

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 3/3/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATE SUMMARY: DRILL OUT ALL THE PLUGS. SENT GEL SWEEP AFTER EACH PLUG. POOH.

REPT NO. 16	OPERATOR ANADARKO E&P ONSHORE LLC	FIELD NAME YOKUM UL UNIT 19-4 1H/2H/3H PAD	SUPERVISOR / ENGINEER DOUG ANDERSON / RYAN LEACHMAN					
SPUD DATE 12/15/2016	API 4230133030	STATE TEXAS	COUNTY LOVING	DIVISION US SOUTHERN REGION	RIG NAME			
CURRENT STATUS POOH. SENDING GEL SWEEPS THROUGH LATERAL								
24 HR FORECAST PACKER OPS								
GL ELEV 2,771.0 (usft)	RKB 2,796.00 (usft)	FORMATION WOLFCAMP W1	TMD	TVD	PBTMD	PBTVD		
JOB # 2124239	JOB START DATE 2/2/2017	JOB OBJECTIVE DEVELOPMENT	AUTH COST / W1% \$ 5,342,866 / 100 %		DAY COST / CUM COST \$75,995 / \$2,735,669			

CASING DETAILS

ASSEMBLY	SIZE	INST DATE	FROM (usft)	TO (usft)	SIZE	WEIGHT	GRADE	THRDS

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 3/3/2017

AFE No: 2124239

## Daily Completion and Workover Report

DOL:

