAMP EAST																						
	Supervisors: BRANDON GREEN / DAVID WALDRUM																						
	Engineer/Manager: MOTLEY, DEREK / MANGUM, DANNY																						
Report Number: 005																							
Report Date: 10/04/2014																							
Spud Date:																							
Release Date:																							
DFS: DOL: 4 AFE Days: 10																							
Last BOP T.:																							
Safety & Environmental Incident: No																							
Depth md/tvd (ft): 916.00/ 915.75			Rig: SIDEWINDER/221						Drlg			Comp			Fac			Total					
Progress:			RKB Phone: 713-997-1295			AFE #:			163292/52376														
ROP: / = 0.00			Ground Level (ft): 2,749.01			Day Cost(\$):			66,989			0			0			66,989					
Proposed TD (ft): 15,400.00			POB: 47 Total Man Hours: 413.00			Cum Cost(\$)			704,529			0			0			704,529					
Next Csg Point (ft): 15,839.03						AFE(\$):			0			0			0			0					
Current Activity: NIPPLE UP BOPE.																							
24 Hr Summary: SPOOL UP DRUM. RELEASE BLOCKS AND HOOK UP TO TD. CO SAVER SUB. HOOK UP MUD, AIR AND WATER LINES TO FLOOR. NIPPLE UP DSAAND SPOOL. CONTINUE RU WHILE WAITING ON STACK LIFTS.																							
24 Hr Forecast: FINISH NU BOPE.TEST BOPE. PU DIRECTIONAL TOOLS. TIH PU COLLARS & PIPE. DRILL CEMENT AND FS. DRILL BACK BUILD.																							
MUD PROPERTIES						MUD MATERIALS						BIT RECORD						CASING					
Fluids Co.: BAROID						D M Cost(\$): \$0.00						Bit#						Size(in)		MD(ft)/TVD(ft)		FIT/LOT(ppg)	
Fluids Eng: WESLEY VAUGHN						C M Cost(\$): \$900.00						S/N						14.00		65.00 / 65.00			
Time: 6:00 OilCnt:						Mud Additives						Used						9.63		916.00 / 916.00			
Location: SERVE TANK H2O Cnt:																		5.50		15,839.03 / 7,075.01			
Pit Temp:																							
Depth (ft): 0.00 MBT (lbm/bbl): 0.0																							
Density (ppg): 8.70 pH: 0.0																							
FV (s/qt): 71 Pm (cc): 0.0																							
PV: Pf (cc)/Mf (cc): 0.0 / 0.0																							
YP: Chloride (ppm): 0																							
Gels: // Calcium (ppm): 0.00																							
WL (cc/30min): LCM (lbm/bbl): 0.0																							
HTHP: ES (mV):																							
Cake (32nd"): LGS:																							
Solids: Ex Lime (ppb):																							
ECD: OWR: /																							
MUD LOGGING												JETS											
Trip Gas (units): @ BG Gas (units): Surf to Surf:												Depth In (ft)											
Conn Gas (units) @ Lag Strokes:												Depth Out (ft)											
Form: Pore Pressure: (%) Lag Time: (min)												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 #											
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)									
450		0.90		59.31		450		-4.09		8.25		4.06		0.22									
500		1.08		57.42		500		-4.55		8.98		4.51		0.37									
550		1.14		64.53		550		-5.02		9.83		4.98		0.30									
600		1.52		66.33		600		-5.50		10.88		5.46		0.76									
650		1.52		65.51		650		-6.04		12.09		6.00		0.04									
700		1.49		63.93		700		-6.61		13.28		6.56		0.10									
750		1.52		65.64		750		-7.17		14.47		7.12		0.11									
808		1.75		68.82		808		-7.82		16.00		7.76		0.43									
OPERATION DETAILS																							
FROM		TO		HRS		OP CODE		PHASE		CODE		ACTIVITY		DESCRIPTION									
06:00		22:00		16.00		P		MIRU		01		MIRU		CONTINUE RIGGING UP.									
22:00		03:30		5.50		N		MIRU		47		RROTHR		ATTEMPT TO LOWER BOP. UNABLE TO LOWER BOP HOIST ON OFF DRILLERS SIDE. (WAIT ON WENCHES)									
03:30		06:00		2.50		P		CASSURF		28		NUBOPE		R/U STACK LIFTS AND START N/U 13-5/8" 5K BOP'S.									
Daily Operations Comments																							
(OBM ON LOCATION:2,107BBLs.) (CONTACTED PAM WITH TRRC @ 11:09 10/04/14 ABOUT P&A PLUG FOR THE 08-29AH.)																							

 Daily Drilling Report Onshore		Well Name/Wellbore No.: UNIVERSITY EAST 4323GH/00		Report Number: 005											
		Country: USA		Report Date: 10/04/2014											
State/OCSG: TEXAS		Field/Permit#: WOLFCAMP EAST		Spud Date:											
Supervisors: BRANDON GREEN / DAVID WALDRUM		DFS:		DOL: 4 AFE Days: 10											
Engineer/Manager: MOTLEY, DEREK / MANGUM, DANNY		Last BOP T.:		Safety & Environmental Incident: No											
Depth md/tvd (ft): 911.60 / 911.36		Rig: SIDEWINDER/221		Drlg											
Progress (ft): 0.00		Rig Phone: 713-997-1295		Comp											
ROP: 0.0 / = 0.00		RKB (ft): 2,749.01		Fac											
Proposed TD (ft): 15,400.00		Ground Level (ft): 2,724.0		Total											
Next Csg Point (ft): 15,839.03		POB: 47 Total Man Hours: 413.00		AFE #: 163292/52376											
				Day Cost(\$): 67,613											
				Cum Cost(\$): 705,153											
				AFE(\$): 0											
Current Activity: NIPPLE UP BOPE.															
24 Hr Summary: SPOOL UP DRUM. RELEASE BLOCKS AND HOOK UP TO TD. CO SAVER SUB. HOOK UP MUD, AIR AND WATER LINES TO FLOOR. NIPPLE UP DSA AND SPOOL. CONTINUE RU WHILE WAITING ON STACK LIFTS.															
24 Hr Forecast: FINISH NU BOPE. TEST BOPE. PU DIRECTIONAL TOOLS. TIH PU COLLARS & PIPE. DRILL CEMENT AND FS. DRILL BACK BUILD.															
MUD PROPERTIES		MUD MATERIALS		BIT RECORD											
Fluids Co.: BAROID		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											
Fluids Eng: WESLEY VAUGHN		C M Cost(\$): \$900.00													
Time: 6:00 Oil Cnt:		Mud Additives		Grading I O D L B G O R											
Location: SERVE TANK H2O Cnt:		Used													
Pit Temp:		Bit # Bit #													
Depth (ft): 0.00 MBT (lbm/bbl): 0.0															
Density (ppg): 8.70 pH: 0.0															
FV (s/qt): 71 Pm (cc): 0.0															
PV: Pf (cc)/Mf (cc): 0.0 / 0.0															
YP: Chloride (ppm): 0															
Gels: // Calcium (ppm): 0.00															
WL (cc/30min): LCM (lbm/bbl): 0.0															
HTHP: ES (mV):															
Cake (32nd"): LGS:															
Solids: Ex Lime (ppb):															
ECD: OWR: /															
MUD LOGGING															
Trip Gas (units): @		BG Gas (units):		Surf to Surf:											
Conn Gas (units): @		Pore Pressure: (%)		Lag Strokes:											
Form:				Lag Time: (min)											
MUD PUMPS															
#1															
#2															
#3															
Pump Type:															
Liner ID:															
SPM:															
GPM:															
SPR:															
1 SPM:															
Pressure:															
2 SPM:															
Pressure:															
T GPM (gpm): SPP (psi):															
AV (DC): AV (DP):															
SURVEYS															
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)	
450		0.90		59.31		450		-4.09		8.25		4.06		0.22	
500		1.08		57.42		500		-4.55		8.98		4.51		0.37	
550		1.14		64.53		550		-5.02		9.83		4.98		0.30	
600		1.52		66.33		600		-5.50		10.88		5.46		0.76	
650		1.52		65.51		650		-6.04		12.09		6.00		0.04	
700		1.49		63.93		700		-6.61		13.28		6.56		0.10	
750		1.52		65.64		750		-7.17		14.47		7.12		0.11	
808		1.75		68.82		808		-7.82		16.00		7.76		0.43	
OPERATION DETAILS															
FROM		TO		HRS		OP CODE		PHASE		CODE		ACTIVITY		DESCRIPTION	
06:00		22:00		16.00		P		MIRU		01		MIRU		CONTINUE RIGGING UP.	
22:00		03:30		5.50		N		MIRU		47		RROTHR		ATTEMPT TO LOWER BOP. UNABLE TO LOWER BOP HOIST ON OFF DRILLERS SIDE. (WAIT ON WENCHES)	
03:30		06:00		2.50		P		CASSURF		28		NUBOPE		R/U STACK LIFTS AND START N/U 13-5/8" 5K BOP'S.	
Daily Operations Comments (OBM ON LOCATION:2,107BBLs.) (CONTACTED PAM WITH TRRC @ 11:09 10/04/14 ABOUT P&A PLUG FOR THE 08-29AH.)															

