

WINS No: J8081		YOKUM UL UNIT 19-4 3H		Date: 2/2/2017	
AFE No: 2124239		Daily Completion and Workover Report		DOL:	

OPERATE SUMMARY: PULLED BPV WITH CAMERON LUBRICATOR. MIRU CAMERON TBG HEAD, PACKED OFF SEALS TO 13,000 PSI AND TEST SEALS TO 5,000 PSI (15 MIN). MIRU STUART FRAC VALVES NU, DRIFT AND PRESSURE TEST (2) 10K 7-1/16" MFV (1) 10M GOATHEAD (1) 10K 7-1/16" NIGHT CAP.					
REPT NO. 1	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME YOKUM UL UNIT 19-4 1H/2H/3H PAD	SUPERVISOR / ENGINEER DARYL LABELGOTT / RYAN LEACHMAN	
SPLIT DATE 12/15/2016	API 4230133030	STATE TEXAS	COUNTY LOVING	DIVISION US SOUTHERN REGION	RIG NAME
CURRENT STATUS WAITING ON DAYLIGHT					
24 HR FORECAST OPEN ALPHA SLEEVE. PNP STG 1.					
GL ELEV 2,771.0 (ft)	RKB 2,796.01 (ft)	FORMATION		TMD	TVD
JOB # 2124239	JOB START DATE 2/2/2017	JOB OBJECTIVE DEVELOPMENT		AUTH COST / Wt% \$ 5,342,866 / 100 %	DAY COST / CUM COST \$61,505 / \$61,505

CASING DETAILS							
ASSEMBLY	SIZE	INST DATE	FROM (ft)	TO (ft)	SIZE	WEIGHT	GRADE

PERFORATIONS						
ZONE	DATE	SIDETRACK #	STATUS	TYPE	TOP (ft)	BASE (ft)

SUMMARY					
PULLED BPV WITH CAMERON LUBRICATOR. MIRU CAMERON TBG HEAD, PACKED OFF SEALS TO 13,000 PSI AND TEST SEALS TO 5,000 PSI (15 MIN). MIRU STUART FRAC VALVES NU, DRIFT AND PRESSURE TEST (2) 10K 7-1/16" MFV (1) 10M GOATHEAD (1) 10K 7-1/16" NIGHT CAP.					

OPERATION DETAILS					
HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 07:00	7.00	SURFPR	46 P - WAITING	D - DAYLIGHT	WAITING ON DAYLIGHT
07:00 - 07:30	0.50	SURFPR	48 P - SAFETY	1 - JSA/SAFETY MEETING	HELD SAFETY PJSM W / ALL PERSONNEL ON LOCATION. REVIEW JSA AND DISCUSS SAFETY MEETING AREA, PPE, FRC CLOTHING, PINCH POINTS, PRESSURE RELEASE, SMOKING AREA. OVERHEAD LOADS, TRIPS, SLIPS AND FALLS. STOP WORK AURTH, COMMUNICATION.
07:30 - 09:45	2.25	SUBSPR	47 P - COMPLETION EQUIPMENT	A - RIG UP/ RIG DOWN	PULLED BPV WITH CAMERON LUBRICATOR. MIRU CAMERON TBG HEAD, PACKED OFF SEALS TO 13,000 PSI AND TEST SEALS TO 5,000 PSI. (15 MIN)
09:45 - 13:00	3.25	SUBSPR	47 P - COMPLETION EQUIPMENT	A - RIG UP/ RIG DOWN	MIRU STUART FRAC VALVES NU, DRIFT AND PRESSURE TEST (1) 10K 7-1/16" MFV (1) 10K 7-1/16" MFV (1) 10M GOATHEAD (1) 10K 7-1/16" NIGHT CAP MIRU IH PVM, PRESSURE TEST STACK TO 10,000PSI FOR 15 MINS. GOOD TEST. RU 1502 SUPPORT IRON AND PLUG VALVE MANIFOLD AND PRESSURE TEST. RU IRON TO OPEN TOP TANK
13:00 - 00:00	11.00	SUBSPR	46 P - WAITING	D - DAYLIGHT	WAITING ON DAYLIGHT

WINS No: J8081		YOKUM UL UNIT 19-4 3H		Date: 2/3/2017		
AFE No: 2124239		Daily Completion and Workover Report		DOL:		
OPERATE SUMMARY: TEST B-SECTION TO 1,500 PSI, PRESSURE TEST PUMP IRON TO 9,500 PSI. OPEN ALPHA SLEEVE, PUMP 15 % ACID. PUMP TOTAL 500 BBLs						
REPT NO. 2	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME YOKUM UL UNIT 19-4 1H/2H/3H PAD		SUPERVISOR / ENGINEER DARYL LABELGOTT / RYAN LEACHMAN	
SPIIN DATE 12/15/2016	API 4230133030	STATE TEXAS	COUNTY LOVING	DIVISION US SOUTHERN REGION	RIG NAME	
CURRENT STATUS RIGGING UP PUMP IRON						
24 HR FORECAST TEST B-SECTION, PRESSURE TEST PUMP IRON TO 9,500 PSI. OPEN ALPHA SLEEVE, PUMP ACID						
GL ELEV 2,771.0 (ft)	RKB 2,796.01 (ft)	FORMATION WOLFCAMP W1		TMD	TVD	
JOB # 2124239	JOB START DATE 2/2/2017	JOB OBJECTIVE DEVELOPMENT	AUTH COST / W1% \$ 5,342,866 / 100 %		DAY COST / CUM COST \$14,994 / \$76,499	
CASING DETAILS						
ASSEMBLY	SIZE	INST DATE	FROM (ft)	TO (ft)	THRDS	
PERFORATIONS						
ZONE	DATE	SIDETR #	STATUS	TYPE	TOP (ft)	BASE (ft)
	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						
TEST B-SECTION TO 1,500 PSI, PRESSURE TEST PUMP IRON TO 9,500 PSI. OPEN ALPHA SLEEVE, PUMP 15 % ACID. PUMP TOTAL 500 BBLs						
OPERATION DETAILS						
HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION	
00:00 - 09:00	9.00	SUBSPR	46 P - WAITING	D - DAYLIGHT	WAITING ON DAYLIGHT.	
09:00 - 09:30	0.50	SUBSPR	48 P - SAFETY	1 - JSA/SAFETY MEETING	HELD SAFETY PJSM W / ALL PERSONNEL ON LOCATION. REVIEW JSA AND DISCUSS SAFETY MEETING AREA, PPE, FRC CLOTHING, PINCH POINTS, PRESSURE RELEASE, SMOKING AREA. OVERHEAD LOADS, TRIPS, SLIPS AND FALLS. STOP WORK AURTH, COMMUNICATION.	
09:30 - 16:00	6.50	SUBSPR	47 P - COMPLETION EQUIPMENT	A - RIG UP/ RIG DOWN	MIRU VIKING 2250 HP PUMP TRUCKS. TEST PUMP IRON TO 9,500 FOR 10 MINS. PUMP THRU AND FLOW THRU BOTH 1 13/16 15M CSG VALVES. NO VR PLUG PRESENT. AFTER PRESSURE TEST ALL SURFACE EQUIPMENT TP 9,500 PSI. HELD GOOD. TEST B-SEC 1500 PSI HELD GOOD FOR 10 MINS. BLED BACK TO 0500 AND S/N (MONITORING). (3 BBLs TO LOAD)	
16:00 - 18:00	2.00	SUBSPR	40 P - TREATMENT	B - ACIDIZING	OPEN WELL AND BEGAN PUMPING. PUMPED 14 BBLs OF FLUID AND SLEEVE OPEN AT 8,400PSIG. LOADED WELL WITH 60 BBLs OF 15% HCL NEFE / 10 BBLs SPACER / 20 BBL HIGH VIS SWEEP CONTINUED PUMPING 493 BBLs OF FULID BEHIND SWEEP TO PUT ACID AWAY. SICP @ 5,350 PSI.	
18:00 - 22:00	4.00	SUBSPR	46 P - WAITING	H - PAD WELL OPS	WAIT TO OPEN ALPHA SLEEVE ON 2H.	
22:00 - 23:20	1.33	SURFPR	34 P - WIRELINE	1 - RU / RD WIRELINE	MIRU GE WL AND ENERGY SERVICES 7" 10M LUBE & BOP PACKAGE. REHEAD WL WITH 2" FISHING NECK AND 2-3/4" WEIGHT BARS. PRESSURE TEST LUBE TO 9,000 PSI.	
23:20 - 00:00	0.67	SUBSPR	46 S - WAITING	E - THIRD-PARTY EQUIPMENT	EQUALIZE & OPENED WELL RIH W/ 3.650" GRJB, CCL AND WT BARS.	

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/4/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATE SUMMARY: SET COPPERHEAD AND TEST CASING AT 8900# FOR 30 MIN. TEST GOOD. PNP STAGE 1 COMPLETE.

REPT NO. 3		OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME YOKUM UL UNIT 19-4 1H/2H/3H PAD		SUPERVISOR / ENGINEER DARYL DABELGOTT / RYAN LEACHMAN									
SPIN DATE 12/15/2016		API 4230133030		STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION		RIG NAME					
CURRENT STATUS WAITING ON FRAC															
24 HR FORECAST WAITING ON FRAC															
GL ELEV 2,771.0 (ft)		RKB 2,796.01 (ft)		FORMATION WOLFCAMP W1				TMD		TVD		PBTMD		PBTVD	
JOB # 2124239		JOB START DATE 2/2/2017		JOB OBJECTIVE DEVELOPMENT				AUTH COST / WI% \$ 5,342,866 / 100 %				DAY COST / CUM COST \$46,715 / \$123,214			

CASING DETAILS

ASSEMBLY	SIZE	INST DATE	FROM (ft)	TO (ft)	SIZE	WEIGHT	GRADE	THRDS
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PERFORATIONS

ZONE	DATE	SIDETRACK #	STATUS	TYPE	TOP (ft)	BASE (ft)
	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

SET COPPERHEAD AND TEST CASING AT 8900# FOR 30 MIN. TEST GOOD. PNP STAGE 1 COMPLETE.

OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 04:10	4.17	SUBSPR	34 P - WIRELINE	G - WIRELINE TAG FOR FILL	EQUALIZE. WH - 5,300 PSI. CORRELATE TO LINER TOP. RIH WITH GR/JB (3.625") TO (16,849') @ PLUG SETTING DEPTH. RATES AND PRESSURE AS FOLLOWS: 2.0 BPM - 5,500 PSI 6.0 BPM - 6,200 PSI 9.0 BPM - 6,300 PSI LOG OUT OF HOLE.
04:10 - 08:30	4.33	SUBSPR	34 P - WIRELINE	H - WIRELINE PERFORATION	EQUALIZE & RIH WITH PERF GUNS SELECTION: 6-1" X 2 3/4" (24 SHOTS) GUNS W/EXP-2716-421T CHARGES. 16 GM, 0.38" EHD, 4 SPF, 60 DEG PHASING - WITH SLB 10K COPPERHEAD ALUMINUM BRIDGE PLUG. 2.0 BPM - 5,500 PSI 6.0 BPM - 6,200 PSI 9.0 BPM - 6,300 PSI PDV: PULLED IN TO POSTION TO SET PLUG. CIRCUIT OPEN AND SHORT. POOH TO INSPECT TOOLS.
08:30 - 10:00	1.50	SUBSPR	34 P - WIRELINE	1 - RU / RD WIRELINE	REDRESS GUNS STRING. AND RBH.
10:00 - 12:30	2.50	SUBSPR	34 P - WIRELINE	H - WIRELINE PERFORATION	EQUALIZE & RIH WITH PERF GUNS SELECTION: 6-1" X 2 3/4" (24 SHOTS) GUNS W/EXP-2716-421T CHARGES. 16 GM, 0.38" EHD, 4 SPF, 60 DEG PHASING - WITH SLB 10K COPPERHEAD ALUMINUM BRIDGE PLUG. 2.0 BPM - 5,600 PSI 6.0 BPM - 6,300 PSI 9.0 BPM - 6,500 PSI PDV: SET PLUG @ 16,849' DEPTH - PICK UP 5 FT, PRESSURE TEST CASING TO 8,900 PSI, HOLD TEST FOR 30 MINUTES. TEST GOOD. BLEED DOWN WELL TO OPENING PRESSURE - PERF STG #1 16,829 - 30' 16,797 - 98' 16,765 - 66' 16,733 - 34' 16,701 - 02' 16,669 - 70' POOH WITH SPENT GUNS, SECURE WELL - SICP @ 4,200 PSI. RIG DOWN WIRELINE UNIT & SUPPORT EQUIPMENT. NIPPLE UP GOATHEAD & CROWN VALVE WITH NIGHT CAP.
12:30 - 13:30	1.00	SUBSPR	34 P - WIRELINE	1 - RU / RD WIRELINE	RDMO. WAITING ON FRAC.
13:30 - 00:00	10.50	SUBSPR	46 P - WAITING	D - DAYLIGHT	WAITING ON DAYLIGHT.

WINS No: J8081		YOKUM UL UNIT 19-4 3H			Date: 2/11/2017	
AFE No: 2124239		Daily Completion and Workover Report			DOL:	
OPERATE SUMMARY: MIRU 10K 7 1/16" STUART FRAC STACK AND HYDRAULIC MANIFOLD						
REPT NO. 4	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME YOKUM UL UNIT 19-4 1H/2H/3H PAD		SUPERVISOR / ENGINEER DOUG ANDERSON / RYAN LEACHMAN	
SPIID DATE 12/15/2016	API 4230133030	STATE TEXAS	COUNTY LOVING	DIVISION US SOUTHERN REGION	RIG NAME	
CURRENT STATUS WAITING FOR FRAC						
24 HR FORECAST WAITING FOR FRAC						
GL ELEV 2,771.0 (ft)	RKB 2,796.01 (ft)	FORMATION WOLFCAMP W1		TMD	TVD	PBTMD PBTVD
JOB # 2124239	JOB START DATE 2/2/2017	JOB OBJECTIVE DEVELOPMENT		AUTH COST / WI% \$ 5,342,866 / 100 %		DAY COST / CUM COST \$26,085 / \$149,299
CASING DETAILS						
ASSEMBLY	SIZE	INST DATE	FROM (ft)	TO (ft)	SIZE	WEIGHT GRADE THRDS
PERFORATIONS						
ZONE	DATE	SIDETRK #	STATUS	TYPE	TOP (ft)	BASE (ft)
	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						
MIRU 10K 7 1/16" STUART FRAC STACK AND HYDRAULIC MANIFOLD						
OPERATION DETAILS						
HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION	
00:00 - 07:00	7.00	SURFPR	46 P - WAITING	D - DAYLIGHT	WFDL	
07:00 - 07:30	0.50	SURFPR	48 P - SAFETY	1 - JSA/SAFETY MEETING	HELD PJSM. DISCUSSED JSEA TOPICS: PPE, PINCHPOINTS, OVERHEAD LOADS, TAG LINE, HIGH PRESSURE, GOOD COMMUNICATION, REPORT ALL INCIDENTS / ACCIDENTS, HYDRATION, NEAREST HOSPITAL (KERMIT) AND RIGHT TO SHUT AN UNSAFE ACT.	
07:30 - 19:00	11.50	SURFPR	36 P - FRACING	1 - RU / RD FRAC EQP	MIRU 10K 7 1/16" STUART FRAC STACK AND HYDRAULIC MANIFOLD. ALL VALVES DRIFTED. PRESSURE TEST STACK TO 9500 PSI. (GOOD TEST)	
19:00 - 00:00	5.00	FRAC	46 P - WAITING	F - THIRD-PARTY SERVICES/PERS ONNEL	WAIT ON FRAC	

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/12/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATE SUMMARY: INSTALL WL BOP'S AND BRGIN RIG UP FRAC

REPT NO. 5		OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME YOKUM UL UNIT 19-4 1H/2H/3H PAD		SUPERVISOR / ENGINEER DOUG ANDERSON / RYAN LEACHMAN									
SPIN DATE 12/15/2016		API 4230133030		STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION		RIG NAME					
CURRENT STATUS WAIT ON FRAC															
24 HR FORECAST MIRU FRAC EQUIPMENT															
GL ELEV 2,771.0 (ft)		RKB 2,796.01 (ft)		FORMATION WOLFCAMP W1				TMD		TVD		PBTMD		PBTVD	
JOB # 2124239		JOB START DATE 2/2/2017		JOB OBJECTIVE DEVELOPMENT				AUTH COST / WI% \$ 5,342,866 / 100 %				DAY COST / CUM COST \$24,085 / \$173,384			

CASING DETAILS

ASSEMBLY	SIZE	INST DATE	FROM (ft)	TO (ft)	SIZE	WEIGHT	GRADE	THRDS
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PERFORATIONS

ZONE	DATE	SIDETRCK #	STATUS	TYPE	TOP (ft)	BASE (ft)
	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

INSTALL WL BOP'S AND BRGIN RIG UP FRAC

OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 09:00	9.00	FRAC	46 P - WAITING	F - THIRD-PARTY SERVICES/PERS ONNEL	WAIT ON FRAC
09:00 - 09:30	0.50	SURFPR	48 P - SAFETY	1 - JSA\SAFETY MEETING	HELD PJSM. DISCUSSED JSEA TOPICS: PPE, GOOD COMMUNICATION, OVERHEAD LOADS, TAG LINE, FALL PROTECTION AND THE RIGHT TO SHUT DOWN AN UNSAFE ACT.
09:30 - 00:00	14.50	FRAC	36 P - FRACING	1 - RU / RD FRAC EQP	NU WIRELINE BOP. P/U 15K LUBRICATOR. PRESSURE TEST TO 9,300 PSIG. HELD OK. LAID LUBRICATOR BACK DOWN. PUMPCO HAS (4) SAND CHIEFS ON LOCATION. MIRU PUMPCO FRAC SERVICES

WINS No: J8081		YOKUM UL UNIT 19-4 3H			Date: 2/13/2017	
AFE No: 2124239		Daily Completion and Workover Report			DOL:	
OPERATE SUMMARY: MIRU PUMPCO FRAC SERVICES						
REPT NO. 6	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME YOKUM UL UNIT 19-4 1H/2H/3H PAD		SUPERVISOR / ENGINEER DOUG ANDERSON / RYAN LEACHMAN	
SPIID DATE 12/15/2016	API 4230133030	STATE TEXAS	COUNTY LOVING		DIVISION US SOUTHERN REGION	RIG NAME
CURRENT STATUS MIRU FRAC						
24 HR FORECAST MIRU PUMPCO FRAC SERVICES						
GL ELEV 2,771.0 (ft)	RKB 2,796.01 (ft)	FORMATION WOLFCAMP W1		TMD	TVD	PBTMD PBTVD
JOB # 2124239	JOB START DATE 2/2/2017	JOB OBJECTIVE DEVELOPMENT		AUTH COST / WI% \$ 5,342,866 / 100 %		DAY COST / CUM COST \$25,795 / \$200,889
CASING DETAILS						
ASSEMBLY	SIZE	INST DATE	FROM (ft)	TO (ft)	SIZE	WEIGHT GRADE THRDS
PERFORATIONS						
ZONE	DATE	SIDETRK #	STATUS	TYPE	TOP (ft)	BASE (ft)
	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						
MIRU PUMPCO FRAC SERVICES						
OPERATION DETAILS						
HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION	
00:00 - 06:00	6.00	FRAC	47 P - COMPLETION EQUIPMENT	A - RIG UP/ RIG DOWN	MIRU FRAC AND UNLOAD PROPPANT	
06:00 - 00:00	18.00	FRAC	36 P - FRACING	1 - RU / RD FRAC EQP	MIRU PUMPCO FRAC SERVICES. RESTRAIN ALL FRAC IRON.	

WINS No: J8081		YOKUM UL UNIT 19-4 3H		Date: 2/14/2017	
AFE No: 2124239		Daily Completion and Workover Report		DOL:	
OPERATE SUMMARY: STIMULATE STG 1&2 PLACING 997700,LBS OF 100 MESH IN 22,557 BBLs OF SW. PLUG AND PERF STG 2& 3 WITH (48) SHOTS OF EXP-2716-421T CHARGES, 16GM 0.38" EHD 4 SPF FROM 16,630' -16,270'					
REPT NO. 7	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME YOKUM UL UNIT 19-4 1H/2H/3H PAD		SUPERVISOR / ENGINEER DOUG ANDERSON / RYAN LEACHMAN
SPIIID DATE 12/15/2016	API 4230133030	STATE TEXAS	COUNTY LOVING	DIVISION US SOUTHERN REGION	RIG NAME
CURRENT STATUS MIRU FRAC EQUIPMENT					
24 HR FORECAST STIMULATION OPS					
GL ELEV 2,771.0 (ft)	RKB 2,796.01 (ft)	FORMATION WOLFCAMP W1		TMD	TVD
JOB # 2124239	JOB START DATE 2/2/2017	JOB OBJECTIVE DEVELOPMENT		AUTH COST / W1% \$ 5,342,866 / 100 %	DAY COST / CUM COST \$97,972 / \$298,860
CASING DETAILS					
ASSEMBLY	SIZE	INST DATE	FROM (ft)	TO (ft)	SIZE
PERFORATIONS					
ZONE	DATE	SIDETRK #	STATUS	TYPE	TOP (ft)
	2/4/2017	OH	OPEN	PERFORATED	16,733.0
	2/4/2017	OH	OPEN	PERFORATED	16,669.0
	2/4/2017	OH	OPEN	PERFORATED	16,765.0
	2/4/2017	OH	OPEN	PERFORATED	16,797.0
	2/4/2017	OH	OPEN	PERFORATED	16,829.0
	2/4/2017	OH	OPEN	PERFORATED	16,701.0
SUMMARY					
STIMULATE STG 1&2 PLACING 997700,LBS OF 100 MESH IN 22,557 BBLs OF SW. PLUG AND PERF STG 2& 3 WITH (48) SHOTS OF EXP-2716-421T CHARGES, 16GM 0.38" EHD 4 SPF FROM 16,630' -16,270'					