## PERFORATIONS

ZONE	DATE	SIDETRK #	STATUS	TYPE	TOP (usft)	BASE (usft)
	2/21/2017	OH	OPEN	PERFORATED	12,101.0	12,102.0
	2/21/2017	OH	OPEN	PERFORATED	12,197.0	12,198.0
	2/21/2017	OH	OPEN	PERFORATED	12,133.0	12,134.0
	2/21/2017	OH	OPEN	PERFORATED	12,165.0	12,166.0
	2/21/2017	OH	OPEN	PERFORATED	12,069.0	12,070.0
	2/21/2017	OH	OPEN	PERFORATED	12,229.0	12,230.0
	2/20/2017	OH	OPEN	PERFORATED	12,429.0	12,430.0
	2/20/2017	OH	OPEN	PERFORATED	12,701.0	12,702.0
	2/20/2017	OH	OPEN	PERFORATED	12,733.0	12,734.0
	2/20/2017	OH	OPEN	PERFORATED	12,765.0	12,766.0
	2/20/2017	OH	OPEN	PERFORATED	12,597.0	12,598.0
	2/20/2017	OH	OPEN	PERFORATED	12,629.0	12,630.0
	2/20/2017	OH	OPEN	PERFORATED	12,965.0	12,966.0
	2/20/2017	OH	OPEN	PERFORATED	12,904.0	12,905.0
	2/20/2017	OH	OPEN	PERFORATED	12,469.0	12,470.0
	2/20/2017	OH	OPEN	PERFORATED	12,565.0	12,566.0
	2/20/2017	OH	OPEN	PERFORATED	13,030.0	13,031.0
	2/20/2017	OH	OPEN	PERFORATED	12,365.0	12,366.0
	2/20/2017	OH	OPEN	PERFORATED	12,301.0	12,302.0
	2/20/2017	OH	OPEN	PERFORATED	12,673.0	12,674.0
	2/20/2017	OH	OPEN	PERFORATED	12,869.0	12,870.0
	2/20/2017	OH	OPEN	PERFORATED	12,269.0	12,270.0
	2/20/2017	OH	OPEN	PERFORATED	12,829.0	12,830.0
	2/20/2017	OH	OPEN	PERFORATED	12,396.0	12,397.0
	2/20/2017	OH	OPEN	PERFORATED	12,501.0	12,502.0
	2/20/2017	OH	OPEN	PERFORATED	12,997.0	12,998.0
	2/20/2017	OH	OPEN	PERFORATED	12,333.0	12,334.0
	2/20/2017	OH	OPEN	PERFORATED	12,933.0	12,934.0
	2/20/2017	OH	OPEN	PERFORATED	12,531.0	12,532.0
	2/20/2017	OH	OPEN	PERFORATED	12,797.0	12,798.0
	2/19/2017	OH	OPEN	PERFORATED	13,427.0	13,428.0
	2/19/2017	OH	OPEN	PERFORATED	13,597.0	13,598.0
	2/19/2017	OH	OPEN	PERFORATED	13,165.0	13,166.0
	2/19/2017	OH	OPEN	PERFORATED	13,229.0	13,230.0
	2/19/2017	OH	OPEN	PERFORATED	13,333.0	13,334.0
	2/19/2017	OH	OPEN	PERFORATED	13,197.0	13,198.0
	2/19/2017	OH	OPEN	PERFORATED	13,365.0	13,366.0
	2/19/2017	OH	OPEN	PERFORATED	13,469.0	13,470.0
	2/19/2017	OH	OPEN	PERFORATED	13,301.0	13,302.0
	2/19/2017	OH	OPEN	PERFORATED	13,269.0	13,270.0
	2/19/2017	OH	OPEN	PERFORATED	13,071.0	13,072.0
	2/19/2017	OH	OPEN	PERFORATED	13,765.0	13,766.0
	2/19/2017	OH	OPEN	PERFORATED	13,629.0	13,630.0
	2/19/2017	OH	OPEN	PERFORATED	13,133.0	13,134.0
	2/19/2017	OH	OPEN	PERFORATED	13,797.0	13,798.0
	2/19/2017	OH	OPEN	PERFORATED	13,733.0	13,734.0
	2/19/2017	OH	OPEN	PERFORATED	13,563.0	13,564.0
	2/19/2017	OH	OPEN	PERFORATED	13,397.0	13,398.0
	2/19/2017	OH	OPEN	PERFORATED	13,701.0	13,702.0
	2/19/2017	OH	OPEN	PERFORATED	13,533.0	13,534.0
	2/19/2017	OH	OPEN	PERFORATED	13,101.0	13,102.0
	2/19/2017	OH	OPEN	PERFORATED	13,501.0	13,502.0
	2/19/2017	OH	OPEN	PERFORATED	13,829.0	13,830.0
	2/19/2017	OH	OPEN	PERFORATED	13,669.0	13,670.0
	2/18/2017	OH	OPEN	PERFORATED	14,629.0	14,630.0
	2/18/2017	OH	OPEN	PERFORATED	14,365.0	14,366.0
	2/18/2017	OH	OPEN	PERFORATED	14,301.0	14,302.0
	2/18/2017	OH	OPEN	PERFORATED	14,532.0	14,533.0
	2/18/2017	OH	OPEN	PERFORATED	14,069.0	14,070.0
	2/18/2017	OH	OPEN	PERFORATED	13,965.0	13,966.0
	2/18/2017	OH	OPEN	PERFORATED	14,229.0	14,230.0
	2/18/2017	OH	OPEN	PERFORATED	14,429.0	14,430.0
	2/18/2017	OH	OPEN	PERFORATED	14,397.0	14,398.0
	2/18/2017	OH	OPEN	PERFORATED	14,501.0	14,502.0
	2/18/2017	OH	OPEN	PERFORATED	14,565.0	14,566.0
	2/18/2017	OH	OPEN	PERFORATED	14,469.0	14,470.0
	2/18/2017	OH	OPEN	PERFORATED	14,197.0	14,198.0
	2/18/2017	OH	OPEN	PERFORATED	14,269.0	14,270.0
	2/18/2017	OH	OPEN	PERFORATED	14,579.0	14,580.0
	2/18/2017	OH	OPEN	PERFORATED	13,997.0	13,998.0
	2/18/2017	OH	OPEN	PERFORATED	13,868.0	13,869.0
	2/18/2017	OH	OPEN	PERFORATED	13,901.0	13,902.0

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 3/3/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