<div>EP ENERGY</div>	<div>Daily Drilling Report Onshore</div>	Well Name/Wellbore No.: UNIVERSITY EAST 4323GH/00		Report Number: 005													
		Country: USA		Report Date: 10/04/2014													
		State/OCSG TEXAS		Spud Date:													
		Field/Permit#: WOLFCAMP EAST		Release Date:													
		Supervisors: BRANDON GREEN / DAVID WALDRUM		DFS: DOL: 4 AFE Days: 10													
		Engineer/Manager: MOTLEY, DEREK / MANGUM, DANNY		Last BOP T.: Safety & Environmental Incident: No													
Depth md/tvd (ft): 911.60 / 911.36		Rig: SIDEWINDER/221		Drlg		Comp		Fac		Total							
Progress (ft): 0.00		Rig Phone: 713-997-1295		AFE #:		163292/52376											
ROP: 0.0 / = 0.00		RKB (ft): 2,749.01		Day Cost(\$):		66,989		0		66,989							
Proposed TD (ft): 15,400.00		Ground Level (ft): 2,724.0		Cum Cost(\$)		704,529		0		704,529							
Next Csg Point (ft): 15,839.03		POB: 47 Total Man Hours: 413.00		AFE(\$):		0		0		0							
Current Activity: NIPPLE UP BOPE.																	
24 Hr Summary: SPOOL UP DRUM. RELEASE BLOCKS AND HOOK UP TO TD. CO SAVER SUB. HOOK UP MUD, AIR AND WATER LINES TO FLOOR. NIPPLE UP DSA AND SPOOL. CONTINUE RU WHILE WAITING ON STACK LIFTS.																	
24 Hr Forecast: FINISH NU BOPE. TEST BOPE. PU DIRECTIONAL TOOLS. TIH PU COLLARS & PIPE. DRILL CEMENT AND FS. DRILL BACK BUILD.																	
MUD PROPERTIES				MUD MATERIALS				BIT RECORD				CASING					
Fluids Co.: BAROID				D M Cost(\$): \$0.00				Bit#				Size(in)		MD(ft)/TVD(ft)		FIT/LOT(ppg)	
Fluids Eng: WESLEY VAUGHN				C M Cost(\$): \$900.00				S/N				14.00		65.00 / 65.00			
Time: 6:00 Oil Cnt:				Mud Additives				Size (in)				9.63		911.60 / 911.60			
Location: SERVE TANK H2O Cnt:								Mfg				5.50		15,839.03 / 7,075.01			
Pit Temp:								IADC Type									
Depth (ft): 0.00 MBT (lbm/bbl): 0.0								Model #									
Density (ppg): 8.70 pH: 0.0								Jets									
FV (s/qt): 71 Pm (cc): 0.0								Depth In (ft)									
PV: Pf (cc)/Mf (cc): 0.0 / 0.0								Depth Out (ft)									
YP: Chloride (ppm): 0								Bit Rotations									
Gels: // Calcium (ppm): 0.00								On Btm Hrs Cum									
WL (cc/30min): LCM (lbm/bbl): 0.0								Footage Cum (ft)									
HTHP: ES (mV):								ROP Cum									
Cake (32nd"): LGS:								WOB mn/mx (kip)									
Solids: Ex Lime (ppb):								RPM rot/bit									
ECD: OWR: /								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)													
												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)			
450		0.90		59.31		450		-4.09		8.25		4.06		0.22			
500		1.08		57.42		500		-4.55		8.98		4.51		0.37			
550		1.14		64.53		550		-5.02		9.83		4.98		0.30			
600		1.52		66.33		600		-5.50		10.88		5.46		0.76			
650		1.52		65.51		650		-6.04		12.09		6.00		0.04			
700		1.49		63.93		700		-6.61		13.28		6.56		0.10			
750		1.52		65.64		750		-7.17		14.47		7.12		0.11			
808		1.75		68.82		808		-7.82		16.00		7.76		0.43			
OPERATION DETAILS																	
FROM		TO		HRS		OP CODE		PHASE		CODE		ACTIVITY		DESCRIPTION			
06:00		22:00		16.00		P		MIRU		01		MIRU		CONTINUE RIGGING UP.			
22:00		03:30		5.50		N		MIRU		47		RROTHR		AT			

[illegible]

