



AMERICAN ENERGY - PERMIAN BASIN, LLC
UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD
AEPB WELL NO.

Report End Date: 3/15/2016
Report Number: 1
Rig: INTEGRITY, 3
Projected Days (days): 0
Drilling Days:
End MD (ftKB): 0
Depth Progress (ft):
Planned VS (ft):
Current VS (ft):
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El...	RKB (ft)	County REAGAN	State TEXAS			
Report Summary										
Well Spud Date	Total Depth Date	Rig Release Date	Target Formation WFMPD_410_SH		Proposed TD (ftKB)					
Status at Report Time MIRU INTEGRITY 3										
Operations Summary MIRU INTEGRITY 3 RIG.				Planned Operations DRILL TO 721FT.						
SPOKE TO KAY AT TRRC 03/14/16 AT 23:30. JOB NUMBER PENDING.										
Start MD (ftKB)	End MD (ftKB)	Depth Progress (ft)		Drilling Time (hr)		Avg ROP (ft/hr)				
0	0	0								
Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
15:00	05:00	14.00	61	61	MIRU INTEGRITY 3.				RIG UP/RIG DOWN	



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AMERICAN ENERGY - PERMIAN BASIN, LLC
UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD
AEPB WELL NO.

Report End Date: 3/16/2016
Report Number: 3
Rig: INTEGRITY, 3
Projected Days (days): 0
Drilling Days:
End MD (ftKB): 728
Depth Progress (ft): 0
Planned VS (ft):
Current VS (ft):
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary

Well Spud Date 3/15/2016	Total Depth Date	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB)
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Status at Report Time
RIG RELEASED. WAITING ON BIG RIG.

Operations Summary PUMPED SURFACE CEMENT, TESTED CASING, RDMO CEMENTERS, CUT OFF CASING, RELEASED RIG 03/16/16 08:00.	Planned Operations WAIT ON BIG RIG.
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Start MD (ftKB) 728	End MD (ftKB) 728	Depth Progress (ft) 0	Drilling Time (hr)	Avg ROP (ft/hr)
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Time Log

Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	07:30	2.50	728	728	R/U CREST CEMENT HEAD. TESTED LINES TO 2500psi/5min. MIXED AND PUMPED 13 3/8in SURFACE CASING PRIMARY CEMENT JOB AS FOLLOWS: 186bbls OF WATER AHEAD TO LOAD HOLE AND WASH DOWN CASING, 40bbls GEL SPACER, 30bbls WATER SPACER, 40bbls GEL SPACER, 30bbls WATER SPACER, 156bbls OF 12.8ppg LEAD SLURRY AT 5bpm, 101bbls OF 14.8ppg TAIL SLURRY AT 5bpm. DROPPED INTEGRITY TOP PLUG AND DISPLACED CEMENT WITH 101bbls OF WATER AT 5bpm. 50 GOOD bbls RETURNS, BUMPED PLUG AT 910. LEAD SLURRY: 156bbls (475sx, 1.85cuft/sx) 35/65 POZ C WITH 3% BWOC SoCl, 0.25lb/bbl CELLOFANE FLAKE, 9.50gal/sx FRESH WATER. TAIL SLURRY: 101bbls (425sx, 1.34cuft/sx) CLASS C PREMIUM PLUS WITH 2% CaCl, 0.25lb/bbl CELLOFANE FLAKE, 6.35gal/sx FRESH WATER.	SURF	VERT	CSG/CEMENT	RUN CEMENT	
07:30	08:00	0.50	728	728	RDMO INTEGRITY 3. RIG RELEASED 03/16/16 AT 08:00.	SURF	VERT	CSG/CEMENT	RIG UP/RIG DOWN	



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AMERICAN ENERGY - PERMIAN BASIN, LLC
UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD
AEPB WELL NO.

Report End Date: 3/16/2016
Report Number: 2
Rig: INTEGRITY, 3
Projected Days (days): 0
Drilling Days:
End MD (ftKB): 728
Depth Progress (ft): 667
Planned VS (ft):
Current VS (ft):
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary					
Well Spud Date	Total Depth Date	Rig Release Date	Target Formation	Proposed TD (ftKB)	
			WFMPD_410_SH		
Status at Report Time					
PUMPING SURFACE CEMENT					
Operations Summary			Planned Operations		
PU BHA, DRILL F/ 21 FT TO 728 FT, SWEEP HOLE, TOO, RUN 13 3/8 SURFACE CASING AND BEGIN PUMPING CEMENT.			FINISH PUMPING SURFACE CEMENT, TEST CASING, RDMO		
Start MD (ftKB)	End MD (ftKB)	Depth Progress (ft)	Drilling Time (hr)	Avg ROP (ft/hr)	
61	728	667	9.50	70.2	

Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	06:00	1.00	61	61	PU BHA 1.	SURF	VERT	DRILL	P/U & L/D BHA	Yes
06:00	15:00	9.00	61	715	SPUD WELL 03/15/16 AT 06:00. ROTATE DRILL FROM 61ft - 715ft, 654ft AT 72.66fph 100% ROTATE, FULL RETURNS. WATER FLOW AT 411	SURF	VERT	DRILL	DRILL W/ AIR	
15:00	22:00	7.00	715	715	RIG SHUT DOWN. TROUBLESHOOTING AND REPAIRING ISSUE.	SURF	VERT	DRILL	REPAIR RIG	
22:00	22:30	0.50	715	715	TIH	SURF	VERT	DRILL	TRIPS	
22:30	23:00	0.50	715	728	ROTATE DRILL FROM 715ft - 728ft, 13ft AT 26fph 100% ROTATE, FULL RETURNS. .	SURF	VERT	DRILL	DRILL W/ AIR	
23:00	00:00	1.00	728	728	PUMP SWEEPS	SURF	VERT	DRILL	COND MUD & CIRC	
00:00	02:00	2.00	728	728	TOOH	SURF	VERT	DRILL	TRIPS	
02:00	02:30	0.50	728	728	LD BHA 1	SURF	VERT	DRILL	P/U & L/D BHA	
02:30	04:30	2.00	728	728	RAN 707ft (17jts) OF 13.375in J-55 54.5ppf BTC SURFACE CASING. TAGGED BOTTOM AT 707ft KB. ANTELOPE BOW SPRING CENTRALIZERS INSTALLED ON EVERY 4TH JOINT. ANTELOPE SHOE AT 707ft. ANTELOPE FLOAT COLLAR AT ft. WASH DOWN LAST 2 JOINTS AND LOAD HOLE W/ FRESH WATER	SURF	VERT	DRILL	RUN CASING	
04:30	05:00	0.50	728	728	R/U CREST CEMENT HEAD. TESTED LINES TO 2500psi/5min. MIXED AND PUMPED 13 3/8in SURFACE CASING PRIMARY CEMENT JOB	SURF	VERT	DRILL	RUN CEMENT	



AMERICAN ENERGY - PERMIAN BASIN, LLC
UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD
AEPB WELL NO. 122

Report End Date: 3/24/2016
Report Number: 4
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days:
End MD (ftKB): 728
Depth Progress (ft): 0
Planned VS (ft):
Current VS (ft):
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary							
Well Spud Date 3/15/2016	Total Depth Date	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725			

Status at Report Time HOOKING UP CYLINDERS TO SQUAT RIG FLOOR	
Operations Summary MOVE DRILL PIPE , PREPARE FOR RIG MOVE	Planned Operations RIG DOWN , MOVE TO UNIVERSITY 10 RE 0620 HD
HRS FROM RIG RELEASE 11 UNIVERSITY 10 RE 0606 HS (WALK)	

Start MD (ftKB) 728	End MD (ftKB) 728	Depth Progress (ft) 0	Drilling Time (hr)	Avg ROP (ft/hr)
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Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
18:00	05:00	11.00	728	728	CHANGE OUT GRABBER DIES ON TOP DRIVE, REMOVE DOUBLE BALL VALVES, INSTALL ARMS FOR LINK TILT CYLINDERS, HANG BLOCKS, CLOSE DOORS ON DRAG CHAIN, CLEAR FLOOR, UNHANG TONGS, RETRACT CAT HEADS, RIG DOWN TM-120, UNPLUG BOTH TOP DOG HOUSES,	MOB	MOB	MOB	RIG UP/RIG DOWN	



AMERICAN ENERGY - PERMIAN BASIN, LLC

UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD AEPB WELL NO. 122

Report End Date: 3/25/2016
Report Number: 5
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days:
End MD (ftKB): 728
Depth Progress (ft): 0
Planned VS (ft):
Current VS (ft):
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary							
Well Spud Date 3/15/2016	Total Depth Date	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725			

Status at Report Time RIGGING UP PITS		Planned Operations FINISH MOVING RIG , RIG UP					
Operations Summary RIG DOWN , MOVE TO UNIVERSITY 10 RE 0620 HD, FLOOR SQUATED AT 10:00 , DERRICK DOWN AT 12:30 RIG DOWN 100 % MOVED 95 % SET IN 60 % RIGGED UP 15% MOVING WITH K E CONSTRUCTION , 12 HAUL TRUCKS , 2 TANDEM , 2 GIN TRUCKS , 2 FORKLIFTS , 3 CRANES HRS FROM RIG RELEASE 35 UNIVERSITY 10 RE 0606 HS (WALK)							

Start MD (ftKB) 728	End MD (ftKB) 728	Depth Progress (ft) 0	Drilling Time (hr)	Avg ROP (ft/hr)
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Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	05:00	24.00	728	728	RIG DOWN, MOVE TO UNIVERSITY 10 RE 0620HD. FLOOR SQUATED AT 10:00 , DERRICK DOWN AT 12:30 , HAULED 50 LOADS , SET PIT, ENGINES , PUMPS , VFD HOUSE , DIESEL TANKS , SHAKER SKID , MOVED ALL HOUSES , INSPECTED 195 JOINTS DRILL PIPE , 1 SHOP JOINT, 0 HARD BAND,PULL WIRES FOR ENGINES AND PITS , RIG UP PITS	MOB	MOB	MOB	RIG UP/RIG DOWN	



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AMERICAN ENERGY - PERMIAN BASIN, LLC
UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD
AEPB WELL NO. 122

Report End Date: 3/26/2016
Report Number: 6
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days:
End MD (ftKB): 728
Depth Progress (ft): 0
Planned VS (ft):
Current VS (ft):
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary							
Well Spud Date 3/15/2016	Total Depth Date	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725			

Status at Report Time PULL TROLLEY OFF TOP DRIVE							
Operations Summary FINISH MOVE TO UNIVERSITY 10 RE 0620HD, SET SUBS, BUILD DERRICK, STRING UP DERRICK SET MUD HOUSE. RIGGING UP SOLIDS CONTROL EQUIPMENT.RAISE DERRICK AT 19:15 , RAISE RIG FLOOR AT 23:30. RIG DOWN 100% MOVED 100% SET IN 98% RIGGED UP 75% RIGGING UP WITH K E CONSTRUCTION DRILL PIPE INSPECTION : 315 JOINTS GOOD AFTER REFACING , 1 SHOP JOINT HRS FROM RIG RELEASE 59 UNIVERSITY 10 RE 0606 HS (WALK)				Planned Operations CONTINUE TO RIG UP, NIPPLE UP AND TEST , P/U 12 1/4 INTERMEDIATE BHA			
Start MD (ftKB) 728	End MD (ftKB) 728	Depth Progress (ft) 0	Drilling Time (hr)	Avg ROP (ft/hr)			

Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	05:00	24.00	728	728	FINISH RIG MOVE, 100% MOVED, 90% SET IN, 60% RIGGED UP. SET SUBS, BUILD DERRICK, SET MUD HOUSE, SET WATER TANKS, RIGGING UP SOLIDS CONTROL EQUIPMENT. CHANGE HYDRILL RUBBER , DERRICK UP AT 19:15 ,AFTER RAISING DERRICK WHEN PINNED INSIDE PINS WENT IN, OUTSIDE PIN WOULDNT GO IN ,PREPARE AND RAISE SUBS UP AT 23:30 , SET WALKING FEET , BOP WINCHES , PULL AND HOOK UP ELECTRICAL, AIR , HYD LINES TO DRILLER CABIN AND ODS HOUSE , DRAWWORKS , POWER UP DRILLERS CABIN , SET FRONT STAIRS , UNIT MECH PULLED PIN SHOOTERS TO FREE UP AND LUBRACATE , SPOOL UP DRAWWORKS , TEST TM 120 , TEST MUD PUMPS.	MOB	MOB	MOB	RIG UP/RIG DOWN	



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AMERICAN ENERGY - PERMIAN BASIN, LLC
UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD
AEPB WELL NO. 122

Report End Date: 3/27/2016
Report Number: 7
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days:
End MD (ftKB): 728
Depth Progress (ft): 0
Planned VS (ft): 9,930
Current VS (ft):
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary							
Well Spud Date 3/15/2016	Total Depth Date	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725			

Status at Report Time INSTALLING TURN BUCKLES		Planned Operations P/U 12 1/4 INTERMEDIATE BHA , DRILL 12 1/4 INTERMEDIATE SECTION					
Operations Summary RIGGING UP, K E CONSTRUCTION FINISHED RIG MOVE AT 09:00 HOURS, 3-26-2016. HOOKING UP HYDRAULIC LINES AND ELECTRIC LINES, NIPPLE UP AND TEST BOPE. MOVED 100% SET IN 100% RIGGED UP 100% DRILL PIPE INSPECTION : AFTER REFACING 435 GOOD JOINTS , 1 SHOP JOINT HRS FROM RIG RELEASE 83 UNIVERSITY 10 RE 0606 HS (WALK)							

Start MD (ftKB) 728	End MD (ftKB) 728	Depth Progress (ft) 0	Drilling Time (hr)	Avg ROP (ft/hr)
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Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	16:00	11.00	728	728	RIG UP, HOOK UP HYDRAULIC LINES, ELECTRIC LINES, HOOK UP MUD TRANSFER LINES, CHANGE SWIVEL PACKING.	MOB	MOB	MOB	RIG UP/RIG DOWN	
16:00	20:30	4.50	728	728	REMOVED WELL CAP . INSTALLED SPACER SPOOLS, SET BOP AND NIPPLED UP. INSTALLED ROTATING HEAD ,TORQUE FLANGE'S	MOB	MOB	MOB	NIPPLE UP B.O.P./WELLHEAD	
20:30	01:30	5.00	728	728	HELD PJSM AND TESTED CHOKE 250 LOW 5,000 HIGH FOR 5 MINUTES, TESTED SURFACE LINES , IBOP , MANUAL VALVE , DART , TIW, TOP, BOTTOM AND BLIND RAMS 250 LOW 5,000 HIGH FOR 5 MINUTE'S, HYDRIL 250 LOW 3,500 HIGH. TESTED BACK TO PUMPS 250 LOW 5,000 HIGH.	MOB	MOB	MOB	TEST B.O.P	
01:30	05:00	3.50	728	728	INSTALL DRIP PAN, HOOK UP FILL UP LINE, CLEAN RIG FLOOR TO PICK UP BHA, INSTALL TURNBUCKLES AND CENTER STACK. LAYOUT DIRECTIONAL BHA #2. INSTALL WEAR BUSHING, L/D WEAR BUSHING PULLER, AND INSTALL CELLAR COVERS , PERFORM DRAW DOWN TEST.	MOB	MOB	MOB	NIPPLE UP B.O.P./WELLHEAD	



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AMERICAN ENERGY - PERMIAN BASIN, LLC

UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD AEPB WELL NO. 122

Report End Date: 3/28/2016
Report Number: 8
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 1
End MD (ftKB): 2,002
Depth Progress (ft): 1,274
Planned VS (ft): 9,930
Current VS (ft): 39
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary				
Well Spud Date 3/15/2016	Total Depth Date	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725