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/14/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 02:30	2.50	FRAC	47 P - COMPLETION EQUIPMENT	A - RIG UP/ RIG DOWN	FINISH RU FRAC PUMPS, IRON AND RESTRAINTS
02:30 - 05:30	3.00	FRAC	52 P - PRESSURE TEST	B - PRE FRAC	CHASE LEAKS AND PRESSURE TEST LINES TO 9120 PSI
05:30 - 06:00	0.50	FRAC	48 P - SAFETY	1 - JSA/SAFETY MEETING	HELD PRE FRAC SAFETY MEETING WITH ALL PERSONNEL. DISCUSSED JSEA TOPICS: PPE, RED ZONES (LIMITED ACCESS), FALL PROTECTION, MANLIFT OPS, HIGH PRESSURE, NEAREST HOSPITAL (KERMIT), RESPIRATORS, OVERHEAD LOADS, AND THE RIGHT TO SHUT DOWN AN UNSAFE ACT.
06:00 - 06:45	0.75	FRAC	36 P - FRACING	1 - RU / RD FRAC EQP	PRESSURE TEST FRAC IRON TO 9,600 PSIG. HELD OK. THE MECHANICAL POP-OFF SET TO RELEASE @ 8,960 PSIG. THE NITROGEN POP-OFF SET TO RELEASE @ 8,910 PSIG. SET THE POP-OFF ON THE A-SECTION TO RELEASE @ 1,800 PSIG. HOLDING 800 PSIG ON A-SECTION. PRESSURE TEST PUMP DOWN LINE TO 8,160 PSIG. HELD OK. SET POP-OFF ON PUMP DOWN TO RELEASE @ 8,100 PSIG. PUMPCO OPENED THE WELL FOR STAGE #1 @ 0645 HRS.
06:45 - 11:18	4.55	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	<p>FRAC STAGE #1</p> <p>ATR: 59.3 BPM SW: 11,094 BBLS ATP: 8,189 PSI PDV: 1132 BBLS MTR: 66.2 BPM TOTAL FLUIDS: 12,254.8 BBLS MTP: 8,640 PSI 100 M: 498,380 LBS 15%: 28.8 BBLS</p> <p>ISIP - 5,400 PSIG FG - 0.895 PSI/FT NON-PRODUCTIVE TIME: 0.7 HRS</p> <p>STAGE REMARKS: OPENED WELL AT 06:46 WITH 5,220 PSI AND BREAKDOWN OF 7,480 PSI @ 11.5 BPM. PUMPED 1,209 GALLONS 15% HCL ACID (GOOD BREAK). SD FOR 0.7 HRS DURING PAD TO FIX LEAK ON CHICK, PUMP #12. DECREASED FR THROUGHOUT STAGE AS PRESSURE ALLOWED. INCREASED FR TO 1.0 GPT HALFWAY THRU 2.0 PPG SAND STAGE TO PREPARE WELLBORE FOR FLUSH. INCREASED RATE (10 BPM OVER DESIGN - OR AS PRESSURE ALLOWED) AFTER CUTTING BLENDER SCREWS FOR FLUSH. PUMPED 20 GALLONS OF STIM GEL AT THE BEGINNING OF FLUSH. OVER-FLUSHED 200 BBLS. ALL PROPPANT PLACED. (USED PUMPCO TREATMENT PLOT - LOST DATA WHILE RUNNING FRACPRO).</p>
11:18 - 11:43	0.42	FRAC	37 P - PERFORATING	1 - RU / RD PERFORATING EQUIPMENT	P/U 3.50" FTCP BOSS HOGG FRAC PLUG AND GUNS. EQUALIZE PRESSURE TO 5,150 PSIG. OPEN HYDRAULIC MASTER VALVE. RIH.
11:43 - 17:00	5.28	FRAC	37 P - PERFORATING	B - OVERBALANCED PERF.	<p>PNP STAGE #2.</p> <p>RIH W/ (6) - 1' X 2.750" (24 SHOTS) GUN W/ TITAN EXP-2716-421T CHARGES, 16GM 0.38" EHD LOADED 4 SPF, 60 DEG PHS & BOSS HOGG FRAC 3.50" OD FTCP. PUMP TOOLS DOWN IN LATERAL SECTION, CORRELATE TO 7" x 4 1/2" LINER ELEMENT TOP (10,993'). PUMP TOOLS DOWN IN LATERAL SECTION, RUNNING SPEED: 400 FPM</p> <p>3 BPM @ 5,080 PSIG 6 BPM @ 5,550 PSIG 9 BPM @ 6,160 PSIG 11 BPM @ 6,380 PSIG</p> <p>MAX PRESS - 6,420 PSIG PDV - 117 BBLS</p> <p>PULL INTO POSITION & PERF INTERVALS FROM</p> <p>FTCBP 16,649' 16,629' - 30' 16,597' - 98' 16,565' - 66' 16,533' - 34' 16,501' - 02' 16,469' - 70'</p> <p>POOH ABOVE TOOL TRAP & CLOSE UPPER FRAC VALVE TO MAKE SURE TOOL STRING WAS ABOVE (IT WAS). LAY GUNS DOWN. CONFIRMED ALL SHOTS FIRED.</p>
17:00 - 17:55	0.92	FRAC	36 P - FRACING	1 - RU / RD FRAC EQP	LAI DOWN LUBRICATOR. VERIFIED ALL SHOTS FIRED. COULD NOT PULL GUNS OUT OF LUB. BREAK DOWN GREASE HEAD, TUBES FULL OF SAND, CUT WIRE TO CLEAN GREASE HEAD, FLUSH WELL WITH 1-1/2 WELLBORE VOLUMES TO CLEAN. REPLACE GREASE TUBES AND REHEAD WIRELINE. DROPPED BALL. TURN WELL OVER TO FRAC.

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/14/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
17:55 - 18:05	0.17	FRAC	52 P - PRESSURE TEST	B - PRE FRAC	EQUALIZE AND OPEN WELL W/ 5100 PSI.
18:05 - 22:18	4.22	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	<p>FRAC STAGE # 2</p> <p>ATR: 59.8 BPM SW: 10,400.7 BBLS</p> <p>ATP: 7,949 PSI PDV: 103 BBLS</p> <p>MTR: 69.5 BPM TOTAL FLUIDS: 11,317.1 BBLS</p> <p>MTP: 8,570 PSI 100 M: 499,320 LBS</p> <p>15%: 27.8 BBLS</p> <p>ISIP - 5,410 PSIG</p> <p>FG - 0.896 PSI/FT</p> <p>NON-PRODUCTIVE TIME: 2.00 HRS</p> <p>STAGE REMARKS:</p> <p>NPT - 4.6 HOURS FOR WIRELINE ISSUES AND SWEEP WELL. OPENED WELL AT 18:04 WITH 4,930 PSI. PUMPED 1,151 GALLONS 15% HCL ACID (NO BREAK). NO BALL SEEN. DECREASED FR THROUGHOUT STAGE AS PRESSURE ALLOWED. INCREASED FR TO 1.0 GPT HALFWAY THRU 2.0 PPG SAND STAGE TO PREPARE WELLBORE FOR FLUSH. INCREASED RATE (10 BPM OVER DESIGN - OR AS PRESSURE ALLOWED) AFTER CUTTING BLENDER SCREWS FOR FLUSH. PUMPED 20 GALLONS OF STIM GEL AT THE BEGINNING OF FLUSH. OVER-FLUSHED 300 BBLS. ALL PROPPANT PLACED.</p>
22:18 - 22:58	0.67	FRAC	52 P - PRESSURE TEST	A - PRE PERF	<p>P/U 3.50" FTCP BOSS HOGG FRAC PLUG AND GUNS. EQUALIZE PRESSURE TO 5,250 PSIG.</p> <p>OPEN HYDRAULIC MASTER VALVE. RIH.</p>
22:58 - 00:00	1.03	FRAC	37 P - PERFORATING	E - PERFORATE CASING	<p>PNP STAGE # 3</p> <p>RIH W/ (6) - 1' X 2.750" (24 SHOTS) GUN W/ TITAN EXP-2716-421T CHARGES, 16GM 0.38" EHD LOADED 4 SPF, 60 DEG PHS & BOSS HOGG FRAC 3.50" OD FTCP. PUMP TOOLS DOWN IN LATERAL SECTION, CORRELATE TO 7" x 4 1/2" LINER ELEMENT TOP (10,993'). PUMP TOOLS DOWN IN LATERAL SECTION,</p> <p>3 BPM @ 4,940 PSIG</p> <p>6 BPM @ 5,280PSIG</p> <p>9 BPM @ 5,630 PSIG</p> <p>MAX PRESS - 5,950 PSIG</p> <p>PDV- 103 BBLS</p> <p>PULL INTO POSITION SET FTCP @ 16,449' PERF INTERVALS</p> <p>FROM</p> <p>16,429' TO 30'</p> <p>16,397' TO 98'</p> <p>16,365' TO 66'</p> <p>16,333' TO 34'</p> <p>16,301' TO 02'</p> <p>16,269' TO 70'</p> <p>POOH, TO 15,550 @ MIDNIGHT</p>

WINS No: J8081		YOKUM UL UNIT 19-4 3H		Date: 2/15/2017	
AFE No: 2124239		Daily Completion and Workover Report		DOL:	

OPERATE SUMMARY: STIMULATE STG #3,TO 5 PLACING 1,491,640 LBS OF 100 MESH IN 34,951 BBLs OF SW.
 PLUG AND PERF STG #4, #5,#6 WITH (72) SHOTS OF EXP-2716-421T CHARGES, 16GM 0.38" EHD 4 SPF FROM 16,230' -15,670'

REPT NO. 8	OPERATOR ANADARKO E&P ONSHORE LLC	FIELD NAME YOKUM UL UNIT 19-4 1H/2H/3H PAD	SUPERVISOR / ENGINEER DOUG ANDERSON / RYAN LEACHMAN
SPIIID DATE 12/15/2016	API 4230133030	STATE TEXAS	COUNTY LOVING
DIVISION US SOUTHERN REGION			
RIG NAME			