<div>EP ENERGY</div> <div>Daily Drilling Report Onshore</div>				<div>Well Name/Wellbore No.: UNIVERSITY EAST 4323GH/00</div> <div>Country: USA</div> <div>State/OCSG: TEXAS</div> <div>Field/Permit#: WOLFCAMP EAST</div> <div>Supervisors: BRANDON GREEN / DAVID WALDRUM</div> <div>Engineer/Manager: MOTLEY, DEREK / MANGUM, DANNY</div>				<div>Report Number: 007</div> <div>Report Date: 10/06/2014</div> <div>Spud Date:</div> <div>Release Date: DFS: 1.00 DOL: 6 AFE Days: 10</div> <div>Last BOP T.:</div> <div>Safety & Environmental Incident: No</div>																												
<div>Depth md/tvd (ft): 4,347.01 / 4,317.06</div> <div>Progress (ft): 3,435.41</div> <div>ROP: 3,435.4 / 19.50 = 176.17</div> <div>Proposed TD (ft): 15,400.00</div> <div>Next Csg Point (ft): 15,839.03</div>				<div>Rig: SIDEWINDER/221</div> <div>Rig Phone: 713-997-1295</div> <div>RKB (ft): 2,749.01</div> <div>Ground Level (ft): 2,724.0</div> <div>POB: 24 Total Man Hours: 288.00</div>				<table><tr><td></td><td>Drig</td><td>Comp</td><td>Fac</td><td>Total</td></tr><tr><td>AFE #:</td><td>163292/52376</td><td></td><td></td><td></td></tr><tr><td>Day Cost(\$):</td><td>51,473</td><td>0</td><td>0</td><td>51,473</td></tr><tr><td>Cum Cost(\$)</td><td>805,262</td><td>0</td><td>0</td><td>805,262</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 #:	163292/52376				Day Cost(\$):	51,473	0	0	51,473	Cum Cost(\$)	805,262	0	0	805,262	AFE(\$):	0	0	0	0
	Drig	Comp	Fac	Total																																
AFE #:	163292/52376																																			
Day Cost(\$):	51,473	0	0	51,473																																
Cum Cost(\$)	805,262	0	0	805,262																																
AFE(\$):	0	0	0	0																																
<div>Current Activity: DRILL SIDE BUILD @ 4,347'. BIT PROJ @ 4,347' INC.:0.7°, AZM:55.5°, TVD:4,317', V.S:-226.45' ABOVE:15.0', RIGHT: 4.0'</div> <div>24 Hr Summary: FINISH TIH P/U 5" DRILL PIPE T/ 848", DISPLACE WATER OUT OF HOLE, DRILL CEMENT & FLOAT EQUIP F/ 848' T/ 911.6'. (SPUD UNIVERSITY EAST 4323GH ON 10/05/2014 @ 09:30 FROM 911.6'MD.), DRILL SIDE BUILD F/ 911' - 4,347'.</div> <div>24 Hr Forecast: CONTINUE DRILLING VERTICAL F/ 4,347'</div>																																				
MUD PROPERTIES				MUD MATERIALS		BIT RECORD		CASING																												
Fluids Co.: BAROID				D M Cost(\$): \$13,104.50		Bit# 1		Size(in)																												
Fluids Eng: Chris Harrison				C M Cost(\$): \$14,004.50		S/N 12539232		MD(ft)/TVD(ft)																												
Time: 22:00 Oil Cnt (%): 29				Mud Additives		Size (in) 8.75		FIT/LOT(ppg)																												
Location: FLOWLINE H2O Cnt (%): 66				EZ MUL 1		Mfg HALLIBURTON		14.00 65.00 / 65.00																												
Pit Temp (°F): 85 Sand Cnt (%): 0.00				CALCIUM CHLORIDE PO 112		IADC Type		9.63 911.60 / 911.60																												
Depth (ft): 0.00 MBT (lbm/bbl): 0.0				BARABLOK 2		Model #		5.50 15,839.03 / 7,075.01																												
Density (ppg): 8.70 pH: 0.0				FUEL SURCHARGE .60 700		Jets 5X22																														
FV (s/qt): 58 Pm (cc): 0.0				SHRINK WRAP 20		Depth In (ft) 916																														
PV (cp): 13 Pf (cc):/Mf (cc): 0.0 / 0.0				GELTONE 10		Depth Out (ft) 6,715																														
YP (lb/100ft²): 13 Chloride (ppm): 0				DRILLTREAT 4		Bit Rotations 50/50																														
Gels (l): 11/23/28 Calcium (ppm): 0.00				PALLETES 20		On Btm Hrs Cum 19.50																														
WL (cc/30min): 11.00 LCM (lbm/bbl): 0.0				TRANSPORTATION 394		Footage Cum (ft) 3,435																														
HTHP (°F): 300 ES (mV): 460.0				ENGINEER 24 HOURS 5		ROP Cum 176.2																														
Cake (32nd"): 2.00 LGS (%): 2.90				DURATONE HT 2		WOB mn/mx (kip) / 15 / 25																														
Solids: Ex Lime (ppb): 3.0				MUD RENTAL 2,049		RPM rot/bit / 50 / 50																														
ECD (ppg): 8.8 OWR: 70.0 / 30.0						Bit HP 0.86																														
						HSI 0.46																														
						PSI Drop (psi) 80.49																														
						Jet Vel (ft/s) 101.98																														
						Imp Force 269.65																														
						Grading I O D L B G O R																														
						Bit #																														
						Bit # 1																														
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: 6,500																												
1	X- OVER			2.750	6.500	3.71	3.71	Off Btm Torque: 1,800																												
3	STEEL DRILL COLLARS			2.812	6.437	89.50	93.21	Str. Wt. Up: 117																												
1	X- OVER SUB			2.750	6.125	3.62	96.83	Str. Wt. Down: 108																												
1	NON MAG DRILL COLLAR			2.750	6.625	30.52	127.35	Str. Wt. Rot.: 115																												
1	NON MAG DRILL COLLAR			3.312	6.875	28.70	156.05	Max Over Pull:																												
1	UBHO SUB			2.750	6.437	3.15	159.20																													
1	6 3/4" 7/8, 5.0, B-B 4.12., REV/GAL			1.750	6.750	25.92	185.12																													
1	BIT			8.750		1.00	186.12																													
Total Length:							186.12																													
							BHA PROPERTIES																													
							BHA Hrs: 20																													
							Jar Hrs:																													
							Cum String Hours: 20																													
							Weight B Jars (kip):																													