Status at Report Time DRILLING AT 2002 ft				
Operations Summary INSTALL MOUSEHOLE, CLEAN RIG FLOOR,INSTALL TRIP NIPPLE, LINE UP FLOW LINE AND PUMPS, SET UP TN-120, MAKE UP BHA #2, TIH. INSTALL ROTATING HEAD, DRILL CEMENT AND FLOAT EQUIPMENT FROM 663 ft TO 728 ft. SPUD WELL 3/27/2016 AT 16:30 HOURS, ROTATE AND SLIDE FROM 728 ft TO 2002 ft (1274 FT) AT 106.2fph LAST SURVEY AT 1839 ft , INC 10.1 , AZI 205.2 , TVD 1836.41 , VS 39.22 , 14.1 ABOVE , 5.0 RIGHT MUD WT 9.3 , VIS 51 DRILL PIPE INSPECTION ; 574 GOOD JOINTS AFTER REFACING , 200 BOXES , 44 PINS , 1 SHOP JOINT HRS FROM RIG RELEASE TO SPUD 94.5 BIG RIG SPUD DATE : 3/27/2016 AT 16:30 UNIVERSITY 10 RE 0606 HS (WALK)			Planned Operations DRILL 12 1/4 INTERMEDIATE SECTION	
Start MD (ftKB) 728	End MD (ftKB) 2,002	Depth Progress (ft) 1,274	Drilling Time (hr) 12.00	Avg ROP (ft/hr) 106.2

Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	08:00	3.00	728	728	INSTALL MOUSEHOLE, CLEAN RIG FLOOR,INSTALL TRIP NIPPLE, LINE UP FLOW LINE AND PUMPS, SET TN-120.	MOB	MOB	MOB	NIPPLE UP B.O.P./WELLHEAD	
08:00	10:30	2.50	728	728	MAKE UP BHA #2, P/U MOTOR, STB, MONEL #1, M/U BIT, TEST MOTOR, P/U MONEL #2.	MOB	MOB	MOB	P/U & L/D BHA	
10:30	11:30	1.00	728	728	P/U GAP SUB, INSTALL EM TOOL, PROGRAM EM TOOL.	MOB	MOB	MOB	P/U & L/D BHA	
11:30	13:00	1.50	728	728	P/U 2 MONELS, SHOCK SUB, X-OVER AND 1 6 1/2 DC.	MOB	MOB	MOB	P/U & L/D BHA	
13:00	14:00	1.00	728	728	TIH, TAGGED CEMENT @ 663 ft.	MOB	MOB	MOB	TRIPS	
14:00	16:30	2.50	728	728	INSTALL ROTATING HEAD, DRILL CEMENT AND FLOAT EQUIPMENT FROM 663 ft TO 728 ft.	MOB	MOB	MOB	REAMING	
16:30	19:00	2.50	728	961	ROTATE/SLIDE DRILL 12 1/4 in. INTERMEDIATE HOLE FROM 728 ft TO 961 ft = 233 ft AT 93.2 fph. ROTATE DRILL: 233 ft IN 2.50 HOURS, 93.2 fph AVERAGE ROP. SLIDE DRILL : 0 ft IN 0 HOURS, 0 fph AVERAGE ROP. ROTATE, 100% SLIDE, 0% FULL RETURNS *SPUD WELL ON 3/27/2016 AT 16:30 HRS	INT	DIR	DRILL	DRILL W/ MUD	
19:00	19:30	0.50	961	961	CHANGE OUT ROTATING HEAD	INT	DIR	DRILL	REPAIR RIG	Yes
19:30	05:00	9.50	961	2,002	ROTATE/SLIDE DRILL 12 1/4 in. INTERMEDIATE HOLE FROM 961 ft TO 2002 ft = 1041 ft AT 109.5 fph. ROTATE DRILL: 943 ft IN 6.75 HOURS, 139.7 fph AVERAGE ROP. SLIDE DRILL : 98 ft IN 2.75 HOURS, 35.6 fph AVERAGE ROP. ROTATE, 90% SLIDE, 10% FULL RETURNS	INT	DIR	DRILL	DRILL W/ MUD	



AMERICAN ENERGY
PARTNERS

AMERICAN ENERGY - PERMIAN BASIN, LLC

UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD AEPB WELL NO. 122

Report End Date: 3/29/2016
Report Number: 9
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 2
End MD (ftKB): 3,470
Depth Progress (ft): 1,468
Planned VS (ft): 9,930
Current VS (ft): 280
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary							
Well Spud Date 3/15/2016	Total Depth Date	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725			

Status at Report Time DRILLING AT 3470 ft							
Operations Summary ROTATE AND SLIDE FROM 2002 ft TO 3470 ft (1468 FT) AT 72.5 fph WELL FLOWING , GAIN 10 BBLS , WELL FLOWING + - 300 bph , CIRC RAISE MUD WT TO 9.6 , CIRCULATE SURFACE TO SURFACE 5100 STROKES , CHECK FLOW , WELL STATIC LAST SURVEY AT 3346 ft , INC 9.9, AZI 204.1 , TVD 3318.25, VS -280.14, 26.8 ABOVE , 1.7 RIGHT MUD WT 9.6 , VIS 54 BIG RIG SPUD DATE : 3/27/2016 AT 16:30 UNIVERSITY 10 RE 0606 HS (WALK)				Planned Operations DRILL 12 1/4 INTERMEDIATE SECTION TO +/- 7150 ft.			

Start MD (ftKB) 2,002	End MD (ftKB) 3,470	Depth Progress (ft) 1,468	Drilling Time (hr) 20.25	Avg ROP (ft/hr) 72.5
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Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	17:30	12.50	2,002	2,943	ROTATE/SLIDE DRILL 12 1/4 in. INTERMEDIATE HOLE FROM 2002 ft TO 2943 ft = 941 ft AT 75.3 fph. ROTATE DRILL: 899 ft IN 11.25 HOURS, 79.9 fph AVERAGE ROP. SLIDE DRILL : 42 ft IN 1.25 HOURS, 33.6 fph AVERAGE ROP. ROTATE, 95% SLIDE, 5% FULL RETURNS	INT	DIR	DRILL	DRILL W/ MUD	
17:30	18:00	0.50	2,943	2,943	SERVICE RIG	INT	DIR	DRILL	LUBRICATE RIG	
18:00	22:45	4.75	2,943	3,260	ROTATE/SLIDE DRILL 12 1/4 in. INTERMEDIATE HOLE FROM 2943 ft TO 3260 ft = 317 ft AT 66.7 fph. ROTATE DRILL: 302 ft IN 4.25 HOURS, 71.0 fph AVERAGE ROP. SLIDE DRILL : 15 ft IN .50 HOURS, 30.0 fph AVERAGE ROP. ROTATE, 95% SLIDE, 5% FULL RETURNS	INT	DIR	DRILL	DRILL W/ MUD	
22:45	02:00	3.25	3,260	3,260	WELL FLOWING , GAIN 10 BBLS , WELL FLOWING + -300 bph , CIRC RAISE MUD WT TO 9.6 , CIRCULATE SURFACE TO SURFACE 5100 STROKES , CHECK FLOW , WELL STATIC	INT	DIR	DRILL	COND MUD & CIRC	
02:00	05:00	3.00	3,260	3,470	ROTATE/SLIDE DRILL 12 1/4 in. INTERMEDIATE HOLE FROM 3260 ft TO 3470 ft = 210 ft AT 70.0 fph. ROTATE DRILL: 210 ft IN 3.00 HOURS, 70.0 fph AVERAGE ROP. SLIDE DRILL : 0 ft IN 0 HOURS, 0 fph AVERAGE ROP. ROTATE, 100% SLIDE, 0% FULL RETURNS	INT	DIR	DRILL	DRILL W/ MUD	



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AMERICAN ENERGY - PERMIAN BASIN, LLC
UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD
AEPB WELL NO. 122

Report End Date: 3/30/2016
Report Number: 10
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 3
End MD (ftKB): 5,645
Depth Progress (ft): 2,175
Planned VS (ft): 9,930
Current VS (ft): 602
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary							
Well Spud Date 3/15/2016	Total Depth Date	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725			

Status at Report Time DRILLING AT 5645							
Operations Summary ROTATE AND SLIDE FROM 3470 ft TO 5645 ft (2175 FT) AT 92.6 fph LAST SURVEY AT 5511 ft , INC 5.5, AZI 207 , TVD 5451.33, VS -601.97, 18.5 ABOVE , 0.4 RIGHT MUD WT 9.6 , VIS 50 , LCM 8 # BIG RIG SPUD DATE ; 3/27/2016 AT 16:30 UNIVERSITY 10 RE 0606 HS (WALK)				Planned Operations DRILL 12 1/4 INTERMEDIATE SECTION TO +/- 7150 ft.			
Start MD (ftKB) 3,470	End MD (ftKB) 5,645	Depth Progress (ft) 2,175	Drilling Time (hr) 23.50	Avg ROP (ft/hr) 92.6			

Time Log											
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT	
05:00	16:30	11.50	3,470	4,732	ROTATE/SLIDE DRILL 12 1/4 in. INTERMEDIATE HOLE FROM 3470 ft TO 4732 ft = 1262ft AT 109.7 fph. ROTATE DRILL: 1185 ft IN 9.0 HOURS, 131.6 fph AVERAGE ROP. SLIDE DRILL : 77 ft IN 2.50 HOURS, 30.8 fph AVERAGE ROP. ROTATE, 93% SLIDE, 7% FULL RETURNS	INT	DIR	DRILL	DRILL W/ MUD		
16:30	17:00	0.50	4,732	4,732	SERVICE RIG	INT	DIR	DRILL	LUBRICATE RIG		
17:00	05:00	12.00	4,732	5,645	ROTATE/SLIDE DRILL 12 1/4 in. INTERMEDIATE HOLE FROM 4732 ft TO 5645 ft = 913 ft AT 76.0 fph. ROTATE DRILL: 811 ft IN 8.25 HOURS, 98.3 fph AVERAGE ROP. SLIDE DRILL : 102 ft IN 3.75 HOURS, 27.2 fph AVERAGE ROP. ROTATE, 88% SLIDE, 12% FULL RETURNS	INT	DIR	DRILL	DRILL W/ MUD		



AMERICAN ENERGY
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AMERICAN ENERGY - PERMIAN BASIN, LLC

UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD AEPB WELL NO. 122

Report End Date: 3/31/2016
Report Number: 11
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 4
End MD (ftKB): 6,286
Depth Progress (ft): 641
Planned VS (ft): 9,930
Current VS (ft): 617
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary				
Well Spud Date 3/15/2016	Total Depth Date	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725

Status at Report Time LAYING DOWN BHA # 2				
Operations Summary ROTATE AND SLIDE 12 1/4 in. INTERMEDIATE SECTION FROM 5,645 ft TO 6,286 ft (641 ft.) AT 37.2 fph , CIRCULATE BOTTOM'S UP , CHECK FLOW (NO FLOW) , PUMP SLUG , TRIP OUT OF HOLE TO 204 ft , LAYING DOWN 12 1/4 BHA #2 SURVEY AT 6,173 ft , INC 0.2° , AZI 340.3° , TVD 6,111.74 ft. , VS -617.06 ft. , 1.4 ABOVE , 0.2 LEFT MUD WT 9.65, VIS 44, LCM 10# BIG RIG SPUD DATE ; 3/27/2016 AT 16:30 UNIVERSITY 10 RE 0606 HS (WALK)			Planned Operations FINISH C/O BHA , TRIP IN HOLE , DRILL 12 1/4 INTERMEDIATE SECTION TO +/- 7150 ft.	
Start MD (ftKB) 5,645	End MD (ftKB) 6,286	Depth Progress (ft) 641	Drilling Time (hr) 17.25	Avg ROP (ft/hr) 37.2

Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	16:30	11.50	5,645	6,148	ROTATE/SLIDE DRILL 12 1/4 in. INTERMEDIATE HOLE FROM 5,645 ft TO 6,148 ft = 503 ft AT 44.7 fph. ROTATE DRILL: 451 ft IN 7.50 HOURS, 60.1 fph AVERAGE ROP. SLIDE DRILL : 52 ft IN 4.00 HOURS, 13.0 fph AVERAGE ROP. ROTATE, 97% SLIDE, 03% FULL RETURNS NOTE: TRANSFER LIGHT MUD FROM MUD FRAC TANKS, TOOK ON 90 bbls. OF WATER DUE TO MUD WEIGHT FALLING FROM 9.6 ppg. TO 9.45 ppg. ADJUSTED AND GOT MUD WEIGHT TO 9.65 ppg AND WELLBORE STABILIZED.	INT	DIR	DRILL	DRILL W/ MUD	
16:30	17:00	0.50	6,148	6,148	RIG SERVICE: GREASE AND CHECK FLUID LEVELS ON DRILLING EQUIPMENT. SERVICE TOPDRIVE	INT	DIR	DRILL	LUBRICATE RIG	
17:00	22:30	5.50	6,148	6,286	ROTATE/SLIDE DRILL 12 1/4 in. INTERMEDIATE HOLE FROM 6,148 ft TO 6,286 ft = 138 ft AT 25.0 fph. ROTATE DRILL: 138 ft IN 5.50 HOURS, 25.0 fph AVERAGE ROP. SLIDE DRILL : 0 ft IN 0 HOURS, 0 fph AVERAGE ROP. ROTATE, 100% SLIDE, 0% FULL RETURNS	INT	DIR	DRILL	DRILL W/ MUD	
22:30	00:00	1.50	6,286	6,286	CIRCULATE BOTTOM'S UP , BUILD SLUG , CHECK FLOW , (WELL STATIC	INT	DIR	DRILL	COND MUD & CIRC	
00:00	04:30	4.50	6,286	6,286	TRIP OUT OF HOLE TO 204 ft	INT	DIR	DRILL	TRIPS	
04:30	05:00	0.50	6,286	6,286	LAYING DOWN 12 1/4 BHA # 2	INT	DIR	DRILL	P/U & L/D BHA	



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AMERICAN ENERGY - PERMIAN BASIN, LLC

UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD AEPB WELL NO. 122

Report End Date: 4/1/2016
Report Number: 12
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 5
End MD (ftKB): 6,570
Depth Progress (ft): 284
Planned VS (ft): 9,930
Current VS (ft): 617
AFE Number: 1550336