	2/18/2017	OH	OPEN	PERFORATED	14,029.0	14,030.0
	2/18/2017	OH	OPEN	PERFORATED	13,933.0	13,934.0
	2/18/2017	OH	OPEN	PERFORATED	14,165.0	14,166.0
	2/18/2017	OH	OPEN	PERFORATED	14,101.0	14,102.0
	2/18/2017	OH	OPEN	PERFORATED	14,135.0	14,136.0
	2/18/2017	OH	OPEN	PERFORATED	14,336.0	14,337.0
	2/17/2017	OH	OPEN	PERFORATED	14,869.0	14,870.0
	2/17/2017	OH	OPEN	PERFORATED	14,829.0	14,830.0
	2/17/2017	OH	OPEN	PERFORATED	15,029.0	15,030.0
	2/17/2017	OH	OPEN	PERFORATED	15,165.0	15,166.0
	2/17/2017	OH	OPEN	PERFORATED	14,997.0	14,998.0
	2/17/2017	OH	OPEN	PERFORATED	15,229.0	15,230.0
	2/17/2017	OH	OPEN	PERFORATED	14,701.0	14,702.0
	2/17/2017	OH	OPEN	PERFORATED	14,934.0	14,935.0
	2/17/2017	OH	OPEN	PERFORATED	14,965.0	14,966.0
	2/17/2017	OH	OPEN	PERFORATED	14,795.0	14,796.0
	2/17/2017	OH	OPEN	PERFORATED	14,901.0	14,902.0
	2/17/2017	OH	OPEN	PERFORATED	15,069.0	15,070.0
	2/17/2017	OH	OPEN	PERFORATED	14,733.0	14,734.0
	2/17/2017	OH	OPEN	PERFORATED	14,672.0	14,673.0
	2/17/2017	OH	OPEN	PERFORATED	15,195.0	15,196.0
	2/17/2017	OH	OPEN	PERFORATED	14,765.0	14,766.0
	2/17/2017	OH	OPEN	PERFORATED	15,133.0	15,134.0
	2/17/2017	OH	OPEN	PERFORATED	15,101.0	15,102.0
	2/16/2017	OH	OPEN	PERFORATED	15,565.0	15,566.0
	2/16/2017	OH	OPEN	PERFORATED	15,629.0	15,630.0
	2/16/2017	OH	OPEN	PERFORATED	15,301.0	15,302.0
	2/16/2017	OH	OPEN	PERFORATED	15,533.0	15,534.0
	2/16/2017	OH	OPEN	PERFORATED	15,365.0	15,366.0
	2/16/2017	OH	OPEN	PERFORATED	15,501.0	15,502.0
	2/16/2017	OH	OPEN	PERFORATED	15,469.0	15,470.0
	2/16/2017	OH	OPEN	PERFORATED	15,328.0	15,329.0
	2/16/2017	OH	OPEN	PERFORATED	15,269.0	15,270.0
	2/16/2017	OH	OPEN	PERFORATED	15,429.0	15,430.0
	2/16/2017	OH	OPEN	PERFORATED	15,597.0	15,598.0
	2/16/2017	OH	OPEN	PERFORATED	15,397.0	15,398.0
	2/15/2017	OH	OPEN	PERFORATED	16,133.0	16,134.0
	2/15/2017	OH	OPEN	PERFORATED	16,198.0	16,199.0
	2/15/2017	OH	OPEN	PERFORATED	16,229.0	16,230.0
	2/15/2017	OH	OPEN	PERFORATED	15,797.0	15,798.0
	2/15/2017	OH	OPEN	PERFORATED	16,029.0	16,030.0
	2/15/2017	OH	OPEN	PERFORATED	16,101.0	16,102.0
	2/15/2017	OH	OPEN	PERFORATED	15,933.0	15,934.0
	2/15/2017	OH	OPEN	PERFORATED	15,669.0	15,670.0
	2/15/2017	OH	OPEN	PERFORATED	15,997.0	15,998.0
	2/15/2017	OH	OPEN	PERFORATED	15,765.0	15,766.0
	2/15/2017	OH	OPEN	PERFORATED	16,069.0	16,070.0
	2/15/2017	OH	OPEN	PERFORATED	15,829.0	15,830.0
	2/15/2017	OH	OPEN	PERFORATED	15,901.0	15,902.0
	2/15/2017	OH	OPEN	PERFORATED	15,701.0	15,702.0
	2/15/2017	OH	OPEN	PERFORATED	15,869.0	15,870.0
	2/15/2017	OH	OPEN	PERFORATED	16,165.0	16,166.0
	2/15/2017	OH	OPEN	PERFORATED	15,965.0	15,966.0
	2/15/2017	OH	OPEN	PERFORATED	15,733.0	15,734.0
	2/14/2017	OH	OPEN	PERFORATED	16,429.0	16,430.0
	2/14/2017	OH	OPEN	PERFORATED	16,565.0	16,566.0
	2/14/2017	OH	OPEN	PERFORATED	16,397.0	16,398.0
	2/14/2017	OH	OPEN	PERFORATED	16,469.0	16,470.0
	2/14/2017	OH	OPEN	PERFORATED	16,333.0	16,334.0
	2/14/2017	OH	OPEN	PERFORATED	16,365.0	16,366.0
	2/14/2017	OH	OPEN	PERFORATED	16,533.0	16,534.0
	2/14/2017	OH	OPEN	PERFORATED	16,269.0	16,270.0
	2/14/2017	OH	OPEN	PERFORATED	16,597.0	16,598.0
	2/14/2017	OH	OPEN	PERFORATED	16,629.0	16,630.0
	2/14/2017	OH	OPEN	PERFORATED	16,301.0	16,302.0
	2/14/2017	OH	OPEN	PERFORATED	16,501.0	16,502.0
	2/4/2017	OH	OPEN	PERFORATED	16,733.0	16,734.0
	2/4/2017	OH	OPEN	PERFORATED	16,669.0	16,670.0
	2/4/2017	OH	OPEN	PERFORATED	16,765.0	16,766.0
	2/4/2017	OH	OPEN	PERFORATED	16,797.0	16,798.0
	2/4/2017	OH	OPEN	PERFORATED	16,829.0	16,830.0
	2/4/2017	OH	OPEN	PERFORATED	16,701.0	16,702.0