<div>EP ENERGY</div> <div>Daily Drilling Report Onshore</div>				<div>Well Name/Wellbore No.: UNIVERSITY EAST 4323GH/00</div> <div>Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: BRANDON GREEN / DAVID WALDRUM Engineer/Manager: MOTLEY, DEREK / DERDEN, ROY</div>				<div>Report Number: 009 Report Date: 10/08/2014 Spud Date: Release Date: DFS: 3.00 DOL: 8 AFE Days: 10 Last BOP T.: 10/04/2014 Safety & Environmental Incident: No</div>																																													
<div>Depth md/tvd (ft): 7,437.01 / 7,169.39 Progress (ft): 722.00 ROP: 722.0 / 15.50 = 46.58 Proposed TD (ft): 15,400.00 Next Csg Point (ft): 15,839.03</div>				<div>Rig: SIDEWINDER/221 Rig Phone: 713-997-1295 RKB (ft): 2,749.01 Ground Level (ft): 2,724.0 POB: 28 Total Man Hours: 320.00</div>				<table><tr><td></td><td>Drig</td><td>Comp</td><td>Fac</td><td>Total</td></tr><tr><td>AFE #:</td><td>163292/52376</td><td></td><td></td><td></td></tr><tr><td>Day Cost(\$):</td><td>74,556</td><td>0</td><td>0</td><td>74,556</td></tr><tr><td>Cum Cost(\$)</td><td>955,926</td><td>0</td><td>0</td><td>955,926</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 #:	163292/52376				Day Cost(\$):	74,556	0	0	74,556	Cum Cost(\$)	955,926	0	0	955,926	AFE(\$):	0	0	0	0																	
	Drig	Comp	Fac	Total																																																	
AFE #:	163292/52376																																																				
Day Cost(\$):	74,556	0	0	74,556																																																	
Cum Cost(\$)	955,926	0	0	955,926																																																	
AFE(\$):	0	0	0	0																																																	
<div>Current Activity: POOH FOR CURVE BHA. (BIT PROJ @ 7,437' INC 90.5°, AZM:183.3°, TVD: 7,169.3', V.S: 239.8' BELOW: 19.45', RIGHT: 4.15'). LATERAL STARTS @ 7,404' @ 85°</div> <div>24 Hr Summary: CO BHA. TIH TO CSG SHOE. TEST MWD. RS. TIH. DRILL CURVE F/ 6,715' - 7,437'. CBU X2, POOH.</div> <div>24 Hr Forecast: TOO. C/O BHA'S. TIH. DRILL LATERAL.</div>																																																					
MUD PROPERTIES				MUD MATERIALS		BIT RECORD		CASING																																													
<div>Fluids Co.: BAROID Fluids Eng: Chris Harrison</div> <div>Time: 3:00 Oil Cnt (%): 26 Location: JCTION TANK H2O Cnt (%): 67 Pit Temp (°F): 110 Sand Cnt (%): 0.00 Depth (ft): 7,175.01 MBT (lbm/bbl): 0.0 Density (ppg): 8.70 pH: 0.0 FV (s/qt): 50 Pm (cc): 0.0 PV (cp): 1,312 Pf (cc)/Mf (cc): 0.0 / 0.0 YP (lb/100ft²): 8 Chloride (ppm): 0 Gels (l): 8/10/14 Calcium (ppm): 0.00 WL (cc/30min): 10.00 LCM (lbm/bbl): 0.0 HTHP (°F): 300 ES (mV): 449.0 Cake (32nd"): 2.00 LGS (%): 4.20 Solids: Ex Lime (ppb): 3.1 ECD (ppg): 8.7 OWR: 71.9 / 28.1</div>				<div>D M Cost(\$): \$8,582.97 C M Cost(\$): \$23,487.47</div> <div>Mud Additives Used</div> <div>BARABLOK 2 BAROID 41 34 CALCIUM CHLORIDE PO 168 DRILLTREAT 3 EZ MUL 1 LIME 20 ENGINEER 24 HOURS 1 GELTONE 16 DURATONE HT 14</div>		<div>Bit# 2 S/N RD3574 Size (in) 8.75 Mfg SMITH IADC Type Model # FHi21 Jets 3X18 Depth In (ft) 6,715 Depth Out (ft) 7,437 Bit Rotations 30/30 On Btm Hrs Cum 15.50 Footage Cum (ft) 722 ROP Cum 46.6 WOB mn/mx (kip) / 25 / 35 RPM rot/bit 30 / 30 Bit HP 1.37 HSI 1.83 PSI Drop (psi) 372.70 Jet Vel (ft/s) 218.19 Imp Force 501.48</div> <div>Grading I O D L B G O R Bit # Bit # 2 1 1 LT H 1 I CT BHA</div>		<table><tr><td>Size(in)</td><td colspan="2">MD(ft)/TVD(ft)</td><td>FIT/LOT(ppg)</td></tr><tr><td>14.00</td><td>65.00 /</td><td>65.00</td><td></td></tr><tr><td>9.63</td><td>911.60 /</td><td>911.60</td><td></td></tr><tr><td>5.50</td><td>15,839.03 /</td><td>7,075.01</td><td></td></tr></table> <div>INVENTORY</div> <table><tr><td>Item</td><td>Inv</td></tr><tr><td>DIESEL</td><td>11,948</td></tr><tr><td>OBM DIESEL</td><td>6,812</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>50///</td><td></td></tr><tr><td>2</td><td>50///</td><td></td></tr></table>		Size(in)	MD(ft)/TVD(ft)		FIT/LOT(ppg)	14.00	65.00 /	65.00		9.63	911.60 /	911.60		5.50	15,839.03 /	7,075.01		Item	Inv	DIESEL	11,948	OBM DIESEL	6,812	Skr	Deck 1 Screens	Deck 2 Screens	1	50///		2	50///														
Size(in)	MD(ft)/TVD(ft)		FIT/LOT(ppg)																																																		
14.00	65.00 /	65.00																																																			
9.63	911.60 /	911.60																																																			
5.50	15,839.03 /	7,075.01																																																			
Item	Inv																																																				
DIESEL	11,948																																																				
OBM DIESEL	6,812																																																				
Skr	Deck 1 Screens	Deck 2 Screens																																																			
1	50///																																																				
2	50///																																																				
MUD LOGGING																																																					
<div>Trip Gas (units): @ Conn Gas (units) 435 @ 448 Form:</div>		<div>BG Gas (units): 319 Pore Pressure: (%)</div>		<div>Surf to Surf: Lag Strokes: Lag Time: (min)</div>																																																	
BHA # 2						STRING LOADS		MUD PUMPS																																													
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	<div>On Btm Torque: 3,500 Off Btm Torque: 2,500 Str. Wt. Up: 180 Str. Wt. Down: 165 Str. Wt. Rot.: 175 Max Over Pull:</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>60.00</td><td>60.00</td><td></td></tr><tr><td>GPM:</td><td>251.16</td><td>251.16</td><td></td></tr><tr><td>SPR:</td><td></td><td></td><td></td></tr><tr><td>1 SPM:</td><td>0.00</td><td>0.00</td><td></td></tr><tr><td>Pressure:</td><td>0.00</td><td>0.00</td><td></td></tr><tr><td>2 SPM:</td><td>0.00</td><td>0.00</td><td></td></tr><tr><td>Pressure:</td><td>0.00</td><td>0.00</td><td></td></tr></table> <div>T GPM (gpm): 251 SPP (psi): 2,050 AV (DC): 380 AV (DP): 261</div>			#1	#2	#3	Pump	DR	DR		Type:				Liner ID:	6.00	6.00		SPM:	60.00	60.00		GPM:	251.16	251.16		SPR:				1 SPM:	0.00	0.00		Pressure:	0.00	0.00		2 SPM:	0.00	0.00		Pressure:	0.00	0.00	
	#1	#2	#3																																																		
Pump	DR	DR																																																			
Type:																																																					
Liner ID:	6.00	6.00																																																			
SPM:	60.00	60.00																																																			
GPM:	251.16	251.16																																																			
SPR:																																																					
1 SPM:	0.00	0.00																																																			
Pressure:	0.00	0.00																																																			
2 SPM:	0.00	0.00																																																			
Pressure:	0.00	0.00																																																			
Total Length: 90.86																																																					
						BHA PROPERTIES																																															
						<div>BHA Hrs: 16 Jar Hrs: Cum String Hours: 16 Weight B Jars (kip):</div>																																															
SURVEYS																																																					
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)																																							
7,171		51.60		183.20		7,079		-5.02		371.26		3.72		14.60																																							
7,203		55.30		182.80		7,098		20.65		369.92		-21.94		11.61																																							
7,235		59.40		182.30		7,116		47.57		368.72		-48.85		12.88																																							
7,266		63.80		182.40		7,130		74.81		367.60		-76.09		14.20																																							
7,297		68.30		182.90		7,143		103.11		366.29		-104.39		14.59																																							
7,328		72.80		182.90		7,153		132.30		364.81		-133.57		14.52																																							
7,360		77.80		183.60		7,161		163.20		363.06		-164.47		15.77																																							
7,391		82.90		183.30		7,167		193.70		361.22		-194.96		16.48																																							
OPERATION DETAILS																																																					
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION																																														
06:00	07:30	1.50	P	DRLPRD	14	PULDSTR	C/O BHA'S.																																														
07:30	08:30	1.00	P	DRLPRD	13	TRIP	TIH TO CSG SHOE AND TEST MWD.																																														
08:30	09:00	0.50	P	DRLPRD	12	RIGSVC	SERVICE RIG.																																														
09:00	11:30	2.50	P	DRLPRD	13	TRIP	TIH.																																														
11:30	02:00	14.50	P	DRLPRD	09	DRLCRV	DRILL CURVE F 6,715' - 7,410'.																																														
02:00	02:30	0.50	P	DRLPRD	10	DRLLAT	DRILL LATERAL F/ 7,410' T/ 7,437'.																																														
02:30	04:00	1.50	P	DRLPRD	15	CIRC	CBU X2.																																														
04:00	06:00	2.00	P	DRLPRD	13	TRIP	POOH FOR LATERAL BHA.																																														
Daily Operations Comments																																																					
6 3/4" 4/7 LOBE, 5.0 STAGE, 2.12°. SLICK, REVS/GAL 48, B-B 4.65, FLOW RANGE 300-600, MAX DIFF 1750. (DRILLING PLAN #3 EOC MD:7,404', INC:90.14°, AZM:180.20°, TVD:7,149', V.S:191') TOTAL OBM: 2,130BBLs.)																																																					

