

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 12/13/2016

AFE No: 2124239

## Daily Drilling Report

DFS:

REPT NO. 2	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME PHANTOM		RIG NAME PRECISION 566		TMD 140.0	TVD 140.0	FOOTAGE 0.0	ROP 0.0
SPIID DATE 12/15/2016	API 4230133030	STATE TEXAS			COUNTY LOVING		DIVISION US SOUTHERN REGION			
CURRENT STATUS PINNING DERRICK.				FORMATION		ELEV. 2,796.01	DIESEL 100.00	MUD LOST(DAY/CUM) \$0 / \$0		
24 HR FORECAST RIG UP. SPUD WELL.				LAST SAFETY MEETING 12/13/2016		ACC LST 24 HRS? NO		WELL COST(DAY/CUM) \$40,436 / \$57,675		
LAST CASING		LKOFF	NEXT CASING		LAST BOP TEST		AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00		SUPERVISOR/DRILLING ENG DARRELL JOLLY/BOBBY WEST	

OPERATE SUMMARY: RIG DOWN. MOVE RIG. RIG UP.

## BITS/ BIT OPERATIONS

BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R

## SURVEY DATA - LAST 10

Survey Name:		Survey Tool:		Survey Company:		LAST SURVEY@ N/S				E/W	
MD	INCL	AZIMUTH	TVD	SECTION	DLS	MD	INCL	AZIMUTH	TVD	SECTION	DLS

DENS(ppg)		CGas	/	BGas		MUD DATA		TGas	/	MUD LOST		WATER LOST		0.00
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND/MBT	FC	PH/PM	Pf/Mf	CI	Ca	LIME		
00:00					/			/						

## PUMP/HYDRAULICS

NO.	MAKE OF PUMP	STK(in)	LNR(in)	PUMP OPERATION	SPM	PRESS.(psi)	GPM	AV DC	AV DP
1	BPMMP	12.000							
2	BPMMP	12.000							
TOTAL								0	

## MUD ADDITIVES

ITEM	USED	UNITS	ITEM	USED	UNITS

## COMMENTS

0000-0500: DRESS DERRICK. RIG UP VIBRATOR HOSES AND TRANSFER LINES.

## OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 00:00	24.00	MIRU	01 P - RU/RD	B - RIG UP	<p>HELD PJSM W/PRECISION, ANADARKO &amp; RED STONE. MOVE RIG TO NEW LOCATION. MOVE HOUSES, MUD PITS, ENGINES, SUBS, DRAWWORKS &amp; DERRICK.</p> <p>BEGIN RIGGING UP.</p> <p>SET SUBS, DRAWWORKS, DOG HOUSE AND PIN DERRICK.</p> <p>TRUCK W/BOPS &amp; RACK BROKEN DOWN @ 1700 HRS. SENT ANOTHER TRUCK TO PICK UP LOAD.</p> <p>BOPS &amp; RACK ARRIVED @ 2200 HRS.</p> <p>100% RIG DOWN</p> <p>100% MOVED</p> <p>75% RIGGED UP</p> <p>2 FORK LIFTS</p> <p>1 TANDEM</p> <p>1 POLE TRUCK</p> <p>7 HWY HAUL TRUCKS</p> <p>8 HEAVY HAUL TRUCKS</p> <p>3 CRANES</p>

**WINS No: J8081**

**YOKUM UL UNIT 19-4 3H**

**Date: 12/13/2016**

**AFE No: 2124239**

**Daily Drilling Report**

**DFS:**

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: XX

SPUD YOKUM UL UNIT 19-4 #3H 12/XX/2016 @ XXXX.  
RIG RELEASED @ XXXX ON XX/XX/XX.

290 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016  
4" DP 14# S-135 FH - CLEAN & VISUAL INSPECTION BY WATCHDOG ON 10/18/2016 JUMPSTART 55-2-6 UNIT 1H

TUBULAR INVENTORY:  
290 JTS 5" R-3 5" IF 19.5# S-135 DRILL PIPE (PRECISION)  
29 JTS 5" R-2 4-1/2" IF HWD (PRECISION)  
18 JTS 6-1/2" DRILL COLLARS (PRECISION)

758 JTS 4" XT-39 DRILL PIPE SST RENTAL. (ON LOCATION).  
1 JT 4" FH DRILL PIPE SST RENTAL ON LOCATION FOR TEST JOINT.

CASING STRINGS SET:  
20" CONDUCTOR SET @ 145' (RKB)  
13 3/8" SURFACE SET @ XXXX (RKB)  
9.625" INTERMEDIATE #1 CSG. @ XXXX' (RKB)  
7" CASING. @ XXXX' (RKB)  
4.5" PRODUCTION SET @ XXXX' (RKB)  
TOP OF LINER SET AT XXXXX'.

KOP: XXXX'  
LP: XXXX'

TARGET LINE  
Target Line #1:

BHA #1:

TOTAL WATER USED F/ WATER WELL: XXXXXX GAL.

EYES ON WALK AROUND (NO SPILLS).

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 12/14/2016

AFE No: 2124239

## Daily Drilling Report

DFS:

REPT NO. 3	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME PHANTOM	RIG NAME PRECISION 566		TMD 140.0	TVD 140.0	FOOTAGE	ROP 0.0
SPUD DATE 12/15/2016	API 4230133030	STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION			
CURRENT STATUS NIPPLE UP DIVERTER.			FORMATION		ELEV. 2,796.01	DIESEL 260.00	MUD LOST(DAY/CUM) \$0 / \$0		
24 HR FORECAST D INSPECTION, P/U BHA #1, SPUD DRILL T/~1150', TOOH RUN SURFACE CSG.			LAST SAFETY MEETING 12/14/2016		ACC LST 24 HRS? NO		WELL COST(DAY/CUM) \$174,352 / \$232,027		
LAST CASING		LKOFF	NEXT CASING		LAST BOP TEST		AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00		SUPERVISOR/DRILLING ENG JUSTIN PAUL/BOBBY WEST

OPERATE SUMMARY: RIG UP &amp; RUN OUT RIG.

## BITS/ BIT OPERATIONS

BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R

## SURVEY DATA - LAST 10

Survey Name:		Survey Tool:		Survey Company:		LAST SURVEY@ N/S				E/W	
MD	INCL	AZIMUTH	TVD	SECTION	DLS	MD	INCL	AZIMUTH	TVD	SECTION	DLS

DENS(ppg)		CGas	/	BGas		MUD DATA	TGas	/	MUD LOST		WATER LOST	0.00
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND/MBT	FC	PH/PM	Pf/Mf	CI	Ca	LIME
00:00					/			/				

## PUMP/HYDRAULICS

NO.	MAKE OF PUMP	STK(in)	LNR(in)	PUMP OPERATION	SPM	PRESS.(psi)	GPM	AV DC	AV DP
1	BPMMP	12.000							
2	BPMMP	12.000							
TOTAL								0	

## MUD ADDITIVES

ITEM	USED	UNITS	ITEM	USED	UNITS

## COMMENTS

00:00-05:00 N/U DIVERTER.

## OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 00:00	24.00	MIRU	01 P - RU/RD	B - RIG UP	PIN DERRICK & DRESS SAME, RAISE DERRICK @ 05:15, RAISE SUBS @ 09:00, RIG UP WALKING SYSTEM, WALK RIG OVER HOLE & CENTER. RIGGING UP FLOOR, STRING UP DWS, PIN BLOCK & TDS, UNHANGE BLOCKS, C/O SAVOR SUB, CONTINUE R/U BACKYARD. RUN OUT RIG.  100% MOVED 100% RIGGED UP  1 FORK LIFT 1 TANDEM 2 CRANES

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: 66

SPUD YOKUM UL UNIT 19-4 #3H 12/XX/2016 @ XXXX.  
RIG RELEASED @ XXXX ON XX/XX/XX.

290 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 12/15/2016

AFE No: 2124239

## Daily Drilling Report

DFS: 1

REPT NO. 4	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME PHANTOM	RIG NAME PRECISION 566		TMD 1,177.0	TVD 1,177.0	FOOTAGE 1,037.0	ROP 129.6
SPUD DATE 12/15/2016	API 4230133030	STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION			
CURRENT STATUS LAY DOWN DIRECTIONAL TOOLS.				FORMATION SURFACE		ELEV. 2,796.01	DIESEL 1,126.00	MUD LOST(DAY/CUM) \$12,979 / \$12,979	
24 HR FORECAST /U & RUN 13.375" CSG, CEMENT 13.375" CSG, N/D DIVERTER, N/U BOP'S & TE:				LAST SAFETY MEETING 12/15/2016		ACC LST 24 HRS? NO		WELL COST(DAY/CUM) \$65,650 / \$297,677	
LAST CASING 20.000 in @ 140.0 ft		LKOFF	NEXT CASING 13.375 in @ 1,150.0 ft		LAST BOP TEST		AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00		SUPERVISOR/DRILLING ENG JUSTIN PAUL/BOBBY WEST

OPERATE SUMMARY: R/U DIVERTER, P/U BHA#1, SPUD DRILL 140' - 1177', CIRCULATE HOLE CLEAN, TOOH L/D DIR TOOLS.

## BITS/ BIT OPERATIONS

BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R
1/1	17.500	ULTERRA / U616S	24930	9/12	15 40	40 70	795 3000	173	140 1177	1,037.0	8.00	129.6	1-2-X-I-TD

## SURVEY DATA

Survey Name: Openwire		Survey Tool: MWD+IFR1		Survey Company: PREMIER DIRECTIONAL DRILL				LAST SURVEY@1072 N/S		-0.7	E/W	5.0
MD	INCL	AZIMUTH	TVD	SECTION	DLS	MD	INCL	AZIMUTH	TVD	SECTION	DLS	
198	0.40	139.90	198.0	0.6	0.20	612	0.30	87.60	612.0	2.9	0.19	
271	0.50	116.60	271.0	1.1	0.28	801	0.40	52.40	801.0	2.8	0.12	
364	0.50	136.30	364.0	1.7	0.18	989	0.30	35.90	989.0	2.3	0.08	
487	0.40	123.30	487.0	2.5	0.12	1072	0.20	68.50	1,072.0	2.1	0.20	

DENS(ppg)	9.4	CGas	/	BGas		MUD DATA		TGas	/	MUD LOST			WATER LOST	0.00
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND/MBT	FC	PH/PM	Pf/Mf	CI	Ca	LIME		
00:00	33.0	3.0/2.0	1.0/2.0/3.0	87.0	3.80/3.9		3.0	8.50/0.10	0.05/0.05	68,000				

## PUMP/HYDRAULICS

NO.	MAKE OF PUMP	STK(in)	LNR(in)	PUMP OPERATION	SPM	PRESS.(psi)	GPM	AV DC	AV DP
1	BPMMP	12.000	6.000	DRILLING	95	3000	398		
2	BPMMP	12.000	6.000	DRILLING	95	3000	398		
TOTAL							795		

## MUD ADDITIVES

ITEM	USED	UNITS	ITEM	USED	UNITS
AQUAGEL	176	50# SX	DRLG FLUIDS ENGR	1	per day
EZ MUD	2	5 GALLON	LIME	6	50# SX
SCALE CHARGE	6	1 EACH	SHRINKWRAP	10	1 EACH
SODA ASH	17	50# SX	TRANSPORTATION	2	1 EACH
TRANSPORTATION	3316	1 CWT	WALL-NUT MEDIUM	5	50# SX
FORKLIFT	1	EA USE	PALLETS	10	EA
DRLG FLUIDS ENGR1	3	1/2	RENTAL EQUIPMENT	2	BULK TANK
RENTAL EQUIPMENT	10	SWAMPER			

## COMMENTS

00:00-01:30 FINISH L/D DIR TOOLS.  
 01:30-02:00 SERVICE RIG  
 02:00-04:30 R/U & RUN 13.375" SURFACE CASING.  
 04:30-05:00 R/U CEMENT HEAD & CIRCULATE.

**WINS No: J8081****YOKUM UL UNIT 19-4 3H****Date: 12/15/2016****AFE No: 2124239****Daily Drilling Report****DFS: 1****OPERATION DETAILS**

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 07:30	7.50	MIRU	14 P - NU BOPE	A - NIPPLE UP / NIPPLE DOWN	WELD ON CONDUCTOR RISER. NIPPLE UP DIVERTER SYSTEM, BOUY LINES, FLOW LINE, SHAKER SLIDES, CENTER RISER.
07:30 - 08:30	1.00	MIRU	14 P - NU BOPE	A - NIPPLE UP / NIPPLE DOWN	PRE-SPUD SAFETY MTG ON WELL CONTROLL.
08:30 - 11:00	2.50	MIRU	06 P - TRIPPING	A - BIT/ BHA	M/U BHA #1: 17.5" ULTERRA 616S W/ .99 TFA, 9.625" MPACT ABH MM SET @ 1.5" ( 6/7 LOBE, 5 STG, 7.40 BTB, ) 16.875" IBS, 2-8" SHOCK SUBS, 8" NMDC, UBHO, 2-8" NMDC, X-O, 15-6.5" DC, X-O, 15. ORIENT BHA. FUNCTION TEST DIVERTER SYSTEM. TAG BTM @ 140'.
11:00 - 16:30	5.50	DRLSUR	02 P - DRILL - ACTUAL	B - MOTOR/TURBINE - VERTICAL	DRILL 17.5" SURFACE HOLE F/ 140' - 815', 675' @ 122 FPH. 10-40 WOB, SPP 1000-2900, GPM 400-836, RPM 40-70, DIFF. 400-1000, TQ 6-20. MUD WT 9.4 PPG.
16:30 - 18:00	1.50	DRLSUR	05 P - CIRC & COND MUD	F - HOLE CLEANING/HIGH VIS PILL	SAVOR SUB BROKE OUT OF TDS INSTEAD OF PIPE WHILE MAKING CONNECTION, CIRCULATE BOTTOMS UP, BACK OUT SAVOR SUB FROM TDS & BREAK OUT OF PIPE WITH RIG TONGS. (CIRCULATE AT REDUCE RATE AS MUCH AS POSSIBLE WHILE REMOVING & INSTALLING TORQUE RING @ SAVOR SUB.
18:00 - 20:30	2.50	DRLSUR	02 P - DRILL - ACTUAL	B - MOTOR/TURBINE - VERTICAL	DRILL 17.5" SURFACE HOLE F/ 815' - 1177', 362' @ 144 FPH. 10-40 WOB, SPP 1000-2900, GPM 400-836, RPM 40-70, DIFF. 400-1000, TQ 6-20. TD SURFACE @ 1177'.
20:30 - 21:30	1.00	CSGSUR	05 P - CIRC & COND MUD	F - HOLE CLEANING/HIGH VIS PILL	PUMP 50 BBL HI VISC SWEEPS & CIRC HOLE CLEAN. 10% CALCULATED WASH.
21:30 - 00:00	2.50	CSGSUR	06 P - TRIPPING	A - BIT/ BHA	TOOH. L/D DIR TOOLS. (TIGHT FROM 865' TO 790', WASH & REAM 865'-790', PUMP SWEEP & CIRCULATE CLEAN, WORK BACK THROUGH TIGHT SPOT W/O PUMP OR ROTARY, HOLE SLICK).  BIT GRADE 1-2-CT,GA,INGAUGE.

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: 66

SPUD YOKUM UL UNIT 19-4 #3H 12/15/2016 @ 11:00.  
RIG RELEASED @ XXXX ON XX/XX/XX.

LAST 5" INSPECTION - 10/9/16  
LAST 4" INSPECTION CAT 3 - 10/25/16  
LAST BHA INSPECTION - 12/5/16

**TUBULAR INVENTORY:**

290 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016 (PRECISION)  
29 JTS 5" 4-1/2" IF HWDP (PRECISION)  
18 JTS 6-1/2" DRILL COLLARS (PRECISION)

758 JTS 4" XT-39 DRILL PIPE (WORKSTRING)  
1 JT 4" FH DRILL PIPE (WORKSTRING)

**CASING STRINGS SET:**

20" CONDUCTOR SET @ 140'  
13 3/8" SURFACE CASING SET @ XXXX'  
9 5/8" INTERMEDIATE #1 SET @ XXXX'  
KICKOFF POINT @ XXXX'  
CURVE LANDED @ XXXX'  
7" INTERMEDIATE #2 @ XXXX'  
TD WELL @ XXXX'  
PRODUCTION CASING @ XXXX'

**TARGET LINE:**

BHA #1: 17.5" U616 ULTERRA W/ 9-12'S, 9 5/8" MPACT MOTOR 6/7 - 5.0 - 0.13 RPG SET @ 1.5" W/ 16.875" NBS, 16.875" IBS, SHOCK SUB, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 115 X 5" HWDP, TOTAL FTG: 1037'. TOTAL HRS: 8. ROP: 129 FPH. DEPTH IN: 140'. DEPTH OUT: 1177'. REASON PULLED - TD SURFACE. BIT GRADE: 1-2-CT-GA-IN GAUGE.

EYES ON WALK AROUND (NO SPILLS).

<b>WINS No: J8081</b>				<b>YOKUM UL UNIT 19-4 3H</b>				<b>Date: 12/16/2016</b>							
<b>AFE No: 2124239</b>				<b>Daily Drilling Report</b>				<b>DFS: 2</b>							
REPT NO. 5		OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME PHANTOM		RIG NAME PRECISION 566		TMD 1,177.0		TVD 1,177.0		FOOTAGE		ROP 0.0	
SPUD DATE 12/15/2016		API 4230133030		STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION							
CURRENT STATUS P/U & M/U DIRECTIONAL BHA #2.						FORMATION SURFACE		ELEV. 2,796.01		DIESEL 108.00		MUD LOST(DAY/CUM) \$795 / \$13,774			
24 HR FORECAST J BHA #2, TIH TAG CMT, DRILL SHOE TRACK, DRILL 12.25" 1st INTERMEDIATE						LAST SAFETY MEETING 12/16/2016		ACC LST 24 HRS? NO		WELL COST(DAY/CUM) \$123,023 / \$420,700					
LAST CASING 20.000 in @ 140.0 ft		LKOFF		NEXT CASING 13.375 in @ 1,177.0 ft		LAST BOP TEST 12/16/2016		AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00		SUPERVISOR/DRILLING ENG JUSTIN PAUL/BOBBY WEST					
OPERATE SUMMARY: L/D BHA #2, R/U & RUN 13.375" CASING, CIRCULATE CSG VOLUME +, CEMENT 13.375" CSG, N/D DIVERTER, WELD ON A-SECTION, N/U BOP'S & TEST, P/U DIRECTIONAL BHA #2.															
<b>BITS/ BIT OPERATIONS</b>															
BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R		
<b>SURVEY DATA - LAST 10</b>															
Survey Name: Openwire		Survey Tool: MWD+IFR1		Survey Company: PREMIER DIRECTIONAL DRILL				LAST SURVEY@1072 N/S		-0.7		E/W		5.0	
MD	INCL	AZIMUTH	TVD	SECTION	DLS	MD	INCL	AZIMUTH	TVD	SECTION	DLS				
0	0.00	0.00	0.0	0.0		487	0.40	123.30	487.0	2.5	0.12				
0	0.00	0.00	0.0	0.0	0.00	612	0.30	87.60	612.0	2.9	0.19				
198	0.40	139.90	198.0	0.6	0.20	801	0.40	52.40	801.0	2.8	0.12				
271	0.50	116.60	271.0	1.1	0.28	989	0.30	35.90	989.0	2.3	0.08				
364	0.50	136.30	364.0	1.7	0.18	1072	0.20	68.50	1,072.0	2.1	0.20				
DENS(ppg)	9.2		CGas	/	BGas	MUD DATA		TGas	/	MUD LOST	WATER LOST		0.00		
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND/MBT	FC	PH/PM	Pf/Mf	CI	Ca	LIME			
00:00	29.0	2.0/1.0	1.0/1.0/1.0	100.0	1.80/1.8		1.0	9.00/0.20	0.05/0.10	75,000					
<b>PUMP/HYDRAULICS</b>															
NO.	MAKE OF PUMP		STK(in)	LNR(in)	PUMP OPERATION		SPM	PRESS.(psi)	GPM	AV DC	AV DP				
1	BPMMP		12.000	6.000											
2	BPMMP		12.000												
TOTAL									0						
<b>MUD ADDITIVES</b>															
ITEM			USED	UNITS	ITEM			USED	UNITS						
DRLG FLUIDS ENGR			1	per day											
<b>COMMENTS</b>															
00:00-02:30 P/U DIRECTIONAL BHA #2, TIH TAG CMT @ 1130'.															
02:30-03:00 DRILL CEMENT & SHOE TRACK 1130' - 1177'.															
03:00-05:00 DRILL 12.25" INTER 1177' - 1439', 262' @ 131FPH.															

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 12/16/2016

AFE No: 2124239

## Daily Drilling Report

DFS: 2

## OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 01:30	1.50	CSGSUR	06 P - TRIPPING	A - BIT/ BHA	L/D DIRECTIONAL TOOLS & CLEAR RIG FLOOR.
01:30 - 02:00	0.50	CSGSUR	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	SERVICE RIG
02:00 - 04:30	2.50	CSGSUR	12 P - RUN CASING & CEMENT	C - RUN/PULL CASING/LINER/TI EBACK	PJSM WITH FRANKS CASING CREW. R/U TOOLS & RUN 28 JTS OF 13.375" 54.5# J-55 BTC TO 1177'. 1) WEATHERFORD FLOAT SHOE @ 1177'. 2) 1 JT CSG. 3) WEATHERFORD FLOAT COLLAR @ 1133'. 4) 27 JTS CSG. RAN 10 BOW SPRING CENTRALIZERS 5' ABOVE SHOE AND EVERY 4RD JT TO SURFACE. R/D FRANKS CSG.
04:30 - 05:30	1.00	CSGSUR	05 P - CIRC & COND MUD	D - DOWN CASING	CIRC 1.5 TIMES CSG CAP WHILE RIGGING UP ALLIED.
05:30 - 09:00	3.50	CSGSUR	12 P - RUN CASING & CEMENT	E - CEMENTING PRIMARY	PJSM WITH ALLIED, SWAP LINES & CEMENT AS FOLLOWS:  1) TEST LINES TO 2000 PSI. 2) PUMP 30 BBL FRESH WATER SPACER 3) 315 BBLS (715 SX) OF 12 PPG LEAD CMT @ 2.48 YD. CLASS C PREMIUM PLUS. 4) 44 BBL (188 SX) OF 14.8 PPG TAIL @ 1.34 YD. CLASS C PREMIUM PLUS. 5) DROP PLUG AND DISPLACE WITH 175 BBLS FRESH WATER. BUMP PLUG ON TIME WITH 900 PSI @ 4 BPM, RELEASE. FLOATS HELD WITH 1 BBL BACK TO TRUCK. FULL RETURNS DURING JOB. 165 BBLS CEMENT BACK TO SURFACE. ( TEST CASING TO 1200 PSI AND HOLD FOR 30 MIN, TEST GOOD. ) R/D ALLIED
09:00 - 12:30	3.50	CSGSUR	14 P - NU BOPE	A - NIPPLE UP / NIPPLE DOWN	NIPPLE DOWN DIVERTER SYSTEM. LIFT SAME & ROUGH CUT CSG. L/D DIVERTER SYSTEM.
12:30 - 17:00	4.50	CSGSUR	24 P - SURFACE/ SUBSURFAC E EQPMT	A - WELLHEAD INSTALLATION	MAKE FINAL CUT & INSTALL CAMERON 13.625" 5M SOW W/ BASE PLATE. TOP OF FLANGE @ 33" BGL. TEST VOID TO 565 PSI. TEST GOOD.
17:00 - 19:30	2.50	CSGSUR	14 P - NU BOPE	A - NIPPLE UP / NIPPLE DOWN	NIPPLE UP BOPS.
19:30 - 23:30	4.00	CSGSUR	15 P - TEST BOP	A - TESTING	R/U MONAHANS. TEST BOPS & ALL RELATED EQ TO 5000 PSI HIGH & 250 PSI LOW. ANNULAR 3000 PSI HIGH. TESTED BACK TO MUD PUMPS 4500 PSI. ALLTEST GOOD.  R/D MONAHANS. INSTALL WEARBUSHING.
23:30 - 00:00	0.50	CSGSUR	06 P - TRIPPING	A - BIT/ BHA	M/U BHA #2: 12.25" ULTERRA U616S W/ 1.04 TFA, 7.75" MPACTH MM SET @ 1.5° ( 4/5 LOBE, 5.3 STG, 6.10 BTB, 82' BTS ) 11.625" IBS, 8" SHOCK SUB, 8" NDPC, UBHO, 2-8" NMDC, X-O,

**WINS No: J8081**

**YOKUM UL UNIT 19-4 3H**

**Date: 12/16/2016**

**AFE No: 2124239**

**Daily Drilling Report**

**DFS: 2**

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: 66

SPUD YOKUM UL UNIT 19-4 #3H 12/15/2016 @ 11:00.  
RIG RELEASED @ XXXX ON XX/XX/XX.

LAST 5" INSPECTION - 10/9/16  
LAST 4" INSPECTION CAT 3 - 10/25/16  
LAST BHA INSPECTION - 12/5/16

**TUBULAR INVENTORY:**

290 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016 (PRECISION)  
29 JTS 5" 4-1/2" IF HWD (PRECISION)  
18 JTS 6-1/2" DRILL COLLARS (PRECISION)

758 JTS 4" XT-39 DRILL PIPE (WORKSTRING)  
1 JT 4" FH DRILL PIPE (WORKSTRING)

**CASING STRINGS SET:**

20" CONDUCTOR SET @ 140'  
13 3/8" SURFACE CASING SET @ 1177'  
9 5/8" INTERMEDIATE #1 SET @ XXXX'  
KICKOFF POINT @ XXXX'  
CURVE LANDED @ XXXX'  
7" INTERMEDIATE #2 @ XXXX'  
TD WELL @ XXXX'  
PRODUCTION CASING @ XXXX'

**TARGET LINE:**

BHA #1: 17.5" U616 ULTERRA W/ 9-12'S, 9 5/8" MPACT MOTOR 6/7 - 5.0 - 0.13 RPG SET @ 1.5" W/ 16.875" NBS, 16.875" IBS, SHOCK SUB, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 115 X 5" HWD, TOTAL FTG: 1037'. TOTAL HRS: 8. ROP: 129 FPH. DEPTH IN: 140'. DEPTH OUT: 1177'. REASON PULLED - TD SURFACE. BIT GRADE: 1-2-CT-GA-IN GAUGE.

EYES ON WALK AROUND (NO SPILLS).



WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 12/17/2016

AFE No: 2124239

## Daily Drilling Report

DFS: 3

REPT NO. 6	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME PHANTOM	RIG NAME PRECISION 566		TMD 4,091.0	TVD 4,087.1	FOOTAGE 2,914.0	ROP 145.7
SPLIT DATE 12/15/2016	API 4230133030	STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION			
CURRENT STATUS DRILL 12.25" HOLE @ 4091'.				FORMATION SURFACE		ELEV. 2,796.01	DIESEL 3,369.00	MUD LOST(DAY/CUM) \$3952 / \$17,726	
24 HR FORECAST 5' (TD), CIRCULATE HOLE CLEAN, TOOH L/D DIR TOOLS, R/U & RUN 9.625" CS(				LAST SAFETY MEETING 12/17/2016		ACC LST 24 HRS? NO		WELL COST(DAY/CUM) \$54,953 / \$475,653	
LAST CASING 13.375 in @ 1,177.0 ft		LKOFF	NEXT CASING 9.625 in @ 4,974.0 ft	LAST BOP TEST 12/16/2016		AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00		SUPERVISOR/DRILLING ENG JUSTIN PAUL/BOBBY WEST	

OPERATE SUMMARY: P/U BHA #2, TIH, DRILL CEMENT &amp; SHOE TRACK, DRILL 12.25" HOLE 1177'-4091', 2914' @ 145 FPH.

## BITS/ BIT OPERATIONS

BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R
2/1	12.250	ULTERRA / U616S	27352	6/15	25 40	40 70	795 4300	269	1177 4975	2,914.0	20.00	145.7	1-2-X-I-TD

## SURVEY DATA

Survey Name: Openwire		Survey Tool: MWD+IFR1		Survey Company: PREMIER DIRECTIONAL DRILL				LAST SURVEY@4035 N/S		-7.1	E/W	-120.5
MD	INCL	AZIMUTH	TVD	SECTION	DLS	MD	INCL	AZIMUTH	TVD	SECTION	DLS	
1213	0.40	116.10	1,213.0	2.4	0.22	2780	3.30	294.60	2,777.3	-24.3	0.29	
1347	0.40	202.80	1,347.0	3.1	0.41	2959	3.80	272.80	2,956.0	-29.6	0.80	
1527	2.40	256.90	1,526.9	3.4	1.22	3138	3.40	272.50	3,134.6	-33.2	0.22	
1706	4.10	264.10	1,705.6	2.0	0.97	3318	1.60	269.90	3,314.4	-35.7	1.00	
1884	4.00	268.10	1,883.2	-0.7	0.17	3497	0.70	165.60	3,493.4	-35.3	1.06	
2063	4.00	270.30	2,061.7	-4.0	0.09	3677	1.60	236.20	3,673.4	-33.4	0.84	
2243	3.80	274.50	2,241.3	-7.9	0.19	3856	2.50	229.80	3,852.3	-31.1	0.52	
2421	3.80	281.10	2,418.9	-12.7	0.25	4035	2.10	204.40	4,031.1	-27.0	0.61	
2601	3.30	285.60	2,598.6	-18.2	0.32							

DENS(ppg)	10.3	CGas	/	BGas		MUD DATA	TGas	/	MUD LOST		WATER LOST	0.00
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND/MBT	FC	PH/PM	Pf/Mf	CI	Ca	LIME
00:00	32.0	2.0/2.0	1.0/1.0/1.0	100.0	3.77/3.7		2.0	10.00/0.40	0.25/0.45	180,000		

## PUMP/HYDRAULICS

NO.	MAKE OF PUMP	STK(in)	LNR(in)	PUMP OPERATION	SPM	PRESS.(psi)	GPM	AV DC	AV DP
1	BPMMP	12.000	6.000	DRILLING	95	4300	398		
2	BPMMP	12.000	6.000	DRILLING	95	4300	398		
TOTAL							795		

## MUD ADDITIVES

ITEM	USED	UNITS	ITEM	USED	UNITS
DRLG FLUIDS ENGR	1	per day	EZ MUD	2	5 GALLON
LIME	4	50# SX	ZEOGEL	100	50# SX
BAROID 41 (ST)	10	US TON			

## COMMENTS

00:00-05:00 DRILL 12.25" INT HOLE F/ 4091' - 4662', 571' @ 114 FPH. 25-42 WOB, SPP 4300, GPM 794, MMRPM 198, RPM 70, DIFF. 500-950, TQ 6-15.

## OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 02:30	2.50	CSGSUR	06 P - TRIPPING	A - BIT/ BHA	M/U BHA #2: 12.25" ULTERRA U616S W/ 1.04 TFA, 7.75" MPACTH MM SET @ 1.5° ( 4/5 LOBE, 5.3 STG, 6.10 BTB, 90' BTS ) 11.625" IBS, 8" SHOCK SUB, 8" NMDC, UBHO, 2-8" NMDC, X-O, 15-6.5" DC, X-O, 15 HWD, ORIENT MWD. TAG @ 1130'.
02:30 - 03:00	0.50	CSGSUR	02 P - DRILL - ACTUAL	F - CEMENT IN CASING/SHOE	DRILL CEMENT & SHOE TRACK F/ 1130' - 1177'. FLOAT COLLAR @ 1133'. SHOE @ 1177'.
03:00 - 17:30	14.50	DRLIN1	02 P - DRILL - ACTUAL	B - MOTOR/TURBINE - VERTICAL	DRILL 12.25" INT HOLE F/ 1177' - 3440'. 2263' @ 156 FPH. 10-42 WOB, SPP 3500, GPM 836, MMRPM 209, RPM 70, DIFF. 600-1000, TQ 6-15. MUD WT 9.9 PPG.
17:30 - 18:00	0.50	DRLIN1	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	SERVICE RIG.
18:00 - 23:30	5.50	DRLIN1	02 P - DRILL - ACTUAL	B - MOTOR/TURBINE - VERTICAL	DRILL 12.25" INT HOLE F/ 3440' - 4091', 651' @ 118 FPH. 30-42 WOB, SPP 4300, GPM 794, MMRPM 198, RPM 70, DIFF. 500-950, TQ 6-15. MUD WT 10.0 PPG.
23:30 - 00:00	0.50	DRLIN1	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	SERVICE RIG.

**WINS No: J8081**

**YOKUM UL UNIT 19-4 3H**

**Date: 12/17/2016**

**AFE No: 2124239**

**Daily Drilling Report**

**DFS: 3**

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: 66

SPUD YOKUM UL UNIT 19-4 #3H 12/15/2016 @ 11:00.  
RIG RELEASED @ XXXX ON XX/XX/XX.

LAST 5" INSPECTION - 10/9/16  
LAST 4" INSPECTION CAT 3 - 10/25/16  
LAST BHA INSPECTION - 12/5/16

**TUBULAR INVENTORY:**

290 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016 (PRECISION)  
29 JTS 5" 4-1/2" IF HWDP (PRECISION)  
18 JTS 6-1/2" DRILL COLLARS (PRECISION)

758 JTS 4" XT-39 DRILL PIPE (WORKSTRING)  
1 JT 4" FH DRILL PIPE (WORKSTRING)

**CASING STRINGS SET:**

20" CONDUCTOR SET @ 140'  
13 3/8" SURFACE CASING SET @ 1177'  
9 5/8" INTERMEDIATE #1 SET @ XXXX'  
KICKOFF POINT @ XXXXX'  
CURVE LANDED @ XXXXX'  
7" INTERMEDIATE #2 @ XXXXX'  
TD WELL @ XXXXX  
PRODUCTION CASING @ XXXXX'

**TARGET LINE:**

BHA #1: 17.5" U616 ULTERRA W/ 9-12'S, 9 5/8" MPACT MOTOR 6/7 - 5.0 - 0.13 RPG SET @ 1.5" W/ 16.875" NBS, 16.875" IBS, SHOCK SUB, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 1037'. TOTAL HRS: 8. ROP: 129 FPH. DEPTH IN: 140'. DEPTH OUT: 1177'. REASON PULLED - TD SURFACE. BIT GRADE: 1-2-CT-GA-IN GAUGE.

BHA #2: 12.25" U616 ULTERRA W/ 6-15'S, 7.75" MPACT MOTOR 4/5 - 5.3 - .25 RPG SET @ 1.5" W/ 11.625" NBS, 11.625" IBS, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 1082. TOTAL HRS: X. ROP: XXX FPH. DEPTH IN: 1177'. DEPTH OUT: XXXX'. REASON PULLED - TD XXXX. BIT GRADE: XXXXXX.

EYES ON WALK AROUND (NO SPILLS).

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 12/18/2016

AFE No: 2124239

## Daily Drilling Report

DFS: 4

REPT NO. 7	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME PHANTOM	RIG NAME PRECISION 566		TMD 4,975.0	TVD 4,970.9	FOOTAGE 884.0	ROP 117.9
SPLIT DATE 12/15/2016	API 4230133030	STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION			
CURRENT STATUS TESTING 9.625" CSG TO 1500 PSI.				FORMATION BELL CANYON		ELEV. 2,796.01	DIESEL 1,531.00	MUD LOST(DAY/CUM) \$3369 / \$21,095	
24 HR FORECAST WELL HEAD, N/U BOP'S & SHELL TEST. P/U DIRECTIONAL BHA #3, TIH TAG CM				LAST SAFETY MEETING 12/18/2016		ACC LST 24 HRS? NO		WELL COST(DAY/CUM) \$173,390 / \$649,043	
LAST CASING 13.375 in @ 1,177.0 ft		LKOFF	NEXT CASING 9.625 in @ 4,974.0 ft		LAST BOP TEST 12/16/2016		AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00		SUPERVISOR/DRILLING ENG JUSTIN PAUL/BOBBY WEST

OPERATE SUMMARY: DRILL 12.25" HOLE T/ 4975', PUMP SWEEP &amp; CIRCULATE HOLE CLEAN, TOOH L/D DIR TOOLS, R/U &amp; RUN &amp; CEMENT 9.625" CASING.

## BITS/ BIT OPERATIONS

BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R
2/1	12.250	ULTERRA / U616S	27352	6/15	25 40	70 70	795 4300	269	1177 4975	3,798.0	27.50	138.1	1-2-X-I-TD

## SURVEY DATA

Survey Name: Openwire		Survey Tool: MWD+IFR1		Survey Company: PREMIER DIRECTIONAL DRILL				LAST SURVEY@4885 N/S		-15.0	E/W	-132.6
MD	INCL	AZIMUTH	TVD	SECTION	DLS	MD	INCL	AZIMUTH	TVD	SECTION	DLS	
4214	1.50	248.20	4,210.0	-24.3	0.81	4751	0.40	195.40	4,747.0	-23.7	0.43	
4393	1.00	255.90	4,389.0	-24.1	0.29	4885	0.60	207.10	4,880.9	-22.8	0.17	
4572	0.90	255.00	4,568.0	-24.2	0.06							

DENS(ppg)	9.5	CGas	/	BGas		MUD DATA		TGas	/	MUD LOST		WATER LOST		0.00
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND/MBT	FC	PH/PM	Pf/Mf	CI	Ca	LIME		
00:00	28.0	2.0/10.0	1.0/1.0/1.0	100.0	1.10/1.1		1.0	9.50/0.30	0.10/0.30	114,000				

## PUMP/HYDRAULICS

NO.	MAKE OF PUMP	STK(in)	LNR(in)	PUMP OPERATION	SPM	PRESS.(psi)	GPM	AV DC	AV DP
1	BPMMP	12.000	6.000	DRILLING	95	4300	398		
2	BPMMP	12.000	6.000	DRILLING	95	4300	398		
TOTAL							795		

## MUD ADDITIVES

ITEM	USED	UNITS	ITEM	USED	UNITS
DRLG FLUIDS ENGR	1	per day	EZ MUD	3	5 GALLON
LIME	3	50# SX	ZEOGEL	98	50# SX
BAROID 41 (ST)	7	US TON			

## COMMENTS

00:00-00:30 TEST 9.625" CASING TO 1500 PSI, GOOD TEST.  
 00:30-02:00 N/D BOP'S & SET SLIPS ON 9.625" CSG @ 190K.  
 02:00-03:30 N/U B-SECTION WELL HEAD & TEST TO 1280 PSI.  
 03:30-05:00, N/U BOP'S.

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 12/18/2016

AFE No: 2124239

## Daily Drilling Report

DFS: 4

## OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 07:30	7.50	DRLIN1	02 P - DRILL - ACTUAL	B - MOTOR/TURBINE - VERTICAL	DRILL 12.25" INT HOLE F/ 4091' - 4975', 884' @ 117 FPH. 30-42 WOB, SPP 4300, GPM 794, MMRPM 198, RPM 70, DIFF. 500-950, TQ 6-15. MUD WT 10.2 PPG.
07:30 - 09:00	1.50	CSGIN1	05 P - CIRC & COND MUD	F - HOLE CLEANING/HIGH VIS PILL	PUMP SWEEPS & CIRC HOLE CLEAN. CALCULATED 30% WASH OUT. PUMP SLUG.
09:00 - 13:30	4.50	CSGIN1	06 P - TRIPPING	A - BIT/ BHA	TOOH. L/D DIR TOOLS. HOLE TAKING PROPER FILL. RETRIEVE WEAR BUSHING.
13:30 - 14:00	0.50	CSGIN1	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	SERVICE RIG.
14:00 - 20:00	6.00	CSGIN1	12 P - RUN CASING & CEMENT	C - RUN/PULL CASING/LINER/TI EBACK	PJSM WITH FRANKS CASING CREW R/U TOOLS. M/U FLOAT EQUIPMENT, RUN 119 JTS OF 9.625" 40# J-55 BTC TO 4975'.  1) WEATHERFORD FLOAT SHOE @ 4975'. 2) 1 JT CSG. 3) WEATHERFORD FLOAT COLLAR @ 4931' 4) 118 JTS CSG. RAN 1 BOW SPRING CENTRALIZERS 5' ABOVE SHOE & FLOAT COLLAR THEN EVERY 5TH JT TO SURFACE CSG SHOE @ 1177'.  R/D FRANKS CASING CREW
20:00 - 21:00	1.00	CSGIN1	05 P - CIRC & COND MUD	D - DOWN CASING	CIRCULATE CSG CAP + WHILE RIGGING UP ALLIED.
21:00 - 00:00	3.00	CSGIN1	12 P - RUN CASING & CEMENT	E - CEMENTING PRIMARY	PJSM WITH ALLIED,  1) TEST LINES TO 3000 PSI. 2) PUMP 30 BBL FRESH WATER SPACER 3) 527 BBLS ( 1220 SX ) OF 12 PPG LEAD CMT. @ 2.43 YD. CLASS C PREMIUM PLUS. 4) 35 BBL ( 148 SX ) OF 14.8 PPG TAIL CMT. @ 1.33 YD. CLASS C PREMIUM PLUS. 5) DROP PLUG AND DISPLACE WITH 374 BBLS OF FRESH WATER. BUMP PLUG ON TIME @ 800 PSI @ 3 BPM, PRESSURED UP TO 1300 PSI, HELD FOR 2 MINUTES, BLEED BACK 1.5 BBLS., FLOATS HELD, FULL RETURNS UNTIL 290 BBLS GONE, PARTIAL RETURNS UNTIL PLUG BUMP, NO CEMENT TO SURFACE.  PRESSURED BACK UP TO 1500 PSI & HELD FOR 30 MINS. FOR CSG. TEST.

**WINS No: J8081**

**YOKUM UL UNIT 19-4 3H**

**Date: 12/18/2016**

**AFE No: 2124239**

**Daily Drilling Report**

**DFS: 4**

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: 66

SPUD YOKUM UL UNIT 19-4 #3H 12/15/2016 @ 11:00.  
RIG RELEASED @ XXXX ON XX/XX/XX.

LAST 5" INSPECTION - 10/9/16  
LAST 4" INSPECTION CAT 3 - 10/25/16  
LAST BHA INSPECTION - 12/5/16

TUBULAR INVENTORY:

290 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016 (PRECISION)  
29 JTS 5" 4-1/2" IF HWDP (PRECISION)  
18 JTS 6-1/2" DRILL COLLARS (PRECISION)

758 JTS 4" XT-39 DRILL PIPE (WORKSTRING)  
1 JT 4" FH DRILL PIPE (WORKSTRING)

CASING STRINGS SET:

20" CONDUCTOR SET @ 140'  
13 3/8" SURFACE CASING SET @ 1177'  
9 5/8" INTERMEDIATE #1 SET @ XXXX'  
KICKOFF POINT @ XXXXX'  
CURVE LANDED @ XXXXX'  
7" INTERMEDIATE #2 @ XXXXX'  
TD WELL @ XXXXX  
PRODUCTION CASING @ XXXXX'

TARGET LINE:

BHA #1: 17.5" U616 ULTERRA W/ 9-12'S, 9 5/8" MPACT MOTOR 6/7 - 5.0 - 0.13 RPG SET @ 1.5" W/ 16.875" NBS, 16.875" IBS, SHOCK SUB, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 1037'. TOTAL HRS: 8. ROP: 129 FPH. DEPTH IN: 140'. DEPTH OUT: 1177'. REASON PULLED - TD SURFACE. BIT GRADE: 1-2-CT-GA-IN GAUGE.

BHA #2: 12.25" U616 ULTERRA W/ 6-15'S, 7.75" MPACT MOTOR 4/5 - 5.3 - .25 RPG SET @ 1.5" W/ 11.625" NBS, 11.625" IBS, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 3798. TOTAL HRS: 27.5. ROP: 138 FPH. DEPTH IN: 1177'. DEPTH OUT: 4975'. REASON PULLED - TD CSG PT. BIT GRADE: 1-2-CT-GA-INGAUGE.

EYES ON WALK AROUND (NO SPILLS).

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 12/19/2016

AFE No: 2124239

## Daily Drilling Report

DFS: 5

REPT NO. 8	OPERATOR ANADARKO E&P ONSHORE LLC	FIELD NAME PHANTOM	RIG NAME PRECISION 566	TMD 5,275.0	TVD 5,270.8	FOOTAGE 300.0	ROP 100.0						
SPLIT DATE 12/15/2016	API 4230133030	STATE TEXAS	COUNTY LOVING	DIVISION US SOUTHERN REGION									
CURRENT STATUS TIH W/ DIR BHA #4.		FORMATION BELL CANYON	ELEV. 2,796.01	DIESEL 1,376.00	MUD LOST(DAY/CUM) \$1048 / \$22,143								
24 HR FORECAST DRILL AHEAD IN 8.75" INT T/ KOP +/- 11125'.		LAST SAFETY MEETING 12/19/2016	ACC LST 24 HRS? NO	WELL COST(DAY/CUM) \$46,954 / \$695,997									
LAST CASING 13.375 in @ 1,177.0 ft	LKOFF	NEXT CASING 9.625 in @ 4,974.0 ft	LAST BOP TEST 12/19/2016	AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00	SUPERVISOR/DRILLING ENG JUSTIN PAUL/BOBBY WEST								
OPERATE SUMMARY: N/D BOP'S, SET SLIPS & N/U B-SECTION WELL HEAD, N/U BOP'S & SHELL TEST. P/U DIRECTIONAL BHA #3, TIH TAG CMT, DRILL CEMENT & SHOE TRACK, DRILL 8.75" INT 4975'-5275', TOOH DUE TO TOOLFACE ORIENTATION, CHECK BHA, C/O SHOCK SUB, & MWD TIH.													
BITS/ BIT OPERATIONS													
BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R
3/1	8.750	BAKER HUGHES /	7160524	7/14	15 30	40 40	586 2750	157	4975 5275	300.0	3.00	100.0	0-0-X-I-BHA
SURVEY DATA													
Survey Name: Openwire		Survey Tool: MWD+IFR1		Survey Company: PREMIER DIRECTIONAL DRILL		LAST SURVEY@5228 N/S		-13.3	E/W	-137.0			
MD	INCL	AZIMUTH	TVD	SECTION	DLS	MD	INCL	AZIMUTH	TVD	SECTION	DLS		
5035	0.48	199.34	5,030.9	-21.7	0.09	5228	3.24	314.64	5,223.9	-25.6	1.95		
5124	1.23	306.89	5,119.9	-22.2	1.63								
DENS(ppg)	9.3	CGas	/	BGas	MUD DATA		TGas	/	MUD LOST			WATER LOST	0.00
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND/MBT	FC	PH/PM	Pf/Mf	CI	Ca	LIME	
00:00	28.0	2.0/1.0	1.0/1.0/1.0	100.0	0.80/0.8		1.0	9.50/0.25	0.05/0.30	101,000			
PUMP/HYDRAULICS													
NO.	MAKE OF PUMP		STK(in)	LNR(in)	PUMP OPERATION		SPM	PRESS.(psi)	GPM	AV DC	AV DP		
1	BPMMP		12.000	6.000	DRILLING		70	2750	293				
2	BPMMP		12.000	6.000	DRILLING		70	2750	293				
TOTAL									586				
MUD ADDITIVES													
ITEM		USED	UNITS	ITEM		USED	UNITS						
DRLG FLUIDS ENGR		1	per day	LIME		2	50# SX						
ZEOGEL		25	50# SX										
COMMENTS													
00:00-05:00 DRILL 8.75" INT ROT/SLIDE: 5275'-5580' 305' @ 61' FPH. 10-30 WOB, SPP 2700, GPM 586, 117 BS, RPM 70, DIFF. 500-950, TQ 10-12. MUD WT 9.4 PPG.													

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 12/19/2016

AFE No: 2124239

Daily Drilling Report

DFS: 5

## OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 00:30	0.50	CSGIN1	12 P - RUN CASING & CEMENT	E - CEMENTING PRIMARY	TEST CASING TO 1500 PSI & HELD FOR 30 MINS. GOOD TEST. R/D ALLIED.
00:30 - 02:00	1.50	CSGIN1	14 P - NU BOPE	A - WELLHEAD INSTALLATION	NIPPLE DOWN BOPS. INSTALL CAMERON CSG HANGER W/ 190K ON SLIPS. ROUGH CUT CSG & L/D SAME.
02:00 - 03:30	1.50	CSGIN1	24 P - SURFACE/ SUBSURFACE EQPMT	A - WELLHEAD INSTALLATION	MAKE FINAL CUT. INSTALL CAMERON 13.625" 5M X 11" 5M B SECTION WELLHEAD. TEST VOID TO 1280 PSI. TEST GOOD.
03:30 - 05:00	1.50	CSGIN1	14 P - NU BOPE	A - NIPPLE UP / NIPPLE DOWN	NIPPLE UP BOP'S.
05:00 - 07:00	2.00	CSGIN1	15 P - TEST BOP	A - TESTING	TEST BREAKS ON BOP'S TO 250 PSI LOW & 5000 PSI HIGH. ALL TEST GOOD. INSTALL WEARBUSHING.
07:00 - 07:30	0.50	CSGIN1	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	SERVICE RIG.
07:30 - 11:30	4.00	CSGIN1	06 P - TRIPPING	A - BIT/ BHA	M/U BHA #4: 8.75" BAKER T607FX W/ 1.05 TFA, 6.75" GRYO DATA MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 86' BTG, 88' BTS ) 8.125" IBS, 6.75" SHOCK SUB, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 15-6.5" DC, X-O, 15 HWDP ORIENT MWD. TIH TAG CMT @ 4930'.
11:30 - 12:00	0.50	CSGIN1	02 P - DRILL - ACTUAL	F - CEMENT IN CASING/SHOE	TAG PLUG, DRILL CEMENT & SHOE TRACK F/ 4930' - 4975'.
12:00 - 13:00	1.00	DRLIN2	02 P - DRILL - ACTUAL	B - MOTOR/TURBINE - VERTICAL	DRILL 8.75" INT HOLE F/ 4975' - 5089'. 114' @ 114' FPH. 10-30 WOB, SPP 2700, GPM 586, 140 BS, RPM 40, DIFF. 500-950, TQ 10-12. MUD WT 9.4 PPG.
13:00 - 14:00	1.00	DRLIN2	05 Z - CIRC & COND MUD	F - HOLE CLEANING/HIGH VIS PILL	ATTEMPT TO DOWN LINK EVO TOOL TO SLOW DOWN DATA RATE DUE TO BAD TOOL FACES WITH NO SUCCESS, (TRIED 4 X's WITH ROTARY & 1 X WITH PUMPS), ATTEMPT TO DOWN LINK EM TO ON POSITIONS IN ALL FRAMS, NO SUCESS. CHANGED OUT RECEIVER & DECODING CLEARED UP.
14:00 - 16:00	2.00	DRLIN2	02 P - DRILL - ACTUAL	B - MOTOR/TURBINE - VERTICAL	DRILL 8.75" INT HOLE F/ 5089' - 5275'. 186' @ 93' FPH. 10-30 WOB, SPP 2700, GPM 586, 140 BS, RPM 40, DIFF. 500-950, TQ 10-12. MUD WT 9.4 PPG.  SLIDES: 5089'-5124' @ 220 MTF 5164'-5194' @ 220 MTF
16:00 - 17:00	1.00	DRLIN2	05 Z - CIRC & COND MUD	C - PRIOR TO TRIP	CHECK SHOT SURVEY DUE TO SURVEY HOLE DIRECTION VS SLIDING TOOLFACE POSITION, (LOOKS TO BE +/- 90° OUT ON ORIENTATION), CIRCULATE BOTTOMS UP & PUMP SLUG. FLOW CHECK - STATIC.
17:00 - 20:30	3.50	DRLIN2	06 Z - TRIPPING	H - TOOL FAILURE	TOOH CHECKING SCRIBE & ORIENTATION OF DIRECTIONAL TOOLS. (FOUND THAT BHA HAD TORQUED UP +/- 100°). (FOUND TO BE GOOD FROM THE MM TO STAB, (SCRIBE LINE STILL VISIBLE), APPEARED SHOCK SUB HAD IN SERVICE BREAKS, CHECKED EVO TOOL IN CARRIER (ALL CHECKED OUT GOOD). L/D SHOCK SUB.
20:30 - 00:00	3.50	DRLIN2	06 Z - TRIPPING	H - TOOL FAILURE	RESCRIBE DIR TOOLS, INSTALL NEW EVO TOOL IN CARRIER & LOCK DOWN, P/U NEW SHOCK SUB, TEST MWD & TIH T/5275'.

**WINS No: J8081****YOKUM UL UNIT 19-4 3H****Date: 12/19/2016****AFE No: 2124239****Daily Drilling Report****DFS: 5**

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: 66

SPUD YOKUM UL UNIT 19-4 #3H 12/15/2016 @ 11:00.  
RIG RELEASED @ XXXX ON XX/XX/XX.

LAST 5" INSPECTION - 10/9/16  
LAST 4" INSPECTION CAT 3 - 10/25/16  
LAST BHA INSPECTION - 12/5/16

**TUBULAR INVENTORY:**

290 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016 (PRECISION)  
29 JTS 5" 4-1/2" IF HWDP (PRECISION)  
18 JTS 6-1/2" DRILL COLLARS (PRECISION)

758 JTS 4" XT-39 DRILL PIPE (WORKSTRING)  
1 JT 4" FH DRILL PIPE (WORKSTRING)

**CASING STRINGS SET:**

20" CONDUCTOR SET @ 140'  
13 3/8" SURFACE CASING SET @ 1177'  
9 5/8" INTERMEDIATE #1 SET @ 4975'  
KICKOFF POINT @ XXXXX'  
CURVE LANDED @ XXXXX'  
7" INTERMEDIATE #2 @ XXXXX'  
TD WELL @ XXXXX  
PRODUCTION CASING @ XXXXX'

**TARGET LINE:**

BHA #1: 17.5" U616 ULTERRA W/ 9-12'S, 9 5/8" MPACT MOTOR 6/7 - 5.0 - 0.13 RPG SET @ 1.5" W/ 16.875" NBS, 16.875" IBS, SHOCK SUB, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 1037'. TOTAL HRS: 8. ROP: 129 FPH. DEPTH IN: 140'. DEPTH OUT: 1177'. REASON PULLED - TD SURFACE. BIT GRADE: 1-2-CT-GA-IN GAUGE.

BHA #2: 12.25" U616 ULTERRA W/ 6-15'S, 7.75" MPACT MOTOR 4/5 - 5.3 - .25 RPG SET @ 1.5" W/ 11.625" NBS, 11.625" IBS, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 3798. TOTAL HRS: 27.5. ROP: 138 FPH. DEPTH IN: 1177'. DEPTH OUT: 4975'. REASON PULLED - TD CSG PT. BIT GRADE: 1-2-CT-GA-INGAUGE.

BHA #3: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 86' BTG, 88' BTS ) 8.125" IBS, 6.75" SHOCK SUB, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 4975' - 5275'. 300' IN 3 HRS @ 100 FPH. REASON PULLED: INCORRECT MWD ORIENTATION. BIT GRADE: 0-0-A-INGAUGE.

EYES ON WALK AROUND (NO SPILLS).



WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 12/20/2016

AFE No: 2124239

## Daily Drilling Report

DFS: 6

REPT NO. 9	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME PHANTOM	RIG NAME PRECISION 566		TMD 7,480.0	TVD 7,453.5	FOOTAGE 2,205.0	ROP 93.8
SPLIT DATE 12/15/2016	API 4230133030	STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION			
CURRENT STATUS DRILL 8.75" INT @ 7480'.				FORMATION BRUSHY CANYON		ELEV. 2,796.01	DIESEL 1,448.00	MUD LOST(DAY/CUM) \$1458 / \$23,601	
24 HR FORECAST DRILL AHEAD IN 8.75" INT T/ KOP +/- 11125'.				LAST SAFETY MEETING 12/20/2016		ACC LST 24 HRS? NO		WELL COST(DAY/CUM) \$38,859 / \$734,856	
LAST CASING 9.625 in @ 4,974.0 ft		LKOFF	NEXT CASING 7.000 in @ 11,800.0 ft		LAST BOP TEST 12/19/2016		AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00		SUPERVISOR/DRILLING ENG JUSTIN PAUL/BOBBY WEST

OPERATE SUMMARY: DRILL 8.75" INT HOLE ROTATE / SLIDE F/ 5275' - 7480'. 2205' @ 93' FPH. 10-40 WOB, SPP 3000, GPM 586, 117 BS, RPM 15-70, DIFF. 500-950, TQ 11-15. MUD WT 9.2 PPG.

## BITS/ BIT OPERATIONS

BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R
3/2	8.750	BAKER HUGHES /	7160524	7/14	20 40	15 70	586 3000	157	5275	2,205.0	23.50	93.8	- - -

## SURVEY DATA

Survey Name: Openwire		Survey Tool: MWD+IFR1		Survey Company: PREMIER DIRECTIONAL DRILL				LAST SURVEY@7465 N/S		-225.2	E/W	-352.6
MD	INCL	AZIMUTH	TVD	SECTION	DLS	MD	INCL	AZIMUTH	TVD	SECTION	DLS	
5318	3.43	277.14	5,313.7	-28.9	2.39	6392	9.60	222.55	6,377.5	32.9	0.44	
5407	4.42	257.60	5,402.5	-30.2	1.85	6570	8.47	221.06	6,553.2	47.7	0.65	
5497	6.14	241.82	5,492.1	-29.5	2.48	6749	8.02	220.67	6,730.4	61.6	0.25	
5586	7.36	230.40	5,580.5	-26.2	2.03	6928	8.67	220.49	6,907.5	75.8	0.36	
5676	8.20	222.97	5,669.7	-20.7	1.45	7107	8.06	220.79	7,084.6	90.0	0.34	
5854	8.61	224.83	5,845.8	-7.7	0.28	7286	9.12	223.60	7,261.6	103.9	0.64	
6033	8.39	224.70	6,022.8	5.1	0.12	7465	7.65	221.73	7,438.7	117.4	0.84	
6212	8.83	223.86	6,199.8	18.2	0.26							

DENS(ppg)	9.2	CGas	/	BGas	MUD DATA		TGas	/	MUD LOST		WATER LOST	0.00
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND/MBT	FC	PH/PM	Pf/Mf	CI	Ca	LIME
00:00	28.0	2.0/1.0	1.0/1.0/1.0	100.0	0.60/0.6		1.0	9.50/0.30	0.10/0.30	87,000		

## PUMP/HYDRAULICS

NO.	MAKE OF PUMP	STK(in)	LNR(in)	PUMP OPERATION	SPM	PRESS.(psi)	GPM	AV DC	AV DP
1	BPMMP	12.000	6.000	DRILLING	70	3000	293		
2	BPMMP	12.000	6.000	DRILLING	70	3000	293		
TOTAL							586		

## MUD ADDITIVES

ITEM	USED	UNITS	ITEM	USED	UNITS
DRLG FLUIDS ENGR	1	per day	EZ MUD	2	5 GALLON
LIME	3	50# SX	ZEOGEL	50	50# SX

## COMMENTS

00:00-05:00 DRILL 8.75" INT HOLE ROTATE / SLIDE F/ 7480' - 7690'. 210' @ 42' FPH. 10-40 WOB, SPP 3000, GPM 586, 117 BS, RPM 15-30, DIFF. 500-950, TQ 11-15. MUD WT 9.2 PPG.

## OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 17:30	17.50	DRLIN2	02 P - DRILL - ACTUAL	B - MOTOR/TURBINE - VERTICAL	DRILL 8.75" INT HOLE F/ 5275' - 7092'. 1817' @ 103' FPH. 10-40 WOB, SPP 3000, GPM 586, 117 BS, RPM 15-70, DIFF. 500-950, TQ 11-15. MUD WT 9.2 PPG.  SLIDES: 5275'-5323' @ 200 MTF 5393'-5433' @ 190 MTF 5482'-5502' @ 200 MTF 5572'-5617' @ 65L GTF 5840'-5880' @ HS GTF 6198'-6232' @ 15L GTF 6735'-6780' @ 15L GTF 6914'-6959' @ 15L GTF
17:30 - 18:00	0.50	DRLIN2	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	SERVICE RIG.
18:00 - 00:00	6.00	DRLIN2	02 P - DRILL - ACTUAL	B - MOTOR/TURBINE - VERTICAL	DRILL 8.75" INT HOLE F/ 7092' - 7480'. 388' @ 65' FPH. 10-40 WOB, SPP 3000, GPM 586, 117 BS, RPM 15-30, DIFF. 500-950, TQ 11-15. MUD WT 9.2 PPG.  SLIDES: 7182'-7227' @ 30L GTF 7451'-7480' @ 30L GTF

**WINS No: J8081****YOKUM UL UNIT 19-4 3H****Date: 12/20/2016****AFE No: 2124239****Daily Drilling Report****DFS: 6**

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: 66

SPUD YOKUM UL UNIT 19-4 #3H 12/15/2016 @ 11:00.  
RIG RELEASED @ XXXX ON XX/XX/XX.