SUMMARY

DRILL OUT ALL THE PLUGS. SENT GEL SWEEP AFTER EACH PLUG. POOH.

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 3/3/2017

AFE No: 2124239

## Daily Completion and Workover Report

DOL:

## OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 06:30	6.50	DRLOUT	32 P - COILED TUBING	F - DRILL OUT	<p>DRILLED OUT (2) COPPERHEAD PLUGS. DRILLED ADDITIONAL BOSS HOG PLUGS #3 THROUGH #6. SENT GEL SWEEPS AFTER EACH PLUG. INCREASED FLOWRATE INCREMENTALLY AFTER DRILLING EACH BOSS HOG PLUG. TAGGED #7. ONCE 10/10/10 GEL SWEEP EXIT END OF COIL. SHORT TRIP TO LINER TOP @ 10,993' DETAILED REPORT AS FOLLOWS:</p> <p>1ST PLUG COPPER HEAD @ 11,934 CTM 11,253' WLM PUMP RATE - 2.5 BPM. FLOW RATE - 2.5 BPM CTP - 5,500 PSIG. WH - 53400 PSIG DRILL TIME - 59 MIN SENT 10 BBL GEL SWEEP</p> <p>2ND PLUG COPPERHEAD @ 12,132 CTM 11,293' WLM PUMP RATE - 2.5 BPM. FLOW RATE - 2.5 BPM CTP - 5,500 PSIG. WH - 5,300 PSIG DRILL TIME - 61 MIN SENT 10 BBL GEL SWEEP</p> <p>3RD PLUG @ 12,232 CTM 12,249' WLM PUMP RATE - 2.5 BPM. FLOW RATE - 2.5 BPM CTP - 5,700 PSIG. WH - 4,100 PSIG DRILL TIME - 28 MIN SENT 10 BBL GEL SWEEP</p> <p>4TH PLUG @ 12,433' CTM 12,449' WLM PUMP RATE - 2.5 MIN. FLOW RATE - 2.7 BPM CTP - 5,300 PSIG. WH - 4,200 PSIG DRILL TIME - 18 MIN SENT 10 BBL GEL SWEEP</p> <p>5TH PLUG @ 12,631' CTM 12,649' WLM PUMP RATE - 2.5 MIN. FLOW RATE - 3.1 BPM CTP - 5,400 PSIG. WH - 4,170 PSIG DRILL TIME - 37 MIN SENT 10 BBL GEL SWEEP</p> <p>6TH PLUG @ 12,831' CTM 12,849' WLM PUMP RATE - 2.7 MIN. FLOW RATE - 3.6 BPM CTP - 5,400 PSIG. WH - 4,000 PSIG DRILL TIME - 14 MIN SENT 10/10/10 BBL GEL INCREASED RATE TO 4.2 BPM</p> <p>TAGGED #7 @ 13,030 HRS. SHORT TRIP TO LINER TOP.</p>
06:30 - 08:30	2.00	DRLOUT	32 P - COILED TUBING	G - SHORT TRIP	SHORT TRIP TO LINER TOP.