<div>EP ENERGY</div> <div>Daily Drilling Report Onshore</div>				Well Name/Wellbore No.: UNIVERSITY EAST 4323GH/00				Report Number: 010			
				Country: USA				Report Date: 10/09/2014			
				State/OCSG TEXAS				Spud Date: 10/06/2014			
				Field/Permit#: WOLFCAMP EAST				Release Date:			
				Supervisors: BRANDON GREEN / DAVID WALDRUM				DFS: 4.00		DOL: 9	
				Engineer/Manager: MOTLEY, DEREK / DERDEN, ROY				Last BOP T.: 10/04/2014		AFE Days: 10	
								Safety & Environmental Incident: No			
Depth md/tvd (ft): 9,485.02 / 7,143.62				Rig: SIDEWINDER/221				Drig		Comp	
Progress (ft): 2,048.00				Rig Phone: 713-997-1295				AFE #:		163292/52376	
ROP: 2,048.0 / 14.00 = 146.29				RKB (ft): 2,749.01				Day Cost(\$):		120,955	
Proposed TD (ft): 15,400.00				Ground Level (ft): 2,724.0				Cum Cost(\$):		1,076,880	
Next Csg Point (ft): 15,839.03				POB: 27 Total Man Hours: 316.00				AFE(\$):		0	
Current Activity: DRILL LATERAL: 9,485' LATERAL LENGTH = 2,075'. (BIT PROJ @ 9,485' INC 90.8°, AZM:180.0°, TVD: 7,141', V.S: 2,286' ABOVE: 3.29', LEFT: .21').				LATERAL STARTS @ 7,410' @ 85°							
24 Hr Summary: TOO H. C/O BHA'S.SERVICE RIG. TIH TO SHOE. TEST MWD. FINISH IN HOLE. DRILL LATERAL 7,437' - 9,485'.											
24 Hr Forecast: DRILL LATERAL.											
MUD PROPERTIES				MUD MATERIALS				BIT RECORD			
Fluids Co.: BAROID				D M Cost(\$): \$8,538.13				Bit# 2 3		Size(in)	
Fluids Eng: Chris Harrison				C M Cost(\$): \$32,025.60				S/N RD3574 7154222		MD(ft)/TVD(ft)	
Time: 3:00 Oil Cnt (%): 27				Mud Additives Used				Size (in) 8.75 8.75		FIT/LOT(ppg)	
Location: JCTION TANK H2O Cnt (%): 65				BAROID 41 48				Mfg SMITH BAKER		14.00 65.00 / 65.00	
Pit Temp (°F) 118 Sand Cnt (%): 0.00				CALCIUM CHLORIDE PO 194				IADC Type FHI21 T606X		9.63 911.60 / 911.60	
Depth (ft): 8,441.02 MBT (lbm/bbl): 0.0				LIME 43				Model #		5.50 15,839.03 / 7,075.01	
Density (ppg): 8.80 pH: 0.0				INVERMUL 1				Jets 3X18 6X18			
FV (s/qt): 55 Pm (cc): 0.0				DURATONE HT 5				Depth In (ft) 6,715 7,437			
PV (cp): 12 PF (cc)/Mf (cc): 0.0 / 0.0				EZ MUL 1				Depth Out (ft) 7,437			
YP (lbf/100ft²): 12 Chloride (ppm): 0				BARABLOK 6				Bit Rotations / 50/60			
Gels (l): 8/13/18 Calcium (ppm): 0.00				DRILLTREAT 1				On Btm Hrs Cum 14.00			
WL (cc/30min): 10.00 LCM (lbm/bbl): 0.0				ENGINEER 24 HOURS 1				Footage Cum (ft) 2,048			
HTHP (°F): 300 ES (mV): 465.0				GELTONE 5				ROP Cum 46.6 146.3			
Cake (32nd"): 2.00 LGS (%): 4.80								WOB mm/mx (kip) / 20 / 30			
Solids: Ex Lime (ppb): 3.0								RPM rot/bit / 50 / 60			
ECD (ppg): 8.9 OWR: 70.7 / 29.3								Bit HP 2.12 1.06			
								HSI 2.85 0.71			
								PSI Drop (psi) 500.83 125.21			
								Jet Vel (ft/s) 252.21 126.11			
								Imp Force 673.87 336.94			
								Grading		I O D L B G O R	
								Bit # 2		1 1 LT H 1 I CT BHA	
								Bit # 3			

[illegible]

<div>EP ENERGY</div> <div>Daily Drilling Report Onshore</div>		Well Name/Wellbore No.: UNIVERSITY EAST 4323GH/00		Report Number: 012																										
		Country: USA State/OCSG: TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: BRANDON GREEN / DAVID WALDRUM Engineer/Manager: MOTLEY, DEREK / DERDEN, ROY		Report Date: 10/11/2014 Spud Date: 10/05/2014 Release Date: DFS: 6.00 DOL: 11 AFE Days: 10 Last BOP T.: 10/04/2014 Safety & Environmental Incident: No																										
Depth md/tvd (ft): 14,503.03 / 7,138.32 Progress (ft): 2,084.00 ROP: 2,084.0 / 23.50 = 88.68 Proposed TD (ft): 15,400.00 Next Csg Point (ft): 15,839.03		Rig: SIDEWINDER/221 Rig Phone: 713-997-1295 RKB (ft): 2,749.01 Ground Level (ft): 2,724.0 POB: 30 Total Man Hours: 328.00		<table><tr><td></td><td>Drig</td><td>Comp</td><td>Fac</td><td>Total</td></tr><tr><td>AFE #:</td><td>163292/52376</td><td></td><td></td><td></td></tr><tr><td>Day Cost(\$):</td><td>66,866</td><td>0</td><td>0</td><td>66,866</td></tr><tr><td>Cum Cost(\$)</td><td>1,241,842</td><td>0</td><td>0</td><td>1,241,842</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 #:	163292/52376				Day Cost(\$):	66,866	0	0	66,866	Cum Cost(\$)	1,241,842	0	0	1,241,842	AFE(\$):	0	0	0	0
	Drig	Comp	Fac	Total																										
AFE #:	163292/52376																													
Day Cost(\$):	66,866	0	0	66,866																										
Cum Cost(\$)	1,241,842	0	0	1,241,842																										
AFE(\$):	0	0	0	0																										
Current Activity: DRILL LATERAL: 14,503' LATERAL LENGTH = 7,093'. (BIT PROJ @ 14,503' INC 88.8°, AZM:180.5°, TVD: 7,143', V.S: 7,300' BELOW: 9.3', LEFT: 7.47'). LATERAL STARTS @ 7,410' @ 85° 24 Hr Summary: DRILL LATERAL 12,419' - 14,503'. 24 Hr Forecast: DRILL LATERAL. C&CMUD. POOH TO TOC. CIR. FINISH POOH.																														
MUD PROPERTIES		MUD MATERIALS		BIT RECORD																										
Fluids Co.: BAROID Fluids Eng: Chris Harrison Time: 3:00 Oil Cnt (%): 25 Location: JCTION TANK H2O Cnt (%): 67 Pit Temp (°F): 132 Sand Cnt (%): 0.00 Depth (ft): 13,835.03 MBT (lbm/bbl): 0.0 Density (ppg): 8.75 pH: 0.0 FV (s/qt): 51 Pm (cc): 0.0 PV (cp): 12 Pf (cc)/Mf (cc): 0.0 / 0.0 YP (lb/100ft²): 12 Chloride (ppm): 0 Gels (l): 9/14/19 Calcium (ppm): 0.00 WL (cc/30min): 10.00 LCM (lbm/bbl): 0.0 HTHP (°F): 300 ES (mV): 528.0 Cake (32nd"): 2.00 LGS (%): 4.20 Solids: Ex Lime (ppb): 3.1 ECD (ppg): 8.8 OWR: 72.9 / 27.1		D M Cost(\$): \$7,493.46 C M Cost(\$): \$48,746.63 Mud Additives Used ENGINEER 24 HOURS 1 DURATONE HT 8 MICA FINE 15 CALCIUM CHLORIDE PO 200 MICA COURSE 19 CEDAR FIBER 5 GELTONE 5 DRILLTREAT 2 BARABLOK 12 LIME 43		Bit# 3 S/N 7154222 Size (in) 8.75 Mfg BAKER IADC Type Model # T606X Jets 6X18 Depth In (ft) 7,437 Depth Out (ft) Bit Rotations 40/60 On Btm Hrs Cum 61.00 Footage Cum (ft) 7,066 ROP Cum 115.8 WOB mn/mx (kip) 20 / 30 RPM rot/bit 40 / 60 Bit HP 1.06 HSI 0.71 PSI Drop (psi) 124.50 Jet Vel (ft/s) 126.11 Imp Force 335.02																										
MUD LOGGING		Surf to Surf: 682 Lag Strokes: Lag Time: (min)		Grading I O D L B G O R Bit # Bit # 3																										
Trip Gas (units): @ Conn Gas (units))38 @ 1,160 Form:		BG Gas (units): Pore Pressure: (%)																												
BHA # 3				STRING LOADS																										
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)																									
1	SHOCK SUB	2.250	6.500	10.82	10.82																									
1	AGITATOR	2.500	6.500	12.97	23.79																									
78	26 STANDS DP	2.750	5.000	2,464.33	2,488.12																									
1	NON MAG DRILL COLLAR	3.312	6.687	30.04	2,518.17																									
1	NON MAG DRILL COLLAR	3.312	6.687	30.96	2,549.13																									
1	UBHO SUB	2.812	6.750	3.15	2,552.28																									
1	FLOAT SUB	2.812	6.750	2.72	2,555.00																									
1	6 3/4" 7/8 LOBE, 5.0 STAGE, 1.75".	1.750	6.750	24.82	2,579.82																									
1	T606X BIT	8.750	8.750	1.00	2,580.82																									
Total Length:				2,580.82																										
				BHA PROPERTIES																										
				BHA Hrs: 24 Jar Hrs: Cum String Hours: 61 Weight B Jars (kip):																										
				MUD PUMPS																										
				#1 #2 #3																										
				Pump Type: DR DR																										
				Liner ID: 6.00 6.00																										
				SPM: 70.00 70.00																										
				GPM: 293.02 293.02																										
				SPR: 1 SPM: 0.00 0.00																										
				Pressure: 0.00 0.00																										
				2 SPM: 0.00 0.00																										
				Pressure: 0.00 0.00																										
				T GPM (gpm): 580 SPP (psi): 3,800																										
				AV (DC): 403 AV (DP): 277																										
SURVEYS																														
MD (ft)		Inclination(°)		Azimuth (°)																										
13,030		91.00		179.10																										
13,125		89.50		178.90																										
13,220		88.40		179.50																										
13,315		87.90		180.20																										
13,409		89.20		181.20																										
13,503		89.70		183.50																										
13,598		90.10		182.40																										
13,694		89.70		183.10																										
OPERATION DETAILS																														
FROM	TO	HRS	OP CODE	PHASE	CODE																									
06:00	14:30	8.50	P	DRLPRD	10																									
14:30	15:00	0.50	P	DRLPRD	12																									
15:00	06:00	15.00	P	DRLPRD	10																									
Daily Operations Comments																														
6 3/4"SLICK, CONFIG:7/8/5.0, FBH-1.75", RPG:0.29, BTB:5.16, GPM RANGE 300-600, MAX DIFF 1,250PSI.(DRILLING PLAN #3 TVD:7,140', VS:3,926', DIP:90.15'')(EOC MD:7,410', INC:90.14°, AZM:180.20°, TVD:7,149', V.S:191') TOTAL OBM: 2,250BBLs.)																														