LAST 5" INSPECTION - 10/9/16  
LAST 4" INSPECTION CAT 3 - 10/25/16  
LAST BHA INSPECTION - 12/5/16

**TUBULAR INVENTORY:**

290 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016 (PRECISION)  
29 JTS 5" 4-1/2" IF HWDP (PRECISION)  
18 JTS 6-1/2" DRILL COLLARS (PRECISION)

758 JTS 4" XT-39 DRILL PIPE (WORKSTRING)  
1 JT 4" FH DRILL PIPE (WORKSTRING)

**CASING STRINGS SET:**

20" CONDUCTOR SET @ 140'  
13 3/8" SURFACE CASING SET @ 1177'  
9 5/8" INTERMEDIATE #1 SET @ 4975'  
KICKOFF POINT @ XXXXX'  
CURVE LANDED @ XXXXX'  
7" INTERMEDIATE #2 @ XXXXX'  
TD WELL @ XXXXX  
PRODUCTION CASING @ XXXXX'

**TARGET LINE:**

BHA #1: 17.5" U616 ULTERRA W/ 9-12'S, 9 5/8" MPACT MOTOR 6/7 - 5.0 - 0.13 RPG SET @ 1.5" W/ 16.875" NBS, 16.875" IBS, SHOCK SUB, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 1037'. TOTAL HRS: 8. ROP: 129 FPH. DEPTH IN: 140'. DEPTH OUT: 1177'. REASON PULLED - TD SURFACE. BIT GRADE: 1-2-CT-GA-IN GAUGE.

BHA #2: 12.25" U616 ULTERRA W/ 6-15'S, 7.75" MPACT MOTOR 4/5 - 5.3 - .25 RPG SET @ 1.5" W/ 11.625" NBS, 11.625" IBS, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 3798. TOTAL HRS: 27.5. ROP: 138 FPH. DEPTH IN: 1177'. DEPTH OUT: 4975'. REASON PULLED - TD CSG PT. BIT GRADE: 1-2-CT-GA-INGAUGE.

BHA #3: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 86' BTG, 88' BTS ) 8.125" IBS, 6.75" SHOCK SUB, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 4975' - 5275'. 300' IN 3 HRS @ 100 FPH. REASON PULLED: BHA TORQUED UP DOWN HOLE INCORRECT MWD ORIENTATION. BIT GRADE: 0-0-A-INGAUGE.

BHA #4: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 71' BTG, 72' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 5275' - XXXX'. XXX' IN XX HRS @ XXX FPH. REASON PULLED: XXXXXX. BIT GRADE: XXXXX.

EYES ON WALK AROUND (NO SPILLS).

<b>WINS No: J8081</b>				<b>YOKUM UL UNIT 19-4 3H</b>				<b>Date: 12/21/2016</b>						
<b>AFE No: 2124239</b>				<b>Daily Drilling Report</b>				<b>DFS: 7</b>						
REPT NO. 10	OPERATOR ANADARKO E&P ONSHORE LLC			FIELD NAME PHANTOM		RIG NAME PRECISION 566		TMD 7,480.0	TVD 7,452.6	FOOTAGE	ROP 0.0			
SPLD DATE 12/15/2016	API 4230133030		STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION							
CURRENT STATUS DRILL 8.75" INT @ XXXX'				FORMATION BRUSHY CANYON		ELEV. 2,796.01	DIESEL	MUD LOST(DAY/CUM) \$3622 / \$27,223						
24 HR FORECAST DRILL AHEAD IN 8.75" INT T/ KOP +/- 11125'				LAST SAFETY MEETING 12/21/2016		ACC LST 24 HRS? NO		WELL COST(DAY/CUM) \$77,144 / \$811,999						
LAST CASING 9.625 in @ 4,974.0 ft		LKOFF	NEXT CASING 7.000 in @ 11,800.0 ft		LAST BOP TEST 12/19/2016		AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00		SUPERVISOR/DRILLING ENG JUSTIN PAUL/BOBBY WEST					
OPERATE SUMMARY: DRILL 8.75" INT HOLE ROTATE / SLIDE F/ XXXX' - XXXX'. XXXX' @ XX' FPH. 10-40 WOB, SPP 3000, GPM 586, 117 BS, RPM 15, DIFF. 500-950, TQ 9-15. MUD WT 9.2 PPG.														
<b>BITS/ BIT OPERATIONS</b>														
BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R	
3/2	8.750	BAKER HUGHES /	7160524	7/14					5275				---	
<b>SURVEY DATA - LAST 10</b>														
Survey Name: Openwire		Survey Tool: MWD+IFR1		Survey Company: PREMIER DIRECTIONAL DRILL				LAST SURVEY@7465 N/S		-237.3	E/W	-364.2		
MD	INCL	AZIMUTH	TVD	SECTION	DLS	MD	INCL	AZIMUTH	TVD	SECTION	DLS			
5854	8.61	224.83	5,844.8	0.6	0.28	6749	8.02	220.67	6,729.4	69.9	0.25			
6033	8.39	224.70	6,021.9	13.4	0.12	6928	8.67	220.49	6,906.6	84.1	0.36			
6212	8.83	223.86	6,198.8	26.6	0.26	7107	8.06	220.79	7,083.6	98.3	0.34			
6392	9.60	222.55	6,376.5	41.2	0.44	7286	9.12	223.60	7,260.6	112.2	0.64			
6570	8.47	221.06	6,552.3	56.0	0.65	7465	7.65	221.73	7,437.7	125.7	0.84			
DENS(ppg)	9.2		CGas	/	BGas	MUD DATA		TGas	/	MUD LOST		WATER LOST		0.00
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND/MBT	FC	PH/PM	Pf/Mf	CI	Ca	LIME		
00:00	28.0	2.0/1.0	1.0/1.0/1.0	100.0	0.70/0.7		1.0	10.00/0.35	0.10/0.30	85,000				
<b>PUMP/HYDRAULICS</b>														
NO.	MAKE OF PUMP			STK(in)	LNR(in)	PUMP OPERATION		SPM	PRESS.(psi)	GPM	AV DC	AV DP		
1	BPMMP			12.000	6.000	DRILLING		70	3000	293				
2	BPMMP			12.000	6.000	DRILLING		70	3000	293				
TOTAL										586				
<b>MUD ADDITIVES</b>														
ITEM				USED	UNITS	ITEM				USED	UNITS			
DRLG FLUIDS ENGR				1	per day	EZ MUD				1	5 GALLON			
LIME				4	50# SX	ZEOGEL				100	50# SX			
BAROID 41 (ST)				9	US TON									
<b>COMMENTS</b>														
00:00-05:00 DRILL 8.75" INT HOLE ROTATE / SLIDE F/ XXXX' - XXXX'. XXX' @ XX' FPH. 10-40 WOB, SPP 3000, GPM 586, 117 BS, RPM 15, DIFF. 500-950, TQ 9-15. MUD WT 9.2 PPG.														
<b>OPERATION DETAILS</b>														
HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION									
00:00 - 05:00	5.00	DRLIN2	02 P - DRILL - ACTUAL	B - MOTOR/TURBINE - VERTICAL	DRILL 8.75" INT HOLE F/ 7480' - 7719'. 239' @ 47' FPH. 10-40 WOB, SPP 3000, GPM 586, 117 BS, RPM 15, DIFF. 500-950, TQ 11-15. MUD WT 9.2 PPG.  SLIDES: 7480'-7495' @ 30L GTF 7629'-7669' @ 30L GTF									
05:00 - 05:30	0.50	DRLIN2	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	SERVICE RIG.									
05:30 - 17:00	11.50	DRLIN2	02 P - DRILL - ACTUAL	B - MOTOR/TURBINE - VERTICAL	DRILL 8.75" INT HOLE F/ 7719' - 8256'. 537' @ 46' FPH. 10-40 WOB, SPP 3000, GPM 586, 117 BS, RPM 15, DIFF. 500-800, TQ 11-15. MUD WT 9.2 PPG.  SLIDES: 7898'-7958' @ 30L GTF 8166'-8216' @ 45L GTF									
17:30 - 18:00	0.50	DRLIN2	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	SERVICE RIG.									
18:00 - 00:00	6.00	DRLIN2	02 P - DRILL - ACTUAL	B - MOTOR/TURBINE - VERTICAL	DRILL 8.75" INT HOLE F/ 8256' - 8XXX'. XXX' @ XX' FPH. 10-40 WOB, SPP 3000, GPM 586, 117 BS, RPM 15, DIFF. 500-950, TQ 11-15. MUD WT 9.2 PPG.  SLIDES: 8XX'-8XX' @ 30L GTF 8XX'-8XX' @ 45L GTF									

**WINS No: J8081****YOKUM UL UNIT 19-4 3H****Date: 12/21/2016****AFE No: 2124239****Daily Drilling Report****DFS: 7**

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: 66

SPUD YOKUM UL UNIT 19-4 #3H 12/15/2016 @ 11:00.  
RIG RELEASED @ XXXX ON XX/XX/XX.

LAST 5" INSPECTION - 10/9/16  
LAST 4" INSPECTION CAT 3 - 10/25/16  
LAST BHA INSPECTION - 12/5/16

**TUBULAR INVENTORY:**

290 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016 (PRECISION)  
29 JTS 5" 4-1/2" IF HWDP (PRECISION)  
18 JTS 6-1/2" DRILL COLLARS (PRECISION)

758 JTS 4" XT-39 DRILL PIPE (WORKSTRING)  
1 JT 4" FH DRILL PIPE (WORKSTRING)

**CASING STRINGS SET:**

20" CONDUCTOR SET @ 140'  
13 3/8" SURFACE CASING SET @ 1177'  
9 5/8" INTERMEDIATE #1 SET @ 4975'  
KICKOFF POINT @ XXXXX'  
CURVE LANDED @ XXXXX'  
7" INTERMEDIATE #2 @ XXXXX'  
TD WELL @ XXXXX  
PRODUCTION CASING @ XXXXX'

**TARGET LINE:**

BHA #1: 17.5" U616 ULTERRA W/ 9-12'S, 9 5/8" MPACT MOTOR 6/7 - 5.0 - 0.13 RPG SET @ 1.5" W/ 16.875" NBS, 16.875" IBS, SHOCK SUB, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 1037'. TOTAL HRS: 8. ROP: 129 FPH. DEPTH IN: 140'. DEPTH OUT: 1177'. REASON PULLED - TD SURFACE. BIT GRADE: 1-2-CT-GA-IN GAUGE.

BHA #2: 12.25" U616 ULTERRA W/ 6-15'S, 7.75" MPACT MOTOR 4/5 - 5.3 - .25 RPG SET @ 1.5" W/ 11.625" NBS, 11.625" IBS, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 3798. TOTAL HRS: 27.5. ROP: 138 FPH. DEPTH IN: 1177'. DEPTH OUT: 4975'. REASON PULLED - TD CSG PT. BIT GRADE: 1-2-CT-GA-INGAUGE.

BHA #3: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 86' BTG, 88' BTS ) 8.125" IBS, 6.75" SHOCK SUB, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 4975' - 5275'. 300' IN 3 HRS @ 100 FPH. REASON PULLED: BHA TORQUED UP DOWN HOLE INCORRECT MWD ORIENTATION. BIT GRADE: 0-0-A-INGAUGE.

BHA #4: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 71' BTG, 72' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 5275' - XXXX'. XXX' IN XX HRS @ XXX FPH. REASON PULLED: XXXXXX. BIT GRADE: XXXXX.

EYES ON WALK AROUND (NO SPILLS).

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 12/22/2016

AFE No: 2124239

## Daily Drilling Report

DFS: 8

REPT NO. 11	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME PHANTOM	RIG NAME PRECISION 566		TMD 8,749.0	TVD 8,710.2	FOOTAGE 224.0	ROP 29.9
SPUD DATE 12/15/2016	API 4230133030	STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION			
CURRENT STATUS DRILL 8.75" INT @ 8525'				FORMATION BONE SPRING LIME		ELEV. 2,796.01	DIESEL		MUD LOST(DAY/CUM) \$834 / \$28,057
24 HR FORECAST DRILL AHEAD IN 8.75" INT T/ KOP +/- 11125'				LAST SAFETY MEETING 12/22/2016		ACC LST 24 HRS? NO		WELL COST(DAY/CUM) \$47,695 / \$859,695	
LAST CASING 9.625 in @ 4,974.0 ft		LKOFF	NEXT CASING 7.000 in @ 11,800.0 ft		LAST BOP TEST 12/19/2016		AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00		SUPERVISOR/DRILLING ENG JUSTIN PAUL/BOBBY WEST

OPERATE SUMMARY: DRILL 8.75" INT HOLE ROTATE / SLIDE F/ 8525' - 8749'. @ 29' FPH. CBU, TOO H DUE TO P-RATE, P/U BHA #5 & TIH, DRILL 8.75" INT HOLE ROTATE / SLIDE F/ 8749' - 8XXX'. @ XX' FPH.

## BITS/ BIT OPERATIONS

BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R
4/1	8.750	BAKER HUGHES /	7162246	7/14					8749				---
3/2	8.750	BAKER HUGHES /	7160524	7/14	40 40	15 15	502 3000	132	5275 8749	3,474.0	54.00	64.3	2-3-X-I-PR

## SURVEY DATA

Survey Name: Openwire		Survey Tool: MWD+IFR1		Survey Company: PREMIER DIRECTIONAL DRILL				LAST SURVEY@8719 N/S		-362.8	E/W	-458.3
MD	INCL	AZIMUTH	TVD	SECTION	DLS	MD	INCL	AZIMUTH	TVD	SECTION	DLS	
8539	8.06	204.90	8,501.7	203.8	0.76	8719	5.79	208.09	8,680.4	219.8	1.28	

DENS(ppg)	9.2	CGas	/	BGas		MUD DATA		TGas	/	MUD LOST		WATER LOST		0.00
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND/MBT		FC	PH/PM	Pf/Mf	CI	Ca	LIME	
00:00	28.0	2.0/1.0	1.0/1.0/1.0	100.0	1.10/1.1			1.0	10.50/0.40	0.25/0.35	86,000			

## PUMP/HYDRAULICS

NO.	MAKE OF PUMP	STK(in)	LNR(in)	PUMP OPERATION	SPM	PRESS.(psi)	GPM	AV DC	AV DP
1	BPMMP	12.000	6.000	DRILLING	60	2500	251		
2	BPMMP	12.000	6.000	DRILLING	60	2500	251		
TOTAL							502		

## MUD ADDITIVES

ITEM	USED	UNITS	ITEM	USED	UNITS
DRLG FLUIDS ENGR	1	per day	LIME	7	50# SX

## COMMENTS

00:00-05:00 DRILL 8.75" INT HOLE ROTATE / SLIDE F/ 8XXX' - 8XXX'. XXX' @ XX' FPH. 10-40 WOB, SPP 2500, GPM 501, 140 BS, RPM 10, DIFF. 200-70, TQ 9-15. MUD WT 9.2 PPG.

## OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 04:00	4.00	DRLIN2	02 P - DRILL - ACTUAL	B - MOTOR/TURBINE - VERTICAL	DRILL 8.75" INT HOLE F/ 8525' - 8614'. 89' @ 22' FPH. 10-40 WOB, SPP 3000, GPM 586, 117 BS, RPM 15, DIFF. 500-800, TQ 11-15. MUD WT 9.2 PPG.  SLIDES: 8525'-8575' @ HS GTF
04:00 - 04:30	0.50	DRLIN2	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	SERVICE RIG.
04:30 - 08:00	3.50	DRLIN2	02 P - DRILL - ACTUAL	B - MOTOR/TURBINE - VERTICAL	DRILL 8.75" INT HOLE F/ 8614' - 8749'. 135' @ 38' FPH. 10-40 WOB, SPP 3000, GPM 586, 117 BS, RPM 15, DIFF. 300-700, TQ 11-15. MUD WT 9.2 PPG.  SLIDES: 8704'-8749' @ 20R GTF
08:00 - 09:00	1.00	DRLIN2	05 P - CIRC & COND MUD	C - PRIOR TO TRIP	CIRCULATE BU & SPOT 35 BBL KM, PRIOR TO TOO H DUE TO P-RATE.
09:00 - 14:00	5.00	DRLIN2	06 P - TRIPPING	A - BIT/ BHA	TOOH DUE TO P-RATE. L/D MWD, BIT & MTR.  BIT GRADE: 2-3-CT-A-WT-IN GAUGE.
14:00 - 20:30	6.50	DRLIN2	06 P - TRIPPING	A - BIT/ BHA	P/U BHA #5: 8.75" BAKER T607FX W/ 1.05 TFA, 6.75" MPACT MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 4.45' BTB, 59' BTG, 60' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP ORIENT MWD. TIH T/8749'. (TIGHT @ 7220'.
20:30 - 00:00	3.50	DRLIN2	02 P - DRILL - ACTUAL	B - MOTOR/TURBINE - VERTICAL	DRILL 8.75" INT HOLE F/ 8749' - XXXX'. XXX' @ XX' FPH. 10-40 WOB, SPP 2500, GPM 501, 140 BS, RPM 10, DIFF. 200-700, TQ 11-15. MUD WT 9.2 PPG.  SLIDES: 8749'-87XX' @ 20R GTF

**WINS No: J8081****YOKUM UL UNIT 19-4 3H****Date: 12/22/2016****AFE No: 2124239****Daily Drilling Report****DFS: 8**

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: 66

SPUD YOKUM UL UNIT 19-4 #3H 12/15/2016 @ 11:00.  
RIG RELEASED @ XXXX ON XX/XX/XX.

LAST 5" INSPECTION - 10/9/16  
LAST 4" INSPECTION CAT 3 - 10/25/16  
LAST BHA INSPECTION - 12/5/16

**TUBULAR INVENTORY:**

290 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016 (PRECISION)  
29 JTS 5" 4-1/2" IF HWDP (PRECISION)  
18 JTS 6-1/2" DRILL COLLARS (PRECISION)

758 JTS 4" XT-39 DRILL PIPE (WORKSTRING)  
1 JT 4" FH DRILL PIPE (WORKSTRING)

**CASING STRINGS SET:**

20" CONDUCTOR SET @ 140'  
13 3/8" SURFACE CASING SET @ 1177'  
9 5/8" INTERMEDIATE #1 SET @ 4975'  
KICKOFF POINT @ XXXXX'  
CURVE LANDED @ XXXXX'  
7" INTERMEDIATE #2 @ XXXXX'  
TD WELL @ XXXXX  
PRODUCTION CASING @ XXXXX'

**TARGET LINE:**

BHA #1: 17.5" U616 ULTERRA W/ 9-12'S, 9 5/8" MPACT MOTOR 6/7 - 5.0 - 0.13 RPG SET @ 1.5" W/ 16.875" NBS, 16.875" IBS, SHOCK SUB, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 1037'. TOTAL HRS: 8. ROP: 129 FPH. DEPTH IN: 140'. DEPTH OUT: 1177'. REASON PULLED - TD SURFACE. BIT GRADE: 1-2-CT-GA-IN GAUGE.

BHA #2: 12.25" U616 ULTERRA W/ 6-15'S, 7.75" MPACT MOTOR 4/5 - 5.3 - .25 RPG SET @ 1.5" W/ 11.625" NBS, 11.625" IBS, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 3798. TOTAL HRS: 27.5. ROP: 138 FPH. DEPTH IN: 1177'. DEPTH OUT: 4975'. REASON PULLED - TD CSG PT. BIT GRADE: 1-2-CT-GA-INGAUGE.

BHA #3: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 86' BTG, 88' BTS ) 8.125" IBS, 6.75" SHOCK SUB, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 4975' - 5275'. 300' IN 3 HRS @ 100 FPH. REASON PULLED: BHA TORQUED UP DOWN HOLE INCORRECT MWD ORIENTATION. BIT GRADE: 0-0-A-INGAUGE.

BHA #4: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 71' BTG, 72' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 5275' - 8749'. 3474' IN 54 HRS @ 64 FPH. REASON PULLED: P-RATE. BIT GRADE: 2-3-CT-A-WT-INGAUGE.

BHA #5: 8.75" BAKER T607FX W/ 1.05 TFA, 6.75" MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 4.45' BTB, 59' BTG, 60' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 8749' - XXXX'. XXXX' IN XXX HRS @ XX FPH. REASON PULLED: XXXXXX. BIT GRADE: XXXXX.

EYES ON WALK AROUND (NO SPILLS).

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 12/23/2016

AFE No: 2124239

## Daily Drilling Report

DFS: 9

REPT NO. 12	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME PHANTOM	RIG NAME PRECISION 566		TMD 10,035.0	TVD 9,984.6	FOOTAGE 1,203.0	ROP 52.3
SPLIT DATE 12/15/2016	API 4230133030	STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION			
CURRENT STATUS DRILL 8.75" INT @ 10035'.				FORMATION BONE SPRING LIME		ELEV. 2,796.01	DIESEL 2,435.00	MUD LOST(DAY/CUM) \$1377 / \$29,434	
24 HR FORECAST EAD IN 8.75" INT T/ KOP +/- 11125', CIRCULATE HOLE CLEAN, & TOOHP FOR CU				LAST SAFETY MEETING 12/23/2016		ACC LST 24 HRS? NO		WELL COST(DAY/CUM) \$50,338 / \$910,032	
LAST CASING 9.625 in @ 4,974.0 ft		LKOFF	NEXT CASING 7.000 in @ 11,800.0 ft		LAST BOP TEST 12/19/2016		AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00		SUPERVISOR/DRILLING ENG JUSTIN PAUL/BOBBY WEST

OPERATE SUMMARY: DRILL 8.75" INT HOLE ROTATE / SLIDE F/ 8832' - 10035'. @ 52' FPH.

## BITS/ BIT OPERATIONS

BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R
4/1	8.750	BAKER HUGHES /	7162246	7/14	25 40	10 20	502 2750	161	8749	1,286.0	26.50	48.5	3-3-X-I-BHA

## SURVEY DATA

Survey Name: Openwire		Survey Tool: MWD+IFR1		Survey Company: PREMIER DIRECTIONAL DRILL				LAST SURVEY@9972 N/S		-513.6	E/W	-520.1
MD	INCL	AZIMUTH	TVD	SECTION	DLS	MD	INCL	AZIMUTH	TVD	SECTION	DLS	
8898	11.28	202.78	8,857.3	239.9	3.10	9613	6.35	202.66	9,565.4	318.4	1.13	
9076	9.76	202.85	9,032.3	265.1	0.85	9793	6.81	207.87	9,744.2	333.8	0.42	
9255	7.37	197.52	9,209.3	286.4	1.41	9972	6.33	217.47	9,922.0	347.2	0.67	
9434	5.12	186.40	9,387.3	303.3	1.42							

DENS(ppg)	9.2	CGas	/	BGas		MUD DATA		TGas	/	MUD LOST		WATER LOST		0.00
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND/MBT	FC	PH/PM	Pf/Mf	CI	Ca	LIME		
00:00	28.0	2.0/1.0	1.0/1.0/1.0	100.0	0.90/0.9		1.0	10.00/0.25	0.10/0.35	88,000				

## PUMP/HYDRAULICS

NO.	MAKE OF PUMP	STK(in)	LNR(in)	PUMP OPERATION	SPM	PRESS.(psi)	GPM	AV DC	AV DP
1	BPMMP	12.000	6.000	DRILLING	60	2750	251		
2	BPMMP	12.000	6.000	DRILLING	60	2750	251		
TOTAL							502		

## MUD ADDITIVES

ITEM	USED	UNITS	ITEM	USED	UNITS
DRLG FLUIDS ENGR	1	per day	EZ MUD	1	5 GALLON
LIME	3	50# SX	ZEOGEL	50	50# SX

## COMMENTS

00:00-05:00 DRILL 8.75" INT HOLE ROTATE / SLIDE F/ 10035' - 10482'. 447' @ 89' FPH. 10-40 WOB, SPP 2750, GPM 501, 140 BS, RPM 10, DIFF. 200-700, TQ 15-21.  
MUD WT 9.4 PPG.

## OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 02:30	2.50	DRLIN2	02 P - DRILL - ACTUAL	B - MOTOR/TURBINE - VERTICAL	DRILL 8.75" INT HOLE F/ 8832' - 8871'. 39' @ 15' FPH. 10-40 WOB, SPP 2650, GPM 501, 140 BS, RPM 10, DIFF. 200-700, TQ 11-15. MUD WT 9.2 PPG.  SLIDES: 8852'-8765' @ 30R GTF
02:30 - 03:00	0.50	DRLIN2	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	SERVICE RIG.
03:00 - 16:00	13.00	DRLIN2	02 P - DRILL - ACTUAL	B - MOTOR/TURBINE - VERTICAL	DRILL 8.75" INT HOLE F/ 8871' - 9587'. 716' @ 55' FPH. 10-40 WOB, SPP 2650, GPM 501, 140 BS, RPM 10-20, DIFF. 200-700, TQ 13-18. MUD WT 9.2 PPG.  SLIDES: 9050'-9075' @ 60R GTF 9497'-9527' @ 80R GTF
16:00 - 16:30	0.50	DRLIN2	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	SERVICE RIG.
16:30 - 00:00	7.50	DRLIN2	02 P - DRILL - ACTUAL	B - MOTOR/TURBINE - VERTICAL	DRILL 8.75" INT HOLE F/ 9587' - 10035'. 448' @ 59' FPH. 10-40 WOB, SPP 2750, GPM 501, 140 BS, RPM 10-20, DIFF. 200-700, TQ 15-20. MUD WT 9.4 PPG.  SLIDES: 9587'-9627' @ 60R GTF

**WINS No: J8081****YOKUM UL UNIT 19-4 3H****Date: 12/23/2016****AFE No: 2124239****Daily Drilling Report****DFS: 9**

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: 66

SPUD YOKUM UL UNIT 19-4 #3H 12/15/2016 @ 11:00.  
RIG RELEASED @ XXXX ON XX/XX/XX.

LAST 5" INSPECTION - 10/9/16  
LAST 4" INSPECTION CAT 3 - 10/25/16  
LAST BHA INSPECTION - 12/5/16

**TUBULAR INVENTORY:**

290 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016 (PRECISION)  
29 JTS 5" 4-1/2" IF HWDP (PRECISION)  
18 JTS 6-1/2" DRILL COLLARS (PRECISION)

758 JTS 4" XT-39 DRILL PIPE (WORKSTRING)  
1 JT 4" FH DRILL PIPE (WORKSTRING)

**CASING STRINGS SET:**

20" CONDUCTOR SET @ 140'  
13 3/8" SURFACE CASING SET @ 1177'  
9 5/8" INTERMEDIATE #1 SET @ 4975'  
KICKOFF POINT @ XXXXX'  
CURVE LANDED @ XXXXX'  
7" INTERMEDIATE #2 @ XXXXX'  
TD WELL @ XXXXX  
PRODUCTION CASING @ XXXXX'

**TARGET LINE:**

BHA #1: 17.5" U616 ULTERRA W/ 9-12'S, 9 5/8" MPACT MOTOR 6/7 - 5.0 - 0.13 RPG SET @ 1.5" W/ 16.875" NBS, 16.875" IBS, SHOCK SUB, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 1037'. TOTAL HRS: 8. ROP: 129 FPH. DEPTH IN: 140'. DEPTH OUT: 1177'. REASON PULLED - TD SURFACE. BIT GRADE: 1-2-CT-GA-IN GAUGE.

BHA #2: 12.25" U616 ULTERRA W/ 6-15'S, 7.75" MPACT MOTOR 4/5 - 5.3 - .25 RPG SET @ 1.5" W/ 11.625" NBS, 11.625" IBS, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 3798. TOTAL HRS: 27.5. ROP: 138 FPH. DEPTH IN: 1177'. DEPTH OUT: 4975'. REASON PULLED - TD CSG PT. BIT GRADE: 1-2-CT-GA-INGAUGE.

BHA #3: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 86' BTG, 88' BTS ) 8.125" IBS, 6.75" SHOCK SUB, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 4975' - 5275'. 300' IN 3 HRS @ 100 FPH. REASON PULLED: BHA TORQUED UP DOWN HOLE INCORRECT MWD ORIENTATION. BIT GRADE: 0-0-A-INGAUGE.

BHA #4: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 71' BTG, 72' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 5275' - 8749'. 3474' IN 54 HRS @ 64 FPH. REASON PULLED: P-RATE. BIT GRADE: 2-3-CT-A-WT-INGAUGE.

BHA #5: 8.75" BAKER T607FX W/ 1.05 TFA, 6.75" MPACT MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 4.45' BTB, 59' BTG, 60' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 8749' - XXXX'. XXXX' IN XXX HRS @ XX FPH. REASON PULLED: XXXXXX. BIT GRADE: XXXXX.

EYES ON WALK AROUND (NO SPILLS).



WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 12/24/2016

AFE No: 2124239

## Daily Drilling Report

DFS: 10

REPT NO. 13	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME PHANTOM		RIG NAME PRECISION 566		TMD 11,100.0	TVD 11,045.1	FOOTAGE 1,065.0	ROP 81.9
SPLIT DATE 12/15/2016	API 4230133030	STATE TEXAS			COUNTY LOVING		DIVISION US SOUTHERN REGION			
CURRENT STATUS TIH WITH CURVE BHA #6 @ 4550'.				FORMATION BONE SPRING 3		ELEV. 2,796.01	DIESEL 1,212.00	MUD LOST(DAY/CUM) \$1399 / \$30,833		
24 HR FORECAST TIH WITH CURVE BHA #6, DRILL 8.75" CURVE TO ~ 11750' (62").				LAST SAFETY MEETING 12/24/2016		ACC LST 24 HRS? NO		WELL COST(DAY/CUM) \$47,387 / \$957,419		
LAST CASING 9.625 in @ 4,974.0 ft		LKOFF	NEXT CASING 7.000 in @ 11,800.0 ft		LAST BOP TEST 12/19/2016		AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00		SUPERVISOR/DRILLING ENG JUSTIN PAUL/BOBBY WEST	

OPERATE SUMMARY: DRILL 8.75" INT HOLE ROTATE / SLIDE F/ 10035' - 11100'. 1065 @ 81' FPH, CIRCULATE HOLE CLEAN, TOO H/L/D BHA #5, P/U 8.75" CURVE BHA#6 TIH.