CURRENT STATUS
 FRAC OPERATIONS
24 HR FORECAST
 FRAC STAGES 3,4, 5 & PERF 6

GL ELEV 2,771.0 (ft)	RKB 2,796.01 (ft)	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 \$286,008 / \$685,878	

CASING DETAILS

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

PERFORATIONS

ZONE	DATE	SIDETRK #	STATUS	TYPE	TOP (ft)	BASE (ft)
	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

STIMULATE STG #3,TO 5 PLACING 1,491,640 LBS OF 100 MESH IN 34,951 BBLs OF SW.
 PLUG AND PERF STG #4, #5,#6 WITH (72) SHOTS OF EXP-2716-421T CHARGES, 16GM 0.38" EHD 4 SPF FROM 16,230' -15,670'

WINS No: J8081		YOKUM UL UNIT 19-4 3H				Date: 2/15/2017
AFE No: 2124239		Daily Completion and Workover Report				DOL:
OPERATION DETAILS						
HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION	
00:00 - 00:45	0.75	FRAC	37 P - PERFORATING	E - PERFORATE CASING	CONTINUE POOH W/ SPENT GUNS FROM 15,500' LAYDOWN SPENT GUNS VERIFY FIRED & DEPLOY BALL	
00:45 - 01:15	0.50	FRAC	47 P - COMPLETION EQUIPMENT	C - MAINTENANCE	GREASE STUART FRAC STACK	
01:15 - 01:30	0.25	FRAC	52 P - PRESSURE TEST	B - PRE FRAC	EQUALIZE AND OPEN WELL W/ 5100 PSI.	
01:30 - 05:18	3.80	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	FRAC STAGE # 3 ATR: 59.3 BPM SW: 11,094 BBLS ATP: 8,189 PSI PDV: 1132 BBLS MTR: 66.2 BPM TOTAL FLUIDS: 12,254.8 BBLS MTP: 8,640 PSI 100 M: 498,380 LBS 15%: 28.8 BBLS ISIP - 5,400 PSIG FG - 0.895 PSI/FT NON-PRODUCTIVE TIME: 0.00 HRS STAGE REMARKS: OPENED WELL AT 01:28 WITH 4,770 PSI. PUMPED 1,202 GALLONS 15% HCL ACID (GOOD BREAK). BALL SEAT AT 9 BPM/ 332 BBLS/ 6,390 PSI AND BROKE AT 7,450 PSI. DECREASED FR THROUGHOUT STAGE AS PRESSURE ALLOWED. INCREASED FR TO 1.0 GPT HALFWAY THRU 2.0 PPG SAND STAGE TO PREPARE WELLBORE FOR FLUSH. INCREASED RATE (10 BPM OVER DESIGN - OR AS PRESSURE ALLOWED) AFTER CUTTING BLENDER SCREWS FOR FLUSH. PUMPED 20 GALLONS OF STIM GEL AT THE BEGINNING OF FLUSH. OVER-FLUSHED 300 BBLS. ALL PROPPANT PLACED.	
05:18 - 05:33	0.25	FRAC	52 P - PRESSURE TEST	A - PRE PERF	P/U 3.50" FTCP BOSS HOGG FRAC PLUG AND GUNS. EQUALIZE PRESSURE TO 5,150 PSIG. OPEN HYDRAULIC MASTER VALVE. RIH.	
05:33 - 07:30	1.95	FRAC	37 P - PERFORATING	E - PERFORATE CASING	PNP STAGE #4. RIH W/ (6) - 1' X 2.750" (24 SHOTS) GUN W/ TITAN EXP-2716-421T CHARGES, 16GM 0.38" EHD LOADED 4 SPF, 60 DEG PHS & BOSS HOGG FRAC 3.50" OD FTCP. PUMP TOOLS DOWN IN LATERAL SECTION, CORRELATE TO 7" x 4 1/2" LINER ELEMENT TOP (10,993'). PUMP TOOLS DOWN IN LATERAL SECTION, RUNNING SPEED: 400 FPM 3 BPM @ 4,800 PSIG 6 BPM @ 5,080 PSIG 9 BPM @ 5,420 PSIG MAX PRESS - 5,820 PSIG PDV- 94 BBLS PULL INTO POSITION & PERF INTERVALS FROM FTCP - 16,249' 16,229' - 30' 16,198' - 99' 16,165' - 66' 16,133' - 34' 16,101' - 02' 16,069' - 70' POOH ABOVE TOOL TRAP & CLOSE UPPER FRAC VALVE TO MAKE SURE TOOL STRING WAS ABOVE (IT WAS). LAY GUNS DOWN. CONFIRMED ALL SHOTS FIRED.	
07:30 - 07:39	0.15	FRAC	36 P - FRACING	1 - RU / RD FRAC EQP	EQUALIZE AND OPEN WELL W/ 5100 PSI.	

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/15/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
07:39 - 11:31	3.87	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	<p>FRAC STAGE #4</p> <p>ATR: 58.9 BPM SW: 11,234 BBLS ATP: 8,113 PSI PDV: 105 BBLS MTR: 69.9 BPM TOTAL FLUIDS: 11,368 BBLS MTP: 8,680 PSI 100 M: 498,540 LBS 15%: 29.0 BBLS</p> <p>ISIP - 5,580 PSIG FG - 0.911 PSI/FT NON-PRODUCTIVE TIME: 0.00 HRS</p> <p>STAGE REMARKS: OPENED WELL AT 07:38 WITH 4,550 PSI. PUMPED 1,217 GALLONS 15% HCL ACID (GOOD BREAK). BALL SEAT AT 8.2 BPM/ 353 BBLS/ 6,200 PSI AND BROKE AT 7,640 PSI. DECREASED FR THROUGHOUT STAGE AS PRESSURE ALLOWED. INCREASED FR TO 1.0 GPT HALFWAY THRU 2.0 PPG SAND STAGE TO PREPARE WELLBORE FOR FLUSH. INCREASED RATE (10 BPM OVER DESIGN - OR AS PRESSURE ALLOWED) AFTER CUTTING BLENDER SCREWS FOR FLUSH. PUMPED 20 GALLONS OF STIM GEL AT THE BEGINNING OF FLUSH. OVER-FLUSHED 300 BBLS. ALL PROPPANT PLACED.</p>
11:31 - 12:04	0.55	FRAC	37 P - PERFORATING	1 - RU / RD PERFORATING EQUIPMENT	<p>P/U 3.50" FTCP BOSS HOGG FRAC PLUG AND GUNS. EQUALIZE PRESSURE TO 5,150 PSIG. OPEN HYDRAULIC MASTER VALVE. RIH.</p>
12:04 - 14:04	2.00	FRAC	37 P - PERFORATING	B - OVERBALANCED PERF.	<p>PNP STAGE #5.</p> <p>RIH W/ (6) - 1' X 2.750" (24 SHOTS) GUN W/ TITAN EXP-2716-421T CHARGES, 16GM 0.38" EHD LOADED 4 SPF, 60 DEG PHS & BOSS HOGG FRAC 3.50" OD FTCP. PUMP TOOLS DOWN IN LATERAL SECTION, CORRELATE TO 7" x 4 1/2" LINER ELEMENT TOP (10,993'). PUMP TOOLS DOWN IN LATERAL SECTION, RUNNING SPEED: 400 FPM</p> <p>3 BPM @ 5,070 PSIG 6 BPM @ 5,440 PSIG 9 BPM @ 5,750 PSIG</p> <p>MAX PRESS - 6,170 PSIG PDV- 105 BBLS PULL INTO POSITION & PERF INTERVALS FROM</p> <p>FTCP - 16,049' 16,029' - 30' 15,997' - 98' 15,965' - 66' 15,933' - 34' 15,901' - 02' 15,869' - 70'</p> <p>POOH ABOVE TOOL TRAP & CLOSE UPPER FRAC VALVE TO MAKE SURE TOOL STRING WAS ABOVE (IT WAS). LAY GUNS DOWN. CONFIRMED ALL SHOTS FIRED.</p>
14:04 - 14:37	0.55	FRAC	36 P - FRACING	1 - RU / RD FRAC EQP	<p>GREASED THE FRAC STACK. PRESSURE TEST FRAC IRON TO 9,020 PSIG. HELD OK. EQUALIZED. OPENED THE HYDRAULIC.</p>
14:37 - 18:25	3.80	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	<p>FRAC STAGE #5</p> <p>ATR: 57.5 BPM SW: 10.434 BBLS ATP: 8,318 PSI PDV: 90 BBLS MTR: 61.3 BPM TOTAL FLUIDS: 11,328.9 BBLS MTP: 8,690 PSI 100 M: 497,720 LBS 15%: 28.9 BBLS</p> <p>ISIP - 5.657 PSIG FG - 0.918 PSI/FT</p> <p>STAGE REMARKS: OPENED WELL AT 14:38 WITH 4,640 PSI. PUMPED 1,212 GALLONS 15% HCL ACID (GOOD BREAK). BALL SEAT AT 8.2 BPM/ 351 BBLS/ 6,260 PSI AND BROKE AT 7,040 PSI. INCREASED RATE (10 BPM OVER DESIGN - OR AS PRESSURE ALLOWED) AFTER CUTTING BLENDER SCREWS FOR FLUSH. PUMPED 20 GALLONS OF STIM GEL AT THE BEGINNING OF FLUSH. OVER-FLUSHED 300 BBLS. ALL PROPPANT PLACED.</p>
18:25 - 18:38	0.22	FRAC	37 P - PERFORATING	1 - RU / RD PERFORATING EQUIPMENT	<p>P/U 3.50" FTCP BOSS HOGG FRAC PLUG AND GUNS. EQUALIZE PRESSURE TO 5,150 PSIG. OPEN HYDRAULIC MASTER VALVE. RIH.</p>

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/15/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
18:38 - 21:40	3.03	FRAC	37 P - PERFORATING	B - OVERBALANCED PERF.	<p>PNP STAGE #6.</p> <p>RIH W/ (6) - 1' X 2.750" (24 SHOTS) GUN W/ TITAN EXP-2716-421T CHARGES, 16GM 0.38" EHD LOADED 4 SPF, 60 DEG PHS & BOSS HOGG FRAC 3.50" OD FTCP. PUMP TOOLS DOWN IN LATERAL SECTION, CORRELATE TO 7" x 4 1/2" LINER ELEMENT TOP (10,993'). PUMP TOOLS DOWN IN LATERAL SECTION, RUNNING SPEED: 400 FPM</p> <p>3 BPM @ 5,410 PSIG 6 BPM @ 5,930 PSIG 9 BPM @ 6,590 PSIG</p> <p>MAX PRESS - 7,010 PSIG PDV- 90 BBLS PULL INTO POSITION & PERF INTERVALS FROM</p> <p>FTCP - 15,849'</p> <p>15,829' TO 30' 15,797' TO 98' 15,765' TO 66' 15,733' TO 34' 15,701' TO 02' 15,669' TO 70'</p> <p>POOH ABOVE TOOL TRAP & CLOSE UPPER FRAC VALVE TO MAKE SURE TOOL STRING WAS ABOVE (IT WAS). LAY GUNS DOWN. CONFIRMED ALL SHOTS FIRED.</p>
21:40 - 22:00	0.33	FRAC	52 P - PRESSURE TEST	B - PRE FRAC	PRESSURE TEST LINES TO 9220 PSI. EQUALIZE AND OPEN WELL W/ 5300 PSI
22:00 - 00:00	2.00	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	BEGIN FRAC STAGE # 6