API 42383395950000		Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6		Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS	
Report Summary										
Well Spud Date 3/15/2016		Total Depth Date		Rig Release Date		Target Formation WFMPD_410_SH			Proposed TD (ftKB) 18,725	
Status at Report Time DRILLING AT 6,570										
Operations Summary L/D 12 1/4 in. INTERMEDIATE BHA #2, P/U 12 1/4 in. INTERMEDIATE BHA #3, TIH TO 2,960 ft., WASH AND REAM FROM 2,960 ft. TO 6,286 ft. ROTATE AND SLIDE 12 1/4 in. INTERMEDIATE SECTION FROM 6,286 ft TO 6,570 ft (284 ft.) AT 40.6 fph SURVEY AT 6,452 ft , INC 0.1°, AZI 183.4°, TVD 6,391.74 ft., VS -616.79 ft., 1.6 ABOVE , 0.1 LEFT MUD WT 9.65, VIS 44, LCM 10# BIG RIG SPUD DATE ; 3/27/2016 AT 16:30 UNIVERSITY 10 RE 0606 HS (WALK)						Planned Operations DRILL 12 1/4 INTERMEDIATE SECTION TO +/- 7150 ft				
Start MD (ftKB) 6,286		End MD (ftKB) 6,570		Depth Progress (ft) 284		Drilling Time (hr) 7.50		Avg ROP (ft/hr) 37.9		
Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	07:30	2.50	6,286	6,286	MAKE UP SMITH SDSI616MEPX BIT (SIERAL JM0248), P/U SHOCK SUB, DRILL COLARS	INT	DIR	DRILL	P/U & L/D BHA	Yes
07:30	08:00	0.50	6,286	6,286	TIH WITH 5 STANDS TO 678 ft. BRAKE OFF SINGLE AND STAB ROTATING HEAD	INT	DIR	DRILL	TRIPS	
08:00	08:30	0.50	6,286	6,286	PULL TRIP NIPPLE AND INSTALL ROTATING HEAD	INT	DIR	DRILL	BOP/OTHER	
08:30	09:00	0.50	6,286	6,286	RIG SERVICE: GREASE AND CHECK FLUID LEVELS ON DRILLING EQUIPMENT. SERVICE TOPDRIVE. C/O VALVE ON ROTATING HEAD.	INT	DIR	DRILL	REPAIR RIG	
09:00	11:00	2.00	6,286	6,286	TIH WITH BHA #3 FROM 678 ft. TO 2,960 ft., WELLBORE GIVING CALCULATED DISPLACEMENT. (WASHED 1 STAND DOWN AT 1,547 ft. TO 1,629 ft.)	INT	DIR	DRILL	TRIPS	
11:00	21:30	10.50	6,286	6,286	WASH AND REAM FROM 2,960 ft TO 6,286 ft	INT	DIR	DRILL	REAMING	
21:30	23:30	2.00	6,286	6,300	ROTATE/SLIDE DRILL 12 1/4 in. INTERMEDIATE HOLE FROM 6,286 ft TO 6,300 ft = 14 ft AT 9.3 fph. ROTATE DRILL: 14 ft IN 1.50 HOURS, 9.3 fph AVERAGE ROP. SLIDE DRILL : 0 ft IN 0 HOURS, 0 fph AVERAGE ROP. ROTATE, 100% SLIDE, 0% FULL RETURNS	INT	DIR	DRILL	DRILL W/ MUD	
23:30	05:00	5.50	6,300	6,570	ROTATE/SLIDE DRILL 12 1/4 in. INTERMEDIATE HOLE FROM 6,300 ft TO 6,570 ft = 270 ft AT 49.0 fph. ROTATE DRILL: 270 ft IN 5.50 HOURS, 49.0 fph AVERAGE ROP. SLIDE DRILL : 0 ft IN 0 HOURS, 0 fph AVERAGE ROP. ROTATE, 100% SLIDE, 0% FULL RETURNS	INT	DIR	DRILL	DRILL W/ MUD	



AMERICAN ENERGY
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AMERICAN ENERGY - PERMIAN BASIN, LLC
UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD
AEPB WELL NO. 122

Report End Date: 4/2/2016
Report Number: 13
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 6
End MD (ftKB): 6,745
Depth Progress (ft): 175
Planned VS (ft): 9,930
Current VS (ft): 617
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary							
Well Spud Date 3/15/2016	Total Depth Date	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725			

Status at Report Time WASHING AND REAMING AT 5,800 ft							
Operations Summary ROTATE/SLIDE 12 1/4 in. INTERMEDIATE SECTION FROM 6,570 ft TO 6,745 ft (175 ft.) AT 18.4 fph, CIRCULATE FOR TRIP DUE TO PENETRATION RATE, T.O.H. T/ 204 , C/O BIT AND MOTOR , T.I.H. T/ 5,685 ft , WASH AND REAM F/ 5,685 ft TO 5,800 ft SURVEY AT 6,642 ft , INC 0.1°, AZI 127.2°, TVD 6,581.74 ft., VS -617.25 ft., 1.1 ABOVE , 0.1 LEFT MUD WT 9.65, VIS 46, LCM 08# BIG RIG SPUD DATE ; 3/27/2016 AT 16:30 UNIVERSITY 10 RE 0606 HS (WALK)				Planned Operations FINISH WASHING AND REAMING TO 6,745 , DRILL 12 1/4 INTERMEDIATE SECTION TO +/- 7150 ft			
Start MD (ftKB) 6,570	End MD (ftKB) 6,745	Depth Progress (ft) 175	Drilling Time (hr) 9.50	Avg ROP (ft/hr) 18.4			

Time Log											
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT	
05:00	14:30	9.50	6,570	6,745	ROTATE/SLIDE DRILL 12 1/4 in. INTERMEDIATE HOLE FROM 6,570 ft TO 6,745 ft = 175 ft AT 18.4 fph. ROTATE DRILL: 175 ft IN 9.50 HOURS, 18.4 fph AVERAGE ROP. SLIDE DRILL : 0 ft IN 0 HOURS, 0 fph AVERAGE ROP. ROTATE, 100% SLIDE, 0% FULL RETURNS	INT	DIR	DRILL	DRILL W/ MUD		
14:30	15:30	1.00	6,745	6,745	CIRCULATE FOR TRIP DUE TO PENETRATION RATE. BUILD SLUG, FILL TRIP TANK, AND PREPARE FOR TRIP. FLOW CHECK (WELL STATIC), PUMP SLUG	INT	DIR	DRILL	COND MUD & CIRC		
15:30	20:30	5.00	6,745	6,745	POOH OF BIT AND BHA C/O. CONTINUOUS FILL ON BACKSIDE WITH TRIP TANK. WELLBORE TAKING CALCULATED FILL. TO 204'	INT	DIR	DRILL	TRIPS		
20:30	01:00	4.50	6,745	6,745	LAY DOWN SHOCK SUB,RACK COLLARS IN DERRICK , DRAIN MOTOR , BREAK BIT , P/U AND M/U SECURITY 12 1/4 MM65D (SERIAL 12757365) AND 8" 7/8 ,4.0 STG MOTOR ,1.75 FIXED W/ SLICK SLEEVE (SERIAL C2-203033) ,BREAK GAP SUB CHANGE 2 BATTERIES PROGRAM EM TOOL, T.I.H. W/ COLLARS , P/U SHOCK SUB	INT	DIR	DRILL	P/U & L/D BHA		
01:00	04:30	3.50	6,745	6,745	TRIP IN HOLE (SLM) TO 5,685 ft	INT	DIR	DRILL	TRIPS		
04:30	05:00	0.50	6,745	6,745	WASH AND REAM FROM 5,685 ft TO 5,800 ft	INT	DIR	DRILL	REAMING		



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AMERICAN ENERGY - PERMIAN BASIN, LLC

UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD AEPB WELL NO. 122

Report End Date: 4/3/2016
Report Number: 14
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 7
End MD (ftKB): 7,216
Depth Progress (ft): 471
Planned VS (ft): 9,930
Current VS (ft): 626
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary				
Well Spud Date 3/15/2016	Total Depth Date	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725

Status at Report Time MAKE UP SHOE TRACK				
Operations Summary WASH AND REAM F/ 5,800 ft TO 6,745 ft, ROTATE/SLIDE 12 1/4 in. INTERMEDIATE SECTION FROM 6,745 ft TO 7,216 ft (471 ft. AT 72.5 fph) , CIRC 3 BTM'S UP , CHECK FLOW , T.O.H. L/D BHA # 4 ,PULL WEAR BUSHING, PJSM R/U EXPRESS CASING TO RUN 9 5/8, M/U SHOE TRACK TEST FLOAT SURVEY AT 7,138 ft , INC 1.9°, AZI 157.1°, TVD 7,077.62 ft., VS -625.68 ft., 7.3 BELOW , 3.8 RIGHT MUD WT 9.60, VIS 47, LCM 08# BIG RIG SPUD DATE ; 3/27/2016 AT 16:30 UNIVERSITY 10 RE 0606 HS (WALK)			Planned Operations RUN 9 5/8 CASING , CEMENT , PACK OFF 9 5/8 , P/U CURVE BHA	
Start MD (ftKB) 6,745	End MD (ftKB) 7,216	Depth Progress (ft) 471	Drilling Time (hr) 6.50	Avg ROP (ft/hr) 72.5

Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	10:00	5.00	6,745	6,745	WASH AND REAM FROM 5,800 ft. TO 6,745 ft., NO ISSUES	INT	DIR	DRILL	REAMING	
10:00	15:45	5.75	6,745	7,176	ROTATE/SLIDE DRILL 12 1/4 in. INTERMEDIATE HOLE FROM 6,745 ft TO 7,176 ft = 431 ft AT 75.0 fph. ROTATE DRILL: 416 ft IN 5.00 HOURS, 83.2 fph AVERAGE ROP. SLIDE DRILL: 15 ft IN 0.75 HOURS, 20.0 fph AVERAGE ROP. ROTATE, 96% SLIDE, 4% FULL RETURNS	INT	DIR	DRILL	DRILL W/ MUD	
15:45	16:15	0.50	7,176	7,176	RIG SERVICE: GREASE AND CHECK FLUID LEVELS ON DRILLING EQUIPMENT. SERVICE TOPDRIVE.	INT	DIR	DRILL	LUBRICATE RIG	
16:15	17:00	0.75	7,176	7,216	ROTATE/SLIDE DRILL 12 1/4 in. INTERMEDIATE HOLE FROM 7,176 ft TO 7,216 ft = 40 ft AT 53.3 fph. ROTATE DRILL: 40 ft IN 0.75 HOURS, 53.3 fph AVERAGE ROP. SLIDE DRILL: 00 ft IN 0.0 HOURS, 0.0 fph AVERAGE ROP. ROTATE, 100% SLIDE, 0% FULL RETURNS	INT	DIR	DRILL	DRILL W/ MUD	
17:00	20:00	3.00	7,216	7,216	CIRCULATE FOR 9 5/8 in. INTERMEDIATE CASING RUN DUE TO INTERMEDIATE SECITON TD. CIRCULATING AT 746 gpm AND 50 rpm ON ROTARY. CIRCULATE 3 BOTTOM'S UP, FLOW CHECK (WELL STATIC), PUMP SLUG	INT	DIR	DRILL	COND MUD & CIRC	
20:00	00:00	4.00	7,216	7,216	TRIP OUT OF HOLE TO 198 ft	INT	DIR	DRILL	TRIPS	
00:00	02:00	2.00	7,216	7,216	L/D: X-O 6/1/2 DC,X-O , SHOCK SUB , 2-MONEL'S,EMSUB,2-MONEL'S ,8" MOTOR 1.75 SERIAL C2-203033 , SECURITY 12 1/4 MM65D BIT SERIAL 12757365	INT	DIR	DRILL	P/U & L/D BHA	
02:00	03:00	1.00	7,216	7,216	PULL WEAR BUSHING , CLEAR RIG FLOOR , PULL ELEVATOR'S	INT	DIR	DRILL	BOP/OTHER	
03:00	04:30	1.50	7,216	7,216	HELD PJSM WITH EXPRESS CASING CREW, RIG CREW, TP AND CO-MAN. RIG UP 9 5/8 in. CASING RUNNING TOOLS	INT	DIR	CSG/CEMENT	RUN CASING	
04:30	05:00	0.50	7,216	7,216	M/U SHOE TRACK, TEST FLOATS,	INT	DIR	CSG/CEMENT	RUN CASING	



AMERICAN ENERGY
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AMERICAN ENERGY - PERMIAN BASIN, LLC

UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD
AEPB WELL NO. 122

Report End Date: 4/4/2016
Report Number: 15
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 8
End MD (ftKB): 7,216
Depth Progress (ft): 0
Planned VS (ft): 9,930
Current VS (ft): 626
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary				
Well Spud Date 3/15/2016	Total Depth Date	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725

Status at Report Time TRIPPING IN HOLE AT 2,000 ft				
Operations Summary FINISH M/U AND TESTING SHOE TRACK TEST FLOAT, RUN 9 5/8 in. INTERMEDIATE CASING TO 7,216 ft., P/U AND LAND THE LANDING MANDREL, CIRCULATE FOR CEMENT JOB , CEMENT 9 5/8 CASING ,TEST 9 5/8 CASING TO 1500 , FLUSH STACK , INSTALL PACK OFF , TEST TO 3,000 PSI, INSTALL WEAR BUSHING,P/U CURVE BHA # 5 , T.I.H. TO 2,000 ft SURVEY AT 7,138 ft , INC 1.9°, AZI 157.1°, TVD 7,077.62 ft., VS -625.68 ft., 7.3 BELOW , 3.8 RIGHT MUD WT 9.60, VIS 50, LCM 08# BIG RIG SPUD DATE ; 3/27/2016 AT 16:30 UNIVERSITY 10 RE 0606 HS (WALK)			Planned Operations FINISH TRIPPING IN HOLE , DRLG OUT , DRLG VERTICAL SECTION , BUILD CURVE	
Start MD (ftKB)	End MD (ftKB)	Depth Progress (ft)	Drilling Time (hr)	Avg ROP (ft/hr)
7,216	7,216	0		

Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	13:30	8.50	7,216	7,216	FINISH M/U SHOE TRACK, TESTED FLOATS, RAN 9 5/8 INTERMEDIATE CASING, TOTAL JOINTS RUN 162 + HANGER, PUP JOINT AND LANDING JOINT. 71 jts. OF HCL-80 TO 3,954.8 ft., 91 jts. OF J-55 TO SURFACE, SHOE SET AT 7,204 ft, FLOAT COLLAR AT 7,109.8 ft. P/U TAG JOINT TAGGED AT 7,216 ft , L/D TAG JOINT	INT	DIR	CSG/CEMENT	RUN CASING	
13:30	14:00	0.50	7,216	7,216	PICK UP PUP JOINT, LANDING MANDREL, AND LANDING JOINT TO LAND OUT 9 5/8 in. CASING, SET ON MANDREL 290K - 42K BLOCK WT. = 248K	INT	DIR	CSG/CEMENT	RUN CASING	
14:00	16:30	2.50	7,216	7,216	R/U CREST CEMENTING HEAD, DROP BALL TO ACTIVATE FLOATS (180 psi TO ACTIVATE), AND CIRCULATED CAPACITY AND HALF OF CASING VOLUME (8,781 STROKES) FULL RETURNS THROUGHOUT CIRCULATION. STAGE PUMPS UP TO 75 spm AT 241 psi.	INT	DIR	CSG/CEMENT	COND MUD & CIRC	
16:30	20:00	3.50	7,216	7,216	PJSM WITH CREST CEMENTERS AND RIG CREW. R/U CEMENT LINES TO CEMENT HEAD, PUMP 2 bbls. OF FRESH WATER TO FLUSH LINES AND PRESSURE TEST LINES TO 2,000 psi. PUMPED CEMENT JOB AS FOLLOWS: 50 bbls 10.2 ppg 40.0 lbs/bbl. LCM/WEIGHTED C-63 + DURA FIBER SPACER; LEAD = 1,095 SACKS (513 bbls) 50/50 (POZ/C), 11.5 ppg, 2.63 yd, 14.82 gps; TAIL = 205 SACKS (59 bbls) C+ CEMENT, 13.2 ppg, 1.61 yd, 7.98 gps. WITNESSED MANUAL DROPPING OF PLUG, DISPLACED WITH 539 bbls OF 12.5 ppg OBM. PUMP 479 bbls AT PUMP RATE AVG 6 bpm, SLOWED RATE TO 3 bpm FOR THE LAST 60 bbls. BUMPED PLUG, PRESSURE BEFORE BUMPING PLUG WAS 340 psi, PRESSURE INCREASE TO 910 psi (570 OVER), BLEED OFF PRESSURE, BLEED 2 bbls BACK , FLOATS HELD, ESTIMATED TOP OF LEAD AT SURFACE, ESTIMATED TOP OF TAIL AT 6,282 ft., FULL RETURNS. GOT 50 bbls. SPACER AND 25 bbls.(53 SACKS) CEMENT TO SURFACE.	INT	DIR	CSG/CEMENT	RUN CEMENT	
20:00	20:30	0.50	7,216	7,216	PRESSURE TEST 9 5/8 in. INTERMEDIATE CASING WITH CEMENT TRUCK, CASING PRESSURE TEST OF 1,500 psi. FOR 30 mins. CHART ON CEMENTING PRESSURE LOG (TEST GOOD)	INT	DIR	CSG/CEMENT	RUN CASING	
20:30	21:00	0.50	7,216	7,216	RIGGED DOWN CEMENTERS AND PUMPED THROUGH BOP WITH WATER.	INT	DIR	CSG/CEMENT	RUN CEMENT	
21:00	22:00	1.00	7,216	7,216	BACKED OUT LANDING JOINT AND LAID DOWN. REMOVED CASING ELEVATORS. INSTALLED RIG DP ELEVATORS , (CLEANING PITS)	INT	DIR	CSG/CEMENT	RUN CASING	
22:00	00:00	2.00	7,216	7,216	PU JOINT OF HWDP, MU PACK OFF, RAN IN HOLE AND SET PACK OFF. TESTED PACK OFF TO 3000 psi (GOOD TEST). BACKED OUT OF PACK OFF AND LAID DOWN JOINT OF HWDP (CLEANING PITS)	INT	DIR	CSG/CEMENT	BOP/OTHER	
00:00	01:00	1.00	7,216	7,216	INSTALL WEAR BUSHING , CLEAR RIG FLOOR (CLEAN PITS)	INT	DIR	CSG/CEMENT	BOP/OTHER	
01:00	03:30	2.50	7,216	7,216	P/U & M/U : 6 3/4 MOTOR 2.38 FIXED SERIAL C2-171182 , 8 3/4 PDC LOGIC BIT SERIAL SO9708 , X-O SUB , NM FLEX PONY DC ,NM FLEX DC , NM D-PIN SUB , GAP SUB , NM FLEX DC , NM FLEX DC , SHOCK SUB , BHA # 5 , (CLEAN PITS)	INT	DIR	CSG/CEMENT	P/U & L/D BHA	
03:30	05:00	1.50	7,216	7,216	TRIP IN HOLE TO 2,000 ft	INT	DIR	CSG/CEMENT	TRIPS	