<div><div>EP ENERGY</div><div>Daily Drilling Report Onshore</div></div>				<div>Well Name/Wellbore No.: UNIVERSITY EAST 4323GH/00</div> <div>Country: USA State/OCSG TEXAS Field/Permit#: WOLFCAMP EAST Supervisors: BRANDON GREEN / DAVID WALDRUM Engineer/Manager: MOTLEY, DEREK / DERDEN, ROY</div>				<div>Report Number: 013 Report Date: 10/12/2014 Spud Date: 10/05/2014 Release Date: DFS: 7.00 DOL: 12 AFE Days: 10 Last BOP T.: 10/05/2014 Safety & Environmental Incident: No</div>				
Depth md/tvd (ft): 15,648.03 / 7,125.50						Rig: SIDEWINDER/221			Drig	Comp	Fac	Total
Progress (ft): 1,145.00						Rig Phone: 713-997-1295		AFE #:	163292/52376			
ROP: 1,145.0 / 13.50 = 84.81						RKB (ft): 2,749.01		Day Cost(\$):	92,067	0	0	92,067
Proposed TD (ft): 15,648.00						Ground Level (ft): 2,724.0		Cum Cost(\$)	1,316,109	0	0	1,316,109
Next Csg Point (ft): 15,648.03						POB: 30 Total Man Hours: 325.00		AFE(\$):	0	0	0	0
Current Activity: POOH TO RUN 5 1/2" PROD CSG @ 06:00 TRIP DEPTH = 11,041'. LATERAL LENGTH = 8,238'. (BIT PROJ @ 15,648' INC 90.8°, AZM:183.10°, TVD: 7,126.9', V.S: 8,446' ABOVE: 11.09', RIGHT: 26.27'). TD @ 15,648' @ 23:00 ON 10/11/2014.												
24 Hr Summary: DRILL LATERAL 14,503' - 15,648'. C&CMUD. POOH.												
24 Hr Forecast: FINISH POOH LD DP & BHA. PULL DRIP PAN. CO RAMS AND BAILS. RU CSG CREW. PJSM. RUN 5 1/2" PRODUCTION CASING.												
MUD PROPERTIES				MUD MATERIALS				BIT RECORD			CASING	
Fluids Co.: BAROID				D M Cost(\$): \$7,975.51				Bit#	3	Size(in)	MD(ft)/TVD(ft)	
Fluids Eng: Chris Harrison				C M Cost(\$): \$56,722.14				S/N	7154222	14.00	65.00 / 65.00	
Time: 3:00				Oil Cnt (%): 72	Mud Additives		Used	Size (in)	8.75	9.63	911.60 / 911.60	
Location: JCTION TANK				H2O Cnt (%): 28	ENGINEER 24 HOURS		1	Mfg	BAKER	5.50	15,648.03 / 7,126.01	
Pit Temp (°F): 133				Sand Cnt (%): 0.00	LIME		53	IADC Type				
Depth (ft): 15,648.03				MBT (lbm/bbl): 0.0	DRILLTREAT		2	Model #	T606X			
Density (ppg): 8.85				pH: 0.0	DURATONE HT		1	Jets	6X18			
FV (s/qt): 54				Pm (cc): 0.0	GELTONE		17	Depth In (ft)	7,437			
PV (cp): 13				Pf (cc)/Mf (cc): 0.0 / 0.0	TRANSPORTATION		258	Depth Out (ft)	15,648			
YP (lb/100ft²): 13				Chloride (ppm): 0	CALCIUM CHLORIDE PO		108	Bit Rotations	40/230			
Gels (l): 10/13/18				Calcium (ppm): 0.00	EZ MUL		1	On Btm Hrs Cum	74.50			
WL (cc/30min): 10.00				LCM (lbm/bbl): 0.0	MICA COURSE		10	Footage Cum (ft)	8,211			
HTHP (°F): 300				ES (mV): 591.0	BARABLOK		1	ROP Cum	110.2			
Cake (32nd"): 2.00				LGS (%): 5.10	PALLET		12	WOB mm/mx (kip)	25 / 35			
Solids:				Ex Lime (ppb): 3.1	SHRINK WRAP		12	RPM rot/bit	40 / 230			
ECD (ppg): 9.6				OWR: 72.1 / 27.9	INVERMUL		1	Bit HP	1.07			
					FUEL SURCHARGE .60		350	HSI	0.72			
								PSI Drop (psi)	125.92			
								Jet Vel (ft/s)	126.11			
								Imp Force	338.85			
								Grading	I O D L B G O R			
								Bit #	Bit # 3	1 2 CT G X 1 CT TD		
MUD LOGGING												
Trip Gas (units): @				BG Gas (units): 697		Surf to Surf:						
Conn Gas (units)24 @ 1,689				Pore Pressure: (%)		Lag Strokes:						
Form:						Lag Time: (min)						
BHA # 3												
Qty	Item Description			ID (in)	OD (in)	Len (ft)	Cum (ft)	STRING LOADS			MUD PUMPS	
1	T606X BIT			8.750	8.750	1.00	1.00	On Btm Torque:	21,000		#1	#2
1	6 3/4" 7/8 LOBE, 5.0 STAGE, 1.75".			1.750	6.750	24.82	25.82	Off Btm Torque:	8,500	Pump	DR	DR
1	FLOAT SUB			2.812	6.750	2.72	28.54	Str. Wt. Up:	210	Type:		
1	UBHO SUB			2.812	6.750	3.15	31.69	Str. Wt. Down:	95	Liner ID:	6.00	6.00
1	NON MAG DRILL COLLAR			3.312	6.687	30.96	62.65	Str. Wt. Rot.:	135	SPM:	70.00	70.00
1	NON MAG DRILL COLLAR			3.312	6.687	30.04	92.69	Max Over Pull:		GPM:	293.02	293.02
78	26 STANDS DP			2.750	5.000	2,464.33	2,557.03			SPR:		
1	AGITATOR			2.500	6.500	12.97	2,570.00			1 SPM:	30.00	60.00
1	SHOCK SUB			2.250	6.500	10.82	2,580.82			Pressure:	560.00	905.00
378	DP			4.276	5.000	13,067.22	15,648.03			2 SPM:	60.00	30.00
Total Length: 15,648.03										Pressure:	960.00	550.00