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/16/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATE SUMMARY: REPLACE STUART HYD VALVE,, STIMULATE STG #6,TO 7 PLACING 99,140 LBS OF 100 MESH IN 22,189 BBLs OF SW.
PLUG AND PERF STG #7, 8, WITH (48) SHOTS OF EXP-2716-421T CHARGES, 16GM 0.38" EHD 4 SPF FROM 15,630" -15,270"

REPT NO. 9		OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME YOKUM UL UNIT 19-4 1H/2H/3H PAD		SUPERVISOR / ENGINEER DOUG ANDERSON / RYAN LEACHMAN									
SPIN DATE 12/15/2016		API 4230133030		STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION		RIG NAME					
CURRENT STATUS FRAC OPERATIONS															
24 HR FORECAST FRAC STAGES 6.7 & PERF 8															
GL ELEV 2,771.0 (ft)		RKB 2,796.01 (ft)		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 \$207,825 / \$891,385			

CASING DETAILS

ASSEMBLY	SIZE	INST DATE	FROM (ft)	TO (ft)	SIZE	WEIGHT	GRADE	THRDS
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PERFORATIONS

ZONE	DATE	SIDETR #	STATUS	TYPE	TOP (ft)	BASE (ft)
	2/17/2017	OH	OPEN	PERFORATED	15,165.0	15,166.0
	2/17/2017	OH	OPEN	PERFORATED	15,229.0	15,230.0
	2/17/2017	OH	OPEN	PERFORATED	15,069.0	15,070.0
	2/17/2017	OH	OPEN	PERFORATED	15,195.0	15,196.0
	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

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/16/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

SUMMARY

REPLACE STUART HYD VALVE,, STIMULATE STG #6,TO 7 PLACING 99,140 LBS OF 100 MESH IN 22,189 BBLS OF SW.
PLUG AND PERF STG #7, 8, WITH (48) SHOTS OF EXP-2716-421T CHARGES, 16GM 0.38" EHD 4 SPF FROM 15,630" -15,270'

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/16/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 01:15	1.25	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	FINISH FRAC STAGE # 6 ATR: 58.3 BPM SW: 10.200.2 BBLS MTR 63.1 BPM PDV: 88 BBLS ATP 8,204 PSI TOTAL FLUIDS: 11,095.4 BBLS MTP: 8,610 PSI 100 M: 498,420 LBS 15%: 28.2 BBLS ISIP - 5.637 PSIG FG - 0.916 PSI/FT STAGE REMARKS: HYDRAULIC VALVE ON FRAC STACK NOT HOLDING; BALL DROPPED WHILE TESTING CROWN VALVE BEFORE STAGE. OPENED WELL AT 21:08 WITH 5,020 PSI. PUMPED 1,184 GALLONS 15% HCL ACID (GOOD BREAK). BALL SEAT AT 10.1 BPM/ 206 BBLS/ 7,010 PSI AND BROKE AT 7,950 PSI. INCREASED RATE (10 BPM OVER DESIGN - OR AS PRESSURE ALLOWED) AFTER CUTTING BLENDER SCREWS FOR FLUSH. PUMPED 20 GALLONS OF STIM GEL AT THE BEGINNING OF FLUSH. OVER-FLUSHED 300 BBLS. ALL PROPPANT PLACED.
01:15 - 03:00	1.75	FRAC	47 P - COMPLETION EQUIPMENT	A - RIG UP/ RIG DOWN	HYDRAULIC VALVE NOT HOLDING, NOTIFY SUPERVISOR AND WAS INSTRUCTED TO REPLACE, CLOSE AND GREASE HYD VALVE UNTILL IT WOULD HOLD. CLOSE LOWER MASTER FOR 2ND BARRIER. NIPPLE DOWN FRAC IRON, & NIPPLE DOWN FRAC STACK TO TOP OF CROWN VALVE.
03:00 - 05:30	2.50	FRAC	46 P - WAITING	F - THIRD-PARTY SERVICES/PERS ONNEL	WAIT ON CAMERON TO ARRIVE ON LOCATION
05:30 - 14:46	9.27	FRAC	36 P - FRACING	1 - RU / RD FRAC EQP	MIRU 15K HYDRAULIC LUBRICATOR. PRESSURE TEST TO 8,000 PSIG. HELD OK. EQUALIZED. LUBE IN HANGER (BVP). TIGHTEN LOCK IN PINS. PERFORM NEGATIVE TEST. HELD OK. RD LUBRICATOR. RD HYDRAULIC MASTER VALVE. RU LUBRICATOR. PRESSURE TEST TO 9,000 PSIG. HELD OK. PULLED HANGER (BPV). RU FRAC STACK.. PRESSURE TEST FRAC STACK TO 9,500 PSIG.
14:46 - 16:15	1.48	FRAC	36 P - FRACING	1 - RU / RD FRAC EQP	PRIME UP. PRESSURE TEST FRAC IRON TO 9,500 PSIG. HELD OK. RESTRAIN ALL LINES.
16:15 - 16:28	0.22	FRAC	37 P - PERFORATING	1 - RU / RD PERFORATING EQUIPMENT	P/U 3.50" FTCP BOSS HOGG FRAC PLUG AND GUNS. EQUALIZE PRESSURE TO 4,600 PSIG. OPEN HYDRAULIC MASTER VALVE. RIH.
16:28 - 18:00	1.53	FRAC	37 P - PERFORATING	B - OVERBALANCED PERF.	PNP STAGE #7. RIH W/ (6) - 1' X 2.750" (24 SHOTS) GUN W/ TITAN EXP-2716-421T CHARGES, 16GM 0.38" EHD LOADED 4 SPF, 60 DEG PHS & BOSS HOGG FRAC 3.50" OD FTCP. PUMP TOOLS DOWN IN LATERAL SECTION, CORRELATE TO 7" x 4 1/2" LINER ELEMENT TOP (10,993'). PUMP TOOLS DOWN IN LATERAL SECTION, RUNNING SPEED: 400 FPM 3 BPM @ 4,700 PSIG 6 BPM @ 5,030 PSIG 9 BPM @ 6,6760PSIG MAX PRESS - 6,750 PSIG PDV- 88 BBLS PULL INTO POSITION & PERF INTERVALS FROM FTCP - 15,649' 15,629' TO 30' 15,597' TO 98' 15,565' TO 66' 15,533' TO 34' 15,501' TO 02' 15,469' TO 70' POOH ABOVE TOOL TRAP & CLOSE UPPER FRAC VALVE TO MAKE SURE TOOL STRING WAS ABOVE (IT WAS). LAY GUNS DOWN. CONFIRMED ALL SHOTS FIRED.
18:00 - 18:40	0.67	FRAC	47 P - COMPLETION EQUIPMENT	C - MAINTENANCE	GREASE STUART FRAC STACK,
18:40 - 18:56	0.27	FRAC	52 P - PRESSURE TEST	B - PRE FRAC	EQUALIZE AND OPEN WELL W/ 5000 PSI.

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/16/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
18:56 - 22:45	3.82	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	FRAC STAGE # 7 ATR: 58.7 BPM SW: 10,216.3 BBLS MTR 63.2 BPM PDV: 75 BBLS ATP: 8,133 PSI TOTAL FLUIDS: 11,093.2 BBLS MTP: 8,600 PSI 100 M: 497,220LBS 15%: 28. BBLS ISIP - 5,600 PSIG FG - 0.913 PSI/FT STAGE REMARKS: DOWN 15.5 HRS PRIOR TO WL - REPLACE HYDRAULIC VALVE ON FRAC STACK (NOT HOLDING). OPENED WELL AT 18:52 WITH 4,250 PSI. PUMPED 1,128 GALLONS 15% HCL ACID (GOOD BREAK). BALL SEAT AT 8.6 BPM/ 324 BBLS/ 6,710 PSI AND BROKE AT 7,455 PSI. INCREASED RATE (10 BPM OVER DESIGN - OR AS PRESSURE ALLOWED) AFTER CUTTING BLENDER SCREWS FOR FLUSH. PUMPED 20 GALLONS OF STIM GEL AT THE BEGINNING OF FLUSH. OVER-FLUSHED 300 BBLS. ALL PROPPANT PLACED.
22:45 - 22:58	0.22	FRAC	52 P - PRESSURE TEST	A - PRE PERF	P/U 3.50" FTCP BOSS HOGG FRAC PLUG AND GUNS. EQUALIZE PRESSURE TO 4,600 PSIG. OPEN HYDRAULIC MASTER VALVE.
22:58 - 00:00	1.03	FRAC	37 P - PERFORATIN G	E - PERFORATE CASING	PNP STAGE # 8. RIH W/ (6) - 1' X 2.750" (24 SHOTS) GUN W/ TITAN EXP-2716-421T CHARGES, 16GM 0.38" EHD LOADED 4 SPF, 60 DEG PHS & BOSS HOGG FRAC 3.50" OD FTCP. PUMP TOOLS DOWN IN LATERAL SECTION, CORRELATE TO 7" x 4 1/2" LINER ELEMENT TOP (10,993'). PUMP TOOLS DOWN IN LATERAL SECTION, RUNNING SPEED: 400 FPM 3 BPM @ 5,020PSIG 6 BPM @ 5,730 PSIG 9 BPM @ 6,250 PSIG MAX PRESS - 6,610 PSIG PDV- 75 BBLS PULL INTO POSITION & PERF INTERVALS FROM FTCP - 15,449' 15,429' TO 30' 15,397' TO 98' 15,365' TO 66' 15,328' TO 29' 15,301' TO 02' 15,269' TO 70' POOH WITH GUNS TO 14,000' @ MIDNIGHT

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/17/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

PERFORATIONS

ZONE	DATE	SIDETRACK #	STATUS	TYPE	TOP (ft)	BASE (ft)
	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	0.0	0.0
	2/18/2017	OH	OPEN	PERFORATED	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	2/18/2017	OH	OPEN	PERFORATED	0.0	0.0
	2/18/2017	OH	OPEN	PERFORATED	0.0	0.0
	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

WINS No: J8081**YOKUM UL UNIT 19-4 3H****Date: 2/17/2017****AFE No: 2124239****Daily Completion and Workover Report****DOL:**

	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

STIMULATE STG #8, TO 10 PLACING 1,493.98 LBS OF 100 MESH IN 33,955 BBLS OF SW.