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AMERICAN ENERGY - PERMIAN BASIN, LLC

UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD AEPB WELL NO. 122

Report End Date: 4/5/2016
Report Number: 16
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 9
End MD (ftKB): 7,900
Depth Progress (ft): 684
Planned VS (ft): 9,930
Current VS (ft): 626
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary							
Well Spud Date 3/15/2016	Total Depth Date	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725			

Status at Report Time BUILDING CURVE AT 7,900 ft							
Operations Summary T.I.H. TO 7,108 ft., DRILL 9 5/8 in. CASING SHOE TRACK AND OPEN HOLE CEMENT FROM 7,108 ft. TO 7,216 ft., DRILL 8 3/4 in. PRODUCTION VERTICAL FROM 7,216 ft. TO 7,745 ft. (529 ft. AT 36.5 fph) , ROTATE/SLIDE DRILL 8 3/4 in. PRODUCTION CURVE FROM 7,745 ft TO 7,900 ft (155 ft AT 31.0 fph) SURVEY AT 7,798 ft , INC 8.1°, AZI 355.6°, TVD 7,737.30 ft., VS -626.07 ft., 7.7 BELOW, 2.2 RIGHT MUD WT 11.8, VIS 63 BIG RIG SPUD DATE ; 3/27/2016 AT 16:30 UNIVERSITY 10 RE 0606 HS (WALK)				Planned Operations FINISH BUILDING CURVE , T.O.H. FOR LATERAL BHA			
Start MD (ftKB) 7,216	End MD (ftKB) 7,900	Depth Progress (ft) 684	Drilling Time (hr) 19.50	Avg ROP (ft/hr) 35.1			

Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	08:00	3.00	7,216	7,216	TIH WITH 8 3/4 in. VERTICAL/CURVE BHA #5 TO 7,108 ft., FILLING DRILL STRING EVERY 30 STANDS, WELLBORE GIVING CALCULATED DISPLACEMENT.	INT	DIR	CSG/CEMENT	TRIPS	
08:00	09:00	1.00	7,216	7,216	DRILL 9 5/8 in. INTERMEDIATE CASING SHOE TRACK FROM 7,108 ft. TO 7,204 ft., DRILL OPEN HOLE CEMENT TO 7,216 ft. 5K WOB, WASHING AT 350 gpm, AND REAMING AT 20 rpm.	INT	DIR	CSG/CEMENT	REAMING	
09:00	15:30	6.50	7,216	7,412	ROTATE/SLIDE DRILL 8 3/4 in. VERTICAL HOLE FROM 7,216 ft TO 7,412 ft = 196 ft AT 30.2 fph. ROTATE DRILL: 181 ft IN 5.75 HOURS, 31.5 fph AVERAGE ROP. SLIDE DRILL: 15 ft IN 0.75 HOURS, 20.0 fph AVERAGE ROP. ROTATE, 92% SLIDE, 08% FULL RETURNS	PROD	DIR	DRILL	DRILL W/ MUD	
15:30	16:00	0.50	7,412	7,412	RIG SERVICE: GREASE AND CHECK FLUID LEVELS ON DRILLING EQUIPMENT. SERVICE TOPDRIVE.	PROD	DIR	DRILL	LUBRICATE RIG	
16:00	00:00	8.00	7,412	7,745	ROTATE/SLIDE DRILL 8 3/4 in. VERTICAL HOLE FROM 7,412 ft TO 7,745 ft = 333 ft AT 41.6 fph. ROTATE DRILL: 333 ft IN 8.00 HOURS, 41.6 fph AVERAGE ROP. SLIDE DRILL: 0.0 ft IN 0.0 HOURS, 0.0 fph AVERAGE ROP. ROTATE, 100% SLIDE, 0% FULL RETURNS	PROD	DIR	DRILL	DRILL W/ MUD	
00:00	05:00	5.00	7,745	7,800	ROTATE/SLIDE DRILL 8 3/4 in. PRODUCTION CURVE FROM 7,745 ft TO 7,900 ft = 155 ft AT 31.0 fph. ROTATE DRILL: 0.0 ft IN 0.0 HOURS, 0.0 fph AVERAGE ROP. SLIDE DRILL: 155 ft IN 5.0 HOURS, 31.0 fph AVERAGE ROP. ROTATE, 0% SLIDE, 100% FULL RETURNS	PROD	CURVE	DRILL	DRILL W/ MUD	



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AMERICAN ENERGY - PERMIAN BASIN, LLC
UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD
AEPB WELL NO. 122

Report End Date: 4/6/2016
Report Number: 17
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 10
End MD (ftKB): 8,852
Depth Progress (ft): 952
Planned VS (ft): 9,930
Current VS (ft): 59
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary							
Well Spud Date 3/15/2016	Total Depth Date	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725			

Status at Report Time TROUBLESHOOT EM TOOL							
Operations Summary ROTATE/SLIDE DRILL 8 3/4 in. PRODUCTION CURVE FROM 7,900 ft TO 8,852 ft (948 ft AT 41.2 fph). TROUBLESHOOT EM TOOL. SURVEY AT 8,777 ft , INC 77.9°, AZI 0.5°, TVD 8,352.53 ft., VS 59.34 ft., DLS- 2.60°, DLN- 7.70°, 11.6ft AHEAD, 0.3 RIGHT MUD WT 11.9, VIS 59 BIG RIG SPUD DATE ; 3/27/2016 AT 16:30 UNIVERSITY 10 RE 0606 HS (WALK)				Planned Operations CIRCULATE HOLE CLEAN. TRIP OUT OF HOLE FOR LATERAL ASSEMBLY. TRIP IN HOLE. SOFT LAND CURVE. DRILL LATERAL.			
Start MD (ftKB) 7,900	End MD (ftKB) 8,852	Depth Progress (ft) 952	Drilling Time (hr) 23.00	Avg ROP (ft/hr) 41.4			

Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	04:00	23.00	7,800	8,852	ROTATE/SLIDE DRILL 8 3/4 in. PRODUCTION CURVE FROM 7,900 ft TO 8852ft = 948 ft AT 41.2 fph. ROTATE DRILL: 503ft IN 10.5 HOURS, 47.9 fph AVERAGE ROP. SLIDE DRILL : 449 ft IN 12.5 HOURS, 35.9 fph AVERAGE ROP. ROTATE, 53% SLIDE, 47% FULL RETURNS	PROD	CURVE	DRILL	DRILL W/ MUD	
04:00	05:00	1.00	8,852	8,852	TROUBLESHOOT EM TOOL (LOST SIGNAL)	PROD	CURVE	DRILL	DIRECTIONAL WORK	Yes



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AMERICAN ENERGY - PERMIAN BASIN, LLC

UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD
AEPB WELL NO. 122

Report End Date: 4/7/2016
Report Number: 18
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 11
End MD (ftKB): 8,949
Depth Progress (ft): 97
Planned VS (ft): 9,930
Current VS (ft): 136
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary				
Well Spud Date 3/15/2016	Total Depth Date	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725

Status at Report Time DRILLING CURVE AT 8949 ft	Operations Summary TROUBLESHOOT EM TOOL, CIRCULATE FOR TOOH, TOOH TO 150 ft., L/D BHA No. 5 (8 3/4 in. CURVE ASSEMBLY), P/U BHA No. 6 (8 3/4 in. LATERAL ASSEMBLY). TRIPPED IN HOLE TO 7970 ft WITH LATERAL BHA. REAMED THROUGH CURVE FROM 7970 ft TO 8852 ft. CHANGED OUT ROTATING HEAD RUBBER. ROTATE SLIDE DRILL FROM 8852 ft TO 8949 ft. SURVEY AT 8,855 ft , INC 83.4°, AZI 0.1°, TVD 8,365.02 ft., VS 136.27 ft., DLS- 6.62°, DLN- 7°, 5ft ABOVE, 0 RIGHT/LEFT MUD WT 11.8+, VIS 61 BIG RIG SPUD DATE : 3/27/2016 AT 16:30 UNIVERSITY 10 RE 0606 HS (WALK)	Planned Operations DRILL LATERAL SECTION TO PROPOSED TD OF 18725 ft.
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Start MD (ftKB) 8,852	End MD (ftKB) 8,949	Depth Progress (ft) 97	Drilling Time (hr) 2.50	Avg ROP (ft/hr) 38.8
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Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	06:30	1.50	8,852	8,852	CIRCULATE FOR POOH DUE TO DOWNHOLE EM TOOL FAILURE, PUMPING AT 510 gpm AND NO ROTATING. FLOW CHECK (WELL STATIC)	PROD	CURVE	DRILL	COND MUD & CIRC	
06:30	08:00	1.50	8,852	8,852	POOH WITH WET STRING TO TOP OF THE CURVE AT 7,645 ft. CONTINUES FILL ON BACKSIDE WITH TRIP TANK, WELLBORE TAKING CALCULATED FILL. PUMP WEIGHTED SLUG	PROD	CURVE	DRILL	TRIPS	
08:00	12:30	4.50	8,852	8,852	POOH TO TOP OF THE BHA No. 5 AT 150 ft. CONTINUES FILL ON BACKSIDE WITH TRIP TANK, WELLBORE TAKING CALCULATED FILL.	PROD	CURVE	DRILL	TRIPS	
12:30	13:00	0.50	8,852	8,852	REMOVE HYDRAULIC SLIPS, PULL ROTATING HEAD, AND INSTALL FLOW NIPPLE	PROD	CURVE	DRILL	BOP/OTHER	
13:00	15:00	2.00	8,852	8,852	L/D BHA No. 5: RACK BACK DOUBLE MONEL AND SHOCK SUB WITH SINGLE DRILL PIPE, BREAK OUT GAP SUB AND INSPECT EM TOOL FOR DAMAGE, BREAK DOWN EM TOOL AND L/D GAP SUB, DRAIN MUD MOTOR, BREAK OUT BIT, L/D PONY MONEL AND MUD MOTOR. GRADED BIT No. 5: PDC LOGIC 8 3/4 in. PLD516 S5 1-1-WT-A-X-0-NO-DTF	PROD	CURVE	DRILL	P/U & L/D BHA	
15:00	17:30	2.50	8,852	8,852	P/U BHA No. 6: P/U MONEL AND MUD MOTOR, TEST MUD MOTOR, M/U BIT No. 6, M/U AND UPLOAD EM TOOL, SCRIBE MUD MOTOR, M/U 2 MONELS OUT OF DERRICK, L/D 1 JOINT OF DRILL PIPE.	PROD	CURVE	DRILL	P/U & L/D BHA	
17:30	18:00	0.50	8,852	8,852	RIG SERVICE: GREASE AND CHECK FLUID LEVELS ON DRILLING EQUIPMENT. SERVICE TOPDRIVE.	PROD	CURVE	DRILL	LUBRICATE RIG	
18:00	19:00	1.00	8,852	8,852	TROUBLESHOOT TM-120	PROD	CURVE	DRILL	REPAIR RIG	Yes
19:00	00:30	5.50	8,852	8,852	TIH WITH 8 3/4 in. LATERAL BHA #6 TO 7,970 ft., FILLING DRILL STRING EVERY 30 STANDS, WELLBORE GIVING CALCULATED DISPLACEMENT.	PROD	CURVE	DRILL	TRIPS	
00:30	02:00	1.50	8,852	8,852	WASH AND REAM THROUGH CURVE FROM 7,970 ft TO 8,852 ft.	PROD	CURVE	DRILL	REAMING	
02:00	02:30	0.50	8,852	8,852	CHANGED OUT ROTATING HEAD RUBBER.	PROD	CURVE	DRILL	NIPPLE UP B.O.P./WELLHEAD	Yes
02:30	05:00	2.50	8,852	8,949	ROTATE/SLIDE DRILL 8 3/4 in. PRODUCTION CURVE FROM 8,852 ft TO 8,949 ft = 97 ft AT 38.8 fph. ROTATE DRILL: 15 ft IN 0.25 HOURS, 60 fph AVERAGE ROP. SLIDE DRILL : 82 ft IN 2.25 HOURS, 36.4 fph AVERAGE ROP. ROTATE, 16% SLIDE, 84% FULL RETURNS	PROD	CURVE	DRILL	DRILL W/ MUD	



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AMERICAN ENERGY - PERMIAN BASIN, LLC

UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD AEPB WELL NO. 122

Report End Date: 4/8/2016
Report Number: 19
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 12
End MD (ftKB): 10,836
Depth Progress (ft): 1,887
Planned VS (ft): 9,930
Current VS (ft): 1,957
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary				
Well Spud Date 3/15/2016	Total Depth Date	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725

Status at Report Time DRILLING LATERAL AT 10,836 ft.				
Operations Summary ROTATE/SLIDE DRILL 8 3/4 in. LATERAL FROM 8,949 ft TO 9,895 ft. (946 ft. AT 86 fph). ROTATE/SLIDE CONTROLLED AT 150 FPH FROM 9895 ft TO 9988 ft (93 ft AT 93 fph). SERVICED RIG. ROTATE/SLIDE CONTROLLED AT 100 FPH FROM 9988 ft TO 10,836 ft (848 ft AT 73.7 fph). MIXING LCM FOR LOSSES SURVEY AT 10,679 ft , INC 89.7°, AZI 3.4°, TVD 8,385.53 ft., VS 1957.11 ft., DLS- 1.25°, 6.5 ft ABOVE, 6.3 RIGHT MUD WT 11.8+, VIS 56 BIG RIG SPUD DATE ; 3/27/2016 AT 16:30 UNIVERSITY 10 RE 0606 HS (WALK)			Planned Operations DRILL LATERAL SECTION TO PROPOSED TD OF 18,725 ft.	
Start MD (ftKB) 8,949	End MD (ftKB) 10,836	Depth Progress (ft) 1,887	Drilling Time (hr) 23.50	Avg ROP (ft/hr) 80.3

Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	16:00	11.00	8,949	9,867	ROTATE/SLIDE DRILL 8 3/4 in. PRODUCTION LATERAL FROM 8,949 ft TO 9,895 ft = 946 ft AT 86.0 fph. ROTATE DRILL: 802 ft IN 7.0 HOURS, 114.6 fph AVERAGE ROP. SLIDE DRILL : 144 ft IN 4.0 HOURS, 36.0 fph AVERAGE ROP. ROTATE, 85% SLIDE, 15% WELLBORE SEEPING AT 13 bph, PUMPING LCM SWEEPS WITH 20 ppb LCM FINES, MIXING 6 sph OF CEDAR FIBER AND 6 sph OF WALNUT MEDIUM IN SUCTION.	PROD	LAT	DRILL	DRILL W/ MUD	
16:00	17:00	1.00	9,867	9,988	ROTATE/SLIDE CONTROL DRILL 8 3/4 in. PRODUCTION LATERAL FROM 9,895 ft TO 9,988 ft = 93 ft AT 93.0 fph. ROTATE DRILL: 78 ft IN 0.50 HOURS, 156.0 fph AVERAGE ROP. SLIDE DRILL : 15 ft IN 0.50 HOURS, 30.0 fph AVERAGE ROP. ROTATE 84%, SLIDE 16% CONTROL DRILL AT 150 fph, PUMPING LCM SWEEPS WITH 20 ppb LCM FINES, MIXING 6 sph OF CEDAR FIBER, 6 sph OF COTTONSEED HULLS, AND 6 sph OF WALNUT MEDIUM IN SUCTION.	PROD	LAT	DRILL	DRILL W/ MUD	
17:00	17:30	0.50	9,988	9,988	RIG SERVICE: GREASE AND CHECK FLUID LEVELS ON DRILLING EQUIPMENT. SERVICE TOPDRIVE.	PROD	LAT	DRILL	LUBRICATE RIG	
17:30	05:00	11.50	9,988	10,836	ROTATE/SLIDE CONTROL DRILL 8 3/4 in. PRODUCTION LATERAL FROM 9,988 ft TO 10,836 ft = 848 ft AT 73.7 fph. ROTATE DRILL: 758 ft IN 9 HOURS, 84.2 fph AVERAGE ROP. SLIDE DRILL : 90 ft IN 2.5 HOURS, 36 fph AVERAGE ROP. ROTATE 89%, SLIDE 11% CONTROL DRILL AT 100 fph, PUMPING LCM SWEEPS WITH 20 ppb LCM, MIXING 10 sph OF CEDAR FIBER, 10 sph OF COTTONSEED HULLS, AND 10 sph OF WALNUT MEDIUM IN SUCTION.	PROD	LAT	DRILL	DRILL W/ MUD	



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AMERICAN ENERGY - PERMIAN BASIN, LLC

UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD AEPB WELL NO. 122

Report End Date: 4/9/2016
Report Number: 20
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 13
End MD (ftKB): 12,359
Depth Progress (ft): 1,523
Planned VS (ft): 9,930
Current VS (ft): 3,461
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary				
Well Spud Date 3/15/2016	Total Depth Date	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725

Status at Report Time DRILLING LATERAL AT 12,359 ft.				
Operations Summary ROTATE/SLIDE CONTROLLED AT 150 FPH FROM 10,836 ft TO 11,610 ft (774 ft AT 64.5 fph). SERVICED RIG. ROTATE/SLIDE CONTROLLED AT 175 FPH FROM 11,610 ft TO 12,359 ft (749 ft AT 65.1 fph). MIXING LCM IN SWEEPS FOR LOSSES SURVEY AT 12,187 ft , INC 86.4°, AZI 359.7°, TVD 8,407.56 ft., VS 3461.30 ft., DLS- 2.23", 8.2 ft BELOW, 16.2 RIGHT MUD WT 11.8, VIS 58 BIG RIG SPUD DATE : 3/27/2016 AT 16:30 UNIVERSITY 10 RE 0606 HS (WALK)			Planned Operations DRILL LATERAL SECTION TO PROPOSED TD OF 18,725 ft.	
Start MD (ftKB) 10,836	End MD (ftKB) 12,359	Depth Progress (ft) 1,523	Drilling Time (hr) 23.50	Avg ROP (ft/hr) 64.8

Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	17:00	12.00	10,836	11,610	ROTATE/SLIDE CONTROL DRILL 8 3/4 in. PRODUCTION LATERAL FROM 10,836 ft TO 11,610 ft = 774 ft AT 64.5 fph. ROTATE DRILL: 572 ft IN 6.75 HOURS, 84.7 fph AVERAGE ROP. SLIDE DRILL : 202 ft IN 5.25 HOURS, 38.5 fph AVERAGE ROP. ROTATE 74%, SLIDE 26% LOSSES SLOWING CONTROL DRILL AT 130 fph, PUMPING LCM SWEEPS WITH 25 ppb LCM INCREASE PUMP RATE AND ROP AS WELLBORE ALLOWED	PROD	LAT	DRILL	DRILL W/ MUD	
17:00	17:30	0.50	11,610	11,610	RIG SERVICE: GREASE AND CHECK FLUID LEVELS ON DRILLING EQUIPMENT. SERVICE TOPDRIVE.	PROD	LAT	DRILL	LUBRICATE RIG	
17:30	05:00	11.50	11,610	12,359	ROTATE/SLIDE CONTROL DRILL 8 3/4 in. PRODUCTION LATERAL FROM 11,610 ft TO 12,359 ft = 749 ft AT 65.1 fph. ROTATE DRILL: 574 ft IN 6.25 HOURS, 91.8 fph AVERAGE ROP. SLIDE DRILL : 175 ft IN 5.25 HOURS, 33.3 fph AVERAGE ROP. ROTATE 77%, SLIDE 23% (FULL RETURNS) CONTROL DRILL AT 175 fph, PUMPING LCM SWEEPS WITH 25 ppb LCM INCREASE PUMP RATE AND ROP AS WELLBORE ALLOWED	PROD	LAT	DRILL	DRILL W/ MUD	



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AMERICAN ENERGY - PERMIAN BASIN, LLC

UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD AEPB WELL NO. 122

Report End Date: 4/10/2016
Report Number: 21
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 14
End MD (ftKB): 13,955
Depth Progress (ft): 1,596
Planned VS (ft): 9,930
Current VS (ft): 5,070
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary				
Well Spud Date 3/15/2016	Total Depth Date	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725

Status at Report Time
DRILLING LATERAL AT 13,955 ft.

Operations Summary ROTATE/SLIDE CONTROLLED AT 175 FPH FROM 12,359 ft TO 12,628 ft (269 ft AT 71.7 fph). SERVICED RIG. ROTATE/SLIDE CONTROLLED AT 175 FPH FROM 12,628 ft TO 13,575 ft (947 ft AT 66.5 fph). CHANGED OUT ROTATING HEAD RUBBER. ROTATE/SLIDE CONTROLLED AT 175 FPH FROM 13,575 ft TO 13,955 ft (380 ft AT 76 fph). MIXING LCM IN SWEEPS FOR LOSSES SURVEY AT 13,798 ft , INC 89.8°, AZI 354.87°, TVD 8,382.39 ft., VS 5,070.46 ft., DLS 1.09°, 2.7 ft ABOVE, 19.2 LEFT MUD WT 11.8, VIS 59 BIG RIG SPUD DATE : 3/27/2016 AT 16:30 UNIVERSITY 10 RE 0606 HS (WALK)	Planned Operations DRILL LATERAL SECTION TO PROPOSED TD OF 18,725 ft.
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Start MD (ftKB) 12,359	End MD (ftKB) 13,955	Depth Progress (ft) 1,596	Drilling Time (hr) 23.00	Avg ROP (ft/hr) 69.4
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Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	08:45	3.75	12,359	12,628	ROTATE/SLIDE CONTROL DRILL 8 3/4 in. PRODUCTION LATERAL FROM 12,359 ft TO 12,628 ft = 269 ft AT 71.7 fph. ROTATE DRILL: 219 ft IN 2.50 HOURS, 87.6 fph AVERAGE ROP. SLIDE DRILL : 50 ft IN 1.25 HOURS, 33.3 fph AVERAGE ROP. ROTATE 88%, SLIDE 12% (FULL RETURNS) CONTROL DRILL AT 175 fph, PUMPING LCM SWEEPS WITH 25 ppb LCM INCREASE PUMP RATE AND ROP AS WELLBORE ALLOWED **TARGET LINE CHANGE AT 6:00- TL 5: 8,434' KBTVD @ 0' VS w/90.70 INC.**	PROD	LAT	DRILL	DRILL W/ MUD	
08:45	09:15	0.50	12,628	12,628	RIG SERVICE: GREASE AND CHECK FLUID LEVELS ON DRILLING EQUIPMENT. SERVICE TOPDRIVE.	PROD	LAT	DRILL	LUBRICATE RIG	
09:15	23:30	14.25	12,628	13,575	ROTATE/SLIDE CONTROL DRILL 8 3/4 in. PRODUCTION LATERAL FROM 12,628 ft TO 13,575 ft = 947 ft AT 66.5 fph. ROTATE DRILL: 807 ft IN 9.25 HOURS, 87.2 fph AVERAGE ROP. SLIDE DRILL : 140 ft IN 5 HOURS, 28 fph AVERAGE ROP. ROTATE 85%, SLIDE 15% (FULL RETURNS) CONTROL DRILL AT 175 fph, PUMPING LCM SWEEPS WITH 25 ppb LCM INCREASE PUMP RATE AND ROP AS WELLBORE ALLOWED **H2S DRILL AT 17:45, MANNED IN 2 MIN. 30 SEC.**	PROD	LAT	DRILL	DRILL W/ MUD	
23:30	00:00	0.50	13,575	13,575	CHANGED OUT ROTATING HEAD RUBBER	PROD	LAT	DRILL	NIPPLE UP B.O.P./WELLHEAD	Yes
00:00	05:00	5.00	13,575	13,955	ROTATE/SLIDE CONTROL DRILL 8 3/4 in. PRODUCTION LATERAL FROM 13,575 ft TO 13,955 ft = 380 ft AT 76 fph. ROTATE DRILL: 260 ft IN 2 HOURS, 130 fph AVERAGE ROP. SLIDE DRILL : 120 ft IN 3 HOURS, 40 fph AVERAGE ROP. ROTATE 68%, SLIDE 32% (FULL RETURNS) CONTROL DRILL AT 175 fph, PUMPING LCM SWEEPS WITH 25 ppb LCM INCREASE PUMP RATE AND ROP AS WELLBORE ALLOWED	PROD	LAT	DRILL	DRILL W/ MUD	



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AMERICAN ENERGY - PERMIAN BASIN, LLC

UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD AEPB WELL NO. 122

Report End Date: 4/11/2016
Report Number: 22
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 15
End MD (ftKB): 15,490
Depth Progress (ft): 1,535
Planned VS (ft): 9,930
Current VS (ft): 6,581
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary				
Well Spud Date 3/15/2016	Total Depth Date	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725

Status at Report Time DRILLING LATERAL AT 15,490 ft	Planned Operations DRILL LATERAL SECTION TO PROPOSED TD OF 18,725 ft.
Operations Summary ROTATE/SLIDE 8 3/4 in. PRODUCTION LATERAL FROM 13,955 ft TO 14,238 ft (283 ft AT 59.6 fph). SERVICED RIG. ROTATE/SLIDE 8 3/4 in. PRODUCTION LATERAL FROM 14,238 ft TO 15,490 ft (1252 ft AT 66.8 fph). MIXING LCM IN SWEEPS TO PREVENT LOSSES SURVEY AT 15,312 ft , INC 90°, AZI 1.6°, TVD 8,386.57 ft., VS 6,581.28 ft., DLS 1.17°, 2.1 ft BELOW, 7 RIGHT MUD WT 11.8, VIS 58 BIG RIG SPUD DATE : 3/27/2016 AT 16:30 UNIVERSITY 10 RE 0606 HS (WALK)	

Start MD (ftKB) 13,955	End MD (ftKB) 15,490	Depth Progress (ft) 1,535	Drilling Time (hr) 23.50	Avg ROP (ft/hr) 65.3
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Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	09:45	4.75	13,955	14,238	ROTATE/SLIDE DRILL 8 3/4 in. PRODUCTION LATERAL FROM 13,955 ft TO 14,238 ft = 283 ft AT 59.6 fph. ROTATE DRILL: 218 ft IN 2.50 HOURS, 87.2 fph AVERAGE ROP. SLIDE DRILL : 65 ft IN 2.25 HOURS, 28.9 fph AVERAGE ROP. ROTATE 92%, SLIDE 08% (FULL RETURNS) PUMPING 20 bbl LCM SWEEPS PER STAND WITH 20 ppb CEDAR FIBER AND COTTONSEED HULLS	PROD	LAT	DRILL	DRILL W/ MUD	
09:45	10:15	0.50	14,238	14,238	RIG SERVICE: GREASE AND CHECK FLUID LEVELS ON DRILLING EQUIPMENT. SERVICE TOPDRIVE.	PROD	LAT	DRILL	LUBRICATE RIG	
10:15	05:00	18.75	14,238	15,490	ROTATE/SLIDE DRILL 8 3/4 in. PRODUCTION LATERAL FROM 14,238 ft TO 15,490 ft = 1252 ft AT 66.8 fph. ROTATE DRILL: 1107 ft IN 10.75 HOURS, 103 fph AVERAGE ROP. SLIDE DRILL : 145 ft IN 8 HOURS, 18.1 fph AVERAGE ROP. ROTATE 88%, SLIDE 12% (FULL RETURNS) PUMPING 20 bbl LCM SWEEPS PER STAND WITH 20 ppb CEDAR FIBER AND COTTONSEED HULLS **H2S DRILL AT 17:45, MANNED IN 2MINUTES**	PROD	LAT	DRILL	DRILL W/ MUD	



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AMERICAN ENERGY - PERMIAN BASIN, LLC

UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD AEPB WELL NO. 122

Report End Date: 4/12/2016
Report Number: 23
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 16
End MD (ftKB): 17,082
Depth Progress (ft): 1,592
Planned VS (ft): 9,930
Current VS (ft): 8,255
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary				
Well Spud Date 3/15/2016	Total Depth Date	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725