## BITS/ BIT OPERATIONS

BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R
5/1	8.750	BAKER HUGHES /	7161776	6/15					11.100				---
4/1	8.750	BAKER HUGHES /	7162246	7/14	25 40	20 50	502 2750	191	8749 11.100	2,351.0	39.50	59.5	3-3-X-I-BHA

## SURVEY DATA

Survey Name: Openwire		Survey Tool: MWD+IFR1		Survey Company: PREMIER DIRECTIONAL DRILL				LAST SURVEY@11,037 N/S		-599.5	E/W	-566.3
MD	INCL	AZIMUTH	TVD	SECTION	DLS	MD	INCL	AZIMUTH	TVD	SECTION	DLS	
10,152	6.56	204.57	10,100.9	360.9	0.81	10,689	4.43	202.47	10,635.3	402.4	0.43	
10,331	6.23	201.37	10,278.8	376.3	0.27	10,869	4.46	225.49	10,814.7	411.2	0.98	
10,510	5.16	199.65	10,456.9	390.5	0.61	11,037	3.87	228.68	10,982.3	416.7	0.38	

DENS(ppg)	9.4	CGas	/	BGas	MUD DATA		TGas	/	MUD LOST		WATER LOST		0.00
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND/MBT	FC	PH/PM	Pf/Mf	CI	Ca	LIME	
00:00	29.0	2.0/1.0	1.0/1.0/1.0	100.0	1.90/1.9		1.0	9.50/0.25	0.05/0.20	91,000			

## PUMP/HYDRAULICS

NO.	MAKE OF PUMP	STK(in)	LNR(in)	PUMP OPERATION	SPM	PRESS.(psi)	GPM	AV DC	AV DP
1	BPMMP	12.000	6.000	DRILLING	60	2750	251		
2	BPMMP	12.000	6.000	DRILLING	60	2750	251		
TOTAL							502		

## MUD ADDITIVES

ITEM	USED	UNITS	ITEM	USED	UNITS
DRLG FLUIDS ENGR	1	per day	EZ MUD	1	5 GALLON
LIME	3	50# SX	WALL-NUT MEDIUM	2	50# SX
ZEOGEL	50	50# SX			

## COMMENTS

00:00-01:00 CUT-N-SLIP 110' OF DRILL LINE.  
 00:00-03:30 TIH 8.75" CURVE BHA #6 T/ 10972'.  
 03:30-04:00 RELOG LAST 28'.  
 04:00-05:00 DRILL 8.75" CURVE 11100'-11108'. 8' @ 8FPH.

## OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 05:00	5.00	DRLIN2	02 P - DRILL - ACTUAL	B - MOTOR/TURBINE - VERTICAL	DRILL 8.75" INT HOLE F/ 10035' - 10484'. 449' @ 89' FPH. 10-40 WOB, SPP 2750, GPM 501, 140 BS, RPM 10-20, DIFF. 200-700, TQ 16-22. MUD WT 9.4 PPG.
05:00 - 05:30	0.50	DRLIN2	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	SERVICE RIG.
05:30 - 13:30	8.00	DRLIN2	02 P - DRILL - ACTUAL	B - MOTOR/TURBINE - VERTICAL	DRILL 8.75" INT HOLE F/ 10484' - 11100'. 616' @ 77' FPH. 10-40 WOB, SPP 2750, GPM 501, 140 BS, RPM 20-50, DIFF. 200-700, TQ 16-22. MUD WT 9.4 PPG.
13:30 - 15:30	2.00	DRLIN2	05 P - CIRC & COND MUD	F - HOLE CLEANING/HIGH VIS PILL	DOWN LINK MWD, PUMP SWEEP & CIRC HOLE CLEAN. SPOT 35 BBLs OF KILL MUD. PUMP SLUG.  NOTE** OFF BTM TORQUE 18000-21000. DRAG 35K W/ PUMPS & ROTARY.
15:30 - 21:00	5.50	DRLIN2	06 P - TRIPPING	A - BIT/ BHA	TOOH FOR 8.75" CURVE ASSEMBLY L/D BHA # 5. BIT GRADE: 3-3-BT-A-CT-INGAUGE.
21:00 - 00:00	3.00	DRLIN2	06 P - TRIPPING	A - BIT/ BHA	M/U BHA #6: 8.75" BAKER TP406FX W/ 1.04 TFA, 6.75" GYRODATA FIXED @ 2.38° ( 4/5 LOBE, 7.0 STG, 4.70" BTB, 51" BTG, 52" BTS ), NMPC, EVO CARRIER, NMDC, NMDC, CROSS OVER. ORIENT MWD. TIH T/4550'.

**WINS No: J8081****YOKUM UL UNIT 19-4 3H****Date: 12/24/2016****AFE No: 2124239****Daily Drilling Report****DFS: 10**

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: 66

SPUD YOKUM UL UNIT 19-4 #3H 12/15/2016 @ 11:00.  
RIG RELEASED @ XXXX ON XX/XX/XX.

LAST 5" INSPECTION - 10/9/16  
LAST 4" INSPECTION CAT 3 - 10/25/16  
LAST BHA INSPECTION - 12/5/16

**TUBULAR INVENTORY:**

290 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016 (PRECISION)  
29 JTS 5" 4-1/2" IF HWDP (PRECISION)  
18 JTS 6-1/2" DRILL COLLARS (PRECISION)

758 JTS 4" XT-39 DRILL PIPE (WORKSTRING)  
1 JT 4" FH DRILL PIPE (WORKSTRING)

**CASING STRINGS SET:**

20" CONDUCTOR SET @ 140'  
13 3/8" SURFACE CASING SET @ 1177'  
9 5/8" INTERMEDIATE #1 SET @ 4975'  
KICKOFF POINT @ XXXXX'  
CURVE LANDED @ XXXXX'  
7" INTERMEDIATE #2 @ XXXXX'  
TD WELL @ XXXXX  
PRODUCTION CASING @ XXXXX'

**TARGET LINE:**

BHA #1: 17.5" U616 ULTERRA W/ 9-12'S, 9 5/8" MPACT MOTOR 6/7 - 5.0 - 0.13 RPG SET @ 1.5" W/ 16.875" NBS, 16.875" IBS, SHOCK SUB, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 1037'. TOTAL HRS: 8. ROP: 129 FPH. DEPTH IN: 140'. DEPTH OUT: 1177'. REASON PULLED - TD SURFACE. BIT GRADE: 1-2-CT-GA-IN GAUGE.

BHA #2: 12.25" U616 ULTERRA W/ 6-15'S, 7.75" MPACT MOTOR 4/5 - 5.3 - .25 RPG SET @ 1.5" W/ 11.625" NBS, 11.625" IBS, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 3798. TOTAL HRS: 27.5. ROP: 138 FPH. DEPTH IN: 1177'. DEPTH OUT: 4975'. REASON PULLED - TD CSG PT. BIT GRADE: 1-2-CT-GA-INGAUGE.

BHA #3: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 86' BTG, 88' BTS ) 8.125" IBS, 6.75" SHOCK SUB, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 4975' - 5275'. 300' IN 3 HRS @ 100 FPH. REASON PULLED: BHA TORQUED UP DOWN HOLE INCORRECT MWD ORIENTATION. BIT GRADE: 0-0-A-INGAUGE.

BHA #4: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 71' BTG, 72' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 5275' - 8749'. 3474' IN 54 HRS @ 64 FPH. REASON PULLED: P-RATE. BIT GRADE: 2-3-CT-A-WT-INGAUGE.

BHA #5: 8.75" BAKER T607FX W/ 1.05 TFA, 6.75" MPACT MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 4.45' BTB, 59' BTG, 60' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 8749' - 11100'. 2351' IN 39.5 HRS @ 59 FPH. REASON PULLED: KOP. BIT GRADE: 3-3-BT-A-CT-INGAUGE.

EYES ON WALK AROUND (NO SPILLS).

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 12/25/2016

AFE No: 2124239

## Daily Drilling Report

DFS: 11

REPT NO. 14	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME PHANTOM	RIG NAME PRECISION 566		TMD 11,623.0	TVD 11,502.4	FOOTAGE 523.0	ROP 26.8
SPUD DATE 12/15/2016	API 4230133030	STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION			
CURRENT STATUS DRILL 8-3/4" INT CURVE @ 11623'				FORMATION WOLFCAMP ALPHA		ELEV. 2,796.01	DIESEL 1,475.00	MUD LOST(DAY/CUM) \$1103 / \$31,936	
24 HR FORECAST TOOH FOR 7" CSG, R/U & RUN 7" CSG.				LAST SAFETY MEETING 12/25/2016		ACC LST 24 HRS? NO		WELL COST(DAY/CUM) \$45,584 / \$1,003,003	
LAST CASING 9.625 in @ 4,974.0 ft		LKOFF	NEXT CASING 7.000 in @ 11,800.0 ft		LAST BOP TEST 12/19/2016		AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00		SUPERVISOR/DRILLING ENG JUSTIN PAUL/BOBBY WEST

OPERATE SUMMARY: CDL, TIH T/ 10972', RELOG T/ 11100', DRILL 8-3/4" INT CURVE F/ 11100' - 11623', 523' @ 26 FPH.

## BITS/ BIT OPERATIONS

BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R
5/1	8.750	BAKER HUGHES /	7161776	6/15	5 25	20 30	502 2000	281	11.100 11.623	523.0	19.50	26.8	1-4-X-I-DTF

## SURVEY DATA

Survey Name: Openwire		Survey Tool: MWD+IFR1		Survey Company: PREMIER DIRECTIONAL DRILL			LAST SURVEY@11,553 N/S		-778.1	E/W	-509.5
MD	INCL	AZIMUTH	TVD	SECTION	DLS	MD	INCL	AZIMUTH	TVD	SECTION	DLS
11,105	4.67	210.21	11,050.1	419.5	2.32	11,374	29.49	162.04	11,303.7	502.0	7.76
11,150	9.62	178.06	11,094.8	424.4	13.74	11,463	34.83	155.03	11,379.1	549.1	7.31
11,194	14.75	162.46	11,137.8	433.6	13.75	11,553	41.33	156.64	11,449.9	604.1	7.31
11,284	22.71	165.87	11,222.9	462.5	8.92						

DENS(ppg)	9.5	CGas	/	BGas	MUD DATA		TGas	/	MUD LOST		WATER LOST		0.00
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND/MBT	FC	PH/PM	Pf/Mf	CI	Ca	LIME	
00:00	29.0	2.0/1.0	1.0/1.0/1.0	100.0	1.90/1.9		1.0	9.50/0.25	0.05/0.20	91,000			

## PUMP/HYDRAULICS

NO.	MAKE OF PUMP	STK(in)	LNR(in)	PUMP OPERATION	SPM	PRESS.(psi)	GPM	AV DC	AV DP
1	BPMMP	12.000	6.000	DRILLING	60	2000	251		
2	BPMMP	12.000	6.000	DRILLING	60	2000	251		
TOTAL							502		

## MUD ADDITIVES

ITEM	USED	UNITS	ITEM	USED	UNITS
DRLG FLUIDS ENGR	1	per day	FUEL SURCHARGE	1	MILE
LIME	3	50# SX	ZEOGEL	30	50# SX

## COMMENTS

00:00-05:00 DRILL STRING PRESURED UP, DOWN LINK MWD TO TURN OFF MUD PULSE, NO BLEED OFF, TOOH FOR 7" INT CASING, DUE TO MOTOR FAILURE.

## OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 01:00	1.00	DRLIN2	07 P - LUB RIG (RIG SERVICE)	C - EXPENDABLE REPLACEMENT	CUT-N-SLIP 110' OF DRILL LINE.
01:00 - 03:30	2.50	DRLIN2	06 P - TRIPPING	A - BIT/ BHA	CONTINUE WITH 8.75" CURVE BHA #6 TO 10972'.
03:30 - 04:00	0.50	DRLIN2	05 P - CIRC & COND MUD	A - CONDITION MUD / CLG / HTG	GAMMA RAY LOG F/ 10972' - 11100'.
04:00 - 17:00	13.00	DRLINC	02 P - DRILL - ACTUAL	D - MTR/TURBINE DIRECT./HORIZT L	DRILL 8-3/4" INT CURVE, SLIDING F/ 11100' - 11340', 240' @ 18 FPH, 5-25 WOB, SPP 2000, GPM 501, 250 MMRPMS, RPM 20-30, DIFF. 200-500, TQ 16-22. M.W. 9.5 PPG.  SLIDE: 11100' - 11204' @ 60 L 11221' - 11250' @ 10R 11265' - 11340 @ 10R
17:00 - 17:30	0.50	DRLINC	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	RIG SERVICE
17:30 - 00:00	6.50	DRLINC	02 P - DRILL - ACTUAL	D - MTR/TURBINE DIRECT./HORIZT L	DRILL 8-3/4" INT CURVE, SLIDING F/ 11340' - 11623', 283' @ 43 FPH, 5-25 WOB, SPP 2000, GPM 501, 250 MMRPMS, RPM 20-30, DIFF. 200-500, TQ 16-22. M.W. 9.5 PPG.  SLIDE: 11377'-11430' 30R 11465'-11519' 15R 11544'-11623' 60R

**WINS No: J8081****YOKUM UL UNIT 19-4 3H****Date: 12/25/2016****AFE No: 2124239****Daily Drilling Report****DFS: 11**

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: 66

SPUD YOKUM UL UNIT 19-4 #3H 12/15/2016 @ 11:00.  
RIG RELEASED @ XXXX ON XX/XX/XX.

LAST 5" INSPECTION - 10/9/16  
LAST 4" INSPECTION CAT 3 - 10/25/16  
LAST BHA INSPECTION - 12/5/16

**TUBULAR INVENTORY:**

290 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016 (PRECISION)  
29 JTS 5" 4-1/2" IF HWDP (PRECISION)  
18 JTS 6-1/2" DRILL COLLARS (PRECISION)

758 JTS 4" XT-39 DRILL PIPE (WORKSTRING)  
1 JT 4" FH DRILL PIPE (WORKSTRING)

**CASING STRINGS SET:**

20" CONDUCTOR SET @ 140'  
13 3/8" SURFACE CASING SET @ 1177'  
9 5/8" INTERMEDIATE #1 SET @ 4975'  
KICKOFF POINT @ XXXXX'  
CURVE LANDED @ XXXXX'  
7" INTERMEDIATE #2 @ XXXXX'  
TD WELL @ XXXXX'  
PRODUCTION CASING @ XXXXX'

**TARGET LINE:**

BHA #1: 17.5" U616 ULTERRA W/ 9-12'S, 9 5/8" MPACT MOTOR 6/7 - 5.0 - 0.13 RPG SET @ 1.5" W/ 16.875" NBS, 16.875" IBS, SHOCK SUB, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 1037'. TOTAL HRS: 8. ROP: 129 FPH. DEPTH IN: 140'. DEPTH OUT: 1177'. REASON PULLED - TD SURFACE. BIT GRADE: 1-2-CT-GA-INGAUGE.

BHA #2: 12.25" U616 ULTERRA W/ 6-15's, 7.75" MPACT MOTOR 4/5 - 5.3 - .25 RPG SET @ 1.5" W/ 11.625" NBS, 11.625" IBS, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 3798. TOTAL HRS: 27.5. ROP: 138 FPH. DEPTH IN: 1177'. DEPTH OUT: 4975'. REASON PULLED - TD CSG PT. BIT GRADE: 1-2-CT-GA-INGAUGE.

BHA #3: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 86' BTG, 88' BTS ) 8.125" IBS, 6.75" SHOCK SUB, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 4975' - 5275'. 300' IN 3 HRS @ 100 FPH. REASON PULLED: BHA TORQUED UP DOWN HOLE INCORRECT MWD ORIENTATION. BIT GRADE: 0-0-A-INGAUGE.

BHA #4: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 71' BTG, 72' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 5275' - 8749'. 3474' IN 54 HRS @ 64 FPH. REASON PULLED: P-RATE. BIT GRADE: 2-3-CT-A-WT-INGAUGE.

BHA #5: 8.75" BAKER T607FX W/ 1.05 TFA, 6.75" MPACT MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 4.45' BTB, 59' BTG, 60' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 8749' - 11100'. 2351' IN 39.5 HRS @ 59 FPH. REASON PULLED: KOP. BIT GRADE: 3-3-BT-A-CT-INGAUGE.

BHA #6: 8.75" BAKER TP406FX W/ 1.04 TFA, 6.75" GYRODATA FIXED @ 2.38" ( 4/5 LOBE, 7 STG, 4.10' BTB, 51' BTG, 52' BTS ), NMPC, EVO CARRIER, NMDC, NMFC, CROSS OVER DRILLED F/ 11100' - 11623'. 523' IN 19.5 HRS @ 26 FPH. REASON PULLED: DHT FAILURE RUN 7" CSG, BIT GRADE: 1-4-BT-GA-INGAUGE.

EYES ON WALK AROUND (NO SPILLS).

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 12/26/2016

AFE No: 2124239

## Daily Drilling Report

DFS: 12

REPT NO. 15	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME PHANTOM		RIG NAME PRECISION 566		TMD 11,623.0	TVD 11,502.4	FOOTAGE	ROP 0.0
SPLIT DATE 12/15/2016	API 4230133030	STATE TEXAS			COUNTY LOVING		DIVISION US SOUTHERN REGION			
CURRENT STATUS INDUCE FLOW & CIRCULATE PRIOR TO CEMENTING 7" CSG.					FORMATION WOLFCAMP ALPHA		ELEV. 2,796.01	DIESEL 1,080.00	MUD LOST(DAY/CUM) \$7555 / \$39,491	
24 HR FORECAST MENT 7" INT CSG, N/D BOP'S, SET SLIPS ON 7" CSG, N/U P&A CAP & TEST, R					LAST SAFETY MEETING 12/26/2016		ACC LST 24 HRS? NO		WELL COST(DAY/CUM) \$288,367 / \$1,291,370	
LAST CASING 9.625 in @ 4,974.0 ft		LKOFF	NEXT CASING 7.000 in @ 11,800.0 ft		LAST BOP TEST 12/19/2016		AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00		SUPERVISOR/DRILLING ENG JUSTIN PAUL/BOBBY WEST	

OPERATE SUMMARY: TOOH L/D DIR TOOLS, R/U &amp; RUN 7" CSG.

## BITS/ BIT OPERATIONS

BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R

## SURVEY DATA - LAST 10

Survey Name: Openwire		Survey Tool: MWD+IFR1		Survey Company: PREMIER DIRECTIONAL DRILL				LAST SURVEY@11,553 N/S		-778.1	E/W	-509.5
MD	INCL	AZIMUTH	TVD	SECTION	DLS	MD	INCL	AZIMUTH	TVD	SECTION	DLS	
10,689	4.43	202.47	10,635.3	402.4	0.43	11,194	14.75	162.46	11,137.8	433.6	13.75	
10,869	4.46	225.49	10,814.7	411.2	0.98	11,284	22.71	165.87	11,222.9	462.5	8.92	
11,037	3.87	228.68	10,982.3	416.7	0.38	11,374	29.49	162.04	11,303.7	502.0	7.76	
11,105	4.67	210.21	11,050.1	419.5	2.32	11,463	34.83	155.03	11,379.1	549.1	7.31	
11,150	9.62	178.06	11,094.8	424.4	13.74	11,553	41.33	156.64	11,449.9	604.1	7.31	

DENS(ppg)	9.6	CGas	/	BGas		MUD DATA	TGas	/	MUD LOST		WATER LOST	0.00
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND/MBT	FC	PH/PM	Pf/Mf	CI	Ca	LIME
22:00	28.0	2.0/4.0	1.0/1.0/1.0	100.0	3.70/3.8		1.0	9.00/0.25	0.10/0.20	87,000		

## PUMP/HYDRAULICS

NO.	MAKE OF PUMP	STK(in)	LNR(in)	PUMP OPERATION	SPM	PRESS.(psi)	GPM	AV DC	AV DP
1	BPMMP	12.000							
2	BPMMP	12.000	6.000						
TOTAL							0		

## MUD ADDITIVES

ITEM	USED	UNITS	ITEM	USED	UNITS
DRLG FLUIDS ENGR	1	per day	EZ MUD	5	5 GALLON
TRANSPORTATION	1	1 EACH	WALL-NUT MEDIUM	5	50# SX
ZEOGEL	100	50# SX	BAROID 41 (ST)	20	US TON
GRAPHITE	15	50# BAG			

## COMMENTS

00:00-02:00 INDUCE FLOW & CIRCULATE CSG VOLUME +.

02:00-05:00 CEMENT 7" CASING, & TEST CASING TO 1500 PSI.

## OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 09:00	9.00	CSGIN2	06 P - TRIPPING	A - BIT/ BHA	DRILL STRING PSI INCREASE, DOWN LINK MWD TO TURN OFF MUD PULSE, PSI DID NOT BLEED OFF. TOOH WET FOR 7" CASING, L/D DIR TOOLS & PULL WEARBUSHING. BIT GRADE: 1-4-BT-INGAUGE.  **ONCE OUT OF HOLE FOUND 8' OF ROTOR, SHAFT, BEARING ASSEMBLY, BIT BOX & BIT HANGING OUT OF MOTOR HOUSING.** (GYRO DATA MUD MOTOR).
09:00 - 23:30	14.50	CSGIN2	12 P - RUN CASING & CEMENT	C - RUN/PULL CASING/LINER/TI EBACK	PJSM, R/U FRANKS CSG CREW & RUN 268 JTS OF 7" 29# HCP-110 BTC TO 11623', AS FOLLOWS: 1) WEATHERFORD FLOAT SHOE @ 11623'. 2) 2 JTS 7" CSG. 3) WEATHERFORD FLOAT COLLAR @ 11531'. 4) 266 JTS CSG.  RAN 1 SOLID STAND OFF SPIROLATOR 5' ABOVE SHOE & 1, 5' ABOVE FLOAT COLLAR AND 1 EVERY OTHER JOINT TO TOC. RAN 29 BOW SPRING CENTRALIZERS EVERY 5TH JT TO 9-5/8" CSG SHOE.
23:30 - 00:00	0.50	CSGIN2	05 P - CIRC & COND MUD	D - DOWN CASING	R/U CEMENT HEAD & CIRCULATING IRON.

**WINS No: J8081****YOKUM UL UNIT 19-4 3H****Date: 12/26/2016****AFE No: 2124239****Daily Drilling Report****DFS: 12**

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: 66

SPUD YOKUM UL UNIT 19-4 #3H 12/15/2016 @ 11:00.  
RIG RELEASED @ XXXX ON XX/XX/XX.

LAST 5" INSPECTION - 10/9/16  
LAST 4" INSPECTION CAT 3 - 10/25/16  
LAST BHA INSPECTION - 12/5/16

**TUBULAR INVENTORY:**

290 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016 (PRECISION)  
29 JTS 5" 4-1/2" IF HWDP (PRECISION)  
18 JTS 6-1/2" DRILL COLLARS (PRECISION)

758 JTS 4" XT-39 DRILL PIPE (WORKSTRING)  
1 JT 4" FH DRILL PIPE (WORKSTRING)

**CASING STRINGS SET:**

20" CONDUCTOR SET @ 140'  
13 3/8" SURFACE CASING SET @ 1177'  
9 5/8" INTERMEDIATE #1 SET @ 4975'  
KICKOFF POINT @ 11100'  
CURVE LANDED @ XXXXX'  
7" INTERMEDIATE #2 @ 11623'  
TD WELL @ XXXXX  
PRODUCTION CASING @ XXXXX'

**TARGET LINE:**

BHA #1: 17.5" U616 ULTERRA W/ 9-12'S, 9 5/8" MPACT MOTOR 6/7 - 5.0 - 0.13 RPG SET @ 1.5" W/ 16.875" NBS, 16.875" IBS, SHOCK SUB, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 1037'. TOTAL HRS: 8. ROP: 129 FPH. DEPTH IN: 140'. DEPTH OUT: 1177'. REASON PULLED - TD SURFACE. BIT GRADE: 1-2-CT-GA-INGAUGE.

BHA #2: 12.25" U616 ULTERRA W/ 6-15's, 7.75" MPACT MOTOR 4/5 - 5.3 - .25 RPG SET @ 1.5" W/ 11.625" NBS, 11.625" IBS, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 3798. TOTAL HRS: 27.5. ROP: 138 FPH. DEPTH IN: 1177'. DEPTH OUT: 4975'. REASON PULLED - TD CSG PT. BIT GRADE: 1-2-CT-GA-INGAUGE.

BHA #3: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 86' BTG, 88' BTS ) 8.125" IBS, 6.75" SHOCK SUB, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 4975' - 5275'. 300' IN 3 HRS @ 100 FPH. REASON PULLED: BHA TORQUED UP DOWN HOLE INCORRECT MWD ORIENTATION. BIT GRADE: 0-0-A-INGAUGE.

BHA #4: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 71' BTG, 72' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 5275' - 8749'. 3474' IN 54 HRS @ 64 FPH. REASON PULLED: P-RATE. BIT GRADE: 2-3-CT-A-WT-INGAUGE.

BHA #5: 8.75" BAKER T607FX W/ 1.05 TFA, 6.75" MPACT MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 4.45' BTB, 59' BTG, 60' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 8749' - 11100'. 2351' IN 39.5 HRS @ 59 FPH. REASON PULLED: KOP. BIT GRADE: 3-3-BT-A-CT-INGAUGE.

BHA #6: 8.75" BAKER TP406FX W/ 1.04 TFA, 6.75" GYRODATA FIXED @ 2.38" ( 4/5 LOBE, 7 STG, 4.10' BTB, 51' BTG, 52' BTS ), NMPC, EVO CARRIER, NMDC, NMFC, CROSS OVER DRILLED F/ 11100' - 11623'. 523' IN 19.5 HRS @ 26 FPH. REASON PULLED: DHT FAILURE RUN 7" CSG, BIT GRADE: 1-4-BT-GA-INGAUGE.

EYES ON WALK AROUND (NO SPILLS).

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 12/27/2016

AFE No: 2124239

## Daily Drilling Report

DFS: 13

REPT NO. 16	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME PHANTOM	RIG NAME PRECISION 566		TMD 11,623.0	TVD 11,502.4	FOOTAGE	ROP 0.0
SPUD DATE 12/15/2016	API 4230133030	STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION			
CURRENT STATUS RIG RELEASE T/ YOKUM UL UNIT 19-4 #2H @ 14:00 ON 12/27/2016.				FORMATION WOLFCAMP ALPHA		ELEV. 2,796.01	DIESEL		MUD LOST(DAY/CUM) \$0 / \$39,491
24 HR FORECAST RIG RELEASE T/ YOKUM UL UNIT 19-4 #2H @ 14:00 ON 12/27/2016.				LAST SAFETY MEETING 12/27/2016		ACC LST 24 HRS? NO		WELL COST(DAY/CUM) \$62,108 / \$1,372,187	
LAST CASING 9.625 in @ 4,974.0 ft		LKOFF	NEXT CASING 7.000 in @ 11,800.0 ft		LAST BOP TEST 12/19/2016		AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00		SUPERVISOR/DRILLING ENG JUSTIN PAUL/BOBBY WEST

OPERATE SUMMARY: CEMENT 7" CASING, TEST CASING TO 1500 PSI (GOOD TEST), N/D BOP'S, SET SLIPS, INSTALL T&A CAP, RELEASE RIG TO YOKUM UL UNIT 19-4 #2H @ 14:00 ON 12/27/2016.

## BITS/ BIT OPERATIONS

BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R

## SURVEY DATA - LAST 10

Survey Name: Openwire		Survey Tool: MWD+IFR1		Survey Company: PREMIER DIRECTIONAL DRILL				LAST SURVEY@11,553 N/S		-778.1	E/W	-509.5
MD	INCL	AZIMUTH	TVD	SECTION	DLS	MD	INCL	AZIMUTH	TVD	SECTION	DLS	
10,689	4.43	202.47	10,635.3	402.4	0.43	11,194	14.75	162.46	11,137.8	433.6	13.75	
10,869	4.46	225.49	10,814.7	411.2	0.98	11,284	22.71	165.87	11,222.9	462.5	8.92	
11,037	3.87	228.68	10,982.3	416.7	0.38	11,374	29.49	162.04	11,303.7	502.0	7.76	
11,105	4.67	210.21	11,050.1	419.5	2.32	11,463	34.83	155.03	11,379.1	549.1	7.31	
11,150	9.62	178.06	11,094.8	424.4	13.74	11,553	41.33	156.64	11,449.9	604.1	7.31	

DENS(ppg)	9.6	CGas	/	BGas	MUD DATA			TGas	/	MUD LOST		WATER LOST		0.00
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND/MBT	FC	PH/PM	Pf/Mf	CI	Ca	LIME		
00:00	28.0	2.0/4.0	1.0/1.0/1.0	100.0	3.70/3.8		1.0	9.00/0.25	0.10/0.20	87,000				

## PUMP/HYDRAULICS

NO.	MAKE OF PUMP	STK(in)	LNR(in)	PUMP OPERATION	SPM	PRESS.(psi)	GPM	AV DC	AV DP
1	BPMMP	12.000							
2	BPMMP	12.000	6.000						
TOTAL							0		

## MUD ADDITIVES

ITEM	USED	UNITS	ITEM	USED	UNITS

## COMMENTS

RIG RELEASE T/ YOKUM UL UNIT 19-4 #2H @ 14:00 ON 12/27/2016.

## OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 02:00	2.00	CSGIN2	05 P - CIRC & COND MUD	D - DOWN CASING	INDUCE FLOW, CIRC 1.5 X CSG CAPACITY. FULL RETURNS.
02:00 - 05:00	3.00	CSGIN2	12 P - RUN CASING & CEMENT	E - CEMENTING PRIMARY	PJSM WITH ALLIED, 1) TEST LINES TO 5000 PSI. 2) PUMP 30 BBL FRESH WATER SPACER. 3) 183 BBLS ( 384 SX ) OF 11.5 PPG LEAD CMT @ 2.67 YD. CLASS C : POZ BLEND. 4) 92 BBLS ( 426 SX ) OF 14.4 PPG TAIL CMT @ 1.22 YD. CLASS C : POZ BLEND. 5) DROP PLUG AND DISPLACE WITH 428 BBLS: 20 BBL FRESH WATER, 390 BBL 9.2 PPG MUD, 18 BBL FRESH WATER. BUMP PLUG ON TIME @ 1700-2300 PSI, 3 BPM,  PRESSURED UP TO 1500 PSI, HOLD 30 MIN FOR CSG TEST - GOOD TEST. RELEASE PRESSURE. FLOATS HELD WITH 3 BBL BACK TO TRUCK. FULL RETURNS THROUGH JOB, WELL DEAD.  R/D ALLIED.
05:00 - 08:00	3.00	CSGIN2	24 P - SURFACE/ SUBSURFACE EQPMT	A - WELLHEAD INSTALLATION	NIPPLE DOWN & LIFT STACK. INSTALL CAMERON CSG HANGER WITH 280K WEIGHT ON SAME. CUT & L/D CSG. REMOVE KOMMY LINES & LAY OVER BOP'S.
08:00 - 10:00	2.00	CSGIN2	14 P - NU BOPE	A - NIPPLE UP / NIPPLE DOWN	MAKE FINAL CUT, NIPPLE UP T&A CAP, TEST CAP TO 4875 PSI, INSTALL BPV (WITNESS BY JUSTIN PAUL).  RIG RELEASED TO YOKUM UL UNIT #2H @ 14:00 ON 12/27/2016.
10:00 - 14:00	4.00	CSGIN2	14 P - NU BOPE	A - NIPPLE UP / NIPPLE DOWN	CLEAN SOLIDS OUT OF SHAKER TANKS DUE TO BEING TO HEAVY TO SKID & PREP TO SKID.  RIG RELEASED TO YOKUM UL UNIT #2H @ 14:00 ON 12/27/2016.