PLUG AND PERF STG #9, 10, 11 WITH (72) SHOTS OF EXP-2716-421T CHARGES, 16GM 0.38" EHD 4 SPF FROM 15,230' -14,673'

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/17/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 00:45	0.75	FRAC	37 P - PERFORATING	E - PERFORATE CASING	FINISH POOH WITH SPENT GUNS FROM 14,000' LAY DOWN GUNS & DEPLOY BALL
00:45 - 01:17	0.53	FRAC	52 P - PRESSURE TEST	B - PRE FRAC	PRESSURE TEST LINES TO 9300, EQUALIZE AND OPEN WELL W/ 5000 PSI
01:17 - 05:08	3.85	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	<p>FRAC STAGE #8</p> <p>ATR: 59.8 BPM SW: 11,142.3 BBLS MTR: 65.3 BPM PDV: 78 BBLS ATP: 8,101 PSI TOTAL FLUIDS: 11,248 BBLS MTP: 8,670 PSI 100 M: 498,040 LBS 15%: 28. BBLS</p> <p>ISIP - 5,577 PSIG FG - 0.910 PSI/FT NON-PRODUCTIVE TIME: 0.00 HRS STAGE REMARKS: OPENED WELL AT 01:17 WITH 4,690 PSI. PUMPED 1,166 GALLONS 15% HCL ACID (GOOD BREAK). BALL SEAT AT 8.4 BPM/ 317 BBLS/ 6,700 PSI AND BROKE AT 7,420 PSI. INCREASED RATE (10 BPM OVER DESIGN - OR AS PRESSURE ALLOWED) AFTER CUTTING BLENDER SCREWS FOR FLUSH. PUMPED 20 GALLONS OF STIM GEL AT THE BEGINNING OF FLUSH. OVER-FLUSHED 300 BBLS. ALL PROPPANT PLACED</p>
05:08 - 05:24	0.27	FRAC	37 P - PERFORATING	1 - RU / RD PERFORATING EQUIPMENT	P/U 3.50" FTCP BOSS HOGG FRAC PLUG AND GUNS. EQUALIZE PRESSURE TO 4,600 PSIG. OPEN HYDRAULIC MASTER VALVE. RIH.
05:24 - 06:57	1.55	FRAC	37 P - PERFORATING	B - OVERBALANCED PERF.	<p>PNP STAGE #9.</p> <p>RIH W/ (6) - 1' X 2.750" (24 SHOTS) GUN W/ TITAN EXP-2716-421T CHARGES, 16GM 0.38" EHD LOADED 4 SPF, 60 DEG PHS & BOSS HOGG FRAC 3.50" OD FTCP. PUMP TOOLS DOWN IN LATERAL SECTION, CORRELATE TO 7" x 4 1/2" LINER ELEMENT TOP (10,993'). PUMP TOOLS DOWN IN LATERAL SECTION, RUNNING SPEED: 400 FPM</p> <p>3 BPM @ 5,000 PSIG 6 BPM @ 5,440 PSIG 9 BPM @ 5,690 PSIG</p> <p>MAX PRESS - 6,020 PSIG PDV- 78 BBLS</p> <p>PULL INTO POSITION & PERF INTERVALS FROM</p> <p>FTCP - 15,249' 15,229' - 30' 15,195' - 96' 15,165' - 66' 15,133' - 34' 15,101' - 02' 15,069' - 70'</p> <p>POOH ABOVE TOOL TRAP & CLOSE UPPER FRAC VALVE TO MAKE SURE TOOL STRING WAS ABOVE (IT WAS). LAY GUNS DOWN. CONFIRMED ALL SHOTS FIRED. DROP BALL.</p>
06:57 - 07:51	0.90	FRAC	36 P - FRACING	1 - RU / RD FRAC EQP	STUART GREASED THE FRAC STACK. PRESSURE TEST FRAC IRON TO 9,060 PSIG. INCREASED BACKSIDE PRESSURE TO 800 PSIG. EQUALIZED.

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/17/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
07:51 - 11:33	3.70	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	<p>FRAC STAGE #9</p> <p>ATR: 60.8 BPM SW: 11,035 BBLS MTR 66.9 BPM PDV: 82 BBLS ATP: 8,019 PSI TOTAL FLUIDS: 11,145 BBLS MTP: 8,670 PSI 100 M: 497,620 LBS 15%: 28.1 BBLS</p> <p>ISIP - 5,530 PSIG FG - 0.906 PSI/FT NON-PRODUCTIVE TIME: 0.00 HRS</p> <p>STAGE REMARKS: OPENED WELL AT 07:53 WITH 4,680 PSI. PUMPED 1,179 GALLONS 15% HCL ACID (GOOD BREAK). BALL SEAT AT 8.1 BPM/ 302 BBLS/ 6,210 PSI AND BROKE AT 7,060 PSI. DECREASED FR THROUGHOUT STAGE AS PRESSURE ALLOWED. INCREASED FR TO 1.0 GPT HALFWAY THRU 2.0 PPG SAND STAGE TO PREPARE WELLBORE FOR FLUSH. INCREASED RATE (10 BPM OVER DESIGN - OR AS PRESSURE ALLOWED) AFTER CUTTING BLENDER SCREWS FOR FLUSH. PUMPED 20 GALLONS OF STIM GEL AT THE BEGINNING OF FLUSH. OVER-FLUSHED 200 BBLS. ALL PROPPANT PLACED.</p>
11:33 - 11:48	0.25	FRAC	37 P - PERFORATING	1 - RU / RD PERFORATING EQUIPMENT	<p>P/U 3.50" FTCP BOSS HOGG FRAC PLUG AND GUNS. EQUALIZE PRESSURE TO 5,200 PSIG. OPEN HYDRAULIC MASTER VALVE. RIH.</p>
11:48 - 13:50	2.03	FRAC	37 P - PERFORATING	B - OVERBALANCED PERF.	<p>PNP STAGE #10.</p> <p>RIH W/ (6) - 1' X 2.750" (24 SHOTS) GUN W/ TITAN EXP-2716-421T CHARGES, 16GM 0.38" EHD LOADED 4 SPF, 60 DEG PHS & BOSS HOGG FRAC 3.50" OD FTCP. PUMP TOOLS DOWN IN LATERAL SECTION, CORRELATE TO 7" x 4 1/2" LINER ELEMENT TOP (10,993'). PUMP TOOLS DOWN IN LATERAL SECTION, RUNNING SPEED: 400 FPM</p> <p>3 BPM @ 4,940 PSIG 6 BPM @ 5,270 PSIG 9 BPM @ 5,640 PSIG</p> <p>MAX PRESS - 6,050 PSIG PDV - 82 BBLS</p> <p>PULL INTO POSITION & PERF INTERVALS FROM</p> <p>FTCP - 15,049' 15,029' - 30' 14,997' - 98' 14,965' - 66' 14,934' - 35' 14,901' - 02' 14,869' - 70'</p> <p>POOH ABOVE TOOL TRAP & CLOSE UPPER FRAC VALVE TO MAKE SURE TOOL STRING WAS ABOVE (IT WAS). LAY GUNS DOWN. CONFIRMED ALL SHOTS FIRED. DROP BALL.</p>
13:50 - 14:25	0.58	FRAC	36 P - FRACING	1 - RU / RD FRAC EQP	<p>STUART GREASED THE HYDRAULIC VALVE. PRESSURE TEST FRAC IRON TO 9,060 PSIG. CHASING LEAKS. GOOD TEST. EQUALIZED.</p>
14:25 - 18:28	4.05	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	<p>FRAC STAGE #10</p> <p>ATR: 59.6 BPM SW: 10,776.6 BBLS MTR 61.2 BPM PDV: 74 BBLS ATP: 8,275 PSI TOTAL FLUIDS: 11,561.4 BBLS MTP: 8,700 PSI 100 M: 498,320 LBS 15%: BBLS</p> <p>ISIP - 5,640 PSIG FG - 0.915 PSI/FT</p> <p>STAGE REMARKS: OPENED WELL AT 14:27 WITH 4,500 PSI. PUMPED 1,166 GALLONS 15% HCL ACID (GOOD BREAK). BALL SEAT AT 8.1 BPM/ 316 BBLS/ 6,170 PSI AND BROKE AT 7,050 PSI. CUT SAND/ FLUSH/ SD FOR 2 MIN, 700 BBLS INTO 0.5 PPG SAND TO TIGHTEN MECH POP-OFF (LEAKING). INCREASED RATE (10 BPM OVER DESIGN - OR AS PRESSURE ALLOWED) AFTER CUTTING BLENDER SCREWS FOR FLUSH. PUMPED 20 GALLONS OF STIM GEL AT THE BEGINNING OF FLUSH. OVER-FLUSHED 200 BBLS. ALL PROPPANT PLACED.</p>

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/17/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
18:28 - 18:45	0.28	FRAC	52 P - PRESSURE TEST	A - PRE PERF	P/U 3.50" FTCP BOSS HOGG FRAC PLUG AND GUNS. EQUALIZE PRESSURE TO 5,200 PSIG. OPEN HYDRAULIC MASTER VALVE. RIH.
18:45 - 20:30	1.75	FRAC	37 P - PERFORATING	E - PERFORATE CASING	<p>PNP STAGE #11</p> <p>RIH W/ (6) - 1' X 2.750" (24 SHOTS) GUN W/ TITAN EXP-2716-421T CHARGES, 16GM 0.38" EHD LOADED 4 SPF, 60 DEG PHS & BOSS HOGG FRAC 3.50" OD FTCP. PUMP TOOLS DOWN IN LATERAL SECTION, CORRELATE TO 7" x 4 1/2" LINER ELEMENT TOP (10,993'). PUMP TOOLS DOWN IN LATERAL SECTION, RUNNING SPEED: 400 FPM</p> <p>3 BPM @ 4,960 PSIG 6 BPM @ 5,380 PSIG 9 BPM @ 5,660 PSIG</p> <p>MAX PRESS - 6.060 PSIG PDV - 74 BBLS</p> <p>PULL INTO POSITION & PERF INTERVALS FROM</p> <p>FTCP - 14,849' 114,829' TO 30' 14,795' TO 96' 14,765' TO 66' 14,733' TO 34' 14,701' TO 02' 14,672' TO 73'</p> <p>POOH ABOVE TOOL TRAP & CLOSE UPPER FRAC VALVE TO MAKE SURE TOOL STRING WAS ABOVE (IT WAS). LAY GUNS DOWN. CONFIRMED ALL SHOTS FIRED. DEPLOY BALL</p>
20:30 - 20:55	0.42	FRAC	47 P - COMPLETION EQUIPMENT	C - MAINTENANCE	STUART GREASED FRAC STACK
20:55 - 21:18	0.38	FRAC	52 P - PRESSURE TEST	B - PRE FRAC	PRESSURE TEST FRAC IRON TO 8,990 PSIG. CHASING LEAKS. GOOD TEST. EQUALIZED.
21:18 - 00:00	2.70	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	<p>FRAC STAGE #11</p> <p>ATR :57.6 BPM SW: 10,421.7 BBLS MTR 66 BPM PDV: 71 BBLS ATP: 8,128 PSI TOTAL FLUIDS: 11,177.4 BBLS MTP: 8,650 PSI 100 M: 498,900 LBS 15%: 26,7 BBLS</p> <p>ISIP - 5.685 PSIG FG - 0.919 PSI/FT</p> <p>STAGE REMARKS: OPENED WELL AT 21:17 WITH 4,590 PSI. PUMPED 1,120 GALLONS 15% HCL ACID (GOOD BREAK). BALL SEAT AT 8.5 BPM/ 319 BBLS/ 6,410 PSI AND BROKE AT 7,870 PSI. INCREASED RATE (10 BPM OVER DESIGN - OR AS PRESSURE ALLOWED) AFTER CUTTING BLENDER SCREWS FOR FLUSH. PUMPED 20 GALLONS OF STIM GEL AT THE BEGINNING OF FLUSH. OVER-FLUSHED 200 BBLS. ALL PROPPANT PLACED.</p>