Status at Report Time
DRILLING LATERAL AT 17,082 ft

Operations Summary ROTATE/SLIDE 8 3/4 in. PRODUCTION LATERAL FROM 15,490 ft TO 14,658 ft (168 ft AT 51.7 fph). SERVICED RIG. ROTATE/SLIDE 8 3/4 in. PRODUCTION LATERAL FROM 15,658 ft TO 16,893 ft (1235 ft AT 73.7 fph). CHANGED OUT ROTATING HEAD RUBBER. ROTATE/SLIDE 8 3/4 in. PRODUCTION LATERAL FROM 16,893 ft TO 17,082 ft (189 ft AT 63 fph). MIXING LCM IN SWEEPS TO PREVENT LOSSES SURVEY AT 16,925 ft , INC 89.6°, AZI 2.5°, TVD 8,386.06 ft., VS 8,193.20 ft., DLS 1.28°, 2.4 ft BELOW, 4.1 RIGHT MUD WT 11.8, VIS 57 BIG RIG SPUD DATE : 3/27/2016 AT 16:30 UNIVERSITY 10 RE 0606 HS (WALK)	Planned Operations DRILL LATERAL SECTION TO PROPOSED TD OF 18,725 ft.
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Start MD (ftKB) 15,490	End MD (ftKB) 17,082	Depth Progress (ft) 1,592	Drilling Time (hr) 23.00	Avg ROP (ft/hr) 69.2
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Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	08:15	3.25	15,490	15,658	ROTATE/SLIDE DRILL 8 3/4 in. PRODUCTION LATERAL FROM 15,490 ft TO 15,658 ft = 168 ft AT 51.7 fph. ROTATE DRILL: 134 ft IN 1.50 HOURS, 89.3 fph AVERAGE ROP. SLIDE DRILL : 34 ft IN 1.75 HOURS, 19.4 fph AVERAGE ROP. ROTATE 80%, SLIDE 20% (FULL RETURNS) PUMPING 20 bbl LCM SWEEPS PER STAND WITH 15 ppb CEDAR FIBER AND 5 ppb COTTONSEED HULLS	PROD	LAT	DRILL	DRILL W/ MUD	
08:15	08:45	0.50	15,658	15,658	RIG SERVICE: GREASE AND CHECK FLUID LEVELS ON DRILLING EQUIPMENT. SERVICE TOPDRIVE.	PROD	LAT	DRILL	LUBRICATE RIG	
08:45	01:30	16.75	15,658	16,893	ROTATE/SLIDE DRILL 8 3/4 in. PRODUCTION LATERAL FROM 15,658 ft TO 16,893 ft = 1235 ft AT 73.7 fph. ROTATE DRILL: 1155 ft IN 11.75 HOURS, 98.3 fph AVERAGE ROP. SLIDE DRILL : 80 ft IN 5 HOURS, 16 fph AVERAGE ROP. ROTATE 94%, SLIDE 6% (FULL RETURNS) PUMPING 20 bbl LCM SWEEPS PER STAND WITH 15 ppb CEDAR FIBER AND 5 ppb COTTONSEED HULLS *BOP DRILL AT 13:00, MANNED IN 1 MINUTE** *H2S DRILL AT 17:45, MANNED IN 2 MINUTES AND 40 SECONDS*	PROD	LAT	DRILL	DRILL W/ MUD	
01:30	02:00	0.50	16,893	16,893	CHANGED OUT ROTATING HEAD RUBBER	PROD	LAT	DRILL	NIPPLE UP B.O.P./WELLHEAD	Yes
02:00	05:00	3.00	16,893	17,082	ROTATE/SLIDE DRILL 8 3/4 in. PRODUCTION LATERAL FROM 16,893 ft TO 17,082 ft = 189 ft AT 63 fph. ROTATE DRILL: 179 ft IN 2 HOURS, 89.5 fph AVERAGE ROP. SLIDE DRILL : 10 ft IN 1 HOURS, 10 fph AVERAGE ROP. ROTATE 95%, SLIDE 5% (FULL RETURNS) PUMPING 20 bbl LCM SWEEPS PER STAND WITH 15 ppb CEDAR FIBER AND 5 ppb COTTONSEED HULLS	PROD	LAT	DRILL	DRILL W/ MUD	



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AMERICAN ENERGY - PERMIAN BASIN, LLC

UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD AEPB WELL NO. 122

Report End Date: 4/13/2016
Report Number: 24
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 17
End MD (ftKB): 17,850
Depth Progress (ft): 768
Planned VS (ft): 9,930
Current VS (ft): 9,010
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary				
Well Spud Date 3/15/2016	Total Depth Date	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725

Status at Report Time DRILLING LATERAL AT 17,850 ft	Planned Operations DRILL LATERAL SECTION TO PROPOSED TD OF 18,725 ft.
<p>Operations Summary</p> <p>ROTATE/SLIDE 8 3/4 in. PRODUCTION LATERAL FROM 17,082 ft TO 17,391 ft (309 ft AT 41.2 fph). TOUBLE SHOOT PASON DUE TO LIGHTNING STRIKE NEAR RIG. ROTATE/SLIDE 8 3/4 in. PRODUCTION LATERAL FROM 17,391 ft TO 17,461 ft (70 ft AT 93.3 fph). CIRCULATE WHILE WAITING ON PASON TECH. LOGGED HOLE FROM 17,392 ft TO 17,461 ft. ROTATE/SLIDE 8 3/4 in. PRODUCTION LATERAL FROM 17,461 ft TO 17,850 ft (389 ft AT 32.4 fph). MIXING LCM IN SWEEPS TO PREVENT LOSSES SURVEY AT 17,681 ft , INC 89.8°, AZI 2.5°, TVD 8,388.38 ft., VS 8,948.48 ft., DLS 1.72°, 3.8 ft ABOVE, 9.1 LEFT MUD WT 11.8, VIS 57 BIG RIG SPUD DATE : 3/27/2016 AT 16:30 UNIVERSITY 10 RE 0606 HS (WALK)</p>	

Start MD (ftKB) 17,082	End MD (ftKB) 17,850	Depth Progress (ft) 768	Drilling Time (hr) 20.25	Avg ROP (ft/hr) 37.9
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Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	12:30	7.50	17,082	17,391	ROTATE/SLIDE DRILL 8 3/4 in. PRODUCTION LATERAL FROM 17,082 ft TO 17,391 ft = 309 ft AT 41.2 fph. ROTATE DRILL: 259 ft IN 4 HOURS, 64.8 fph AVERAGE ROP. SLIDE DRILL : 50 ft IN 3.5 HOURS, 14.3 fph AVERAGE ROP. ROTATE 84%, SLIDE 16% (FULL RETURNS) PUMPING 20 bbl LCM SWEEPS PER STAND WITH 15 ppb CEDAR FIBER AND 5 ppb COTTONSEED HULLS **TARGET LINE CHANGE AT 12:15= TL #7: 8,348' KBTVD @ 0' VS w/89.72 INC.**	PROD	LAT	DRILL	DRILL W/ MUD	
12:30	13:30	1.00	17,391	17,391	TOUBLE SHOOT PASON SYSTEM AFTER LIGHTING STRIKE NEAR RIG	PROD	LAT	DRILL	DIRECTIONAL WORK	
13:30	14:15	0.75	17,391	17,461	ROTATE/SLIDE DRILL 8 3/4 in. PRODUCTION LATERAL FROM 17,391 ft TO 17,461 ft = 70 ft AT 93.3 fph. ROTATE DRILL: 70 ft IN 0.75 HOURS, 93.3 fph AVERAGE ROP. SLIDE DRILL : 0 ft IN 0 HOURS, 0 fph AVERAGE ROP. ROTATE 100%, SLIDE 0% (FULL RETURNS) PUMPING 20 bbl LCM SWEEPS PER STAND WITH 15 ppb CEDAR FIBER AND 5 ppb COTTONSEED HULLS	PROD	LAT	DRILL	DRILL W/ MUD	
14:15	16:00	1.75	17,461	17,461	CIRCULATE FOR CLEAN-UP CYCLE WHILE WAITING ON PASON TECH. WORKING STAND AND CIRCULATING AT DRILLING PARAMETERS.	PROD	LAT	DRILL	3rd PARTY EQUIPMENT REPAIR	Yes
16:00	16:30	0.50	17,461	17,461	RIG SERVICE: GREASE AND CHECK FLUID LEVELS ON DRILLING EQUIPMENT. SERVICE TOPDRIVE.	PROD	LAT	DRILL	LUBRICATE RIG	Yes
16:30	17:00	0.50	17,461	17,461	LOGGED HOLE FROM 17,392 ft TO 17,461 ft WITH EM TOOL	PROD	LAT	DRILL	DIRECTIONAL WORK	Yes
17:00	05:00	12.00	17,461	17,850	ROTATE/SLIDE DRILL 8 3/4 in. PRODUCTION LATERAL WITH DEMINISHED CAPACITY WITH 1 PUMP AT 470 gpm AND CONTROLLED AT 75 fph FROM 17,461 ft TO 17,850 ft = 389 ft AT 32.4 fph. ROTATE DRILL: 328 ft IN 6.25 HOURS, 52.5 fph AVERAGE ROP. SLIDE DRILL : 61 ft IN 5.75 HOURS, 10.6 fph AVERAGE ROP. ROTATE 84%, SLIDE 16% (FULL RETURNS) PUMPING 20 bbl LCM SWEEPS PER STAND WITH 15 ppb CEDAR FIBER AND 5 ppb COTTONSEED HULLS (TRACTION MOTOR ON #2 PUMP BURNED UP DUE TO LIGHTNING STRIKE)	PROD	LAT	DRILL	DRILL W/ MUD	Yes



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AMERICAN ENERGY - PERMIAN BASIN, LLC

UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD AEPB WELL NO. 122

Report End Date: 4/14/2016
Report Number: 25
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 18
End MD (ftKB): 18,628
Depth Progress (ft): 771
Planned VS (ft): 9,930
Current VS (ft): 9,803
AFE Number: 1550336

API 42383395950000		Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6		Latitude 31.2874000000		Longitude -101.4714300000		Orig KB El... 2,559.00		RKB (ft) 21.00		County REAGAN		State TEXAS	
Report Summary															
Well Spud Date 3/15/2016			Total Depth Date 4/13/2016			Rig Release Date			Target Formation WFMPD_410_SH			Proposed TD (ftKB) 18,725			
Status at Report Time PERFORMING CLEANUP CYCLE. RAISING MUD WEIGHT.															
Operations Summary ROTATE/SLIDE 8 3/4 in. PRODUCTION LATERAL FROM 17,850 ft TO 18,122 ft (272 ft AT 36.3 fph). 1/2 HOUR CHANGING ROTATING HEAD SEAL, ROTATE/SLIDE 8 3/4 in. PRODUCTION LATERAL FROM 18,122 ft TO 18,402 ft (280 ft AT 56 fph). SERVICED RIG. ROTATE/SLIDE 8 3/4 in. PRODUCTION LATERAL FROM 18,402 ft TO 18,628 ft (226 ft AT 64.6 fph). PERFORMED CLEAN UP CYCLE AND RAISED MW. MIXING LCM IN SWEEPS TO PREVENT LOSSES. SURVEY AT 18,566 ft , INC 91.6°, AZI 359.5°, TVD 8,389.72 ft., VS 9,795.66 ft., DLS 1.19°, 3.8 ft ABOVE, 5.1 LEFT MUD WT 12.0, VIS 57 IN/ MW 11.9 VIS 56 OUT BIG RIG SPUD DATE ; 3/27/2016 AT 16:30 UNIVERSITY 10 RE 0606 HS (WALK)								Planned Operations FINISH CLEAN UP CYCLE AND RAISING MUD WEIGHT. TRIP OUT OF HOLE AND LAY DOWN DIRECTIONAL TOOLS. PULL WEAR BUSHING. RIG UP CASING CREW AND RUN 5 1/2 in PRODUCTION CASING.							
Start MD (ftKB) 17,850			End MD (ftKB) 18,628			Depth Progress (ft) 771			Drilling Time (hr) 15.25			Avg ROP (ft/hr) 50.6			
Time Log															
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT					
05:00	11:30	6.50	17,850	18,060	ROTATE/SLIDE DRILL 8 3/4 in. PRODUCTION LATERAL WITH DEMINISHED CAPACITY WITH 1 PUMP AT 470 gpm AND CONTROLLED AT 75 fph FROM 17,850 ft TO 18,060 ft = 210 ft AT 32.3 fph. ROTATE DRILL: 157 ft IN 3 HOURS, 52.3 fph AVERAGE ROP. SLIDE DRILL : 53 ft IN 3.5 HOURS, 15.1 fph AVERAGE ROP. ROTATE 74.7%, SLIDE 25.3% (FULL RETURNS) PUMPING 20 bbl LCM SWEEPS PER STAND WITH 15 ppb CEDAR FIBER AND 5 ppb COTTONSEED HULLS (TRACTION MOTOR ON #2 PUMP BURNED UP DUE TO LIGHTNING STRIKE)	PROD	LAT	DRILL	DRILL W/ MUD	Yes					
11:30	12:00	0.50	18,060	18,122	ROTATE/SLIDE DRILL 8 3/4 in. PRODUCTION LATERAL FROM 18,060 ft TO 18,122 ft = 62 ft AT 124 fph. ROTATE DRILL: 62 ft IN .5 HOURS, 124 fph AVERAGE ROP. SLIDE DRILL : 0 ft IN 0 HOURS, 0 fph AVERAGE ROP. ROTATE 100%, SLIDE 0% (FULL RETURNS) PUMPING 20 bbl LCM SWEEPS PER STAND WITH 15 ppb CEDAR FIBER AND 5 ppb COTTONSEED HULLS (BOTH PUMPS BACK ON HOLE)	PROD	LAT	DRILL	DRILL W/ MUD						
12:00	12:30	0.50	18,122	18,122	CHANGE OUT ROTATING HEAD SEAL.	PROD	LAT	DRILL	3rd PARTY EQUIPMENT REPAIR	Yes					
12:30	17:30	5.00	18,122	18,402	ROTATE/SLIDE DRILL 8 3/4 in. PRODUCTION LATERAL FROM 18,122 ft TO 18,402 ft = 280 ft AT 56 fph. ROTATE DRILL: 260 ft IN 3 HOURS, 86.7 fph AVERAGE ROP. SLIDE DRILL : 20 ft IN 2 HOURS, 10 fph AVERAGE ROP. ROTATE 93%, SLIDE 7% (FULL RETURNS) PUMPING 20 bbl LCM SWEEPS PER STAND WITH 15 ppb CEDAR FIBER AND 5 ppb COTTONSEED HULLS (BOTH PUMPS BACK ON HOLE)	PROD	LAT	DRILL	DRILL W/ MUD						
17:30	18:00	0.50	18,402	18,402	RIG SERVICE: GREASE AND CHECK FLUID LEVELS ON DRILLING EQUIPMENT. SERVICE TOPDRIVE.	PROD	LAT	DRILL	LUBRICATE RIG						
18:00	21:30	3.50	18,402	18,628	ROTATE/SLIDE DRILL 8 3/4 in. PRODUCTION LATERAL FROM 18,402 ft TO 18,628 ft = 226 ft AT 64.6 fph. ROTATE DRILL: 226 ft IN 3.5 HOURS, 64.6 fph AVERAGE ROP. SLIDE DRILL : 0 ft IN 0 HOURS, 0 fph AVERAGE ROP. ROTATE 100%, SLIDE 0% (FULL RETURNS) PUMPING 20 bbl LCM SWEEPS PER STAND WITH 15 ppb CEDAR FIBER AND 5 ppb COTTONSEED HULLS (BOTH PUMPS BACK ON HOLE) *TD WELL AT 18,628ft ON 4-13-16 AT 21:30. 51ft FROM HARD LINE.*	PROD	LAT	DRILL	DRILL W/ MUD						
21:30	05:00	7.50	18,628	18,628	PERFORMED CLEAN UP CYCLE. TOPDRIVE AT 70 RPM, 540 GPM. PUMPED 2 - 40 BBL HI-VIS SWEEPS, AND 2 -40 BBL WEIGHTED SWEEPS: 1ST BOTTOMS UP: 85% SHAKER SCREEN COVERAGE; STARTING TQ 14,000, ENDING TQ 13,000. 2ND BOTTOMS UP: 60% SHAKER SCREEN COVERAGE; STARTING TQ 14,000, ENDING TQ 12,000. 3RD BOTTOMS UP: 50% SHAKER SCREEN COVERAGE; STARTING TQ 12,000, ENDING TQ 11,000. 4TH BOTTOMS UP: 30% SHAKER SCREEN COVERAGE; STARTING TQ 11,000, ENDING TQ 10,000. STARTED RAISING MW 1 TENTH lb PER CIRCULATION AFTER THIRD BOTTOMS UP. PUMPING 20 bbl SWEEPS W/ 15 ppb CEDAR FIBER AND 5 ppb COTTONSEED HULLS EVERY 2 HOURS TO PREVENT SEEPAGE.	PROD	LAT	DRILL	COND MUD & CIRC						



AMERICAN ENERGY
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AMERICAN ENERGY - PERMIAN BASIN, LLC

UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD AEPB WELL NO. 122

Report End Date: 4/15/2016
Report Number: 26
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 19
End MD (ftKB): 18,628
Depth Progress (ft): 0
Planned VS (ft): 9,930
Current VS (ft): 9,803
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary				
Well Spud Date 3/15/2016	Total Depth Date 4/13/2016	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725