**WINS No: J8081****YOKUM UL UNIT 19-4 3H****Date: 12/27/2016****AFE No: 2124239****Daily Drilling Report****DFS: 13**

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: 66

SPUD YOKUM UL UNIT 19-4 #3H 12/15/2016 @ 11:00.  
RIG RELEASED @ XXXX ON XX/XX/XX.

LAST 5" INSPECTION - 10/9/16  
LAST 4" INSPECTION CAT 3 - 10/25/16  
LAST BHA INSPECTION - 12/5/16

**TUBULAR INVENTORY:**

290 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016 (PRECISION)  
29 JTS 5" 4-1/2" IF HWDP (PRECISION)  
18 JTS 6-1/2" DRILL COLLARS (PRECISION)

758 JTS 4" XT-39 DRILL PIPE (WORKSTRING)  
1 JT 4" FH DRILL PIPE (WORKSTRING)

**CASING STRINGS SET:**

20" CONDUCTOR SET @ 140'  
13 3/8" SURFACE CASING SET @ 1177'  
9 5/8" INTERMEDIATE #1 SET @ 4975'  
KICKOFF POINT @ 11100'  
CURVE LANDED @ XXXXX'  
7" INTERMEDIATE #2 @ 11623'  
TD WELL @ XXXXX  
PRODUCTION CASING @ XXXXX'

**TARGET LINE:**

BHA #1: 17.5" U616 ULTERRA W/ 9-12'S, 9 5/8" MPACT MOTOR 6/7 - 5.0 - 0.13 RPG SET @ 1.5" W/ 16.875" NBS, 16.875" IBS, SHOCK SUB, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 1037'. TOTAL HRS: 8. ROP: 129 FPH. DEPTH IN: 140'. DEPTH OUT: 1177'. REASON PULLED - TD SURFACE. BIT GRADE: 1-2-CT-GA-INGAUGE.

BHA #2: 12.25" U616 ULTERRA W/ 6-15'S, 7.75" MPACT MOTOR 4/5 - 5.3 - .25 RPG SET @ 1.5" W/ 11.625" NBS, 11.625" IBS, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 3798. TOTAL HRS: 27.5. ROP: 138 FPH. DEPTH IN: 1177'. DEPTH OUT: 4975'. REASON PULLED - TD CSG PT. BIT GRADE: 1-2-CT-GA-INGAUGE.

BHA #3: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 86' BTG, 88' BTS ) 8.125" IBS, 6.75" SHOCK SUB, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 4975' - 5275'. 300' IN 3 HRS @ 100 FPH. REASON PULLED: BHA TORQUED UP DOWN HOLE INCORRECT MWD ORIENTATION. BIT GRADE: 0-0-A-INGAUGE.

BHA #4: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 71' BTG, 72' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 5275' - 8749'. 3474' IN 54 HRS @ 64 FPH. REASON PULLED: P-RATE. BIT GRADE: 2-3-CT-A-WT-INGAUGE.

BHA #5: 8.75" BAKER T607FX W/ 1.05 TFA, 6.75" MPACT MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 4.45' BTB, 59' BTG, 60' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 8749' - 11100'. 2351' IN 39.5 HRS @ 59 FPH. REASON PULLED: KOP. BIT GRADE: 3-3-BT-A-CT-INGAUGE.

BHA #6: 8.75" BAKER TP406FX W/ 1.04 TFA, 6.75" GYRODATA FIXED @ 2.38" ( 4/5 LOBE, 7 STG, 4.10' BTB, 51' BTG, 52' BTS ), NMPC, EVO CARRIER, NMDC, NMFC, CROSS OVER DRILLED F/ 11100' - 11623'. 523' IN 19.5 HRS @ 26 FPH. REASON PULLED: DHT FAILURE RUN 7" CSG, BIT GRADE: 1-4-BT-GA-INGAUGE.

EYES ON WALK AROUND (NO SPILLS).



WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 01/15/2017

AFE No: 2124239

## Daily Drilling Report

DFS: 14

REPT NO. 17	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME PHANTOM	RIG NAME PRECISION 566		TMD 11,623.0	TVD 11,502.4	FOOTAGE	ROP 0.0
SPUD DATE 12/15/2016	API 4230133030	STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION			
CURRENT STATUS TEST STAND PIPE & KELLY HOSE BACK TO PUMPS.				FORMATION WOLFCAMP ALPHA		ELEV. 2,796.01	DIESEL 338.00	MUD LOST(DAY/CUM) \$795 / \$40,286	
24 HR FORECAST V-CUT DRILL LINE, DISPLACE W/ 12.7 PPG OBM & DRILL SHOE TRACK, DRILL.				LAST SAFETY MEETING 1/15/2017		ACC LST 24 HRS? NO		WELL COST(DAY/CUM) \$46,508 / \$1,442,761	
LAST CASING 9.625 in @ 4,974.0 ft		LKOFF	NEXT CASING 7.000 in @ 11,800.0 ft		LAST BOP TEST 1/15/2017		AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00		SUPERVISOR/DRILLING ENG JUSTIN PAUL/BOBBY WEST

OPERATE SUMMARY: SKID RIG F/ YOKUM UL UNIT 19-4 #2, N/U DRLG SPOOL, N/U BOP'S, TEST BOP'S.

## BITS/ BIT OPERATIONS

BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R

## SURVEY DATA - LAST 10

Survey Name: Openwire		Survey Tool: MWD+IFR1		Survey Company: PREMIER DIRECTIONAL DRILL				LAST SURVEY@11,553 N/S		-778.1	E/W	-509.5
MD	INCL	AZIMUTH	TVD	SECTION	DLS	MD	INCL	AZIMUTH	TVD	SECTION	DLS	
10,689	4.43	202.47	10,635.3	402.4	0.43	11,194	14.75	162.46	11,137.8	433.6	13.75	
10,869	4.46	225.49	10,814.7	411.2	0.98	11,284	22.71	165.87	11,222.9	462.5	8.92	
11,037	3.87	228.68	10,982.3	416.7	0.38	11,374	29.49	162.04	11,303.7	502.0	7.76	
11,105	4.67	210.21	11,050.1	419.5	2.32	11,463	34.83	155.03	11,379.1	549.1	7.31	
11,150	9.62	178.06	11,094.8	424.4	13.74	11,553	41.33	156.64	11,449.9	604.1	7.31	

DENS(ppg)	12.7	CGas	/	BGas		MUD DATA	TGas	/	MUD LOST		WATER LOST	0.00
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND	FC	OIL/WAT	WPS	ES	LIME	
00:00	80.0	20.0/10.0	11.0/22.0/23.0	/15.0	8.50/23.0			78.10/21.90	235,490	543	3.4	

## PUMP/HYDRAULICS

NO.	MAKE OF PUMP	STK(in)	LNR(in)	PUMP OPERATION	SPM	PRESS.(psi)	GPM	AV DC	AV DP
1	BPMMP	12.000							
2	BPMMP	12.000	6.000						
TOTAL								0	

## MUD ADDITIVES

ITEM	USED	UNITS	ITEM	USED	UNITS
DRLG FLUIDS ENGR	1	per day			

## COMMENTS

00:00-00:30 FINISH TESTING BOP'S & R/D TESTERS.  
 00:30-05:30 P/U 6.125" DIR BHA #7 & TIH T/9100'.

## OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
04:30 - 10:30	6.00	MIRU	01 P - RU/RD	C - SKID RIG	PREP & SKID RIG F/ YOKUM UL UNIT 19-4 #3H, T/ YOKUM UL UNIT 19-4 #2H, 30', CENTER RIG OVER HOLE, SPOT CATWALK, RIG UP STAND PIPE JUMPERS, TANK JUMPERS.
10:30 - 12:00	1.50	CSGIN1	24 P - SURFACE/ SUBSURFAC E EQPMT	A - WELLHEAD INSTALLATION	INSTALL 11" 5K X 11" 10K "C" SECTION WELL HEAD AND TEST T/4,800 PSI.
12:00 - 14:30	2.50	CSGIN1	14 P - NU BOPE	A - NIPPLE UP / NIPPLE DOWN	N/U BOP'S, TORQUE BOLTS ON BOP, HOOK UP CHOKE AND KILL LINES. CONNECT FLOW LINE AND INSTALL TURN BUCKLES.
14:30 - 21:30	7.00	CSGIN1	15 P - TEST BOP	A - TESTING	TEST BOPS. TEST PIPE RAMS, BLIND RAMS, TIW AND IBOP T/ 250 PSI LOW & 8,500 PSI HIGH. TEST ANNULAR T/250 PSI LOW & 3,500 PSI HIGH. TEST TOP DRIVE IBOP, ROTARY HOSE, STANDPIPE AND BACK TO MUD PUMPS T/250 PSI LOW & 5,700 PSI HIGH. ALL TESTS HELD 5 MINUTES EACH.  *****KOOMY LINES CROSSED TRACE OUT AND HOOK UP CORRECTLY, FUNCTION & FLUSH THROUGH MANUAL CHOKE LINE VALVE TO GET TO TEST. CHANGE OUT 4" VALVE @ #2 MUD PUMP DUE TO LEAKING (STILL DID NOT TEST), CHANGED OUT TEST PLUG TO TEST BTM RAMS DUE TO TEST PLUG HEIGHT & X-O LENGTH.*****
21:30 - 23:30	2.00	CSGIN1	08 Z - RIG REPAIR	B - MUD PUMPS/CIRC EQP/ROT/TOP DRI	4" VALVE @ #2 PUMP LEAKING AFTER C/O THROUGH BODY, BREAK OPEN VALVE CHECK & REPLACE GASKET. VALVE STILL LEAKING. C/O 4" VALVE 2nd TIME & REPLACE PADDLE AND SEAT, INSTALL 4" VALVE.
23:30 - 00:00	0.50	CSGIN1	15 P - TEST BOP	A - TESTING	TEST KELLY HOSE & STAND PIPE BACK TO PUMPS AFTER C/O 4" VALVE 2X & RE-BUILDING ONCE, 250 LOW, 5700 HIGH.

**WINS No: J8081****YOKUM UL UNIT 19-4 3H****Date: 01/15/2017****AFE No: 2124239****Daily Drilling Report****DFS: 14**

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: 66

SPUD YOKUM UL UNIT 19-4 #3H 12/15/2016 @ 11:00.  
RIG RELEASED @ 14:00 ON 12/27/2016.  
RE-ENTERED ON PRODUCTION 1/15/2017 @ 04:30.  
RIG RELEASED @ XX:XX ON XX/XX/XXXX.

LAST 5" INSPECTION - 10/9/16  
LAST 4" INSPECTION CAT 3 - 10/25/16  
LAST BHA INSPECTION - 12/5/16

**TUBULAR INVENTORY:**

290 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016 (PRECISION)  
29 JTS 5" 4-1/2" IF HWDP (PRECISION)  
18 JTS 6-1/2" DRILL COLLARS (PRECISION)

758 JTS 4" XT-39 DRILL PIPE (WORKSTRING)  
1 JT 4" FH DRILL PIPE (WORKSTRING)

**CASING STRINGS SET:**

20" CONDUCTOR SET @ 140'  
13 3/8" SURFACE CASING SET @ 1177'  
9 5/8" INTERMEDIATE #1 SET @ 4975'  
KICKOFF POINT @ 11100'  
CURVE LANDED @ XXXXX'  
7" INTERMEDIATE #2 @ 11623'  
TD WELL @ XXXXX'  
PRODUCTION CASING @ XXXXX'

**TARGET LINE:**

BHA #1: 17.5" U616 ULTERRA W/ 9-12'S, 9 5/8" MPACT MOTOR 6/7 - 5.0 - 0.13 RPG SET @ 1.5" W/ 16.875" NBS, 16.875" IBS, SHOCK SUB, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 1037'. TOTAL HRS: 8. ROP: 129 FPH. DEPTH IN: 140'. DEPTH OUT: 1177'. REASON PULLED - TD SURFACE. BIT GRADE: 1-2-CT-GA-IN GAUGE.

BHA #2: 12.25" U616 ULTERRA W/ 6-15'S, 7.75" MPACT MOTOR 4/5 - 5.3 - .25 RPG SET @ 1.5" W/ 11.625" NBS, 11.625" IBS, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 3798. TOTAL HRS: 27.5. ROP: 138 FPH. DEPTH IN: 1177'. DEPTH OUT: 4975'. REASON PULLED - TD CSG PT. BIT GRADE: 1-2-CT-GA-INGAUGE.

BHA #3: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 86' BTG, 88' BTS ) 8.125" IBS, 6.75" SHOCK SUB, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 4975' - 5275'. 300' IN 3 HRS @ 100 FPH. REASON PULLED: BHA TORQUED UP DOWN HOLE INCORRECT MWD ORIENTATION. BIT GRADE: 0-0-A-INGAUGE.

BHA #4: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 71' BTG, 72' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 5275' - 8749'. 3474' IN 54 HRS @ 64 FPH. REASON PULLED: P-RATE. BIT GRADE: 2-3-CT-A-WT-INGAUGE.

BHA #5: 8.75" BAKER T607FX W/ 1.05 TFA, 6.75" MPACT MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 4.45' BTB, 59' BTG, 60' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 8749' - 11100'. 2351' IN 39.5 HRS @ 59 FPH. REASON PULLED: KOP. BIT GRADE: 3-3-BT-A-CT-INGAUGE.

BHA #6: 8.75" BAKER TP406FX W/ 1.04 TFA, 6.75" GYRODATA FIXED @ 2.38" ( 4/5 LOBE, 7 STG, 4.10' BTB, 51' BTG, 52' BTS ), NMPC, EVO CARRIER, NMDC, NMFC, CROSS OVER DRILLED F/ 11100' - 11623'. 523' IN 19.5 HRS @ 26 FPH. REASON PULLED: DHT FAILURE RUN 7" CSG, BIT GRADE: 1-4-BT-GA-INGAUGE.

EYES ON WALK AROUND (NO SPILLS).

<b>WINS No: J8081</b>				<b>YOKUM UL UNIT 19-4 3H</b>				<b>Date: 01/16/2017</b>					
<b>AFE No: 2124239</b>				<b>Daily Drilling Report</b>				<b>DFS: 15</b>					
REPT NO. 18	OPERATOR ANADARKO E&P ONSHORE LLC			FIELD NAME PHANTOM		RIG NAME PRECISION 566		TMD 11,842.0	TVD 11,637.2	FOOTAGE 219.0	ROP 27.4		
SPUD DATE 12/15/2016	API 4230133030		STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION						
CURRENT STATUS TOOH (WET) DUE TO PUMP PSI INCREASE.					FORMATION WOLFCAMP ALPHA		ELEV. 2,796.01	DIESEL 1,080.00	MUD LOST(DAY/CUM) \$4832 / \$45,117				
24 HR FORECAST JD MOTOR, MWD. TIH W/ BHA #8, DRILL 6.125" CURVE T/~12200', DRILL 6.125"					LAST SAFETY MEETING 1/16/2017		ACC LST 24 HRS? NO		WELL COST(DAY/CUM) \$38,832 / \$1,481,592				
LAST CASING 7.000 in @ 11,622.0 ft		LKOFF	NEXT CASING 4.500 in @ 17,089.0 ft		LAST BOP TEST 1/15/2017		AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00		SUPERVISOR/DRILLING ENG JUSTIN PAUL/BOBBY WEST				
OPERATE SUMMARY: FINISH TESTING BOP'S, P/U BHA#7 & TIH, DRILL SHOE TRACK & DISPLACE WITH OBM, DRILL 6.125" CURVE 11623' T/ 11842', 219' @ 27 FPH. TROUBLE SHOOT PUMP PSI INCREASE, TOOH T/4829'.													
<b>BITS/ BIT OPERATIONS</b>													
BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R
7/1	6.125	BAKER HUGHES /	7161129	5/14	5 20	15 30	302 4100	341	11.623	219.0	8.00	27.4	- - -
<b>DENS(ppg)</b>													
12.4		CGas	/	BGas	MUD DATA			TGas	/	MUD LOST		WATER LOST	
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND	FC	OIL/WAT		WPS	ES	LIME	
00:00	68.0	21.0/12.0	10.0/24.0/25.0	/15.0	9.70/22.1			73.70/26.30		233,622	503	3.2	
<b>PUMP/HYDRAULICS</b>													
NO.	MAKE OF PUMP		STK(in)	LNR(in)	PUMP OPERATION		SPM	PRESS.(psi)		GPM	AV DC	AV DP	
1	BPMMP		12.000	5.000	DRILLING		52	4100		151			
2	BPMMP		12.000	5.000	DRILLING		52	41		151			
TOTAL											302		
<b>MUD ADDITIVES</b>													
ITEM		USED	UNITS		ITEM		USED	UNITS					
DRLG FLUIDS ENGR		1	per day		LIME		20	50# SX					
SHRINKWRAP		8	1 EACH		TRANSPORTATION		204	1 CWT					
SUSPENTONE		20	50# BAG		OIL ABSORBENT		4	50# BAG					
INVERMUL		1	55 GAL DRUM		DRILTREAT		3	5 GAL CAN					
CALCIUM CHLORIDE POWDER		20	50# BAG										
<b>COMMENTS</b>													
00:00-03:00 CONTINUE TOOH DUE TO PUMP PSI INCREASE, L/D MWD, BIT & MTR.													
03:00-04:30 P/U DIR BHA #8 & TIH T/ 1500'.													
<b>OPERATION DETAILS</b>													
HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION								
00:00 - 00:30	0.50	CSGIN1	15 P - TEST BOP	A - TESTING	FINISH TEST KELLY HOSE & STAND PIPE BACK TO PUMPS 250 LOW, 5700 HIGH. R/D TESTER.								
00:30 - 06:00	5.50	CSGIN2	06 P - TRIPPING	A - BIT/ BHA	M/U BHA #7: 6.125" BAKER TD405FX W/ .75 TFA, 4-3/4" BAKER X-TREME, 1.83 ADJ, (5/6 LOBE 9.5 STG 5.24' BTB, 59' BTG, 60' BTS ) FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, CROSS OVER. ORIENT MWD. TIH T/10146'.								
06:00 - 06:30	0.50	CSGIN2	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	CUT-N-SLIP 120' OF DRILL LINE.								
06:30 - 07:00	0.50	CSGIN2	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	RIG SERVICE & TDS.								
07:00 - 08:00	1.00	CSGIN2	06 P - TRIPPING	A - BIT/ BHA	TIH P/U 4" DRILL PIPE T/11450'. (TAG CMT STRINGERS).								
08:00 - 10:00	2.00	CSGIN2	02 P - DRILL - ACTUAL	F - CEMENT IN CASING/SHOE	DRILL CEMENT & SHOE TRACK 10450'-11622', WHILE DISPLACING WITH 12.7 PPG OBM. (TAGGED FC @ 11530' & SHOE @ 11622'.								
10:00 - 11:30	1.50	DRLPRC	08 Z - RIG REPAIR	B - MUD PUMPS/CIRC EQP/ROT/TOP DRI	TROUBLE SHOOT SHAKER TANK TRANSFER PUMP, WIRE PUMP UP DIRECT.								
11:30 - 19:30	8.00	DRLPRC	02 P - DRILL - ACTUAL	D - MTR/TURBINE DIRECT./HORIZT L	DRILL 6.125" CURVE F/ 11623' - 11842', 219' @ 27 FPH. 20-30 WOB, SPP 4100, GPM 302, 311 MMRPMS, TD RPM 30, DIFF. 300-900, TQ 5-8.  SLIDES: 11632' - 11753' @ 15R 11763' - 11841' @ 10R								
19:30 - 20:30	1.00	DRLPRC	05 P - CIRC & COND MUD	C - PRIOR TO TRIP	TROUBLE SHOOT PUMP PSI INCREASE, DOWN LINK MWD & TURN OFF, NO CHANGE IN PSI INCREASE, RECYCLE PUMPS, WITH NO CHANGE, PUMP SLUG.								
20:30 - 00:00	3.50	DRLPRC	06 P - TRIPPING	H - TOOL FAILURE	TOOH (WET) F/ 11841 T/ 4829', DUE TO PUMP PSI INCREASE, HOLE TAKING CORRECT FILL.								

**WINS No: J8081****YOKUM UL UNIT 19-4 3H****Date: 01/16/2017****AFE No: 2124239****Daily Drilling Report****DFS: 15**

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: 66

SPUD YOKUM UL UNIT 19-4 #3H 12/15/2016 @ 11:00.  
RIG RELEASED @ 14:00 ON 12/27/2016.  
RE-ENTERED ON PRODUCTION 1/15/2017 @ 04:30.  
RIG RELEASED @ XX:XX ON XX/XX/XXXX.

LAST 5" INSPECTION - 10/9/16  
LAST 4" INSPECTION CAT 3 - 10/25/16  
LAST BHA INSPECTION - 12/5/16

**TUBULAR INVENTORY:**

290 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016 (PRECISION)  
29 JTS 5" 4-1/2" IF HWDP (PRECISION)  
18 JTS 6-1/2" DRILL COLLARS (PRECISION)

758 JTS 4" XT-39 DRILL PIPE (WORKSTRING)  
1 JT 4" FH DRILL PIPE (WORKSTRING)

**CASING STRINGS SET:**

20" CONDUCTOR SET @ 140'  
13 3/8" SURFACE CASING SET @ 1177'  
9 5/8" INTERMEDIATE #1 SET @ 4975'  
KICKOFF POINT @ 11100'  
CURVE LANDED @ XXXXX'  
7" INTERMEDIATE #2 @ 11623'  
TD WELL @ XXXXX  
PRODUCTION CASING @ XXXXX'

Target Line: 11,701' TVD, 90.4° Inc, 163.72° Azi @ 0' VS  
Target Window: 10' above / 20' below  
Target Window CHANGE @ 5:42 on 1/16/2017: 0' above / 30' below, By Beau Sirois.

BHA #1: 17.5" U616 ULTERRA W/ 9-12'S, 9 5/8" MPACT MOTOR 6/7 - 5.0 - 0.13 RPG SET @ 1.5" W/ 16.875" NBS, 16.875" IBS, SHOCK SUB, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 1037'. TOTAL HRS: 8. ROP: 129 FPH. DEPTH IN: 140'. DEPTH OUT: 1177'. REASON PULLED - TD SURFACE. BIT GRADE: 1-2-CT-GA-INGAUGE.

BHA #2: 12.25" U616 ULTERRA W/ 6-15'S, 7.75" MPACT MOTOR 4/5 - 5.3 - .25 RPG SET @ 1.5" W/ 11.625" NBS, 11.625" IBS, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 3798. TOTAL HRS: 27.5. ROP: 138 FPH. DEPTH IN: 1177'. DEPTH OUT: 4975'. REASON PULLED - TD CSG PT. BIT GRADE: 1-2-CT-GA-INGAUGE.

BHA #3: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 86' BTG, 88' BTS ) 8.125" IBS, 6.75" SHOCK SUB, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 4975' - 5275'. 300' IN 3 HRS @ 100 FPH. REASON PULLED: BHA TORQUED UP DOWN HOLE INCORRECT MWD ORIENTATION. BIT GRADE: 0-0-A-INGAUGE.

BHA #4: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 71' BTG, 72' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 5275' - 8749'. 3474' IN 54 HRS @ 64 FPH. REASON PULLED: P-RATE. BIT GRADE: 2-3-CT-A-WT-INGAUGE.

BHA #5: 8.75" BAKER T607FX W/ 1.05 TFA, 6.75" MPACT MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 4.45' BTB, 59' BTG, 60' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 8749' - 11100'. 2351' IN 39.5 HRS @ 59 FPH. REASON PULLED: KOP. BIT GRADE: 3-3-BT-A-CT-INGAUGE.

BHA #6: 8.75" BAKER TP406FX W/ 1.04 TFA, 6.75" GYRODATA FIXED @ 2.38° ( 4/5 LOBE, 7 STG, 4.10' BTB, 51' BTG, 52' BTS ), NMPC, EVO CARRIER, NMDC, NMFC, CROSS OVER DRILLED F/ 11100' - 11623'. 523' IN 19.5 HRS @ 26 FPH. REASON PULLED: DHT FAILURE RUN 7" CSG, BIT GRADE: 1-4-BT-GA-INGAUGE.

BHA #7: 6.125" BAKER TD405FX W/ 0.75 TFA, 4-3/4" BAKER M1XL-P, 1.83° ( 5/6 LOBE, 9.50 STG ) ( 5.24 BTB, 59' BTG, 60' BTS, 1.03 RPG ), FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, X-O. DRILLED F/ 11623' - 11842', 219' IN 8 HRS @ 27 FPH. BIT GRADE: 0-0-NO-A-INGAUGE.

EYES ON WALK AROUND (NO SPILLS).

<b>WINS No: J8081</b>				<b>YOKUM UL UNIT 19-4 3H</b>				<b>Date: 01/17/2017</b>					
<b>AFE No: 2124239</b>				<b>Daily Drilling Report</b>				<b>DFS: 16</b>					
REPT NO. 19	OPERATOR ANADARKO E&P ONSHORE LLC			FIELD NAME PHANTOM		RIG NAME PRECISION 566		TMD 12,239.0	TVD 11,699.8	FOOTAGE 397.0	ROP 29.4		
SPUD DATE 12/15/2016	API 4230133030		STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION						
CURRENT STATUS ROT/SLIDE DRL 6.125" CURVE @ 12239'				FORMATION WOLFCAMP BETA		ELEV. 2,796.01	DIESEL 1,532.00	MUD LOST(DAY/CUM) \$5975 / \$51,093					
24 HR FORECAST DRL 6.125" CURVE T/ LANDING PT OF 12260' ROT/SLIDE DRL 6.125" LATERAL				LAST SAFETY MEETING 1/17/2017		ACC LST 24 HRS? NO		WELL COST(DAY/CUM) \$43,825 / \$1,525,418					
LAST CASING 7.000 in @ 11,622.0 ft		LKOFF	NEXT CASING 4.500 in @ 17,089.0 ft		LAST BOP TEST 1/15/2017		AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00		SUPERVISOR/DRILLING ENG JUSTIN PAUL/BOBBY WEST				
OPERATE SUMMARY: TIH W/ DIR BHA #8, ROT/SLIDE DRL 6.125" CURVE F/11842' T/ 12239', 397' @ 29 FPH.													
<b>BITS/ BIT OPERATIONS</b>													
BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R
7/2	6.125	BAKER HUGHES /	7161129	5/14	10 25	20 30	302 4800	284	11.842	397.0	13.50	29.4	- - -
7/1	6.125	BAKER HUGHES /	7161129	5/14					11.623 11.842				0-0-X-I-DMF
<b>SURVEY DATA</b>													
Survey Name: Openwire		Survey Tool: MWD+IFR1		Survey Company: PREMIER DIRECTIONAL DRILL				LAST SURVEY@12,161 N/S		-1,297.1	E/W	-372.1	
MD	INCL	AZIMUTH	TVD	SECTION	DLS	MD	INCL	AZIMUTH	TVD	SECTION	DLS		
11,878	67.71	166.95	11,637.1	865.8	8.05	12,067	81.38	167.27	11,686.3	1,047.5	6.50		
11,973	75.27	167.40	11,667.2	955.6	7.97	12,161	85.77	164.44	11,696.8	1,140.8	5.55		
DENS(ppg)	12.6	CGas	/	BGas	MUD DATA		TGas	/	MUD LOST		WATER LOST	0.00	
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND	FC	OIL/WAT	WPS	ES	LIME		
00:00	83.0	20.0/13.0	10.0/22.0/23.0	/14.0	8.70/22.3			73.70/26.30	223,260	578	3.0		
<b>PUMP/HYDRAULICS</b>													
NO.	MAKE OF PUMP		STK(in)	LNR(in)	PUMP OPERATION		SPM	PRESS.(psi)	GPM	AV DC	AV DP		
1	BPMMP		12.000	5.000	DRILLING		52	4800	151				
2	BPMMP		12.000	5.000	DRILLING		52	4800	151				
TOTAL									302				
<b>MUD ADDITIVES</b>													
ITEM			USED	UNITS	ITEM			USED	UNITS				
DRLG FLUIDS ENGR			1	per day	LIME			10	50# SX				
BAROID 41 (ST)			13	US TON	SUSPENTONE			5	50# BAG				
INVERMUL			1	55 GAL DRUM	DRILTREAT			3	5 GAL CAN				
EZ MUL			1	55 GAL DRUM	CALCIUM CHLORIDE POWDER			20	50# BAG				
<b>COMMENTS</b>													
00:00-01:00 - ROT/SLIDE DRL 6.125" CURVE F/12239' T/ 12260', 21' @ 21 FPH.													
01:00-05:30 - ROT/SLIDE DRL 6.125" LATERAL 12260' T/12460', 200' @ 44 FPH.													
<b>OPERATION DETAILS</b>													
HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION								
00:00 - 03:00	3.00	DRLPRC	06 P - TRIPPING	A - BIT/ BHA	TOOH WET (WOULD NOT SLUG) DUE TO PSI INCREASE, L/D MWD, MOTOR, & BIT. HOLE TAKING CORRECT FILL. BIT GRADE: 0-0-NO-A-INGAUGE.  (MOTOR DRAINED FINE, NO VISIBLE PROBLEMS WITH MWD). (MWD PULSER WAS TEST AFTER LAYED DOWN AND WAS IN GOOD WORKING ORDER).								
03:00 - 04:30	1.50	CSGIN2	06 P - TRIPPING	A - BIT/ BHA	M/U BHA #8: RR #7 BIT 6.125" BAKER TD405FX W/ .75 TFA, 5" MPACT, 1.75 FH, (6/7 LOBE 8.0 STG 4.02" BTB, 58" BTG, 59" BTS ) FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, CROSS OVER. ORIENT MWD. TIH T/1500'.								
04:30 - 05:00	0.50	DRLPRC	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	RIG SERVICE.								
05:00 - 10:00	5.00	DRLPRC	06 P - TRIPPING	A - BIT/ BHA	TIH T/11842'. (WASH LAST STD TO BTM).								
10:00 - 17:30	7.50	DRLPRC	02 P - DRILL - ACTUAL	D - MTR/TURBINE DIRECT./HORIZT L	DRILL 6.125" CURVE F/ 11842' - 12005', 163' @ 21 FPH. 10-30 WOB, SPP 4900, GPM 302, 311 MMRPMS, TD RPM 30, DIFF. 300-900, TQ 5-8.  SLIDES: 11861' - 11940' @ HS 11972' - 12005' @ HS								
17:30 - 18:00	0.50	DRLPRC	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	RIG SERVICE.								
18:00 - 00:00	6.00	DRLPRC	02 P - DRILL - ACTUAL	D - MTR/TURBINE DIRECT./HORIZT L	DRILL 6.125" CURVE F/ 12005' - 12239', 234' @ 39' FPH. 10-30 WOB, SPP 4800, GPM 302, 311 MMRPMS, TD RPM 30, DIFF. 300-900, TQ 5-8.  SLIDES: 12005' - 12035' @ HS 12129' - 12179' @ 45L								

**WINS No: J8081****YOKUM UL UNIT 19-4 3H****Date: 01/17/2017****AFE No: 2124239****Daily Drilling Report****DFS: 16**

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: 66

SPUD YOKUM UL UNIT 19-4 #3H 12/15/2016 @ 11:00.  
RIG RELEASED @ 14:00 ON 12/27/2016.  
RE-ENTERED ON PRODUCTION 1/15/2017 @ 04:30.  
RIG RELEASED @ XX:XX ON XX/XX/XXXX.