WINS No: J8081		YOKUM UL UNIT 19-4 3H			Date: 2/18/2017	
AFE No: 2124239		Daily Completion and Workover Report			DOL:	
OPERATE SUMMARY: STIMULATE STG #12 TO PLACING 1,493,330 LBS OF 100 MESH IN 33,635 BBLs OF SW. PLUG AND PERF STG # 1213,14,15 WITH (96) SHOTS OF EXP-2716-421T CHARGES, 16GM 0.38" EHD 4 SPF FROM 14,630' to 13,869'						
REPT NO. 11	OPERATOR ANADARKO E&P ONSHORE LLC		FIELD NAME YOKUM UL UNIT 19-4 1H/2H/3H PAD		SUPERVISOR / ENGINEER DOUG ANDERSON / RYAN LEACHMAN	
SPIIN DATE 12/15/2016	API 4230133030	STATE TEXAS	COUNTY LOVING	DIVISION US SOUTHERN REGION	RIG NAME	
CURRENT STATUS FINISH FRAC STAGE 11						
24 HR FORECAST FRAC STAGE 12,13,14, PEF 15						
GL ELEV 2,771.0 (ft)	RKB 2,796.01 (ft)	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 \$285,341 / \$1,459,937
CASING DETAILS						
ASSEMBLY	SIZE	INST DATE	FROM (ft)	TO (ft)	SIZE	WEIGHT GRADE THRDS

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/18/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

PERFORATIONS

ZONE	DATE	SIDETRACK #	STATUS	TYPE	TOP (ft)	BASE (ft)
	2/19/2017	OH	OPEN	PERFORATED	0.0	0.0
	2/19/2017	OH	OPEN	PERFORATED	0.0	0.0
	2/19/2017	OH	OPEN	PERFORATED	0.0	0.0
	2/19/2017	OH	OPEN	PERFORATED	0.0	0.0
	2/19/2017	OH	OPEN	PERFORATED	0.0	0.0
	2/19/2017	OH	OPEN	PERFORATED	0.0	0.0
	2/19/2017	OH	OPEN	PERFORATED	0.0	0.0
	2/19/2017	OH	OPEN	PERFORATED	13,765.0	13,766.0
	2/19/2017	OH	OPEN	PERFORATED	0.0	0.0
	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	0.0	0.0
	2/19/2017	OH	OPEN	PERFORATED	0.0	0.0
	2/19/2017	OH	OPEN	PERFORATED	13,701.0	3,702.0
	2/19/2017	OH	OPEN	PERFORATED	0.0	0.0
	2/19/2017	OH	OPEN	PERFORATED	0.0	0.0
	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
	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

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/18/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

	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

STIMULATE STG #12 TO PLACING 1,493,330 LBS OF 100 MESH IN 33,635 BBLs OF SW.

PLUG AND PERF STG # 1213,14,15 WITH (96) SHOTS OF EXP-2716-421T CHARGES, 16GM 0.38" EHD 4 SPF FROM 14,630' to 13,869'

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/18/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 01:13	1.22	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	FINISH FRAC ON STAGE # 11
01:13 - 01:25	0.20	FRAC	52 P - PRESSURE TEST	A - PRE PERF	P/U 3.50" FTCP BOSS HOGG FRAC PLUG AND GUNS. EQUALIZE PRESSURE TO 4,600 PSIG. OPEN HYDRAULIC MASTER VALVE. RIH.
01:25 - 03:00	1.58	FRAC	37 P - PERFORATING	E - PERFORATE CASING	<p>PNP STAGE # 12</p> <p>RIH W/ (6) - 1' X 2.750" (24 SHOTS) GUN W/ TITAN EXP-2716-421T CHARGES, 16GM 0.38" EHD LOADED 4 SPF, 60 DEG PHS & BOSS HOGG FRAC 3.50" OD FTCP. PUMP TOOLS DOWN IN LATERAL SECTION, CORRELATE TO 7" x 4 1/2" LINER ELEMENT TOP (10,993'). PUMP TOOLS DOWN IN LATERAL SECTION, RUNNING SPEED: 400 FPM</p> <p>3 BPM @ 4,930 PSIG 6 BPM @ 5,330 PSIG 9 BPM @ 6,010 PSIG</p> <p>MAX PRESS - 6,310 PSIG PDV- 71 BBLS</p> <p>PULL INTO POSITION & PERF INTERVALS FROM</p> <p>FTCP - 14,649 ' 14,629' TO 30' 14,597' TO 98' 14,565' TO 66' 14,532' TO 33' 14,501' TO 02' 14,469' TO 70'</p> <p>POOH ABOVE TOOL TRAP & CLOSE UPPER FRAC VALVE TO MAKE SURE TOOL STRING WAS ABOVE (IT WAS). LAY GUNS DOWN. CONFIRMED ALL SHOTS FIRED. DROP BALL.</p>
03:00 - 03:15	0.25	FRAC	47 P - COMPLETION EQUIPMENT	C - MAINTENANCE	STUART GREASED HYD VALVE
03:15 - 03:30	0.25	FRAC	52 P - PRESSURE TEST	B - PRE FRAC	PRESSURE TEST FRAC IRON TO 9,020 PSIG. GOOD TEST. EQUALIZEDw/ 5200 PSI & OPEN WELL
03:30 - 07:36	4.10	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	<p>FRAC STAGE # 12</p> <p>ATR: 59.5 BPM SW: 11,158 BBLS MTR 65.6 BPM PDV: 61 BBLS ATP: 8,065 PSI TOTAL FLUIDS: 11,247 BBLS MTP: 8,780 PSI 100 M: 498,440 LBS</p> <p>15%: 28 BBLS ISIP - 5,620 PSIG FG - 0.914 PSI/FT NON-PRODUCTIVE TIME: 0.00 HRS</p> <p>STAGE REMARKS: OPENED WELL AT 03:33 WITH 4,580 PSI. PUMPED 1,176 GALLONS 15% HCL ACID (GOOD BREAK). BALL SEAT AT 8.7 BPM/ 310 BBLS/ 6,507 PSI AND BROKE AT 8,780 PSI. INCREASED RATE (10 BPM OVER DESIGN - OR AS PRESSURE ALLOWED) AFTER CUTTING BLENDER SCREWS FOR FLUSH. PUMPED 20 GALLONS OF STIM GEL AT THE BEGINNING OF FLUSH. OVER-FLUSHED 200 BBLS. ALL PROPPANT PLACED.</p>
07:36 - 07:51	0.25	FRAC	37 P - PERFORATING	1 - RU / RD PERFORATING EQUIPMENT	P/U 3.50" FTCP BOSS HOGG FRAC PLUG AND GUNS. EQUALIZE PRESSURE TO 4,600 PSIG. OPEN HYDRAULIC MASTER VALVE. RIH.

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/18/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
07:51 - 09:24	1.55	FRAC	37 P - PERFORATING	B - OVERBALANCED PERF.	<p>PNP STAGE #13</p> <p>RIH W/ (6) - 1' X 2.750" (24 SHOTS) GUN W/ TITAN EXP-2716-421T CHARGES, 16GM 0.38" EHD LOADED 4 SPF, 60 DEG PHS & BOSS HOGG FRAC 3.50" OD FTCP. PUMP TOOLS DOWN IN LATERAL SECTION, CORRELATE TO 7" x 4 1/2" LINER ELEMENT TOP (10,993'). PUMP TOOLS DOWN IN LATERAL SECTION, RUNNING SPEED: 400 FPM</p> <p>3 BPM @ 5,160 PSIG 6 BPM @ 5,570 PSIG 9 BPM @ 5,890 PSIG</p> <p>MAX PRESS - 6,280 PSIG PDV - 61 BBLS</p> <p>PULL INTO POSITION & PERF INTERVALS FROM</p> <p>FTCP - 14,450' 14,429' TO 30' 14,397' TO 98' 14,365' TO 66' 14,336' TO 37' 14,301' TO 02' 14,269' TO 70'</p> <p>POOH ABOVE TOOL TRAP & CLOSE UPPER FRAC VALVE TO MAKE SURE TOOL STRING WAS ABOVE (IT WAS). LAY GUNS DOWN. CONFIRMED ALL SHOTS FIRED. DROP BALL.</p>
09:24 - 10:25	1.02	FRAC	36 P - FRACING	1 - RU / RD FRAC EQP	<p>GREASED THE FRAC STACK. PRESSURE TEST FRAC IRON TO 9,020 PSIG. SET THE MECHANICAL POP-OFF TO RELEASE @ 8,900 PSIG. GOOD TEST. EQUALIZEDw/ 5200 PSI & OPEN WELL</p>
10:25 - 14:10	3.75	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	<p>FRAC STAGE #13</p> <p>ATR: 59.6 BPM SW: 11,100 BBLS MTR 65.9 BPM PDV: 60 BBLS ATP: 8,109 PSI TOTAL FLUIDS: 11,189 BBLS MTP: 8,680 PSI 100 M: 496,560 LBS 15%: 29.1 BBLS ISIP - 5,680 PSIG FG - 0.919 PSI/FT NON-PRODUCTIVE TIME: 0.7 HRS STAGE REMARKS: DOWN 0.7 HRS PRIOR TO START - PT AND RE-SET MECH POP-OFF. OPENED WELL AT 10:26 WITH 4,680 PSI. PUMPED 1,223 GALLONS 15% HCL ACID (GOOD BREAK). BALL SEAT AT 7.8 BPM/ 311 BBLS/ 6,160 PSI AND BROKE AT 6,740 PSI. DECREASED FR THROUGHOUT STAGE AS PRESSURE ALLOWED. INCREASED FR TO 1.0 GPT HALFWAY THRU 2.0 PPG SAND STAGE TO PREPARE WELLBORE FOR FLUSH. INCREASED RATE (10 BPM OVER DESIGN - OR AS PRESSURE ALLOWED) AFTER CUTTING BLENDER SCREWS FOR FLUSH. PUMPED 20 GALLONS OF STIM GEL AT THE BEGINNING OF FLUSH. OVER-FLUSHED 200 BBLS. ALL PROPPANT PLACED.</p>
14:10 - 14:24	0.23	FRAC	37 P - PERFORATING	1 - RU / RD PERFORATING EQUIPMENT	<p>P/U 3.50" FTCP BOSS HOGG FRAC PLUG AND GUNS. EQUALIZE PRESSURE TO 5,100 PSIG. OPEN HYDRAULIC MASTER VALVE. RIH.</p>