Daily Drilling

Report Onshore

Well Name/Wellbore No.:

UNIVERSITY EAST 4323GH/00

Country:

USA

State/OCSG

TEXAS

Field/Permit#:

WOLFCAMP EAST

Supervisors:

BRANDON GREEN / DAVID WALDRUM

Engineer/Manager:

MOTLEY, DEREK / DERDEN, ROY

Report Number:

014

Report Date:

10/13/2014

Spud Date:

10/05/2014

Release Date:

DFS: 8.00

DOL: 13

AFE Days: 10

Last BOP T.:

10/05/2014

Safety & Environmental Incident:

No

Depth md/tvd (ft):

15,648.03 / 7,125.50

Progress:

/ = 0.00

ROP:

Proposed TD (ft):

15,648.00

Next Csg Point (ft):

15,648.03

Rig:

SIDEWINDER/221

Rig Phone:

713-997-1295

RKB (ft):

2,749.01

Ground Level (ft):

2,724.0

POB:

36

Total Man Hours:

436.00

AFE #:

163292/52376

Day Cost(\$):

58,005

Cum Cost(\$):

1,374,114

AFE(\$):

0

Drig

Comp

Fac

Total

Current Activity:

RUN 5 1/2" PRODUCTION CASING @ 13,738'.

24 Hr Summary:

FINISH POOH RACKING BACK 120STDs IN DERRICK , L/D 133JTS OF 5" DP & BHA, PULL POLLUTION PAN, PJSM WITH TEAM MEMBERS, INSTALL ELEVATORS AND BAIL EXTENSIONS, R/U CSG CREW & RUN 345 OF 397 JOINTS 5 1/2" PRODUCTION CASING.

24 Hr Forecast:

FINISH RUN 5 1/2" PROD CSG. RU CEMENT HEAD AND STEEL LINES. FRACTURE AIR LOCK DISC. CIR AIR OUT OF HOLE. RIG UP COMPASS. PJSM. CEMENT W/ COMPASS.

MUD PROPERTIES

Fluids Co.:

BAROID

Fluids Eng:

Chris Harrison

Time:

23:48

Location:

JCTION TANK

Pit Temp:

Depth (ft):

15,648.03

Density (ppg):

8.85

FV (s/qt):

60

PV (cp):

13

YP (lb/100ft²):

14

Gels (l):

10/14/19

WL (cc/30min):

10.00

HTHP (°F):

300

Cake (32nd"):

2.00

Solids:

ECD:

Oil Cnt (%):

74

H2O Cnt (%):

26

Sand Cnt (%):

0.00

MBT (lbm/bbl):

0.0

pH:

0.0

Pm (cc):

0.0

Pf (cc)/Mf (cc):

0.0 / 0.0

Chloride (ppm):

0

Calcium (ppm):

0.00

LCM (lbm/bbl):

0.0

ES (mV):

621.0

LGS (%):

5.60

Ex Lime (ppb):

2.7

OWR:

73.7 / 26.3

D M Cost(\$):

\$5,992.00

C M Cost(\$):

\$62,714.14

Mud Additives

Used

BARABLOK

4

CALCIUM CHLORIDE PO

11

INVERMUL

2

LIME

20

DURATONE HT

7

BAROID 41

112

DRILLTREAT

1

GELTONE

3

ENGINEER 24 HOURS

1

Bit#

3

S/N

7154222

Size (in)

8.75

Mfg

BAKER

IADC Type

Model #

T606X

Jets

6X18

Depth In (ft)

7,437

Depth Out (ft)

15,648

Bit Rotations

/

On Btm Hrs Cum

Footage Cum (ft)

ROP Cum

110.2

WOB mn/mx (kip)

/

RPM rot/bit

/

Bit HP

0.00

HSI

0.00

PSI Drop (psi)

0.00

Jet Vel (ft/s)

0.00

Imp Force

0.00

Grading

I O D L B G O R

Bit #

Bit # 3

1 2 CT G X 1 CT TD

CASING

Size(in)

MD(ft)/TVD(ft)

FIT/LOT(ppg)

14.00

65.00 /

65.00

9.63

911.60 /

911.60

5.50

15,648.03 /

7,126.01

INVENTORY

Item

Inv

OBM DIESEL

7,286

DIESEL

13,685

SOLIDS CONTROL

Skr

Deck 1 Screens

Deck 2 Screens

1

50///

2

50///

MUD LOGGING

Trip Gas (units):

@

Conn Gas (units)

24 @ 1,689

Form:

BG Gas (units):

697

Pore Pressure:

(%)

Surf to Surf:

Lag Strokes:

Lag Time:

(min)

BHA # 3

Qty

Item Description

ID (in)

OD (in)

Len (ft)

Cum (ft)

1

T606X BIT

8.750

8.750

1.00

1.00

1

6 3/4" 7/8 LOBE, 5.0 STAGE, 1.75°.

1.750

6.750

24.82

25.82

1

FLOAT SUB

2.812

6.750

2.72

28.54

1

UBHO SUB

2.812

6.750

3.15

31.69

1

NON MAG DRILL COLLAR

3.312

6.687

30.96

62.65

1

NON MAG DRILL COLLAR

3.312

6.687

30.04

92.69

78

26 STANDS DP

2.750

5.00

EP ENERGY

Daily Drilling
Report Onshore

Well Name/Wellbore No.:
UNIVERSITY EAST 4323GH/00

Country: USA
State/OCSG TEXAS
Field/Permit#: WOLFCAMP EAST
Supervisors: BRANDON GREEN / DAVID WALDRUM
Engineer/Manager: MOTLEY, DEREK / DERDEN, ROY

Report Number: 015
Report Date: 10/14/2014
Spud Date: 10/05/2014
Release Date:
DFS: 9.00 DOL: 14 AFE Days: 10
Last BOP T.: 10/05/2014
Safety & Environmental Incident: No

Depth md/tvd (ft): 15,648.03 / 7,125.50

Progress:
ROP: / = 0.00
Proposed TD (ft): 15,648.00
Next Csg Point (ft): 15,648.03

Rig: SIDEWINDER/221
Rig Phone: 713-997-1295
RKB (ft): 2,749.01
Ground Level (ft): 2,724.0
POB: 39 Total Man Hours: 397.00

AFE #:

Day Cost(\$):

Cum Cost(\$)

AFE(\$):

163292/52376

180,406

1,554,520

0

Drig

Comp

Fac

Total

Current Activity: WELL COMPLETE.

24 Hr Summary: FINISH RUN 5 1/2" PROD CSG. RU CMT HEAD & STEEL LINES. FRACTURE DISC & FILL PIPE. DISP AIR. SWITCH LINES TO COMPASS. PJSM.
CEMENT W/ COMPASS. FLUSH STACK. ND & LIFT STACK. SET SLIPS AND ROUGH CUT. INSTALL TA CAP. RELEASE RIG 21:00 ON 10/13/2014.