LAST 5" INSPECTION - 10/9/16  
LAST 4" INSPECTION CAT 3 - 10/25/16  
LAST BHA INSPECTION - 12/5/16

**TUBULAR INVENTORY:**

290 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016 (PRECISION)  
29 JTS 5" 4-1/2" IF HWDP (PRECISION)  
18 JTS 6-1/2" DRILL COLLARS (PRECISION)

758 JTS 4" XT-39 DRILL PIPE (WORKSTRING)  
1 JT 4" FH DRILL PIPE (WORKSTRING)

**CASING STRINGS SET:**

20" CONDUCTOR SET @ 140'  
13 3/8" SURFACE CASING SET @ 1177'  
9 5/8" INTERMEDIATE #1 SET @ 4975'  
KICKOFF POINT @ 11100'  
CURVE LANDED @ XXXXX'  
7" INTERMEDIATE #2 @ 11623'  
TD WELL @ XXXXX  
PRODUCTION CASING @ XXXXX'

Target Line: 11,701' TVD, 90.4° Inc, 163.72° Azi @ 0' VS  
Target Window: 10' above / 20' below  
Target Window CHANGE @ 5:42 on 1/16/2017: 0' above / 30' below, By Beau Sirois.

BHA #1: 17.5" U616 ULTERRA W/ 9-12'S, 9 5/8" MPACT MOTOR 6/7 - 5.0 - 0.13 RPG SET @ 1.5" W/ 16.875" NBS, 16.875" IBS, SHOCK SUB, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 1037'. TOTAL HRS: 8. ROP: 129 FPH. DEPTH IN: 140'. DEPTH OUT: 1177'. REASON PULLED - TD SURFACE. BIT GRADE: 1-2-CT-GA-IN GAUGE.

BHA #2: 12.25" U616 ULTERRA W/ 6-15'S, 7.75" MPACT MOTOR 4/5 - 5.3 - .25 RPG SET @ 1.5" W/ 11.625" NBS, 11.625" IBS, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 3798. TOTAL HRS: 27.5. ROP: 138 FPH. DEPTH IN: 1177'. DEPTH OUT: 4975'. REASON PULLED - TD CSG PT. BIT GRADE: 1-2-CT-GA-INGAUGE.

BHA #3: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 86' BTG, 88' BTS ) 8.125" IBS, 6.75" SHOCK SUB, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 4975' - 5275'. 300' IN 3 HRS @ 100 FPH. REASON PULLED: BHA TORQUED UP DOWN HOLE INCORRECT MWD ORIENTATION. BIT GRADE: 0-0-A-INGAUGE.

BHA #4: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 71' BTG, 72' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 5275' - 8749'. 3474' IN 54 HRS @ 64 FPH. REASON PULLED: P-RATE. BIT GRADE: 2-3-CT-A-WT-INGAUGE.

BHA #5: 8.75" BAKER T607FX W/ 1.05 TFA, 6.75" MPACT MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 4.45' BTB, 59' BTG, 60' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 8749' - 11100'. 2351' IN 39.5 HRS @ 59 FPH. REASON PULLED: KOP. BIT GRADE: 3-3-BT-A-CT-INGAUGE.

BHA #6: 8.75" BAKER TP406FX W/ 1.04 TFA, 6.75" GYRODATA FIXED @ 2.38° ( 4/5 LOBE, 7 STG, 4.10' BTB, 51' BTG, 52' BTS ), NMPC, EVO CARRIER, NMDC, NMFC, CROSS OVER DRILLED F/ 11100' - 11623'. 523' IN 19.5 HRS @ 26 FPH. REASON PULLED: DHT FAILURE RUN 7" CSG, BIT GRADE: 1-4-BT-GA-INGAUGE.

BHA #7: 6.125" BAKER TD405FX W/ 0.75 TFA, 4-3/4" BAKER M1XL-P, 1.83° ( 5/6 LOBE, 9.50 STG ) ( 5.24 BTB, 59' BTG, 60' BTS, 1.03 RPG ), FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, X-O. DRILLED F/ 11623' - 11842', 219' IN 8 HRS @ 27 FPH. BIT GRADE: 0-0-NO-A-INGAUGE.

BHA #8: 6.125" BAKER TD405FX W/ 0.75 TFA, 5" MPACT, 1.75° FH ( 6/7 LOBE, 8.0 STG ) ( 4.02 BTB, 58' BTG, 59' BTS, 1.03 RPG ), FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, X-O. DRILLED F/ 11842' - 1XXXX', XXX' IN XX HRS @ XX FPH. BIT GRADE: X-X-XX-X-INGAUGE.

EYES ON WALK AROUND (NO SPILLS).

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 01/18/2017

AFE No: 2124239

## Daily Drilling Report

DFS: 17

REPT NO. 20	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME PHANTOM	RIG NAME PRECISION 566		TMD 12,239.0	TVD 11,699.8	FOOTAGE	ROP 0.0
SPLIT DATE 12/15/2016	API 4230133030	STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION			
CURRENT STATUS ROT/SLIDE DRL 6.125" LATERAL @ 1XXXX'				FORMATION WOLFCAMP BETA		ELEV. 2,796.01	DIESEL		MUD LOST(DAY/CUM) \$8237 / \$59,330
24 HR FORECAST ROT/SLIDE DRL 6.125" LATERAL T/ ~17089'				LAST SAFETY MEETING 1/18/2017		ACC LST 24 HRS? NO		WELL COST(DAY/CUM) \$37,197 / \$1,562,615	
LAST CASING 7.000 in @ 11,622.0 ft		LKOFF	NEXT CASING 4.500 in @ 17,089.0 ft		LAST BOP TEST 1/15/2017		AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00		SUPERVISOR/DRILLING ENG JUSTIN PAUL/BOBBY WEST

OPERATE SUMMARY: ROT/SLIDE DRL 6.125" CURVE 12239'-12260' LANDING PT, ROT/SLIDE DRL 6.125" LATERAL F/12260' T/ 1XXXX', XXX' @ XXX FPH.

## BITS/ BIT OPERATIONS

BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R
7/2	6.125	BAKER HUGHES /	7161129	5/14					11.842				---

## SURVEY DATA - LAST 10

Survey Name: Openwire		Survey Tool: MWD+IFR1		Survey Company: PREMIER DIRECTIONAL DRILL				LAST SURVEY@12,161 N/S		-1,297.1	E/W	-372.1
MD	INCL	AZIMUTH	TVD	SECTION	DLS	MD	INCL	AZIMUTH	TVD	SECTION	DLS	
11,284	22.71	165.87	11,222.9	462.5	8.92	11,784	60.35	165.00	11,596.0	781.4	8.85	
11,374	29.49	162.04	11,303.7	502.0	7.76	11,878	67.71	166.95	11,637.1	865.8	8.05	
11,463	34.83	155.03	11,379.1	549.1	7.31	11,973	75.27	167.40	11,667.2	955.6	7.97	
11,553	41.33	156.64	11,449.9	604.1	7.31	12,067	81.38	167.27	11,686.3	1,047.5	6.50	
11,690	52.08	163.87	11,543.7	703.3	8.73	12,161	85.77	164.44	11,696.8	1,140.8	5.55	

DENS(ppg)	12.8	CGas	/	BGas		MUD DATA	TGas	/	MUD LOST		WATER LOST	0.00
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND	FC	OIL/WAT	WPS	ES	LIME	
00:00	68.0	19.0/11.0	11.0/20.0/22.0	/12.0	9.80/23.4			75.80/24.20	267,154	769	3.6	

## PUMP/HYDRAULICS

NO.	MAKE OF PUMP	STK(in)	LNR(in)	PUMP OPERATION	SPM	PRESS.(psi)	GPM	AV DC	AV DP
1	BPMMP	12.000	5.000	DRILLING	52		151		
2	BPMMP	12.000	5.000	DRILLING	52		151		
TOTAL							302		

## MUD ADDITIVES

ITEM	USED	UNITS	ITEM	USED	UNITS
DRLG FLUIDS ENGR	1	per day	LIME	40	50# SX
BAROID 41 (ST)	15	US TON	SUSPENTONE	10	50# BAG
INVERMUL	2	55 GAL DRUM	DRILTREAT	4	5 GAL CAN
EZ MUL	1	55 GAL DRUM	CALCIUM CHLORIDE POWDER	45	50# BAG

## COMMENTS

00:00-05:30 - ROT/SLIDE DRL 6.125" LATERAL 1XXXX' T/1XXXX', XXX' @ XXX FPH.

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 01/18/2017

AFE No: 2124239

## Daily Drilling Report

DFS: 17

OPERATION DETAILS					
HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 01:00	1.00	DRLPRC	02 P - DRILL - ACTUAL	D - MTR/TURBINE DIRECT./HORIZT L	DRILL 6.125" CURVE F/ 12239' - 12260', 21' @ 21 FPH. 10-30 WOB, SPP 4900, GPM 302, 253 MMRPMs, TD RPM 30, DIFF. 300-900, TQ 5-8. MUD WEIGHT IN/OUT: 12.7 PPG.  SLIDES: 12239' - 12260' @ HS
01:00 - 05:30	4.50	DRLPRL	02 P - DRILL - ACTUAL	D - MTR/TURBINE DIRECT./HORIZT L	ROTATE DRL 6.125" LATERAL F/12260' T/ 12506', 245' @ 54 FPH. 20-28K WOB, SPP 5,000, GPM 302, 253 MM RPM, TD RPM 60-70, DIFF. 600/1,000, TQ 6/8K. PUMP SWEEPS EVERY 300'. MUD WEIGHT IN/OUT: 12.7 PPG.  SLIDE: 12421'-12441' TF 170R
05:30 - 06:00	0.50	DRLPRL	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	SERVICE RIG.
06:00 - 13:00	7.00	DRLPRL	02 P - DRILL - ACTUAL	D - MTR/TURBINE DIRECT./HORIZT L	ROTATE DRL 6.125" LATERAL F/12506' T/ 12977', 471' @ 67 FPH. 20-28K WOB, SPP 5,150, GPM 302, 253 MM RPM, TD RPM 60-80, DIFF. 600/1,000, TQ 7/9K. PUMP SWEEPS EVERY 300'. MUD WEIGHT IN/OUT: 12.7 PPG.  SLIDE: 12799'-12824' TF 45L
13:00 - 13:30	0.50	DRLPRL	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	SERVICE RIG.
13:30 - 00:00	10.50	DRLPRL	02 P - DRILL - ACTUAL	D - MTR/TURBINE DIRECT./HORIZT L	ROTATE DRL 6.125" LATERAL F/12977' T/ 1XXXX', XXX' @ XX FPH. 20-28K WOB, SPP 5,150, GPM 302, 253 MM RPM, TD RPM 60-80, DIFF. 600/1,000, TQ 7/9K. PUMP SWEEPS EVERY 300'. MUD WEIGHT IN/OUT: 12.7 PPG.  SLIDE: 12977'-13017' TF 15L



**WINS No: J8081****YOKUM UL UNIT 19-4 3H****Date: 01/18/2017****AFE No: 2124239****Daily Drilling Report****DFS: 17**

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: 66

SPUD YOKUM UL UNIT 19-4 #3H 12/15/2016 @ 11:00.  
RIG RELEASED @ 14:00 ON 12/27/2016.  
RE-ENTERED ON PRODUCTION 1/15/2017 @ 04:30.  
RIG RELEASED @ XX:XX ON XX/XX/XXXX.

LAST 5" INSPECTION - 10/9/16  
LAST 4" INSPECTION CAT 3 - 10/25/16  
LAST BHA INSPECTION - 12/5/16

**TUBULAR INVENTORY:**

290 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016 (PRECISION)  
29 JTS 5" 4-1/2" IF HWDP (PRECISION)  
18 JTS 6-1/2" DRILL COLLARS (PRECISION)

758 JTS 4" XT-39 DRILL PIPE (WORKSTRING)  
1 JT 4" FH DRILL PIPE (WORKSTRING)

**CASING STRINGS SET:**

20" CONDUCTOR SET @ 140'  
13 3/8" SURFACE CASING SET @ 1177'  
9 5/8" INTERMEDIATE #1 SET @ 4975'  
KICKOFF POINT @ 11100'  
CURVE LANDED @ XXXXX'  
7" INTERMEDIATE #2 @ 11623'  
TD WELL @ XXXXX  
PRODUCTION CASING @ XXXXX'

Target Line: 11,701' TVD, 90.4° Inc, 163.72° Azi @ 0' VS  
Target Window: 10' above / 20' below  
Target Window CHANGE @ 5:42 on 1/16/2017: 0' above / 30' below, By Beau Sirois.

BHA #1: 17.5" U616 ULTERRA W/ 9-12'S, 9 5/8" MPACT MOTOR 6/7 - 5.0 - 0.13 RPG SET @ 1.5" W/ 16.875" NBS, 16.875" IBS, SHOCK SUB, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 1037'. TOTAL HRS: 8. ROP: 129 FPH. DEPTH IN: 140'. DEPTH OUT: 1177'. REASON PULLED - TD SURFACE. BIT GRADE: 1-2-CT-GA-IN GAUGE.

BHA #2: 12.25" U616 ULTERRA W/ 6-15'S, 7.75" MPACT MOTOR 4/5 - 5.3 - .25 RPG SET @ 1.5" W/ 11.625" NBS, 11.625" IBS, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 3798. TOTAL HRS: 27.5. ROP: 138 FPH. DEPTH IN: 1177'. DEPTH OUT: 4975'. REASON PULLED - TD CSG PT. BIT GRADE: 1-2-CT-GA-INGAUGE.

BHA #3: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 86' BTG, 88' BTS ) 8.125" IBS, 6.75" SHOCK SUB, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 4975' - 5275'. 300' IN 3 HRS @ 100 FPH. REASON PULLED: BHA TORQUED UP DOWN HOLE INCORRECT MWD ORIENTATION. BIT GRADE: 0-0-A-INGAUGE.

BHA #4: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 71' BTG, 72' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 5275' - 8749'. 3474' IN 54 HRS @ 64 FPH. REASON PULLED: P-RATE. BIT GRADE: 2-3-CT-A-WT-INGAUGE.

BHA #5: 8.75" BAKER T607FX W/ 1.05 TFA, 6.75" MPACT MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 4.45' BTB, 59' BTG, 60' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 8749' - 11100'. 2351' IN 39.5 HRS @ 59 FPH. REASON PULLED: KOP. BIT GRADE: 3-3-BT-A-CT-INGAUGE.

BHA #6: 8.75" BAKER TP406FX W/ 1.04 TFA, 6.75" GYRODATA FIXED @ 2.38° ( 4/5 LOBE, 7 STG, 4.10' BTB, 51' BTG, 52' BTS ), NMPC, EVO CARRIER, NMDC, NMFC, CROSS OVER DRILLED F/ 11100' - 11623'. 523' IN 19.5 HRS @ 26 FPH. REASON PULLED: DHT FAILURE RUN 7" CSG, BIT GRADE: 1-4-BT-GA-INGAUGE.

BHA #7: 6.125" BAKER TD405FX W/ 0.75 TFA, 4-3/4" BAKER M1XL-P, 1.83° ( 5/6 LOBE, 9.50 STG ) ( 5.24 BTB, 59' BTG, 60' BTS, 1.03 RPG ), FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, X-O. DRILLED F/ 11623' - 11842', 219' IN 8 HRS @ 27 FPH. BIT GRADE: 0-0-NO-A-INGAUGE.

BHA #8: 6.125" BAKER TD405FX W/ 0.75 TFA, 5" MPACT, 1.75° FH ( 6/7 LOBE, 8.0 STG ) ( 4.02 BTB, 58' BTG, 59' BTS, 1.03 RPG ), FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, X-O. DRILLED F/ 11842' - 1XXXX', XXX' IN XX HRS @ XX FPH. BIT GRADE: X-X-XX-X-INGAUGE.

EYES ON WALK AROUND (NO SPILLS).

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 01/19/2017

AFE No: 2124239

## Daily Drilling Report

DFS: 18

REPT NO. 21	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME PHANTOM	RIG NAME PRECISION 566		TMD 14,538.0	TVD 11,696.9	FOOTAGE 1,128.0	ROP 50.1
SPUD DATE 12/15/2016	API 4230133030	STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION			
CURRENT STATUS ROT/SLIDE DRL 6.125" LATERAL @ 14538'			FORMATION WOLFCAMP BETA		ELEV. 2,796.01	DIESEL 1,961.00	MUD LOST(DAY/CUM) \$6983 / \$66,313		
24 HR FORECAST ROT/SLIDE DRL 6.125" LATERAL T/ ~17089'			LAST SAFETY MEETING 1/19/2017		ACC LST 24 HRS? NO		WELL COST(DAY/CUM) \$55,043 / \$1,618,908		
LAST CASING 7.000 in @ 11,622.0 ft		LKOFF	NEXT CASING 4.500 in @ 17,089.0 ft	LAST BOP TEST 1/15/2017		AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00		SUPERVISOR/DRILLING ENG JUSTIN PAUL/BOBBY WEST	

OPERATE SUMMARY: ROT/SLIDE DRL 6.125" LATERAL F/13410' T/ 14538', 1128' @ 50 FPH.

## BITS/ BIT OPERATIONS

BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R
7/2	6.125	BAKER HUGHES /	7161129	5/14	20 30	60 80	302 5200	314	11.842	2,696.0	59.00	45.7	---

## SURVEY DATA

Survey Name: Openwire		Survey Tool: MWD+IFR1		Survey Company: PREMIER DIRECTIONAL DRILL			LAST SURVEY@14,523 N/S		-3,563.3	E/W	280.6
MD	INCL	AZIMUTH	TVD	SECTION	DLS	MD	INCL	AZIMUTH	TVD	SECTION	DLS
13,483	88.18	164.80	11,710.0	2,461.1	2.71	14,050	91.05	158.82	11,687.1	3,026.9	5.90
13,578	90.09	167.32	11,711.4	2,556.0	3.33	14,145	88.94	166.00	11,687.1	3,121.8	7.88
13,672	90.74	160.93	11,710.8	2,649.9	6.83	14,239	88.59	168.04	11,689.1	3,215.6	2.20
13,766	94.27	164.27	11,706.6	2,743.8	5.17	14,334	87.43	166.69	11,692.4	3,310.4	1.87
13,861	94.77	164.64	11,699.2	2,838.5	0.65	14,428	87.57	165.97	11,696.5	3,404.2	0.78
13,955	94.42	163.30	11,691.6	2,932.2	1.47	14,523	91.49	167.33	11,697.3	3,499.0	4.37

DENS(ppg)	12.9	CGas	/	BGas	MUD DATA		TGas	/	MUD LOST		WATER LOST		0.00
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND	FC	OIL/WAT	WPS	ES	LIME		
00:00	64.0	19.0/13.0	12.0/21.0/23.0	/12.0	9.20/23.8			77.90/22.10	257,778	737	3.8		

## PUMP/HYDRAULICS

NO.	MAKE OF PUMP	STK(in)	LNR(in)	PUMP OPERATION	SPM	PRESS.(psi)	GPM	AV DC	AV DP
1	BPMMP	12.000	5.000	DRILLING	52	5200	151		
2	BPMMP	12.000	5.000	DRILLING	52	5200	151		
TOTAL							302		

## MUD ADDITIVES

ITEM	USED	UNITS	ITEM	USED	UNITS
DRLG FLUIDS ENGR	1	per day	LIME	30	50# SX
SCALE CHARGE	1	1 EACH	TRANSPORTATION	362	1 CWT
BAROID 41 (ST)	7	US TON	SUSPENTONE	15	50# BAG
INVERMUL	1	55 GAL DRUM	DRILTREAT	6	5 GAL CAN
EZ MUL	1	55 GAL DRUM	CALCIUM CHLORIDE POWDER	20	50# BAG

## COMMENTS

00:00-03:30 - ROT/SLIDE DRL 6.125" LATERAL 14538' T/14867', 329' @ 94 FPH.  
03:30-04:00 - RIG SERVICE  
04:00-05:30 - ROT/SLIDE DRL 6.125" LATERAL 14867' T/14902', 35' @ 23 FPH. (ROTATING @ 80-130 FPH, SLIDING 10-20 FPH).

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 01/19/2017

AFE No: 2124239

## Daily Drilling Report

DFS: 18

## OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 03:30	3.50	DRLPRL	02 P - DRILL - ACTUAL	D - MTR/TURBINE DIRECT./HORIZT L	ROTATE DRL 6.125" LATERAL F/13410' T/ 13640', 230' @ 65 FPH. 20-28K WOB, SPP 5,000, GPM 302, 253 MM RPM, TD RPM 60-70, DIFF. 600/1,000, TQ 6/9.5K. PUMP SWEEPS EVERY 300'. MUD WEIGHT IN/OUT: 12.7 PPG.  SLIDE: 13557'-13575' TF 20R
03:30 - 04:00	0.50	DRLPRL	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	SERVICE RIG.
04:00 - 09:00	5.00	DRLPRL	02 P - DRILL - ACTUAL	D - MTR/TURBINE DIRECT./HORIZT L	ROTATE DRL 6.125" LATERAL F/13640' T/ 13923', 283' @ 56 FPH. 20-28K WOB, SPP 5,100, GPM 302, 253 MM RPM, TD RPM 60-80, DIFF. 600/1,000, TQ 7/9K. PUMP SWEEPS EVERY 300'. MUD WEIGHT IN/OUT: 12.8 PPG.  SLIDE: 13734'-13761' TF 45R
09:00 - 09:30	0.50	DRLPRL	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	SERVICE RIG. TROUBLE SHOOT OIL LEAK @ DWS.
09:30 - 10:00	0.50	DRLPRL	08 P - RIG REPAIR	A - GENERAL RIG EQUIPMENT	C/O HYD OIL LINE @ DWS.
10:00 - 00:00	14.00	DRLPRL	02 P - DRILL - ACTUAL	D - MTR/TURBINE DIRECT./HORIZT L	ROTATE DRL 6.125" LATERAL F/13923' T/ 14538', 615' @ 43 FPH. 20-28K WOB, SPP 5,200, GPM 302, 253 MM RPM, TD RPM 60-80, DIFF. 600/1,000, TQ 7/9K. PUMP SWEEPS EVERY 300'. MUD WEIGHT IN/OUT: 12.9 PPG.  SLIDE: 13923'-14027' TF 150R 14112'-14152' TF 110R 14500'-14538' TF HS

**WINS No: J8081****YOKUM UL UNIT 19-4 3H****Date: 01/19/2017****AFE No: 2124239****Daily Drilling Report****DFS: 18**

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: 66

SPUD YOKUM UL UNIT 19-4 #3H 12/15/2016 @ 11:00.  
RIG RELEASED @ 14:00 ON 12/27/2016.  
RE-ENTERED ON PRODUCTION 1/15/2017 @ 04:30.  
RIG RELEASED @ XX:XX ON XX/XX/XXXX.

LAST 5" INSPECTION - 10/9/16  
LAST 4" INSPECTION CAT 3 - 10/25/16  
LAST BHA INSPECTION - 12/5/16

**TUBULAR INVENTORY:**

290 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016 (PRECISION)  
29 JTS 5" 4-1/2" IF HWDP (PRECISION)  
18 JTS 6-1/2" DRILL COLLARS (PRECISION)

758 JTS 4" XT-39 DRILL PIPE (WORKSTRING)  
1 JT 4" FH DRILL PIPE (WORKSTRING)

**CASING STRINGS SET:**

20" CONDUCTOR SET @ 140'  
13 3/8" SURFACE CASING SET @ 1177'  
9 5/8" INTERMEDIATE #1 SET @ 4975'  
KICKOFF POINT @ 11100'  
CURVE LANDED @ XXXXX'  
7" INTERMEDIATE #2 @ 11623'  
TD WELL @ XXXXX  
PRODUCTION CASING @ XXXXX'

Target Line: 11,701' TVD, 90.4° Inc, 163.72° Azi @ 0' VS  
Target Window: 10' above / 20' below  
Target Window CHANGE #1 @ 05:42 on 1/16/2017: 0' above / 40' below, By Beau Sirois.  
Target Window CHANGE #2 @ 08:30 on 1/19/2017: 5' above / 35' below, By Beau Sirois.

BHA #1: 17.5" U616 ULTERRA W/ 9-12'S, 9 5/8" MPACT MOTOR 6/7 - 5.0 - 0.13 RPG SET @ 1.5" W/ 16.875" NBS, 16.875" IBS, SHOCK SUB, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 1037'. TOTAL HRS: 8. ROP: 129 FPH. DEPTH IN: 140'. DEPTH OUT: 1177'. REASON PULLED - TD SURFACE. BIT GRADE: 1-2-CT-GA-IN GAUGE.

BHA #2: 12.25" U616 ULTERRA W/ 6-15's, 7.75" MPACT MOTOR 4/5 - 5.3 - .25 RPG SET @ 1.5" W/ 11.625" NBS, 11.625" IBS, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 3798. TOTAL HRS: 27.5. ROP: 138 FPH. DEPTH IN: 1177'. DEPTH OUT: 4975'. REASON PULLED - TD CSG PT. BIT GRADE: 1-2-CT-GA-INGAUGE.

BHA #3: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 86' BTG, 88' BTS ) 8.125" IBS, 6.75" SHOCK SUB, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 4975' - 5275'. 300' IN 3 HRS @ 100 FPH. REASON PULLED: BHA TORQUED UP DOWN HOLE INCORRECT MWD ORIENTATION. BIT GRADE: 0-0-A-INGAUGE.

BHA #4: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 71' BTG, 72' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 5275' - 8749'. 3474' IN 54 HRS @ 64 FPH. REASON PULLED: P-RATE. BIT GRADE: 2-3-CT-A-WT-INGAUGE.

BHA #5: 8.75" BAKER T607FX W/ 1.05 TFA, 6.75" MPACT MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 4.45' BTB, 59' BTG, 60' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 8749' - 11100'. 2351' IN 39.5 HRS @ 59 FPH. REASON PULLED: KOP. BIT GRADE: 3-3-BT-A-CT-INGAUGE.

BHA #6: 8.75" BAKER TP406FX W/ 1.04 TFA, 6.75" GYRODATA FIXED @ 2.38° ( 4/5 LOBE, 7 STG, 4.10' BTB, 51' BTG, 52' BTS ), NMPC, EVO CARRIER, NMDC, NMFC, CROSS OVER DRILLED F/ 11100' - 11623'. 523' IN 19.5 HRS @ 26 FPH. REASON PULLED: DHT FAILURE RUN 7" CSG, BIT GRADE: 1-4-BT-GA-INGAUGE.

BHA #7: 6.125" BAKER TD405FX W/ 0.75 TFA, 4-3/4" BAKER M1XL-P, 1.83° ( 5/6 LOBE, 9.50 STG ) ( 5.24 BTB, 59' BTG, 60' BTS, 1.03 RPG ), FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, X-O. DRILLED F/ 11623' - 11842', 219' IN 8 HRS @ 27 FPH. BIT GRADE: 0-0-NO-A-INGAUGE.

BHA #8: 6.125" BAKER TD405FX W/ 0.75 TFA, 5" MPACT, 1.75° FH ( 6/7 LOBE, 8.0 STG ) ( 4.02 BTB, 58' BTG, 59' BTS, 1.03 RPG ), FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, X-O. DRILLED F/ 11842' - 1XXXX', XXX' IN XX HRS @ XX FPH. BIT GRADE: X-X-XX-X-INGAUGE.

EYES ON WALK AROUND (NO SPILLS).

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 01/20/2017

AFE No: 2124239

## Daily Drilling Report

DFS: 19

REPT NO. 22	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME PHANTOM	RIG NAME PRECISION 566		TMD 14,969.0	TVD 11,694.6	FOOTAGE 431.0	ROP 71.8
SPUD DATE 12/15/2016	API 4230133030	STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION			
CURRENT STATUS TIH W/ BHA #9 T/14969'			FORMATION WOLFCAMP BETA		ELEV. 2,796.01	DIESEL 1,719.00	MUD LOST(DAY/CUM) \$6508 / \$72,821		
24 HR FORECAST ROT/SLIDE DRL 6.125" LATERAL T/ ~17089'			LAST SAFETY MEETING 1/20/2017		ACC LST 24 HRS? NO		WELL COST(DAY/CUM) \$45,958 / \$1,664,866		
LAST CASING 7.000 in @ 11,622.0 ft		LKOFF	NEXT CASING 4.500 in @ 17,089.0 ft		LAST BOP TEST 1/15/2017		AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00		SUPERVISOR/DRILLING ENG JUSTIN PAUL/BOBBY WEST

OPERATE SUMMARY: ROT/SLIDE DRL 6.125" LATERAL F/14538' T/ 14969', 431' @ 71 FPH, TROUBLE SHOOT MWD, PUMP SWEEP & CIRCULATE HOLE CLEAN, TOOH DUE TO MWD FAILURE, L/D BHA #8, P/U BHA #9 TIH T/ 14969'.