Status at Report Time				
TRIPPING OUT OF HOLE AT 8000 ft				
Operations Summary			Planned Operations	
RAISING MUD WEIGHT FROM 12.0 TO 12.4+, WITH 12.4+ HOLE STARTED SEEPING, SLOW DOWN PUMPS FROM 450 gpm TO 250 gpm, LOST @ 64 BBLs.BUILD AND PUMP 80 BBL LCM SWEEP, CIRCULATE AND LOWER MUD WEIGHT TO 12.0 ppg. MIX 10 ppb CEDAR FIBER IN SYSTEM w/12.0 PPG MUD WEIGHT. BUILT VOLUME AND MIXED 10 ppb LCM IN PITS. PUMPED OUT OF PITS AT 195 gpm WITH NO RETURNS. LOST 137 bbls. TRIPPED OUT OF HOLE FROM 18,628 ft TO 8000 ft.			TRIP OUT OF HOLE TO 7300 ft. BUILD VOLUME IN PITS AND MIX 15 ppb LCM THROUGHOUT PITS. MIX AND PUMP 100 bbl 30 ppb LCM PILL AND SPOT ACROSS LOSS ZONE. LET PILL SIT TO HEAL HOLE. ATTEMPT TO ACHIEVE FULL RETURNS AND CIRCULATE FOR TRIP. TRIP OUT OF HOLE TO LAY DOWN DIRECTIONAL TOOLS. TRIP IN HOLE WITH ROLLER CONE BIT TO CLEAN UP HOLE.	
SURVEY AT 18,566 ft , INC 91.6°, AZI 359.5°, TVD 8,389.72 ft., VS 9,795.66 ft., DLS 1.19°, 3.8 ft ABOVE, 5.1 LEFT				
MUD WT 12.0, VIS 57 IN/ MW 11.9 VIS 56 OUT				
BIG RIG SPUD DATE ; 3/27/2016 AT 16:30				
UNIVERSITY 10 RE 0606 HS (WALK)				
Start MD (ftKB)	End MD (ftKB)	Depth Progress (ft)	Drilling Time (hr)	Avg ROP (ft/hr)
18,628	18,628	0		

Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	15:30	10.50	18,628	18,628	CIRCULATING, WEIGHT UP FROM 12.0 TO 12.4+. PUMPED 20 bbl SWEEPS WITH 15 ppb CEDAR FIBER AND 5 ppb COTTONSEED HULLS EVERY HOUR. STARTED LOSING MUD WITH 12.4 ppg MW GOING IN AND 12.3 ppg MW COMING OUT. REDUCED PUMP RATE TO 240 gpm WITH PARTIAL RETURNS. REDUCED PUMP RATE TO 170 gpm WITH PARTIAL RETURNS. REDUCED PUMP RATE TO 140 gpm WITH PARTIAL RETURNS.	PROD	LAT	DRILL	COND MUD & CIRC	
15:30	18:30	3.00	18,628	18,628	SHUT DOWN PUMP AND BUILT VOLUME FROM RESERVE MUD. MIXED 10 ppb LCM IN ACTIVE SYSTEM.	PROD	LAT	DRILL	COND MUD & CIRC	
18:30	19:30	1.00	18,628	18,628	PUMPED OUT OF ACTIVE SYSTEM WITH 10 ppb LCM AT 195 gpm. NO RETURNS. LOST 137 bbls MUD.	PROD	LAT	DRILL	COND MUD & CIRC	
19:30	05:00	9.50	18,628	18,628	PULLED ROTATING HEAD RUBBER AND PUMPED 20 bbls DOWN BACKSIDE. HOLE DID NOT FILL AND COULD NOT SEE FLUID LEVEL. LAID DOWN 2 JOINTS HWDP AND TRIPPED OUT OF HOLE WET AT 90 fpm FROM 18,628 ft TO 8000 ft (HOLE TIGHT FROM 18,300 ft TO 17,670 ft, AND AT 8430 ft) (PULLED UP TO 50k OVER TO WORK THROUGH TIGHT SPOTS). PUMPED 5 bbls DOWN BACKSIDE EVERY 5 STANDS. HOLE DID NOT FILL UP.	PROD	LAT	DRILL	TRIPS	



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AMERICAN ENERGY - PERMIAN BASIN, LLC
UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD
AEPB WELL NO. 122

Report End Date: 4/16/2016
Report Number: 27
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 20
End MD (ftKB): 18,628
Depth Progress (ft): 0
Planned VS (ft): 9,930
Current VS (ft): 9,803
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary

Well Spud Date 3/15/2016	Total Depth Date 4/13/2016	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725
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Status at Report Time

TRIPPING IN HOLE WITH INSERT BIT AT 2842 ft

Operations Summary

TRIP OUT OF HOLE TO 7234 ft. BUILD VOLUME IN PITS AND MIX 15 ppb LCM AND 11.9 ppg MW THROUGHOUT PITS. PUMPED DOWN DRILL PIPE OUT OF ACTIVE SYSTEM AND GOT CIRCULATION AFTER 25 bbls. CIRCULATED AT 250 gpm WITH FULL RETURNS. PUMPED SLUG AND TRIPPED OUT OF HOLE FROM 7234 ft TO BHA. LAID DOWN BHA. MOVED 40 bbls CLEAN MUD TO SLUG TANK AND WEIGHT TO 11.9 ppg. PUMPED THROUGH BOTH PUMPS AND TOP DRIVE WITH CLEAN MUD. MADE UP ROLLER CONE BIT AND BIT SUB AND TRIPPED IN HOLE TO 2842 ft.

SURVEY AT 18,566 ft, INC 91.6°, AZI 359.5°, TVD 8,389.72 ft., VS 9,795.66 ft., DLS 1.19°, 3.8 ft ABOVE, 5.1 LEFT

MUD WT 12.0, VIS 57 IN/ MW 11.9 VIS 56 OUT

BIG RIG SPUD DATE : 3/27/2016 AT 16:30
UNIVERSITY 10 RE 0606 HS (WALK)

Planned Operations

TRIP IN HOLE TO SHOE. BREAK CIRCULATION. WASH AND REAM THROUGH CURVE. TRIP IN HOLE TO BOTTOM. CIRCULATE AND CLEAN HOLE. TRIP OUT OF HOLE TO RUN CASING.

Start MD (ftKB) 18,628	End MD (ftKB) 18,628	Depth Progress (ft) 0	Drilling Time (hr)	Avg ROP (ft/hr)
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Time Log

Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	06:00	1.00	18,628	18,628	FINISH POOH TO 30 ft BELOW 9 5/8 CASING SHOE (7234 ft).	PROD	LAT	DRILL	TRIPS	
06:00	16:15	10.25	18,628	18,628	BUILD VOLUME IN MUD TANKS W/15 ppb LCM WITH 11.9 ppg MW, MIX 100 BBLS IN SLUG TANK W/30 ppb LCM.	PROD	LAT	DRILL	COND MUD & CIRC	
16:15	18:30	2.25	18,628	18,628	STARTED PUMPING DOWN DRILL PIPE OUT OF ACTIVE SYSTEM AND AFTER PUMPING 25 bbls, GOT RETURNS. CIRCULATED AT 250 gpm WITH FULL RETURNS. BUILT AND PUMPED SLUG.	PROD	LAT	DRILL	COND MUD & CIRC	
18:30	23:00	4.50	18,628	18,628	CHECKED FOR FLOW (WELL STATIC). TRIPPED OUT OF HOLE FROM 7234 ft TO 172 ft. FILLED CONTINUOUSLY FROM TRIP TANK. HOLE TOOK PROPER FILL.	PROD	LAT	DRILL	TRIPS	
23:00	02:00	3.00	18,628	18,628	LAID DOWN BHA #6 FROM 172 ft TO SURFACE. GRADED BIT No. 6 HALLIBURTON MM65DRM SER #12605251 1-1-WT-A-X-0-NO-TD	PROD	LAT	DRILL	P/U & L/D BHA	
02:00	02:30	0.50	18,628	18,628	CLEANED OFF RIG FLOOR	PROD	LAT	DRILL	TRIPS	
02:30	03:30	1.00	18,628	18,628	MOVED 40 bbls CLEAN MUD FROM FRAC TANK TO SLUGGING PIT, AND WEIGHT UP TO 11.9 ppg. PUMPED THROUGH BOTH PUMPS AND TOP DRIVE.	PROD	LAT	DRILL	COND MUD & CIRC	
03:30	05:00	1.50	18,628	18,628	MADE UP XO SUB, BIT SUB, AND 8 3/4 INSERT BIT AND TRIPPED IN HOLE TO 2842 ft FILLING PIPE EVERY 30 STANDS (FIRST FILL UP WITH CLEAN MUD OUT OF SLUGGING TANK.	PROD	LAT	DRILL	TRIPS	



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AMERICAN ENERGY - PERMIAN BASIN, LLC

UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD AEPB WELL NO. 122

Report End Date: 4/17/2016
Report Number: 28
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 21
End MD (ftKB): 18,628
Depth Progress (ft): 0
Planned VS (ft): 9,930
Current VS (ft): 9,894
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary				
Well Spud Date 3/15/2016	Total Depth Date 4/13/2016	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725

Status at Report Time WASHING AND REAMING AT 13,575 ft.				
Operations Summary TRIPPED IN HOLE TO 7202 ft. SLIP AND CUT 110' OF DRILL LINE. INSTALL ROTATING HEAD. REPLACE BLOWN HYDRAULIC HOSE ON TOP DRIVE. CHANGED 2 VALVE SEATS IN #1 PUMP. WASH 7202 ft TO 8970 ft, W/250 gpm, 20 ROTARY (FULL RETURNS). CIRCULATE AND MIX LCM. TRIPPED IN HOLE FROM 8970 ft TO 10,826 ft. CLEANED LCM OUT OF MUD PUMPS. SHUT DOWN OPERATIONS DUE TO SEVERE WEATHER. CLEANED LCM OUT OF MUD PUMPS. CIRCULATED AT 195 gpm. WASHED AND REAMED FROM 10,826 ft TO 13,575 ft. SURVEY AT 18,566 ft , INC 91.6°, AZI 359.5°, TVD 8,389.72 ft., VS 9,795.66 ft., DLS 1.19°, 3.8 ft ABOVE, 5.1 LEFT MUD WT 12.0, VIS 57 IN/ MW 11.9 VIS 56 OUT BIG RIG SPUD DATE ; 3/27/2016 AT 16:30 UNIVERSITY 10 RE 0606 HS (WALK)			Planned Operations WASH AND REAM FROM 13,575 ft to 18,628 FT. CIRCULATE HOLE CLEAN FOR TRIP OUT. TRIP OUT OF HOLE TO RUN 5 1/2 PRODUCTION CASING.	
Start MD (ftKB)	End MD (ftKB)	Depth Progress (ft)	Drilling Time (hr)	Avg ROP (ft/hr)
18,628	18,628	0		

Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	08:15	3.25	18,628	18,628	TRIP IN HOLE TO 7202 ft.	PROD	LAT	DRILL	TRIPS	
08:15	09:30	1.25	18,628	18,628	SLIP AND CUT 110' OF DRILL LINE	PROD	LAT	DRILL	CUT SLIP & DRILL LINE	
09:30	10:00	0.50	18,628	18,628	ROUTINE RIG SERVICE	PROD	LAT	DRILL	LUBRICATE RIG	
10:00	10:30	0.50	18,628	18,628	INSTALL ROTATING HEAD.	PROD	LAT	DRILL	TRIPS	
10:30	11:00	0.50	18,628	18,628	REPLACE BLOWN HYDRAULIC HOSE ON TOP DRIVE.	PROD	LAT	DRILL	REPAIR RIG	Yes
11:00	13:00	2.00	18,628	18,628	CHANGE 2 VALVE SEATS IN #1 PUMP.	PROD	LAT	DRILL	REPAIR RIG	Yes
13:00	15:30	2.50	18,628	18,628	WASH 7202 ft TO 8970 ft, W/250 gpm, 20 ROTARY (FULL RETURNS)	PROD	LAT	DRILL	REAMING	
15:30	16:30	1.00	18,628	18,628	CIRCULATE. MIX LCM.	PROD	LAT	DRILL	COND MUD & CIRC	
16:30	18:00	1.50	18,628	18,628	TIH 8970 ft TO 10826 ft.	PROD	LAT	DRILL	TRIPS	
18:00	21:00	3.00	18,628	18,628	ATTEMPTED TO CIRCULATE. PUMPS WOULD NOT PUMP. CLEANED LCM OUT FROM UNDER VALVES IN PUMPS. ATTEMPTED TO CIRCULATE WITH #2 PUMP. PUMPED GOOD FOR A MINUTE THEN QUIT PUMPING. BACK FLUSHED THROUGH CHARGING PUMPS AND SUCTION LINES. ATTEMPTED TO CIRCULATE AND PUMPS WOULD NOT PUMP MUD DOWN DRILL PIPE. CIRCULATED WITH MIXING PUMP THROUGH LOW PRESSURE LINE THROUGHOUT PITS TO REDUCE THE CONCENTRATION OF LCM IN THE SUCTION PIT.	PROD	LAT	DRILL	REPAIR RIG	Yes
21:00	22:30	1.50	18,628	18,628	SHUT OPERATIONS DOWN DUE TO SEVERE WEATHER.	PROD	LAT	DRILL	SAFETY MEETING	Yes
22:30	23:30	1.00	18,628	18,628	CLEANED LCM OUT OF #2 PUMP	PROD	LAT	DRILL	REPAIR RIG	Yes
23:30	00:30	1.00	18,628	18,628	CIRCULATED WELL AT 195 gpm WITH #2 PUMP WHILE CLEANING LCM OUT OF #1 PUMP.	PROD	LAT	DRILL	COND MUD & CIRC	
00:30	05:00	4.50	18,628	18,628	WASHED AND REAMED FROM 10,826 ft TO 13,575 ft PUMPING 195 gpm AND 20 rpm ON DP.	PROD	LAT	DRILL	REAMING	



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AMERICAN ENERGY - PERMIAN BASIN, LLC

UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD AEPB WELL NO. 122

Report End Date: 4/18/2016
Report Number: 29
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 22
End MD (ftKB): 18,628
Depth Progress (ft): 0
Planned VS (ft): 9,930
Current VS (ft): 9,894
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary				
Well Spud Date 3/15/2016	Total Depth Date 4/13/2016	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725

Status at Report Time CLEANING LCM OUT OF MUD PUMPS Operations Summary WASHED AND REAMED FROM 13,575 ft TO 18,628 ft, W/195 gpm, 20 ROTARY, CIRCULATE MAINTAIN MUD WEIGHT 12.0 ppg/10 ppb LCM. PUMPED OUT OF HOLE AND LAID DOWN 18 JTS HWDP FROM 18,628 ft TO 18,052 ft. PUMPED OUT OF HOLE 4 STANDS DP FROM 18,052 ft TO 17,673 ft. PUMPED SLUG AND ATTEMPTED TO TRIP OUT OF HOLE. HOLE TIGHT. SCREWED INTO PIPE WITH TOP DRIVE TO CIRCULATE. HOLE PACKED OFF. WORKED PIPE AND ESTABLISHED CIRCULATION. CIRCULATED HOLE CLEAN. PUMPED OUT OF HOLE WITH 250 gpm AND 40 rpm FROM 17,673 ft TO 16,950 ft. HOLE PACKED OFF. WORKED PIPE AND ROTATED TO GET RETURNS. WORKED ON MUD PUMPS SURVEY AT 18,566 ft, INC 91.6°, AZI 359.5°, TVD 8,389.72 ft., VS 9,795.66 ft., DLS 1.19°, 3.8 ft ABOVE, 5.1 LEFT MUD WT 12.0, VIS 70 IN/ MW 11.9 VIS 68 OUT BIG RIG SPUD DATE ; 3/27/2016 AT 16:30 UNIVERSITY 10 RE 0606 HS (WALK)					Planned Operations BACK REAM OUT OF HOLE. PULL WEAR BUSHING. RIG UP CASING CREW AND RUN 5 1/2 PRODUCTION CASING
Start MD (ftKB) 18,628	End MD (ftKB) 18,628	Depth Progress (ft) 0	Drilling Time (hr)	Avg ROP (ft/hr)	

Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	14:00	9.00	18,628	18,628	WASHED AND REAMED FROM 13,575 ft TO 18,628 ft PUMPING 195 gpm AND 20 rpm ON DP.	PROD	LAT	DRILL	REAMING	
14:00	19:00	5.00	18,628	18,628	CIRCULATE, MAINTAIN MUD WEIGHT 12.0 ppg, 10 ppb LCM	PROD	LAT	DRILL	COND MUD & CIRC	
19:00	21:00	2.00	18,628	18,628	PUMPED OUT AND LAID DOWN 18 JOINTS HWDP FROM 18,628 ft TO 18,052 ft.	PROD	LAT	DRILL	TRIPS	
21:00	21:30	0.50	18,628	18,628	PUMPED OUT 4 STANDS DP FROM 18,052 ft TO 17,673 ft.	PROD	LAT	DRILL	TRIPS	
21:30	22:00	0.50	18,628	18,628	CHECKED FOR FLOW (WELL STATIC). PUMPED SLUG AND ATTEMPTED TO TRIP OUT OF HOLE. HOLE TIGHT. ATTEMPTED TO WORK THROUGH TIGHT HOLE.	PROD	LAT	DRILL	TRIPS	
22:00	01:30	3.50	18,628	18,628	SCREWED INTO DP WITH TOP DRIVE AND ATTEMPTED TO CIRCULATE AT 17,631 ft (HOLE PACKED OFF). ROTATED AT 30 rpm AND WORKED PIPE. BROUGHT PUMP UP AND HOLE STILL PACKED OFF. WORKED PIPE WITHOUT PUMPING WITH 30 RPM UNTIL TORQUE AND TRAPPED PRESSURE DROPPED OFF. BROUGHT PUMP UP AT 115 gpm AND ESTABLISHED CIRCULATION. STAGED PUMP UP TO 250 gpm AND CIRCULATED WHILE WORKING PIPE UP AND DOWN 90 ft WITH 40 rpm TO CLEAN HOLE.	PROD	LAT	DRILL	COND MUD & CIRC	
01:30	03:00	1.50	18,628	18,628	BACK REAM OUT OF HOLE FROM 17,631 ft TO 16,950 ft WITH 250 gpm AND 40 rpm. HOLE PACKED OFF AT 16,950 ft.	PROD	LAT	DRILL	REAMING	
03:00	04:30	1.50	18,628	18,628	WORKED PIPE AND ROTATED TO RELEASE TRAPPED PRESSURE. STARTED GETTING RETURNS AND PUMP QUIT PUMPING DUE TO LCM. SWITCHED TO #1 PUMP AND IT WOULD NOT PUMP FLUID.	PROD	LAT	DRILL	COND MUD & CIRC	
04:30	05:00	0.50	18,628	18,628	CLEAN LCM OUT OF MUD PUMPS	PROD	LAT	DRILL	REPAIR RIG	Yes



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AMERICAN ENERGY - PERMIAN BASIN, LLC UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD AEPB WELL NO. 122

Report End Date: 4/19/2016
Report Number: 30
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 23
End MD (ftKB): 18,628
Depth Progress (ft): 0
Planned VS (ft): 9,930
Current VS (ft): 9,894
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS
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Report Summary							
Well Spud Date 3/15/2016	Total Depth Date 4/13/2016	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725			

Status at Report Time RUNNING 5 1/2 17# CYB-110 LTC CASING AT 2014 ft							
Operations Summary WORK TIGHT SPOT FROM 16,992 ft TO 16,907 ft. BACKREAM FROM 16907 ft TO 13,945 ft. POOH FROM 13,945 ft TO SURFACE. BROKE OFF BIT AND BIT SUB. PULLED WEAR BUSHING. CLEARED OFF FLOOR AND CHANGED SAVER SUB. HSM AND RIGGED UP CASING CREW. MADE UP FLOAT EQUIPMENT AND BPS SUBS AND RAN 44 JTS OF CASING TO 2014 ft. SURVEY AT 18,566 ft, INC 91.6°, AZI 359.5°, TVD 8,389.72 ft., VS 9,795.66 ft., DLS 1.19°, 3.8 ft ABOVE, 5.1 LEFT MUD WT 12.0, VIS 70 IN/ MW 11.9 VIS 68 OUT CONTACTED AMY WITH TRRC AT 14:30 ON 4-18-16 ABOUT INTENT TO RUN PRODUCTION CASING AND CEMENT BIG RIG SPUD DATE ; 3/27/2016 AT 16:30 UNIVERSITY 10 RE 0606 HS (WALK)				Planned Operations RUN 5 1/2 PRODUCTION CASING TO 18,628 ft. BURST DISK AND BLEED OUT AIR. CIRCULATE 2 BOTTOMS UP. CEMENT CASING.			

Start MD (ftKB) 18,628	End MD (ftKB) 18,628	Depth Progress (ft) 0	Drilling Time (hr)	Avg ROP (ft/hr)
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Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	13:30	8.50	18,628	18,628	WORK TIGHT SPOT FROM 16,992 ft TO 16,907 ft, BACKREAM FROM 16,907 ft TO 13,945 ft. W/250 gpm, 40 ROTARY.	PROD	LAT	DRILL	REAMING	
13:30	00:30	11.00	18,628	18,628	POOH FROM 13,945 ft TO SURFACE AT 50 fpm. FILLED CONTINUOUSLY FROM TRIP TANK. HOLE TOOK PROPER FILL.	PROD	LAT	DRILL	TRIPS	
00:30	01:00	0.50	18,628	18,628	PULLED WEAR BUSHING	PROD	LAT	DRILL	NIPPLE UP B.O.P./WELLHEAD	
01:00	01:30	0.50	18,628	18,628	CLEARED OFF RIG FLOOR AND CHANGED OUT SAVER SUB ON TOP DRIVE	PROD	LAT	DRILL	TRIPS	
01:30	02:30	1.00	18,628	18,628	HSM AND RIGGED UP EXPRESS CASING CREW.	PROD	PROD	CSG/CEMENT	RUN CASING	
02:30	03:00	0.50	18,628	18,628	PRE JOB SAFETY MEETING ON RUNNING CASING WITH EXPRESS CASING CREW, RIG CREW, TP, AND CO. MAN	PROD	PROD	CSG/CEMENT	SAFETY MEETING	
03:00	05:00	2.00	18,628	18,628	MADE UP FLOAT SHOE, FLOAT COLLAR, 3 BPS SUBS, AND I-SEAT, AND RAN 44 JTS OF 5 1/2 17# CYB-110 LTC CASING TO 2014 ft.	PROD	PROD	CSG/CEMENT	RUN CASING	



AMERICAN ENERGY
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AMERICAN ENERGY - PERMIAN BASIN, LLC
UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD
AEPB WELL NO. 122

Report End Date: 4/20/2016
Report Number: 31
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 24
End MD (ftKB): 18,628
Depth Progress (ft): 0
Planned VS (ft): 9,930
Current VS (ft): 9,894
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS			
Report Summary										
Well Spud Date 3/15/2016	Total Depth Date 4/13/2016	Rig Release Date	Target Formation WFMPD_410_SH	Proposed TD (ftKB) 18,725						
Status at Report Time CIRC. BTM'S UP										
Operations Summary RUN 5 1/2 PRODUCTION CASING TO 18,628ft , SHOE SET AT 18618 ft BURST FLOTATION COLLAR , CIRCULATE 2 BTM'S UP CALLED TRRC ABOUT BOP TEST, TALKED TO IVY @ 12:00, EVERYTHING IS OK. SURVEY AT 18,566 ft , INC 91.6°, AZI 359.5°, TVD 8,389.72 ft., VS 9,795.66 ft., DLS 1.19°, 3.8 ft ABOVE, 5.1 LEFT MUD WT 12.0, VIS 70 IN/ MW 11.9 VIS 68 OUT CONTACTED AMY WITH TRRC AT 14:30 ON 4-18-16 ABOUT INTENT TO RUN PRODUCTION CASING AND CEMENT BIG RIG SPUD DATE ; 3/27/2016 AT 16:30 UNIVERSITY 10 RE 0606 HS (WALK)				Planned Operations FINISH CIRCULATING , CEMENT , SET SLIP'S , NIPPLE DOWN PREPARE TO WALK RIG						
Start MD (ftKB) 18,628	End MD (ftKB) 18,628	Depth Progress (ft) 0	Drilling Time (hr)	Avg ROP (ft/hr)						
Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	23:00	18.00	18,628	18,628	RAN 409 jts (INCLUDED 3 MARKER JOINTS) 5.5in, 17ppf, CYB-110, LTC PRODUCTION CSG MADE UP TO 4,620 ft/lbs OPTIMUM TORQUE. FILLED SHOE TRACK, FLOATS OPENED. AFTER INSTALLING FLOTATION COLLAR FILLED CASING ON THE FLY (PICKED UP TAG JOINT, TAGGED BOTTOM 10 ft IN, AND LAID DOWN TAG JOINT). 3 - MARKER JTS AT 16,151 ft, 13,719 ft, 11,290 ft. TRICAN FLOAT SHOE AT 18,618 ft. TRICAN FLOAT COLLAR AT 18,570 ft. TRICAN BPS SLEEVE AT 18,523 ft. TRICAN BPS SLEEVE AT 18,475 ft. TRICAN BPS SLEEVE AT 18,427 ft. TRICAN FLOTATION COLLAR AT 7,587 ft W/FULL DISPLACEMENT.	PROD	PROD	CSG/CEMENT	RUN CASING	
23:00	23:30	0.50	18,628	18,628	RIGGED UP CEMENTING HEAD AND VENT LINE	PROD	PROD	CSG/CEMENT	RUN CASING	
23:30	05:00	5.50	18,628	18,628	RUPTURED DISK IN FLOTATION COLLAR AT 1670 psi, AND BLED AIR OUT. CIRCULATED 2 BOTTOM'S UP (TEFLON HEAD)	PROD	PROD	CSG/CEMENT	RUN CASING	



AMERICAN ENERGY
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AMERICAN ENERGY - PERMIAN BASIN, LLC

UL Daily Drilling Partner Summary

UNIVERSITY 10 RE 0620HD
AEPB WELL NO. 122

Report End Date: 4/21/2016
Report Number: 32
Rig: UNIT, 407
Projected Days (days): 18
Drilling Days: 25
End MD (ftKB): 18,628
Depth Progress (ft): 0
Planned VS (ft): 9,930
Current VS (ft): 9,894
AFE Number: 1550336

API 42383395950000	Surface Legal Location UNIVERSITY LANDS SURVEY, A-U212, BLOCK 10, SECT 6	Latitude 31.2874000000	Longitude -101.4714300000	Orig KB El... 2,559.00	RKB (ft) 21.00	County REAGAN	State TEXAS			
Report Summary										
Well Spud Date 3/15/2016	Total Depth Date 4/13/2016	Rig Release Date 4/20/2016	Target Formation WFMPD_410_SH			Proposed TD (ftKB) 18,725				
Status at Report Time RIG RELEASED AT 18:00 HRS										
Operations Summary FINISH CIRCULATING 2 BTM'S UP, HELD PJSM WITH NINE CEMENTERS, RIG CREW AND TRICAN REP. TEST CEMENT LINES TO 8500 psi, CEMENT 5 1/2 in PRODUCTION CASING, LOST RETURNS 250 BBLs INTO DISPLACEMENT, CEMENT PRESSURED OUT WITH 38 BBLs LEFT OF DISPLACEMENT, WASH OUT CEMENTING EQUIPMENT, RIG DOWN CEMENT EQUIPMENT, CLEANING MUD TANKS, WASH THROUGH LINES AND BOPS, NIPPLE DOWN BOPS, SET SLIPS, FINISH NIPPLE DOWN. INSTALL TA CAP. RELEASE RIG @ 18:00 ON 4/20/2016 CALLED TRRC ABOUT BOP TEST, TALKED TO IVY @ 12:00, EVERYTHING IS OK. SURVEY AT 18,566 ft , INC 91.6°, AZI 359.5°, TVD 8,389.72 ft., VS 9,795.66 ft., DLS 1.19°, 3.8 ft ABOVE, 5.1 LEFT MUD WT 12.0, VIS 70 IN/ MW 11.9 VIS 68 OUT CONTACTED AMY WITH TRRC AT 14:30 ON 4-18-16 ABOUT INTENT TO RUN PRODUCTION CASING AND CEMENT BIG RIG SPUD DATE ; 3/27/2016 AT 16:30 UNIVERSITY 10 RE 0606 HS (WALK)				Planned Operations RIG RELEASED TO UNIVERSITY 10 RE 0606 HS						
Start MD (ftKB) 18,628		End MD (ftKB) 18,628		Depth Progress (ft) 0		Drilling Time (hr) Avg ROP (ft/hr)				
Time Log										
Start Time	End Time	Dur (hr)	Start Depth (ftKB)	End Depth (ftKB)	Comments	Hole Section	Interval	Category	Activity	NPT
05:00	06:30	1.50	18,628	18,628	FINISH CIRCULATING 2 BOTTOMS UP, HELD PJSM.	PROD	PROD	CSG/CEMENT	COND MUD & CIRC	
06:30	13:00	6.50	18,628	18,628	TESTED LINES TO 8500 psi, CEMENT 5 1/2 in PRODUCTION CEMENT. SPACER: 100 BBLs FRESH WATER W/10 ppb LCM. LEAD CEMENT: 360 BBLs OF 50/50 POZ H (1415 SKS) TAIL CEMENT: 580 BBLs OF 50/50 POZ H (2670 SKS) DISPLACE W/ 1 ST 50 BBLs W/SUGAR AND CPT-21 L , LOST RETURNS 250 BBLs INTO DISPLACEMENT, HAD 4500 psi PUMPING CEMENT @ 5 1/4 bpm W/210 BBLs PUMPED, HELD 5 1/4 RATE UNTIL PRESSURE STARTED CLIMBING @ 350 BBLs INTO DISPLACEMENT, AT 390 BBLs INTO DISPLACE HAD 6000 psi W3.5 bpm RATE, AT 399 BBLs INTO DISPLACEMENT PRESSURE WAS 7000 psi, W/404 BBLs INTO DISPLACEMENT PRESSURED OUT AT 8450 psi, BLEED 11 BBLs BACK TO TANKS, PRESSURED UP TO 8450 psi AGAIN WITH SAME RESULTS, WE HAD 38 BBLs LEFT TO PUMP ON DISPLACEMENT, WENT TO RIG FLOOR WHEN WE LOADED PLUG AND NERF BALL, PUSHED BOTH DOWN THROUGH HEAD @ 5 ft.	PROD	PROD	CSG/CEMENT	RUN CEMENT	
13:00	14:00	1.00	18,628	18,628	WASH OUT CEMENT EQUIPMENT, RIG DOWN CEMENT EQUIPMENT.	PROD	PROD	CSG/CEMENT	RUN CEMENT	
14:00	18:00	4.00	18,628	18,628	FLUSH OUT LINES AND BOPS, NIPPLE DOWN BOPS, SET SLIPS W/162K, FINISH NIPPLE DOWN, SET TA CAP. RELEASE RIG AT 18:00 HRS	PROD	PROD	CSG/CEMENT	NIPPLE UP B.O.P./WELLHEAD	