24 Hr Forecast:

MUD PROPERTIES

Fluids Co.: BAROID
Fluids Eng: Chris Harrison
Time: 3:00
Location: ICTION TANK
Pit Temp:
Depth (ft): 15,648.03
Density (ppg): 8.85
FV (s/qt): 60
PV (cp): 13
YP (lb/100ft²): 14
Gels (): 10/14/19
WL (cc/30min): 10.00
HTHP ("F): 300
Cake (32nd"): 2.00
Solids:
ECD:

Oil Cnt (%): 74
H2O Cnt (%): 26
Sand Cnt (%): 0.00
MBT (lbm/bbl): 0.0
pH: 0.0
Pm (cc): 0.0
Pf (cc):/Mf (cc): 0.0 / 0.0
Chloride (ppm): 0
Calcium (ppm): 0.00
LCM (lbm/bbl): 0.0
ES (mV): 621.0
LGS (%): 5.60
Ex Lime (ppb): 2.7
OWR: 73.7 / 26.3

MUD MATERIALS

D M Cost(\$): \$900.00
C M Cost(\$): \$63,614.14
Mud Additives
ENGINEER 24 HOURS
Used
1

BIT RECORD

Bit#
S/N
Size (in)
Mfg
IADC Type
Model #

Jets

Depth In (ft)
Depth Out (ft)
Bit Rotations
On Btm Hrs Cum
Footage Cum (ft)
ROP Cum
WOB mn/mx (kip)
RPM rot/bit
Bit HP
HSI
PSI Drop (psi)
Jet Vel (ft/s)
Imp Force
Grading
Bit #
Bit #

<

EP ENERGY

Daily Drilling Report Onshore

Well Name/Wellbore No.: UNIVERSITY EAST 4323GH/00

Country: USA

State/OCSG TEXAS

Field/Permit#: WOLFCAMP EAST

Supervisors: BRANDON GREEN / DAVID WALDRUM

Engineer/Manager: MOTLEY, DEREK / DERDEN, ROY

Report Number: 015

Report Date: 10/14/2014

Spud Date: 10/05/2014

Release Date:

DFS: 9.00DOL: 14

Last BOP T.: 10/05/2014

Safety & Environmental Incident: No

AFE Days: 10

Depth md/tvd (ft): 15,648.03 / 7,125.50

Progress: / = 0.00

Proposed TD (ft): 15,648.00

Next Csg Point (ft): 15,648.03

Rig: SIDEWINDER/221

Rig Phone: 713-997-1295

RKB (ft): 2,749.01

Ground Level (ft): 2,724.0

POB: 39

Total Man Hours: 397.00

Drig

Comp

Fac

Total

AFE #:

Day Cost(\$):

Cum Cost(\$)

AFE(\$):

163292/52376

180,406

1,554,520

0

0

0

0

Current Activity: WELL COMPLETE.

24 Hr Summary: FINISH RUN 5 1/2" PROD CSG. RU CMT HEAD & STEEL LINES. FRACTURE DISC & FILL PIPE. DISP AIR. SWITCH LINES TO COMPASS. PJSM. CEMENT W/ COMPASS. FLUSH STACK. ND & LIFT STACK. SET SLIPS AND ROUGH CUT. INSTALL TA CAP. RELEASE RIG 21:00 ON 10/13/2014.

24 Hr Forecast:

MUD PROPERTIES

Fluids Co.: BAROID

Fluids Eng: Chris Harrison

Time: 3:00

Location: JCTION TANK

Pit Temp:

Depth (ft): 15,648.03

Density (ppg): 8.85

FV (s/qt): 60

PV (cp): 13

YP (lbf/100ft²): 14

Gels (l): 10/14/19

WL (cc/30min): 10.00

HTHP (°F): 300

Cake (32nd"): 2.00

Solids:

ECD:

Oil Cnt (%): 74

H2O Cnt (%): 26

Sand Cnt (%): 0.00

MBT (lbm/bbl): 0.0

pH: 0.0

Pm (cc): 0.0

Pf (cc)/Mf (cc): 0.0 / 0.0

Chloride (ppm): 0

Calcium (ppm): 0.00

LCM (lbm/bbl): 0.0

ES (mV): 621.0

LGS (%): 5.60

Ex Lime (ppb): 2.7

OWR: 73.7 / 26.3

Mud Additives

Used

ENGINEER 24 HOURS

1

Bit#

S/N

Size (in)

Mfg

IADC Type

Model #

Jets

Depth In (ft)

Depth Out (ft)

Bit Rotations

On Btm Hrs Cum

Footage Cum (ft)

ROP Cum

WOB mm/mx (kip)

RPM rot/bit

Bit HP

HSI

PSI Drop (psi)

Jet Vel (ft/s)

Imp Force

Grading

I

O

D

L

B

G

O

R

Bit #

Bit #

Size(in)

MD(ft)/TVD(ft)

FIT/LOT(ppg)

14.00

65.00 /

65.00

9.63

911.60 /

911.60

5.50

15,648.03 /

7,126.01

INVENTORY

Item

Inv

OBM DIESEL

DIESEL

0

0

SOLIDS CONTROL

Skr

Deck 1 Screens

Deck 2 Screens

1

50///

2

50///

MUD LOGGING

Trip Gas (units): @

Conn Gas (units): 24 @ 1,689

Form:

BG Gas (units): 697

Surf to Surf:

Lag Strokes:

Lag Time: (min)

Pore Pressure: (%)

MUD PUMPS

#1

#2

#3

Pump Type:

Liner ID: 0.00

SPM: 0.00

GPM: 0.00

SPR:

1 SPM: 0.00

Pressure: 0.00

2 SPM: 0.00

Pressure: 0.00

T GPM (gpm):

SPP (psi):

AV (DC): 403

AV (DP): 277

SURVEYS

MD (ft)

Inclination(°)

Azimuth (°)

TVD (ft)

V Section (ft)

+E/-W (ft)

+N/-S (ft)

Dog Leg (°/100ft)

14,928

87.90

181.90

7,136

7,725.29

333.21

-7,726.50

0.67

15,023

90.60

183.60

7,138

7,820.17

328.65

-7,821.37

3.36

15,117

90.70

182.80

7,136

7,914.04

323.41

-7,915.21

0.86

15,212

92.30

181.40

7,134

8,008.95

319.93

-8,010.11

2.24

15,307

93.40

180.50

7,129

8,103.82

318.35

-8,104.98

1.50

15,401

91.00

180.70

7,126

8,197.74

317.37

-8,198.90

2.56

15,495

88.70

181.60

7,126

8,291.72

315.48

-8,292.87

2.63

15,590

90.80

183.10

7,126

8,386.64

311.59

-8,387.78

2.72

OPERATION DETAILS

FROM

TO

HRS

OP CODE

PHASE

CODE

ACTIVITY

DESCRIPTION

06:00

08:00

2.00

P

CASPRD1

24

RUNCAS

FINISH RUNNING 5 1/2" 17# P-110 LTC CASING TO 15,648'. FLOAT COLLAR @ 15,606'. ORIO @ 15,559'. MID LATERAL MARKER @ 11,539'. BOC MARKER @ 7,417'. NCS FLOATATION COLLAR @ 7,251'. TOC MARKER @ 6,733'. RAN 76 CENTRALIZERS EVERY 3RD JOINT TO KOP.

08:00

08:30

0.50

P

CASPRD1

42

OTHER

RIG UP CIRCULATING LINES AND CEMENT HEAD

08:30

11:00

2.50

P

CASPRD1

15

CIRC

RUPTURE AIR LOCK DISK, @ 746 PSI., FILL PIPE AND CIRCULATE AIR OUT OF HOLE

11:00

11:30

0.50

P

CASPRD1

41

SFTYMTG

SWITCH LINES TO COPASS. PJSM . TEST LINES TO 7000 PSI.

11:30

13:30

2.00

P

CASPRD1

25

PRIMCEM

PUMP 40 BBLS OF 10# TUNED SPACER, PUMPED 600 SKS 11.5#. 2.57 YLD. 16.64 GAL/SK C/POZ. PUMP 1610 SKS 14.4#. 1.41 YLD. 6.65 GAL/SK H/POZ

13:30

14:30

1.00

P

CASPRD1

25

PRIMCEM

DISPLACE W/ 362.8 BBLS WATER. PLUG DID NOT BUMP.

14:30

15:30

1.00

P

CASPRD1

42

OTHER

FLUSH BOP STACK, FLOWLINE AND FLOW MANIFOLD.

15:30

16:30

1.00

P

CASPRD1

42

OTHER

RIG DOWN COMPASS

16:30

19:00

2.50

P

CASPRD1

29

NDBOPE

NIPPLE DOWN BOP, LIFT STACK, SET CSG SLIPS, ROUGH CUT CSG.

19:00

21:00

2.00

P

CASPRD1

29

NDBOPE

FINISH NIPPLE DOWN BOPE. FINISH CUT CSG. INSTALL TA CAP. RELEASE RIG @ 21:00 ON 10/13/2014.

21:00

00:30

3.50

P

RDMO

02

RDMO

PREPARE TO WALK RIG TO UE 43-23 FH

Daily Operations Comments