## BITS/ BIT OPERATIONS

BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R
8/1	6.125	BAKER HUGHES /	7160807	5/14					14,969 17,005				---
7/2	6.125	BAKER HUGHES /	7161129	5/14	20 30	60 80	302 5200	314	11,842 14,969	3,127.0	65.00	48.1	1-1-X-I-DTF

## SURVEY DATA

Survey Name: Openwire		Survey Tool: MWD+IFR1		Survey Company: PREMIER DIRECTIONAL DRILL				LAST SURVEY@14,922 N/S		-3,950.0	E/W	374.8
MD	INCL	AZIMUTH	TVD	SECTION	DLS	MD	INCL	AZIMUTH	TVD	SECTION	DLS	
14,617	91.63	166.34	11,694.7	3,592.1	1.06	14,805	87.55	166.10	11,694.6	3,779.8	3.44	
14,711	90.52	167.37	11,693.0	3,685.9	1.61	14,922	91.46	163.87	11,695.6	3,896.7	3.85	

DENS(ppg)	12.8	CGas	/	BGas	MUD DATA		TGas	/	MUD LOST	WATER LOST		0.00
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND	FC	OIL/WAT	WPS	ES	LIME	
00:00	68.0	18.0/12.0	12.0/20.0/22.0	/12.0	10.60/24.3			79.70/20.30	270,410	761	3.6	

## PUMP/HYDRAULICS

NO.	MAKE OF PUMP	STK(in)	LNR(in)	PUMP OPERATION	SPM	PRESS.(psi)	GPM	AV DC	AV DP
1	BPMMP	12.000	5.000	DRILLING	52	5200	151		
2	BPMMP	12.000	5.000	DRILLING	52	5200	151		
TOTAL							302		

## MUD ADDITIVES

ITEM	USED	UNITS	ITEM	USED	UNITS
DRLG FLUIDS ENGR	1	per day	LIME	10	50# SX
BAROID 41 (ST)	19	US TON	SUSPENTONE	10	50# BAG
DRILTREAT	7	5 GAL CAN	CALCIUM CHLORIDE POWDER	15	50# BAG

## COMMENTS

00:00-04:30 - ROT/SLIDE DRL 6.125" LATERAL 14969' T/15268', 299' @ 66 FPH.  
 04:30-05:00 - RIG SERVICE  
 05:00-05:30 - ROT/SLIDE DRL 6.125" LATERAL 15268' T/15334', 66' @ 132 FPH. (ROTATING @ 100-150 FPH, SLIDING 25-45 FPH).

## OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 03:30	3.50	DRLPRL	02 P - DRILL - ACTUAL	D - MTR/TURBINE DIRECT./HORIZT L	ROTATE DRL 6.125" LATERAL F/14538' T/ 14867', 329' @ 94 FPH. 20-30K WOB, SPP 5,200, GPM 302, 253 MM RPM, TD RPM 60-80, DIFF. 600/1,000, TQ 7/10K. PUMP SWEEPS EVERY 300'. MUD WEIGHT IN/OUT: 12.9 PPG.
03:30 - 04:00	0.50	DRLPRL	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	SERVICE RIG.
04:00 - 06:30	2.50	DRLPRL	02 P - DRILL - ACTUAL	D - MTR/TURBINE DIRECT./HORIZT L	ROTATE DRL 6.125" LATERAL F/14867' T/ 14969', 102' @ 40 FPH. 20-30K WOB, SPP 5,200, GPM 302, 253 MM RPM, TD RPM 60-80, DIFF. 600/1,000, TQ 7/10K. PUMP SWEEPS EVERY 300'. MUD WEIGHT IN/OUT: 12.9 PPG.  SLIDE: 14877'-14902' TF 30L
06:30 - 07:30	1.00	DRLPRL	05 P - CIRC & COND MUD	C - PRIOR TO TRIP	TROUBLE SHOOT MWD, C/O SURFACE EQUIPMENT, DOWN LINK TO RE-SET MWD, DOWN LINK TO TURN ON STRAIGHT E.M., MWD FAILED.
07:30 - 09:00	1.50	DRLPRL	05 P - CIRC & COND MUD	C - PRIOR TO TRIP	PUMP SWEEP CIRCULATE HOLE CLEAN DUE TO MWD FAILURE. FLOW CHECK - STATIC, PUMP SLUG.
09:00 - 15:00	6.00	DRLPRL	06 P - TRIPPING	H - TOOL FAILURE	TOOH DUE TO MWD FAILURE L/D BHA #8, HOLE TOOK CORRECT FILL. BIT GRADE: 1-1-CT-N-INGAUGE
15:00 - 00:00	9.00	DRLPRL	06 P - TRIPPING	H - TOOL FAILURE	M/U BHA #8: RR #7 BIT 6.125" BAKER TD405FX W/ .75 TFA, 5" MPACT, 1.75 FH, (6/7 LOBE 8.0 STG 4.02" BTB, 58" BTG, 59" BTS ) FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, CROSS OVER. ORIENT MWD. TIH T/2303', TEST MWD, P/U AGITATOR, CONTINUE TOOH T/14969'. WASH LAST STAND TO BTM.

**WINS No: J8081****YOKUM UL UNIT 19-4 3H****Date: 01/20/2017****AFE No: 2124239****Daily Drilling Report****DFS: 19**

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: 66

SPUD YOKUM UL UNIT 19-4 #3H 12/15/2016 @ 11:00.  
RIG RELEASED @ 14:00 ON 12/27/2016.  
RE-ENTERED ON PRODUCTION 1/15/2017 @ 04:30.  
RIG RELEASED @ XX:XX ON XX/XX/XXXX.

LAST 5" INSPECTION - 10/9/16  
LAST 4" INSPECTION CAT 3 - 10/25/16  
LAST BHA INSPECTION - 12/5/16

TUBULAR INVENTORY:

290 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016 (PRECISION)  
29 JTS 5" 4-1/2" IF HWDP (PRECISION)  
18 JTS 6-1/2" DRILL COLLARS (PRECISION)

758 JTS 4" XT-39 DRILL PIPE (WORKSTRING)  
1 JT 4" FH DRILL PIPE (WORKSTRING)

CASING STRINGS SET:

20" CONDUCTOR SET @ 140'  
13 3/8" SURFACE CASING SET @ 1177'  
9 5/8" INTERMEDIATE #1 SET @ 4975'  
KICKOFF POINT @ 11100'  
CURVE LANDED @ XXXXX'  
7" INTERMEDIATE #2 @ 11623'  
TD WELL @ XXXXX  
PRODUCTION CASING @ XXXXX'

Target Line: 11,701' TVD, 90.4° Inc, 163.72° Azi @ 0' VS  
Target Window: 10' above / 20' below  
Target Window CHANGE #1 @ 05:42 on 1/16/2017: 0' above / 40' below, By Beau Sirois.  
Target Window CHANGE #2 @ 08:30 on 1/19/2017: 5' above / 35' below, By Beau Sirois.

BHA #1: 17.5" U616 ULTERRA W/ 9-12'S, 9 5/8" MPACT MOTOR 6/7 - 5.0 - 0.13 RPG SET @ 1.5" W/ 16.875" NBS, 16.875" IBS, SHOCK SUB, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 1037'. TOTAL HRS: 8. ROP: 129 FPH. DEPTH IN: 140'. DEPTH OUT: 1177'. REASON PULLED - TD SURFACE. BIT GRADE: 1-2-CT-GA-IN GAUGE.

BHA #2: 12.25" U616 ULTERRA W/ 6-15'S, 7.75" MPACT MOTOR 4/5 - 5.3 - .25 RPG SET @ 1.5" W/ 11.625" NBS, 11.625" IBS, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 3798. TOTAL HRS: 27.5. ROP: 138 FPH. DEPTH IN: 1177'. DEPTH OUT: 4975'. REASON PULLED - TD CSG PT. BIT GRADE: 1-2-CT-GA-INGAUGE.

BHA #3: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 86' BTG, 88' BTS ) 8.125" IBS, 6.75" SHOCK SUB, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 4975' - 5275'. 300' IN 3 HRS @ 100 FPH. REASON PULLED: BHA TORQUED UP DOWN HOLE INCORRECT MWD ORIENTATION. BIT GRADE: 0-0-A-INGAUGE.

BHA #4: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 71' BTG, 72' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 5275' - 8749'. 3474' IN 54 HRS @ 64 FPH. REASON PULLED: P-RATE. BIT GRADE: 2-3-CT-A-WT-INGAUGE.

BHA #5: 8.75" BAKER T607FX W/ 1.05 TFA, 6.75" MPACT MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 4.45' BTB, 59' BTG, 60' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 8749' - 11100'. 2351' IN 39.5 HRS @ 59 FPH. REASON PULLED: KOP. BIT GRADE: 3-3-BT-A-CT-INGAUGE.

BHA #6: 8.75" BAKER TP406FX W/ 1.04 TFA, 6.75" GYRODATA FIXED @ 2.38° ( 4/5 LOBE, 7 STG, 4.10' BTB, 51' BTG, 52' BTS ), NMPC, EVO CARRIER, NMDC, NMFC, CROSS OVER DRILLED F/ 11100' - 11623'. 523' IN 19.5 HRS @ 26 FPH. REASON PULLED: DHT FAILURE RUN 7" CSG, BIT GRADE: 1-4-BT-GA-INGAUGE.

BHA #7: 6.125" BAKER TD405FX W/ 0.75 TFA, 4-3/4" BAKER M1XL-P, 1.83° ( 5/6 LOBE, 9.50 STG ) ( 5.24 BTB, 59' BTG, 60' BTS, 1.03 RPG ), FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, X-O. DRILLED F/ 11623' - 11842', 219' IN 8 HRS @ 27 FPH. BIT GRADE: 0-0-NO-A-INGAUGE.

BHA #8: 6.125" BAKER TD405FX W/ 0.75 TFA, 5" MPACT, 1.75° FH ( 6/7 LOBE, 8.0 STG ) ( 4.02 BTB, 58' BTG, 59' BTS, 1.03 RPG ), FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, X-O. DRILLED F/ 11842' - 14969', 3127' IN 65 HRS @ 48 FPH. BIT GRADE: 1-1-CT-N-INGAUGE.

BHA #9: 6.125" BAKER TD405FX W/ 0.75 TFA, 5" MPACT, 1.75° FH ( 6/7 LOBE, 8.0 STG ) ( 4.02 BTB, 58' BTG, 59' BTS, 1.03 RPG ), FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, X-O. DRILLED F/ 14969' - 1XXXX', XXX' IN XX HRS @ XX FPH. BIT GRADE: X-X-X-X-INGAUGE.

EYES ON WALK AROUND (NO SPILLS).

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 01/21/2017

AFE No: 2124239

## Daily Drilling Report

DFS: 20

REPT NO. 23	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME PHANTOM	RIG NAME PRECISION 566		TMD 17,005.0	TVD 11,685.8	FOOTAGE 2,036.0	ROP 90.5
SPLIT DATE 12/15/2016	API 4230133030	STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION			
CURRENT STATUS CIRCULATE HOLE CLEAN PRIOR TO TOOH FOR 4.5" LINER.				FORMATION WOLFCAMP BETA		ELEV. 2,796.01	DIESEL 2,048.00	MUD LOST(DAY/CUM) \$6749 / \$79,570	
24 HR FORECAST PS, CIRCULATE HOLE CLEAN, TOOH FOR 4.5" LINER L/D DIR TOOLS, R/U & RL				LAST SAFETY MEETING 1/21/2017		ACC LST 24 HRS? NO		WELL COST(DAY/CUM) \$43,444 / \$1,708,310	
LAST CASING 7.000 in @ 11,622.0 ft		LKOFF	NEXT CASING 4.500 in @ 17,089.0 ft		LAST BOP TEST 1/15/2017		AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00		SUPERVISOR/DRILLING ENG JUSTIN PAUL/BOBBY WEST

OPERATE SUMMARY: ROT/SLIDE DRL 6.125" LATERAL F/14969' T/ 17005', 2036' @ 90 FPH. PUMP SWEEPS CIRCULATE HOLE CLEAN PRIOR TO 4.5" CSG RUN.

## BITS/ BIT OPERATIONS

BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R
8/1	6.125	BAKER HUGHES /	7160807	5/14	20 30	60 80	266 5800	303	14.969 17.005	2,036.0	22.50	90.5	1-1-F-I-TD

## SURVEY DATA

Survey Name: Openwire		Survey Tool: MWD+IFR1		Survey Company: PREMIER DIRECTIONAL DRILL		LAST SURVEY@17,005 N/S				-5,940.9	E/W	957.5
MD	INCL	AZIMUTH	TVD	SECTION	DLS	MD	INCL	AZIMUTH	TVD	SECTION	DLS	
15,016	90.30	166.78	11,694.3	3,986.3	3.33	16,057	89.45	166.50	11,675.3	5,025.0	0.59	
15,111	89.56	158.61	11,694.4	4,081.2	8.64	16,151	88.67	166.00	11,676.8	5,118.9	0.99	
15,206	93.34	157.89	11,692.0	4,175.7	4.05	16,247	88.54	166.62	11,679.1	5,214.8	0.66	
15,300	93.70	157.05	11,686.2	4,269.0	0.97	16,341	87.72	166.72	11,682.2	5,308.6	0.88	
15,395	90.22	160.96	11,683.0	4,363.6	5.51	16,436	88.80	163.78	11,685.1	5,403.5	3.30	
15,490	90.52	161.63	11,682.4	4,458.5	0.77	16,531	88.66	164.15	11,687.2	5,498.5	0.42	
15,584	90.73	161.71	11,681.3	4,552.4	0.24	16,625	90.92	164.90	11,687.5	5,592.5	2.53	
15,679	91.17	162.42	11,679.8	4,647.4	0.88	16,720	91.18	166.34	11,685.8	5,687.4	1.54	
15,773	91.61	162.99	11,677.5	4,741.3	0.77	16,814	90.68	168.09	11,684.3	5,781.2	1.94	
15,867	91.27	160.48	11,675.1	4,835.2	2.69	16,909	89.18	170.41	11,684.4	5,875.8	2.91	
15,962	89.56	167.05	11,674.4	4,930.2	7.15	17,005	89.18	170.41	11,685.8	5,971.1	0.00	

DENS(ppg)	13.0	CGas	/	BGas	MUD DATA		TGas	/	MUD LOST		WATER LOST		0.00
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND	FC	OIL/WAT	WPS	ES	LIME		
00:00	68.0	19.0/11.0	12.0/21.0/23.0	/13.0	10.10/24.8			80.30/19.70	276,933	719	3.5		

## PUMP/HYDRAULICS

NO.	MAKE OF PUMP	STK(in)	LNR(in)	PUMP OPERATION	SPM	PRESS.(psi)	GPM	AV DC	AV DP
1	BPMMP	12.000	5.000	DRILLING	47	5800	137		
2	BPMMP	12.000	5.000	DRILLING	48	5800	140		
TOTAL							276		

## MUD ADDITIVES

ITEM	USED	UNITS	ITEM	USED	UNITS
DRLG FLUIDS ENGR	1	per day	LIME	30	50# SX
SCALE CHARGE	1	1 EACH	TRANSPORTATION	405	1 CWT
BAROID 41 (ST)	15	US TON	SUSPENTONE	10	50# BAG
DRILTREAT	5	5 GAL CAN	CALCIUM CHLORIDE POWDER	30	50# BAG

## COMMENTS

00:00-03:30 PUMP WEIGHTED SWEEPS, & CIRCULATE HOLE CLEAN PRIOR TO TOOH FOR 4.5" LINER.  
 03:30-05:30 TOOH FOR 4.5" LINER @ 12700'.

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 01/21/2017

AFE No: 2124239

Daily Drilling Report

DFS: 20

## OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 04:30	4.50	DRLPRL	02 P - DRILL - ACTUAL	D - MTR/TURBINE DIRECT./HORIZT L	ROTATE DRL 6.125" LATERAL F/14969' T/ 15268', 299' @ 66 FPH. 20-30K WOB, SPP 5,600, GPM 266, 223 MM RPM, TD RPM 60-80, DIFF. 600/1,000, TQ 7/10K. PUMP SWEEPS EVERY 300'. MUD WEIGHT IN/OUT: 12.9 PPG.  SLIDE: 15088'-15112' TF 90L 15188'-15212 TF 30R
04:30 - 05:00	0.50	DRLPRL	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	SERVICE RIG.
05:00 - 17:00	12.00	DRLPRL	02 P - DRILL - ACTUAL	D - MTR/TURBINE DIRECT./HORIZT L	ROTATE DRL 6.125" LATERAL F/15268' T/ 16403', 1135' @ 94 FPH. 20-30K WOB, SPP 5,750, GPM 266, 223 MM RPM, TD RPM 60-80, DIFF. 600/1,000, TQ 7/11K. PUMP SWEEPS EVERY 300'. MUD WEIGHT IN/OUT: 12.9 PPG.  SLIDE: 15362'-15400' TF 120R 15929'-15959' TF 120R
17:00 - 17:30	0.50	DRLPRL	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	SERVICE RIG.
17:30 - 23:30	6.00	DRLPRL	02 P - DRILL - ACTUAL	D - MTR/TURBINE DIRECT./HORIZT L	ROTATE DRL 6.125" LATERAL F/16403' T/ 17005', 602' @ 100 FPH. 20-30K WOB, SPP 5,800, GPM 266, 223 MM RPM, TD RPM 60-80, DIFF. 600/1,000, TQ 7/11K. PUMP SWEEPS EVERY 300'. MUD WEIGHT IN/OUT: 13.0 PPG.  SLIDE: 16604'-16416' TF HS
23:30 - 00:00	0.50	DRLPRL	05 P - CIRC & COND MUD	C - PRIOR TO TRIP	PUMP SWEEP & CIRCULATE HOLE CLEAN PRIOR TO TOOH FOR 4.5" LINER.



**WINS No: J8081****YOKUM UL UNIT 19-4 3H****Date: 01/21/2017****AFE No: 2124239****Daily Drilling Report****DFS: 20**

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: 66

SPUD YOKUM UL UNIT 19-4 #3H 12/15/2016 @ 11:00.  
RIG RELEASED @ 14:00 ON 12/27/2016.  
RE-ENTERED ON PRODUCTION 1/15/2017 @ 04:30.  
RIG RELEASED @ XX:XX ON XX/XX/XXXX.

LAST 5" INSPECTION - 1/19/2017, (288 OUT OF 290 JOINTS REJECTED DUE TO PITTING).  
LAST 4" INSPECTION CAT 3 - 10/25/16  
LAST BHA INSPECTION - 12/5/16

TUBULAR INVENTORY:

0 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016 (PRECISION) 288 OF 290 JTS REJECTED ON INSPECTION SENT TO PD YARD ON 1/20/2017.  
29 JTS 5" 4-1/2" IF HWDP (PRECISION)  
18 JTS 6-1/2" DRILL COLLARS (PRECISION)

755 JTS 4" XT-39 DRILL PIPE (WORKSTRING)  
1 JT 4" FH DRILL PIPE (WORKSTRING)

CASING STRINGS SET:

20" CONDUCTOR SET @ 140'  
13 3/8" SURFACE CASING SET @ 1177'  
9 5/8" INTERMEDIATE #1 SET @ 4975'  
KICKOFF POINT @ 11100'  
CURVE LANDED @ XXXXX'  
7" INTERMEDIATE #2 @ 11623'  
TD WELL @ 17005'  
PRODUCTION CASING @ XXXXX'

Target Line: 11,701' TVD, 90.4° Inc, 163.72° Azi @ 0' VS  
Target Window: 10' above / 20' below  
Target Window CHANGE #1 @ 05:42 on 1/16/2017: 0' above / 40' below, By Beau Sirois.  
Target Window CHANGE #2 @ 08:30 on 1/19/2017: 5' above / 35' below, By Beau Sirois.

BHA #1: 17.5" U616 ULTERRA W/ 9-12'S, 9 5/8" MPACT MOTOR 6/7 - 5.0 - 0.13 RPG SET @ 1.5" W/ 16.875" NBS, 16.875" IBS, SHOCK SUB, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 1037'. TOTAL HRS: 8. ROP: 129 FPH. DEPTH IN: 140'. DEPTH OUT: 1177'. REASON PULLED - TD SURFACE. BIT GRADE: 1-2-CT-GA-IN GAUGE.

BHA #2: 12.25" U616 ULTERRA W/ 6-15'S, 7.75" MPACT MOTOR 4/5 - 5.3 - .25 RPG SET @ 1.5" W/ 11.625" NBS, 11.625" IBS, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 3798. TOTAL HRS: 27.5. ROP: 138 FPH. DEPTH IN: 1177'. DEPTH OUT: 4975'. REASON PULLED - TD CSG PT. BIT GRADE: 1-2-CT-GA-INGAUGE.

BHA #3: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 86' BTG, 88' BTS ) 8.125" IBS, 6.75" SHOCK SUB, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 4975' - 5275'. 300' IN 3 HRS @ 100 FPH. REASON PULLED: BHA TORQUED UP DOWN HOLE INCORRECT MWD ORIENTATION. BIT GRADE: 0-0-A-INGAUGE.

BHA #4: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 71' BTG, 72' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 5275' - 8749'. 3474' IN 54 HRS @ 64 FPH. REASON PULLED: P-RATE. BIT GRADE: 2-3-CT-A-WT-INGAUGE.

BHA #5: 8.75" BAKER T607FX W/ 1.05 TFA, 6.75" MPACT MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 4.45' BTB, 59' BTG, 60' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 8749' - 11100'. 2351' IN 39.5 HRS @ 59 FPH. REASON PULLED: KOP. BIT GRADE: 3-3-BT-A-CT-INGAUGE.

BHA #6: 8.75" BAKER TP406FX W/ 1.04 TFA, 6.75" GYRODATA FIXED @ 2.38° ( 4/5 LOBE, 7 STG, 4.10' BTB, 51' BTG, 52' BTS ), NMPC, EVO CARRIER, NMDC, NMFC, CROSS OVER DRILLED F/ 11100' - 11623'. 523' IN 19.5 HRS @ 26 FPH. REASON PULLED: DHT FAILURE RUN 7" CSG, BIT GRADE: 1-4-BT-GA-INGAUGE.

BHA #7: 6.125" BAKER TD405FX W/ 0.75 TFA, 4-3/4" BAKER M1XL-P, 1.83° ( 5/6 LOBE, 9.50 STG ) ( 5.24 BTB, 59' BTG, 60' BTS, 1.03 RPG ), FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, X-O. DRILLED F/ 11623' - 11842', 219' IN 8 HRS @ 27 FPH. BIT GRADE: 0-0-NO-A-INGAUGE.

BHA #8: 6.125" BAKER TD405FX W/ 0.75 TFA, 5" MPACT, 1.75° FH ( 6/7 LOBE, 8.0 STG ) ( 4.02 BTB, 58' BTG, 59' BTS, 1.03 RPG ), FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, X-O. DRILLED F/ 11842' - 14969', 3127' IN 65 HRS @ 48 FPH. BIT GRADE: 1-1-CT-N-INGAUGE.

BHA #9: 6.125" BAKER TD405FX W/ 0.75 TFA, 5" MPACT, 1.75° FH ( 6/7 LOBE, 8.0 STG ) ( 4.02 BTB, 58' BTG, 59' BTS, 1.03 RPG ), FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, X-O. DRILLED F/ 14969' - 1XXXX', XXX' IN XX HRS @ XX FPH. BIT GRADE: X-X-X-X-INGAUGE.

EYES ON WALK AROUND (NO SPILLS).

<b>WINS No: J8081</b>				<b>YOKUM UL UNIT 19-4 3H</b>				<b>Date: 01/22/2017</b>					
<b>AFE No: 2124239</b>				<b>Daily Drilling Report</b>				<b>DFS: 21</b>					
REPT NO. 24	OPERATOR ANADARKO E&P ONSHORE LLC			FIELD NAME PHANTOM		RIG NAME PRECISION 566		TMD 17,005.0	TVD 11,685.8	FOOTAGE	ROP 0.0		
SPLIT DATE 12/15/2016	API 4230133030		STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION						
CURRENT STATUS TIH W/ 4.5" LINER @ 9600'.				FORMATION WOLFCAMP BETA		ELEV. 2,796.01	DIESEL 774.00	MUD LOST(DAY/CUM) \$1741 / \$81,310					
24 HR FORECAST CEMENTERS, SET HANGER & RELEASE, CEMENT 4.5" LINER, DISPLACE & TI				LAST SAFETY MEETING 1/22/2017		ACC LST 24 HRS? NO		WELL COST(DAY/CUM) \$126,626 / \$1,834,936					
LAST CASING 7.000 in @ 11,622.0 ft		LKOFF	NEXT CASING 4.500 in @ 17,089.0 ft		LAST BOP TEST 1/15/2017		AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00		SUPERVISOR/DRILLING ENG JUSTIN PAUL/BOBBY WEST				
OPERATE SUMMARY: CIRCULATE HOLE CLEAN PRIOR TO TOOH FOR LINER, TOOH L/D 5800' OF 4" DP & DIR BHA, R/U & RUN 4.5" LINER, TIH W/ LINER T/9170'.													
<b>BITS/ BIT OPERATIONS</b>													
BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R
<b>SURVEY DATA - LAST 10</b>													
Survey Name: Openwire		Survey Tool: MWD+IFR1		Survey Company: PREMIER DIRECTIONAL DRILL				LAST SURVEY@17,005 N/S		-5,940.9	E/W	957.5	
MD	INCL	AZIMUTH	TVD	SECTION	DLS	MD	INCL	AZIMUTH	TVD	SECTION	DLS		
16,151	88.67	166.00	11,676.8	5,118.9	0.99	16,625	90.92	164.90	11,687.5	5,592.5	2.53		
16,247	88.54	166.62	11,679.1	5,214.8	0.66	16,720	91.18	166.34	11,685.8	5,687.4	1.54		
16,341	87.72	166.72	11,682.2	5,308.6	0.88	16,814	90.68	168.09	11,684.3	5,781.2	1.94		
16,436	88.80	163.78	11,685.1	5,403.5	3.30	16,909	89.18	170.41	11,684.4	5,875.8	2.91		
16,531	88.66	164.15	11,687.2	5,498.5	0.42	17,005	89.18	170.41	11,685.8	5,971.1	0.00		
DENS(ppg)	13.2		CGas	/	BGas	MUD DATA		TGas	/	MUD LOST	WATER LOST		0.00
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND	FC	OIL/WAT	WPS	ES	LIME		
00:00	75.0	20.0/11.0	12.0/22.0/23.0	/13.0	10.00/25.4			80.10/19.90	271,264	719	3.4		
<b>PUMP/HYDRAULICS</b>													
NO.	MAKE OF PUMP		STK(in)	LNR(in)	PUMP OPERATION		SPM	PRESS.(psi)	GPM	AV DC	AV DP		
1	BPMMP		12.000	5.000									
2	BPMMP		12.000										
TOTAL									0				
<b>MUD ADDITIVES</b>													
ITEM		USED	UNITS		ITEM		USED	UNITS					
DRLG FLUIDS ENGR		1	per day		BAROID 41 (ST)		4	US TON					
DRILTREAT		1	5 GAL CAN										
<b>COMMENTS</b>													
00:00-0430 TIH W/ 4.5" LINER T/17005'.													
04:30-05:30 CIRCULATE BU & WAIT ON ALLIED CEMENTERS.													

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 01/22/2017

AFE No: 2124239

## Daily Drilling Report

DFS: 21

## OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 00:30	0.50	CSGPRO	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	RIG SERVICE WHILE CIRCULATING HOLE CLEAN.
00:30 - 03:30	3.00	CSGPRO	05 P - CIRC & COND MUD	F - HOLE CLEANING/HIGH VIS PILL	PUMP 3 X 2# OVER MUD WEIGHT SWEEPS AND CIRC HOLE CLEAN. ROTATING 100 RPM AND RECIPROCATING PIPE A FULL STAND WHILE CIRC. FLOW CHECK. WELL STATIC. PUMP SLUG AND DROP RABBIT W/100' WIRE ATTACHED. MUD WEIGHT IN/OUT 13.1 PPG.
03:30 - 08:30	5.00	CSGPRO	06 P - TRIPPING	A - BIT/ BHA	TOOH F/17005' RACKING BACK IN DERRICK T/ 5816', HOLE TAKING CORRECT FILL.
08:30 - 14:00	5.50	CSGPRO	06 P - TRIPPING	A - BIT/ BHA	CONTINUE TOOH F/5816' L/D 4" DRILL PIPE & DIR BHA, HOLE TAKING CORRECT FILL. CLEAN RIG FLOOR OF SUBS & OBM.  ** LEVEL DERRICK @ 4612" ON TOOH** BIT GRADE: 1-1-WT-A-IN GAUGE
14:00 - 16:00	2.00	CSGPRO	12 P - RUN CASING & CEMENT	C - RUN/PULL CASING/LINER/TI EBACK	PJSM WITH FRANKS, R/U & RUN 19 JTS + 0 MARKER JTS OF 4.5" 15.1 PPF HCP-110 CDC-HTQ LINER TO 858', LINER RUN AS FOLLOWS:  1) WEATHERFORD FLOAT SHOE TO BE SET @ 17005' 2) 1 JT CASING 3) WEATHERFORD FLOAT COLLAR TO BE SET @ 16958' 4) 1 JT CASING 5) BAKER LANDING COLLAR TO BE SET @ 16910' 6) 1 JT CASING 7) BAKER ALPHA SLEEVE TO BE SET @ 16863' 8) 23 JTS CASING 9) MARKER JT TO BE SET @ 15833' 10) 69 JTS CASING 11) MARKET JT TO BE SET @ 12776' 12) 39 JTS CASING 13) BAKER LINER HANGER AND PACKER ASSEMBLY. TOP OF LINER @ 11048' 14) BAKER RUNNING/SETTING TOOL
16:00 - 16:30	0.50	CSGPRO	07 P - LUB RIG (RIG SERVICE)	A - DAILY SERVICE	RIG SERVICE: REPLACE HYD HOSE AT CATWALK.
16:30 - 21:30	5.00	CSGPRO	12 P - RUN CASING & CEMENT	C - RUN/PULL CASING/LINER/TI EBACK	PJSM WITH FRANKS, R/U & RUN 134 JTS + 2 MARKER JTS OF 4.5" 15.1 PPF HCP-110 CDC-HTQ LINER TO 17005', LINER RUN AS FOLLOWS:  1) WEATHERFORD FLOAT SHOE TO BE SET @ 17005' 2) 1 JT CASING 3) WEATHERFORD FLOAT COLLAR TO BE SET @ 16958' 4) 1 JT CASING 5) BAKER LANDING COLLAR TO BE SET @ 16910' 6) 1 JT CASING 7) BAKER ALPHA SLEEVE TO BE SET @ 16863' 8) 23 JTS CASING 9) MARKER JT TO BE SET @ 15833' 10) 69 JTS CASING 11) MARKET JT TO BE SET @ 12776' 12) 39 JTS CASING 13) BAKER LINER HANGER AND PACKER ASSEMBLY. TOP OF LINER @ 11048' 14) BAKER RUNNING/SETTING TOOL  R/D FRANKS.
21:30 - 00:00	2.50	CSGPRO	06 P - TRIPPING	D - CASING/LINER	TIH W/ LINER ON DRILLPIPE TO 9600'.