08:30 - 10:05	1.58	DRLOUT	32 P - COILED TUBING	F - DRILL OUT	<p>7TH PLUG @ 13,027' CTM 13,049' WLM PUMP RATE - 2.5 BPM. FLOW RATE - 4.1 BPM CTP - 4,700 PSIG. WH - 3,900 PSIG DRILL TIME - 7 MIN SENT 10 BBL GEL SWEEP</p> <p>8TH PLUG @ 13,227 CTM 13,249' WLM PUMP RATE - 2.5 BPM. FLOW RATE - 4.0 BPM CTP - 5,400 PSIG. WH - 3,900 PSIG DRILL TIME - 13 MIN SENT 10 BBL GEL SWEEP</p> <p>9TH PLUG @ 13,422 CTM 13,449' WLM PUMP RATE - 2.5 BPM. FLOW RATE - 4.1 BPM CTP - 5,000 PSIG. WH - 4,000 PSIG DRILL TIME - 11 MIN SENT 10 BBL GEL SWEEP</p> <p>BLUE QUAIL WAS SCHEDULED TO FILL THE PUMP DOWN TANKS @ 0800 HRS. AND 2000 HRS. BUT THE TANKS ARE ALMOST EMPTY SO WE ARE POOH TO THE VERTICAL UNTIL WE HAVE WATER TO CONTINUE.</p>

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 3/3/2017

AFE No: 2124239

## Daily Completion and Workover Report

DOL:

## OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
10:05 - 13:55	3.83	DRLOUT	32 P - COILED TUBING	F - DRILL OUT	<p>10TH PLUG @ 13,619' CTM 13,649' WLM PUMP RATE - 2.5 BPM. FLOW RATE - 4.1 BPM CTP - 5,280 PSIG. WH - 4,000 PSIG DRILL TIME - 12 MIN SENT 10 BBL GEL SWEEP</p> <p>11TH PLUG @ 13,818 CTM 13,849' WLM PUMP RATE - 2.5 BPM. FLOW RATE - 4.0 BPM CTP - 5,400 PSIG. WH - 3,900 PSIG DRILL TIME - 6 MIN SENT 10 BBL GEL SWEEP</p> <p>12TH PLUG @ 14,019 CTM 14,049' WLM PUMP RATE - 2.5 BPM. FLOW RATE - 4.1 BPM CTP - 5,000 PSIG. WH - 4,000 PSIG DRILL TIME - 18 MIN SENT 10 BBL GEL SWEEP</p> <p>13TH PLUG @ 14,221 CTM 14,249' WLM PUMP RATE - 2.5 BPM. FLOW RATE - 4.1 BPM CTP - 5,000 PSIG. WH - 4,000 PSIG DRILL TIME - 9 MIN SENT 10 BBL GEL SWEEP</p> <p>14TH PLUG @ 14,422 CTM 14,449' WLM PUMP RATE - 2.5 BPM. FLOW RATE - 4.1 BPM CTP - 5,600 PSIG. WH - 4,000 PSIG DRILL TIME - 8 MIN SENT 10 BBL GEL SWEEP</p> <p>15TH PLUG @ 14,621 CTM 14,649' WLM PUMP RATE - 2.5 BPM. FLOW RATE - 4.1 BPM CTP - 5,600 PSIG. WH - 3,900 PSIG DRILL TIME - 11 MIN SENT 10/10/10 BBL GEL SWEEP. WAITED FOR GEL SWEEP TO EXIT COIL BEFORE SHORT TRIP.</p>
13:55 - 14:30	0.58	DRLOUT	32 P - COILED TUBING	G - SHORT TRIP	SHORT TRIP 500'