**WINS No: J8081****YOKUM UL UNIT 19-4 3H****Date: 01/22/2017****AFE No: 2124239****Daily Drilling Report****DFS: 21**

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: 66

SPUD YOKUM UL UNIT 19-4 #3H 12/15/2016 @ 11:00.  
RIG RELEASED @ 14:00 ON 12/27/2016.  
RE-ENTERED ON PRODUCTION 1/15/2017 @ 04:30.  
RIG RELEASED @ XX:XX ON XX/XX/XXXX.

LAST 5" INSPECTION - 1/19/2017, (288 OUT OF 290 JOINTS REJECTED DUE TO PITTING).  
LAST 4" INSPECTION CAT 3 - 10/25/16  
LAST BHA INSPECTION - 12/5/16

TUBULAR INVENTORY:

0 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016 (PRECISION) 288 OF 290 JTS REJECTED ON INSPECTION SENT TO PD YARD ON 1/20/2017.  
29 JTS 5" 4-1/2" IF HWDP (PRECISION)  
18 JTS 6-1/2" DRILL COLLARS (PRECISION)

755 JTS 4" XT-39 DRILL PIPE (WORKSTRING)  
1 JT 4" FH DRILL PIPE (WORKSTRING)

CASING STRINGS SET:

20" CONDUCTOR SET @ 140'  
13 3/8" SURFACE CASING SET @ 1177'  
9 5/8" INTERMEDIATE #1 SET @ 4975'  
KICKOFF POINT @ 11100'  
CURVE LANDED @ 12260'  
7" INTERMEDIATE #2 @ 11623'  
TD WELL @ 17005'  
PRODUCTION CASING @ 17005'

Target Line: 11,701' TVD, 90.4° Inc, 163.72° Azi @ 0' VS  
Target Window: 10' above / 20' below  
Target Window CHANGE #1 @ 05:42 on 1/16/2017: 0' above / 40' below, By Beau Sirois.  
Target Window CHANGE #2 @ 08:30 on 1/19/2017: 5' above / 35' below, By Beau Sirois.

BHA #1: 17.5" U616 ULTERRA W/ 9-12'S, 9 5/8" MPACT MOTOR 6/7 - 5.0 - 0.13 RPG SET @ 1.5" W/ 16.875" NBS, 16.875" IBS, SHOCK SUB, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 1037'. TOTAL HRS: 8. ROP: 129 FPH. DEPTH IN: 140'. DEPTH OUT: 1177'. REASON PULLED - TD SURFACE. BIT GRADE: 1-2-CT-GA-INGAUGE.

BHA #2: 12.25" U616 ULTERRA W/ 6-15'S, 7.75" MPACT MOTOR 4/5 - 5.3 - .25 RPG SET @ 1.5" W/ 11.625" NBS, 11.625" IBS, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 3798. TOTAL HRS: 27.5. ROP: 138 FPH. DEPTH IN: 1177'. DEPTH OUT: 4975'. REASON PULLED - TD CSG PT. BIT GRADE: 1-2-CT-GA-INGAUGE.

BHA #3: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 86' BTG, 88' BTS ) 8.125" IBS, 6.75" SHOCK SUB, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 4975' - 5275'. 300' IN 3 HRS @ 100 FPH. REASON PULLED: BHA TORQUED UP DOWN HOLE INCORRECT MWD ORIENTATION. BIT GRADE: 0-0-A-INGAUGE.

BHA #4: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 71' BTG, 72' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 5275' - 8749'. 3474' IN 54 HRS @ 64 FPH. REASON PULLED: P-RATE. BIT GRADE: 2-3-CT-A-WT-INGAUGE.

BHA #5: 8.75" BAKER T607FX W/ 1.05 TFA, 6.75" MPACT MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 4.45' BTB, 59' BTG, 60' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 8749' - 11100'. 2351' IN 39.5 HRS @ 59 FPH. REASON PULLED: KOP. BIT GRADE: 3-3-BT-A-CT-INGAUGE.

BHA #6: 8.75" BAKER TP406FX W/ 1.04 TFA, 6.75" GYRODATA FIXED @ 2.38° ( 4/5 LOBE, 7 STG, 4.10' BTB, 51' BTG, 52' BTS ), NMPC, EVO CARRIER, NMDC, NMFC, CROSS OVER DRILLED F/ 11100' - 11623'. 523' IN 19.5 HRS @ 26 FPH. REASON PULLED: DHT FAILURE RUN 7" CSG, BIT GRADE: 1-4-BT-GA-INGAUGE.

BHA #7: 6.125" BAKER TD405FX W/ 0.75 TFA, 4-3/4" BAKER M1XL-P, 1.83° ( 5/6 LOBE, 9.50 STG ) ( 5.24 BTB, 59' BTG, 60' BTS, 1.03 RPG ), FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, X-O. DRILLED F/ 11623' - 11842', 219' IN 8 HRS @ 27 FPH. BIT GRADE: 0-0-NO-A-INGAUGE.

BHA #8: 6.125" BAKER TD405FX W/ 0.75 TFA, 5" MPACT, 1.75° FH ( 6/7 LOBE, 8.0 STG ) ( 4.02 BTB, 58' BTG, 59' BTS, 1.03 RPG ), FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, X-O. DRILLED F/ 11842' - 14969', 3127' IN 65 HRS @ 48 FPH. BIT GRADE: 1-1-CT-N-INGAUGE.

BHA #9: 6.125" BAKER TD405FX W/ 0.75 TFA, 5" MPACT, 1.75° FH ( 6/7 LOBE, 8.0 STG ) ( 4.02 BTB, 58' BTG, 59' BTS, 1.03 RPG ), FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, X-O. DRILLED F/ 14969' - 1XXXX', XXX' IN XX HRS @ XX FPH. BIT GRADE: 1-1-WT-A-INGAUGE.

EYES ON WALK AROUND (NO SPILLS).

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 01/23/2017

AFE No: 2124239

## Daily Drilling Report

DFS: 22

REPT NO. 25	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME PHANTOM	RIG NAME PRECISION 566		TMD 17,005.0	TVD 11,685.8	FOOTAGE	ROP 0.0
SPLIT DATE 12/15/2016	API 4230133030	STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION			
CURRENT STATUS TOOH L/D 4" DRILL PIPE. @ 3500'.				FORMATION WOLFCAMP BETA		ELEV. 2,796.01	DIESEL 867.00	MUD LOST(DAY/CUM) \$795 / \$82,105	
24 HR FORECAST D 4" DRILL PIPE & BAKER RUNNING TOOL, N/D BOP'S & DUMMY SPOOL, N/U 1				LAST SAFETY MEETING 1/23/2017		ACC LST 24 HRS? NO		WELL COST(DAY/CUM) \$119,845 / \$1,954,781	
LAST CASING 7.000 in @ 11,622.0 ft		LKOFF	NEXT CASING 4.500 in @ 17,089.0 ft		LAST BOP TEST 1/15/2017		AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00		SUPERVISOR/DRILLING ENG JUSTIN PAUL/BOBBY WEST

OPERATE SUMMARY: TIH W/4.5" LINER T/17005', CIRCULATE & WAIT ON ALLIED CEMENTERS, SET HANGER & RELEASE LINER, CEMENT 4.5" LINER, CIRCULATE OUT SPACER & CEMENT, TEST TO 2000 PSI, DISPLACE WITH 9.5 PPG BRINE, NEG TEST - OK, TOOH L/D 4" DRILL PIPE.

## BITS/ BIT OPERATIONS

BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R

## SURVEY DATA - LAST 10

Survey Name: Openwire		Survey Tool: MWD+IFR1		Survey Company: PREMIER DIRECTIONAL DRILL				LAST SURVEY@17,005 N/S		-5,940.9	E/W	957.5
MD	INCL	AZIMUTH	TVD	SECTION	DLS	MD	INCL	AZIMUTH	TVD	SECTION	DLS	
16,151	88.67	166.00	11,676.8	5,118.9	0.99	16,625	90.92	164.90	11,687.5	5,592.5	2.53	
16,247	88.54	166.62	11,679.1	5,214.8	0.66	16,720	91.18	166.34	11,685.8	5,687.4	1.54	
16,341	87.72	166.72	11,682.2	5,308.6	0.88	16,814	90.68	168.09	11,684.3	5,781.2	1.94	
16,436	88.80	163.78	11,685.1	5,403.5	3.30	16,909	89.18	170.41	11,684.4	5,875.8	2.91	
16,531	88.66	164.15	11,687.2	5,498.5	0.42	17,005	89.18	170.41	11,685.8	5,971.1	0.00	

DENS(ppg)	13.2	CGas	/	BGas		MUD DATA		TGas	/	MUD LOST		WATER LOST		0.00
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND	FC	OIL/WAT	WPS	ES	LIME			
00:00	77.0	20.0/11.0	12.0/22.0/23.0	/13.0	8.90/24.9			80.30/19.70	271,264	687	3.4			

## PUMP/HYDRAULICS

NO.	MAKE OF PUMP	STK(in)	LNR(in)	PUMP OPERATION	SPM	PRESS.(psi)	GPM	AV DC	AV DP
1	BPMMP	12.000	5.000						
2	BPMMP	12.000							
TOTAL							0		

## MUD ADDITIVES

ITEM	USED	UNITS	ITEM	USED	UNITS
DRLG FLUIDS ENGR	1	per day			

## COMMENTS

00:00-03:30 TOOH L/D 4" DRILL PIPE & BAKER RUNNING TOOL.  
03:30-05:30 N/D BOP'S & DRILLING SPOOL.

## OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 04:30	4.50	CSGPRO	06 P - TRIPPING	D - CASING/LINER	TIH W/ LINER TO 17005'.
04:30 - 11:00	6.50	CSGPRO	05 P - CIRC & COND MUD	A - CONDITION MUD / CLG / HTG	TAG BTM @ 17005', CIRCULATE BU THROUGH DRILL PIPE @ 5 BPM, REDUCE RATE TO 2BPM & CONTINUE CIRCULATING. P/U CMT HEAD @ 08:30 AND CONTINUE CIRCULATING @ 2 BPM, ALLIED ARRIVED ON LOC @ 10:15 AM, CONTINUE CIRCULATING UNTILL ALLIED WAS READY TO START MIXING SPACER.
11:00 - 13:00	2.00	CSGPRO	05 P - CIRC & COND MUD	D - DOWN CASING	DROP FIRST BALL & SET LINER HANGER. DROP SECOND BALL & PUMP DOWN SAME. RELEASE FROM LINER.
13:00 - 15:30	2.50	CSGPRO	12 P - RUN CASING & CEMENT	E - CEMENTING PRIMARY	PJSM WITH ALLIED,  1)TEST LINES TO 8500 PSI. 2) PUMP 30 BBL ALLIED SPACER @ 14 PPG 3) 113 BBLS ( 494 SX ) OF 15.8 PPG LEAD CMT @ 1.16 YD. CLASS H PREMIUM ****11 BBLS MORE THAN CALCULATED CEMENT WAS PUMPED, ALLIED WAS SHUT DOWN FROM PUMPING UNPLANNED EXCESS CEMENT*** 4) DROP DART AND DISPLACE WITH 20 BBLS SUGAR WATER, 50BBLS F/W, 20 BBLS SUGAR WATER & 113 BBLS 13.2# OBM. BUMP PLUG ON TIME @ 203BBL @ 3BPM, PRESSURE UP F/ 1800 TO 2800 PSI, HOLD FOR 3 MINUTES. RELEASE PRESSURE. 1.5 BBL BACK. FLOATS HOLDING.  R/D ALLIED.
15:30 - 17:00	1.50	CSGPRO	05 P - CIRC & COND MUD	A - CONDITION MUD / CLG / HTG	SET PACKER & CIRC BTMS UP. 30 BBLS SPACER TO SURFACE. 15 CMT 30 BBLS OF CONTAMINATED MUD, TEST PACKER TO 2000 PSI FOR 5 MINUTES. TEST GOOD.
17:00 - 19:00	2.00	CSGPRO	05 P - CIRC & COND MUD	G - DISPLACE MUD	DISPLACE 13.2# OBM W/ 356 BBLS OF 9.5# PACKER FLUID. MONITOR WELL ON TRIP TANK FOR 30 MINUTES FOR NEGATIVE TEST. TEST GOOD. L/D BAKER CMT HEAD.
19:00 - 00:00	5.00	CSGPRO	06 P - TRIPPING	J - TOOLS	TOOH L/D 4" DRILLPIPE & BAKER RUNNING TOOL @ 3500'.

**WINS No: J8081****YOKUM UL UNIT 19-4 3H****Date: 01/23/2017****AFE No: 2124239****Daily Drilling Report****DFS: 22**

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: 66

SPUD YOKUM UL UNIT 19-4 #3H 12/15/2016 @ 11:00.  
RIG RELEASED @ 14:00 ON 12/27/2016.  
RE-ENTERED ON PRODUCTION 1/15/2017 @ 04:30.  
RIG RELEASED @ XX:XX ON XX/XX/XXXX.

LAST 5" INSPECTION - 1/19/2017, (288 OUT OF 290 JOINTS REJECTED DUE TO PITTING).  
LAST 4" INSPECTION CAT 3 - 10/25/16  
LAST BHA INSPECTION - 12/5/16

TUBULAR INVENTORY:

0 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016 (PRECISION) 288 OF 290 JTS REJECTED ON INSPECTION SENT TO PD YARD ON 1/20/2017.  
29 JTS 5" 4-1/2" IF HWDP (PRECISION)  
18 JTS 6-1/2" DRILL COLLARS (PRECISION)

755 JTS 4" XT-39 DRILL PIPE (WORKSTRING)  
1 JT 4" FH DRILL PIPE (WORKSTRING)

CASING STRINGS SET:

20" CONDUCTOR SET @ 140'  
13 3/8" SURFACE CASING SET @ 1177'  
9 5/8" INTERMEDIATE #1 SET @ 4975'  
KICKOFF POINT @ 11100'  
CURVE LANDED @ 12260'  
7" INTERMEDIATE #2 @ 11623'  
TD WELL @ 17005'  
PRODUCTION CASING @ 17005'

Target Line: 11,701' TVD, 90.4° Inc, 163.72° Azi @ 0' VS  
Target Window: 10' above / 20' below  
Target Window CHANGE #1 @ 05:42 on 1/16/2017: 0' above / 40' below, By Beau Sirois.  
Target Window CHANGE #2 @ 08:30 on 1/19/2017: 5' above / 35' below, By Beau Sirois.

BHA #1: 17.5" U616 ULTERRA W/ 9-12'S, 9 5/8" MPACT MOTOR 6/7 - 5.0 - 0.13 RPG SET @ 1.5" W/ 16.875" NBS, 16.875" IBS, SHOCK SUB, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 1037'. TOTAL HRS: 8. ROP: 129 FPH. DEPTH IN: 140'. DEPTH OUT: 1177'. REASON PULLED - TD SURFACE. BIT GRADE: 1-2-CT-GA-IN GAUGE.

BHA #2: 12.25" U616 ULTERRA W/ 6-15'S, 7.75" MPACT MOTOR 4/5 - 5.3 - .25 RPG SET @ 1.5" W/ 11.625" NBS, 11.625" IBS, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 3798. TOTAL HRS: 27.5. ROP: 138 FPH. DEPTH IN: 1177'. DEPTH OUT: 4975'. REASON PULLED - TD CSG PT. BIT GRADE: 1-2-CT-GA-INGAUGE.

BHA #3: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 86' BTG, 88' BTS ) 8.125" IBS, 6.75" SHOCK SUB, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 4975' - 5275'. 300' IN 3 HRS @ 100 FPH. REASON PULLED: BHA TORQUED UP DOWN HOLE INCORRECT MWD ORIENTATION. BIT GRADE: 0-0-A-INGAUGE.

BHA #4: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 71' BTG, 72' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 5275' - 8749'. 3474' IN 54 HRS @ 64 FPH. REASON PULLED: P-RATE. BIT GRADE: 2-3-CT-A-WT-INGAUGE.

BHA #5: 8.75" BAKER T607FX W/ 1.05 TFA, 6.75" MPACT MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 4.45' BTB, 59' BTG, 60' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 8749' - 11100'. 2351' IN 39.5 HRS @ 59 FPH. REASON PULLED: KOP. BIT GRADE: 3-3-BT-A-CT-INGAUGE.

BHA #6: 8.75" BAKER TP406FX W/ 1.04 TFA, 6.75" GYRODATA FIXED @ 2.38° ( 4/5 LOBE, 7 STG, 4.10' BTB, 51' BTG, 52' BTS ), NMPC, EVO CARRIER, NMDC, NMFC, CROSS OVER DRILLED F/ 11100' - 11623'. 523' IN 19.5 HRS @ 26 FPH. REASON PULLED: DHT FAILURE RUN 7" CSG, BIT GRADE: 1-4-BT-GA-INGAUGE.

BHA #7: 6.125" BAKER TD405FX W/ 0.75 TFA, 4-3/4" BAKER M1XL-P, 1.83° ( 5/6 LOBE, 9.50 STG ) ( 5.24 BTB, 59' BTG, 60' BTS, 1.03 RPG ), FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, X-O. DRILLED F/ 11623' - 11842', 219' IN 8 HRS @ 27 FPH. BIT GRADE: 0-0-NO-A-INGAUGE.

BHA #8: 6.125" BAKER TD405FX W/ 0.75 TFA, 5" MPACT, 1.75° FH ( 6/7 LOBE, 8.0 STG ) ( 4.02 BTB, 58' BTG, 59' BTS, 1.03 RPG ), FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, X-O. DRILLED F/ 11842' - 14969', 3127' IN 65 HRS @ 48 FPH. BIT GRADE: 1-1-CT-N-INGAUGE.

BHA #9: 6.125" BAKER TD405FX W/ 0.75 TFA, 5" MPACT, 1.75° FH ( 6/7 LOBE, 8.0 STG ) ( 4.02 BTB, 58' BTG, 59' BTS, 1.03 RPG ), FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, X-O. DRILLED F/ 14969' - 1XXXX', XXX' IN XX HRS @ XX FPH. BIT GRADE: 1-1-WT-A-INGAUGE.

EYES ON WALK AROUND (NO SPILLS).

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 01/24/2017

AFE No: 2124239

## Daily Drilling Report

DFS: 23

REPT NO. 26	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME PHANTOM	RIG NAME PRECISION 566		TMD 17,005.0	TVD 11,685.8	FOOTAGE	ROP 0.0
SPLIT DATE 12/15/2016	API 4230133030	STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION			
CURRENT STATUS RIG RELEASED @ 14:00 ON 1/24/2017			FORMATION WOLFCAMP BETA		ELEV. 2,796.01	DIESEL		MUD LOST(DAY/CUM) \$0 / \$82,105	
24 HR FORECAST RIG RELEASED @ 14:00 ON 1/24/2017			LAST SAFETY MEETING 1/24/2017		ACC LST 24 HRS? NO		WELL COST(DAY/CUM) \$50,341 / \$2,005,122		
LAST CASING 7.000 in @ 11,622.0 ft		LKOFF	NEXT CASING 4.500 in @ 17,089.0 ft		LAST BOP TEST 1/15/2017		AUTH TMD/AUTH COST 17,089 ft/ \$5,342,866.00		SUPERVISOR/DRILLING ENG JUSTIN PAUL/BOBBY WEST

OPERATE SUMMARY: CONTINUE TOO H F/3500' L/D 4" DRILLPIPE &amp; BAKER RUNNING TOOL. N/D BOP'S, DRILLING SPOOL, &amp; N/U T&amp;A CAP. CLEAN MUD PITS.

## BITS/ BIT OPERATIONS

BIT/RUN	SIZE	MANFU/TYPE	SERIAL#	JETS OR TFA	WOB	RPM	GPM/PP	DHRPM	DEPTH I/O	FTG	HRS	ROP	I-O-B-G-R

## SURVEY DATA - LAST 10

Survey Name: Openwire		Survey Tool: MWD+IFR1		Survey Company: PREMIER DIRECTIONAL DRILL				LAST SURVEY@17,005 N/S		-5,940.9	E/W	957.5	
MD	INCL	AZIMUTH	TVD	SECTION	DLS	MD	INCL	AZIMUTH	TVD	SECTION	DLS		
16,151	88.67	166.00	11,676.8	5,118.9	0.99	16,625	90.92	164.90	11,687.5	5,592.5	2.53		
16,247	88.54	166.62	11,679.1	5,214.8	0.66	16,720	91.18	166.34	11,685.8	5,687.4	1.54		
16,341	87.72	166.72	11,682.2	5,308.6	0.88	16,814	90.68	168.09	11,684.3	5,781.2	1.94		
16,436	88.80	163.78	11,685.1	5,403.5	3.30	16,909	89.18	170.41	11,684.4	5,875.8	2.91		
16,531	88.66	164.15	11,687.2	5,498.5	0.42	17,005	89.18	170.41	11,685.8	5,971.1	0.00		

DENS(ppg)	13.2	CGas	/	BGas		MUD DATA	TGas	/	MUD LOST		WATER LOST	0.00
TIME	FV	PV/YP	GELS	WL/HTHP	%LGS/T.SOL	%SAND	FC	OIL/WAT	WPS	ES	LIME	
00:00	77.0	20.0/11.0	12.0/22.0/23.0	/13.0	8.90/24.9			80.30/19.70		687	3.4	

## PUMP/HYDRAULICS

NO.	MAKE OF PUMP	STK(in)	LNR(in)	PUMP OPERATION	SPM	PRESS.(psi)	GPM	AV DC	AV DP
1	BPMMP	12.000	5.000						
2	BPMMP	12.000							
TOTAL							0		

## MUD ADDITIVES

ITEM	USED	UNITS	ITEM	USED	UNITS

## COMMENTS

RIG RELEASED @ 14:00 ON 1/24/2017

## OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 03:30	3.50	CSGPRO	06 P - TRIPPING	J - TOOLS	TOOH F/3500' L/D 4" DRILLPIPE & BAKER RUNNING TOOL.  CLEAN MUD TANKS.
03:30 - 09:30	6.00	CSGPRO	14 P - NU BOPE	A - NIPPLE UP / NIPPLE DOWN	NIPPLE DOWN BOPS. REMOVE DUMMY SPOOL. INSTALL WELLCAP.  **ATTEMPT TO PACKOFF T&A CAP @ 06:00, CAMERON'S PACK-OFF BARREL WAS PLUGED. CAMERON HAD TO SEND ANOTHER PACK-OFF BARREL FROM OFFICE, ARRIVED ON LOCATION @ 08:45.  PACK OFF HEAD & TEST T/4,875 PSI. BPV INSTALLATION & ALL VALVES CLOSED WITTNESSED BY: JUSTIN PAUL.  CONTINUE CLEANING MUD TANKS.
09:30 - 14:00	4.50	CSGPRO	14 P - NU BOPE	A - NIPPLE UP / NIPPLE DOWN	CONTINUE CLEANING MUD TANKS, MUD TANKS HAD EXCESS SOLIDS SET UP IN SAND TRAP & SETTLING TANKS.  RIG RELEASED @ 14:00 ON 1/24/2017.

**WINS No: J8081****YOKUM UL UNIT 19-4 3H****Date: 01/24/2017****AFE No: 2124239****Daily Drilling Report****DFS: 23**

FROM KERMIT TX, GO WEST ON HWY 302 FOR 24.4 MILES TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 3.1 MILE TO "T". TURN LEFT @ "T" AND GO 1.1 MILE TO LEASE ROAD ON LEFT. TURN LEFT ONTO LEASE ROAD AND GO 0.3 MILE TO LOCATION.

RIG RELEASED FROM DUSK 54-1-34 UNIT 1H 12/12/2016 0600HRS.  
MOVING TO THE YOKUM UL UNIT 19-4 #3H  
RIG MOVE HRS: 66

SPUD YOKUM UL UNIT 19-4 #3H 12/15/2016 @ 11:00.  
RIG RELEASED @ 14:00 ON 12/27/2016.  
RE-ENTERED ON PRODUCTION 1/15/2017 @ 04:30.  
RIG RELEASED @ 14:00 ON 1/24/2017.

LAST 5" INSPECTION - 1/19/2017, (288 OUT OF 290 JOINTS REJECTED DUE TO PITTING).  
LAST 4" INSPECTION CAT 3 - 10/25/16  
LAST BHA INSPECTION - 12/5/16

TUBULAR INVENTORY:

0 JTS OF 5" DP 19.5 #/FT, S-135, REPLACEMENT STRING FROM PD 10/9/2016 (PRECISION) 288 OF 290 JTS REJECTED ON INSPECTION SENT TO PD YARD ON 1/20/2017.  
29 JTS 5" 4-1/2" IF HWDP (PRECISION)  
18 JTS 6-1/2" DRILL COLLARS (PRECISION)

755 JTS 4" XT-39 DRILL PIPE (WORKSTRING)  
1 JT 4" FH DRILL PIPE (WORKSTRING)

CASING STRINGS SET:

20" CONDUCTOR SET @ 140'  
13 3/8" SURFACE CASING SET @ 1177'  
9 5/8" INTERMEDIATE #1 SET @ 4975'  
KICKOFF POINT @ 11100'  
CURVE LANDED @ 12260'  
7" INTERMEDIATE #2 @ 11623'  
TD WELL @ 17005'  
PRODUCTION CASING @ 17005'

Target Line: 11,701' TVD, 90.4° Inc, 163.72° Azi @ 0' VS  
Target Window: 10' above / 20' below  
Target Window CHANGE #1 @ 05:42 on 1/16/2017: 0' above / 40' below, By Beau Sirois.  
Target Window CHANGE #2 @ 08:30 on 1/19/2017: 5' above / 35' below, By Beau Sirois.

BHA #1: 17.5" U616 ULTERRA W/ 9-12'S, 9 5/8" MPACT MOTOR 6/7 - 5.0 - 0.13 RPG SET @ 1.5" W/ 16.875" NBS, 16.875" IBS, SHOCK SUB, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 1037'. TOTAL HRS: 8. ROP: 129 FPH. DEPTH IN: 140'. DEPTH OUT: 1177'. REASON PULLED - TD SURFACE. BIT GRADE: 1-2-CT-GA-IN GAUGE.

BHA #2: 12.25" U616 ULTERRA W/ 6-15's, 7.75" MPACT MOTOR 4/5 - 5.3 - .25 RPG SET @ 1.5" W/ 11.625" NBS, 11.625" IBS, SHOCK SUB, NMDC, UBHO, NMDC, NMDC, X-O SUB, 15 X 6.5" SPIRAL DCS, X-O SUB, 15 X 5" HWDP, TOTAL FTG: 3798. TOTAL HRS: 27.5. ROP: 138 FPH. DEPTH IN: 1177'. DEPTH OUT: 4975'. REASON PULLED - TD CSG PT. BIT GRADE: 1-2-CT-GA-INGAUGE.

BHA #3: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 86' BTG, 88' BTS ) 8.125" IBS, 6.75" SHOCK SUB, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 4975' - 5275'. 300' IN 3 HRS @ 100 FPH. REASON PULLED: BHA TORQUED UP DOWN HOLE INCORRECT MWD ORIENTATION. BIT GRADE: 0-0-A-INGAUGE.

BHA #4: 8.75" BAKER T607FX W/ 1.05 TFA, 7" BAKER MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 6.30' BTB, 71' BTG, 72' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 5275' - 8749'. 3474' IN 54 HRS @ 64 FPH. REASON PULLED: P-RATE. BIT GRADE: 2-3-CT-A-WT-INGAUGE.

BHA #5: 8.75" BAKER T607FX W/ 1.05 TFA, 6.75" MPACT MM SET @ 1.5" ( 7/8 LOBE, 6.4 STG, 4.45' BTB, 59' BTG, 60' BTS ) 8.125" IBS, 6.75" NMPC, EVO CARRIER, 2-6.75" NMDC, 6.75" SHOCK SUB, 15-6.5" DC, X-O, 15 HWDP, DRILLED F/ 8749' - 11100'. 2351' IN 39.5 HRS @ 59 FPH. REASON PULLED: KOP. BIT GRADE: 3-3-BT-A-CT-INGAUGE.

BHA #6: 8.75" BAKER TP406FX W/ 1.04 TFA, 6.75" GYRODATA FIXED @ 2.38° ( 4/5 LOBE, 7 STG, 4.10' BTB, 51' BTG, 52' BTS ), NMPC, EVO CARRIER, NMDC, NMFC, CROSS OVER DRILLED F/ 11100' - 11623'. 523' IN 19.5 HRS @ 26 FPH. REASON PULLED: DHT FAILURE RUN 7" CSG, BIT GRADE: 1-4-BT-GA-INGAUGE.

BHA #7: 6.125" BAKER TD405FX W/ 0.75 TFA, 4-3/4" BAKER M1XL-P, 1.83° ( 5/6 LOBE, 9.50 STG ) ( 5.24 BTB, 59' BTG, 60' BTS, 1.03 RPG ), FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, X-O. DRILLED F/ 11623' - 11842', 219' IN 8 HRS @ 27 FPH. BIT GRADE: 0-0-NO-A-INGAUGE.

BHA #8: 6.125" BAKER TD405FX W/ 0.75 TFA, 5" MPACT, 1.75° FH ( 6/7 LOBE, 8.0 STG ) ( 4.02 BTB, 58' BTG, 59' BTS, 1.03 RPG ), FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, X-O. DRILLED F/ 11842' - 14969', 3127' IN 65 HRS @ 48 FPH. BIT GRADE: 1-1-CT-N-INGAUGE.

BHA #9: 6.125" BAKER TD405FX W/ 0.75 TFA, 5" MPACT, 1.75° FH ( 6/7 LOBE, 8.0 STG ) ( 4.02 BTB, 58' BTG, 59' BTS, 1.03 RPG ), FLOAT SUB, NMPC, EVO CARRIER, NMDC, NMFC, X-O. DRILLED F/ 14969' - 1XXXX', XXX' IN XX HRS @ XX FPH. BIT GRADE: 1-1-WT-A-INGAUGE.

EYES ON WALK AROUND (NO SPILLS).