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 3/3/2017

AFE No: 2124239

## Daily Completion and Workover Report

DOL:

## OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
14:30 - 19:30	5.00	DRLOUT	32 P - COILED TUBING	F - DRILL OUT	<p>16TH PLUG @ 14,822' CTM 14,849' WLM PUMP RATE - 2.5 BPM. FLOW RATE - 4.0 BPM CTP - 5,000 PSIG. WH - 4,000 PSIG DRILL TIME - 8 MIN SENT 10 BBL GEL SWEEP</p> <p>17TH PLUG @ 15,021 CTM 15,049' WLM PUMP RATE - 2.5 BPM. FLOW RATE - 4.0 BPM CTP - 5,500 PSIG. WH - 3,900 PSIG DRILL TIME - 9 MIN SENT 10 BBL GEL SWEEP</p> <p>18TH PLUG @ 15,221 CTM 15,249' WLM PUMP RATE - 2.5 BPM. FLOW RATE - 4.0 BPM CTP - 5,400 PSIG. WH - 4,000 PSIG DRILL TIME - 7 MIN SENT 10 BBL GEL SWEEP</p> <p>19TH PLUG @ 15,421 CTM 15,449' WLM PUMP RATE - 2.5 BPM. FLOW RATE - 4.0 BPM CTP - 5,400 PSIG. WH - 4,000 PSIG DRILL TIME - 10 MIN SENT 10 BBL GEL SWEEP</p> <p>20TH PLUG @ 15,620 CTM 15,649' WLM PUMP RATE - 2.5 BPM. FLOW RATE - 4.1 BPM CTP - 5,500 PSIG. WH - 3,900 PSIG DRILL TIME - 11 MIN SENT 10 BBL GEL SWEEP</p> <p>21TH PLUG @ 15,822 CTM 15,849' WLM PUMP RATE - 2.5 BPM. FLOW RATE - 4.0 BPM CTP - 5,400 PSIG. WH - 3,960 PSIG DRILL TIME - 7 MIN</p> <p>22ND PLUG @ 16,024 CTM 16,049' WLM PUMP RATE - 2.5 BPM. FLOW RATE - 4.0 BPM CTP - 5,500 PSIG. WH - 3,950 PSIG DRILL TIME - 8 MIN</p> <p>23RD PLUG @ 16,224 CTM 16,249' WLM PUMP RATE - 2.5 BPM. FLOW RATE - 4.0 BPM CTP - 5,500 PSIG. WH - 3,950 PSIG DRILL TIME - 6 MIN</p> <p>24TH PLUG @ 16,423 CTM 16,449' WLM PUMP RATE - 2.5 BPM. FLOW RATE - 4.0 BPM CTP - 5,290 PSIG. WH - 3,950 PSIG DRILL TIME - 9 MIN</p> <p>25TH PLUG @ 16,623CTM 16,649' WLM PUMP RATE - 2.5 BPM. FLOW RATE - 4.0 BPM CTP - 5,240 PSIG. WH - 3,950 PSIG DRILL TIME - 6 MIN</p> <p>SENT 10/10/10 BBL GEL SWEEP. WAITED FOR GEL SWEEP TO EXIT COIL BEFORE POOH.</p>
19:30 - 00:00	4.50	DRLOUT	32 P - COILED TUBING	P - TRIPPING	POOH. SENDING GEL SWEEP EVERY 1000'.