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/18/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
14:24 - 15:58	1.57	FRAC	37 P - PERFORATING	B - OVERBALANCED PERF.	<p>PNP STAGE #14</p> <p>RIH W/ (6) - 1' X 2.750" (24 SHOTS) GUN W/ TITAN EXP-2716-421T CHARGES, 16GM 0.38" EHD LOADED 4 SPF, 60 DEG PHS & BOSS HOGG FRAC 3.50" OD FTCP. PUMP TOOLS DOWN IN LATERAL SECTION, CORRELATE TO 7" x 4 1/2" LINER ELEMENT TOP (10,993'). PUMP TOOLS DOWN IN LATERAL SECTION, RUNNING SPEED: 400 FPM</p> <p>3 BPM @ 5,150 PSIG 6 BPM @ 5,640 PSIG 9 BPM @ 6,390 PSIG</p> <p>MAX PRESS - 6,500 PSIG PDV - 60 BBLS</p> <p>PULL INTO POSITION & PERF INTERVALS FROM</p> <p>FTCP - 14,249' 14,229' TO 30' 14,197' TO 98' 14,165' TO 66' 14,135' TO 36' 14,101' TO 02' 14,069' TO 70'</p> <p>POOH ABOVE TOOL TRAP & CLOSE UPPER FRAC VALVE TO MAKE SURE TOOL STRING WAS ABOVE (IT WAS). LAY GUNS DOWN. CONFIRMED ALL SHOTS FIRED. DROP BALL.</p>
15:58 - 16:52	0.90	FRAC	36 P - FRACING	1 - RU / RD FRAC EQP	<p>GREASED THE FRAC STACK. PRESSURE TEST FRAC IRON TO 9,020 PSIG. SET THE MECHANICAL POP-OFF TO RELEASE @ 8,900 PSIG. GOOD TEST. EQUALIZEDw/ 5200 PSI & OPEN WELL</p>
16:52 - 20:30	3.63	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	<p>FRAC STAGE #14</p> <p>ATR: 59.1 BPM SW: 10,462.8 BBLS MTR 67.3 BPM PDV: 54 BBLS ATP: 8,052 PSI TOTAL FLUIDS: 11,198.8 BBLS MTP: 8,730 PSI 100 M: 498,320 LBS 15%: 29.3 BBLS ISIP - 5,623 PSIG FG - 0.914PSI/FT</p> <p>STAGE REMARKS: OPENED WELL AT 16:54 WITH 4,940 PSI. PUMPED 1,231 GALLONS 15% HCL ACID (GOOD BREAK). BALL SEAT AT 7.8 BPM/ 300 BBLS/ 6,305 PSI AND BROKE AT 6,820 PSI. DECREASED FR THROUGHOUT STAGE AS PRESSURE ALLOWED. INCREASED FR TO 1.0 GPT HALFWAY THRU 2.0 PPG SAND STAGE TO PREPARE WELLBORE FOR FLUSH. INCREASED RATE (10 BPM OVER DESIGN - OR AS PRESSURE ALLOWED) AFTER CUTTING BLENDER SCREWS FOR FLUSH. PUMPED 20 GALLONS OF STIM GEL AT THE BEGINNING OF FLUSH. OVER-FLUSHED 200 BBLS. ALL PROPPANT PLACED.</p>
20:30 - 20:40	0.17	FRAC	52 P - PRESSURE TEST	A - PRE PERF	<p>P/U 3.50" FTCP BOSS HOGG FRAC PLUG AND GUNS. EQUALIZE PRESSURE TO 4,600 PSIG. OPEN HYDRAULIC MASTER VALVE. RIH.</p>

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/18/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
20:40 - 22:15	1.58	FRAC	37 P - PERFORATING	E - PERFORATE CASING	<p>PNP STAGE #15</p> <p>RIH W/ (6) - 1' X 2.750" (24 SHOTS) GUN W/ TITAN EXP-2716-421T CHARGES, 16GM 0.38" EHD LOADED 4 SPF, 60 DEG PHS & BOSS HOGG FRAC 3.50" OD FTCP. PUMP TOOLS DOWN IN LATERAL SECTION, CORRELATE TO 7" x 4 1/2" LINER ELEMENT TOP (10,993'). PUMP TOOLS DOWN IN LATERAL SECTION, RUNNING SPEED: 400 FPM</p> <p>3 BPM @ 5,000 PSIG 6 BPM @ 5,620 PSIG 9 BPM @ 6130, PSIG</p> <p>MAX PSIG 6,160 PDV - 54 BBLS</p> <p>PULL INTO POSITION & PERF INTERVALS FROM</p> <p>FTCP - 14,053 ' 14,029' TO 30' 13,997' TO 98' 13,965' TO 66' 13,933' TO 34' 13,901' TO 02' 13,868' TO 69'</p> <p>POOH ABOVE TOOL TRAP & CLOSE UPPER FRAC VALVE TO MAKE SURE TOOL STRING WAS ABOVE (IT WAS). LAY GUNS DOWN. CONFIRMED ALL SHOTS FIRED. DROP BALL.</p>
22:15 - 23:00	0.75	FRAC	47 P - COMPLETION EQUIPMENT	C - MAINTENANCE	GREASE STUART FRAC STACK, HYD VALVE LEAKING AGAIN. WORK VALVE AND REGREASE,
23:00 - 23:15	0.25	FRAC	52 P - PRESSURE TEST	B - PRE FRAC	HYD VALVE LEAKING. HAD TO CLOSE CROWN VALVE TO ACHIEVE PRESSURE TEST, OPEN CROWN AND GOT A RATE OF PRESSURE INCREASE THRU LEAKING HYD VALVE @ 800 PSI PER MIN. OPEN WELL @ 23:15 TO FRAC STAGE # 15 PRESSURE TEST FRAC IRON TO 8,900 PSIG. GOOD TEST. EQUALIZEDw/ 5200 PSI & OPEN WELL
23:15 - 00:00	0.75	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	FRAC STAGE #15 ON PAD @ MIDNIGHT

WINS No: J8081		YOKUM UL UNIT 19-4 3H				Date: 2/19/2017	
AFE No: 2124239		Daily Completion and Workover Report				DOL:	
OPERATE SUMMARY: STIMULATE STG #15 TO18 PLACING 1,999,980 LBS OF 100 MESH IN 43,781 BBLs OF SW. PLUG AND PERF STG # 16,17,18,19 WITH (96) SHOTS OF EXP-2716-421T CHARGES, 16GM 0.38" EHD 4 SPF FROM 13,830' TO 13,072'							
REPT NO. 12	OPERATOR ANADARKO E&P ONSHORE LLC			FIELD NAME YOKUM UL UNIT 19-4 1H/2H/3H PAD		SUPERVISOR / ENGINEER DOUG ANDERSON / RYAN LEACHMAN	
SPIN DATE 12/15/2016	API 4230133030	STATE TEXAS		COUNTY LOVING		DIVISION US SOUTHERN REGION	RIG NAME
CURRENT STATUS FINISH STAGE 15 FRAC							
24 HR FORECAST FRAC STAGE 15,16,17,18 PERF 19							
GL ELEV 2,771.0 (ft)		RKB 2,796.01 (ft)		FORMATION WOLFCAMP W1		TMD	TVD
JOB # 2124239	JOB START DATE 2/2/2017		JOB OBJECTIVE DEVELOPMENT		AUTH COST / WI% \$ 5,342,866 / 100 %		DAY COST / CUM COST \$364,419 / \$1,824,355
CASING DETAILS							
ASSEMBLY	SIZE	INST DATE	FROM (ft)	TO (ft)	SIZE	WEIGHT	GRADE
							THRDS

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/19/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

PERFORATIONS

ZONE	DATE	SIDETRACK #	STATUS	TYPE	TOP (ft)	BASE (ft)
	2/20/2017	OH	OPEN	PERFORATED	0.0	0.0
	2/20/2017	OH	OPEN	PERFORATED	0.0	0.0
	2/20/2017	OH	OPEN	PERFORATED	0.0	0.0
	2/20/2017	OH	OPEN	PERFORATED	0.0	0.0
	2/20/2017	OH	OPEN	PERFORATED	0.0	0.0
	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	0.0	0.0
	2/20/2017	OH	OPEN	PERFORATED	0.0	0.0
	2/20/2017	OH	OPEN	PERFORATED	13,030.0	13,031.0
	2/20/2017	OH	OPEN	PERFORATED	0.0	0.0
	2/20/2017	OH	OPEN	PERFORATED	12,869.0	12,870.0
	2/20/2017	OH	OPEN	PERFORATED	0.0	0.0
	2/20/2017	OH	OPEN	PERFORATED	0.0	0.0
	2/20/2017	OH	OPEN	PERFORATED	12,997.0	12,998.0
	2/20/2017	OH	OPEN	PERFORATED	12,933.0	12,934.0
	2/20/2017	OH	OPEN	PERFORATED	0.0	0.0
	2/20/2017	OH	OPEN	PERFORATED	0.0	0.0
	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
	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

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/19/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

	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

STIMULATE STG #15 TO18 PLACING 1,999,980 LBS OF 100 MESH IN 43,781 BBLs OF SW.

PLUG AND PERF STG # 16,17,18,19 WITH (96) SHOTS OF EXP-2716-421T CHARGES, 16GM 0.38" EHD 4 SPF FROM 13,830' TO 13,072

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/19/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 02:50	2.83	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	<p>FINISH FRAC ON STAGE # 15</p> <p>ATR: 60.5 BPM SW: 10,379.9 BBLS</p> <p>MTR 70.2 BPM PDV: 50 BBLS</p> <p>ATP: 7,962 PSI TOTAL FLUIDS: 11,109.7 BBLS</p> <p>MTP: 8,600 PSI 100 M: 497,960 LBS</p> <p>15%: 28.6 BBLS</p> <p>ISIP - 5,550 PSIG</p> <p>FG - 0.908 PSI/FT</p> <p>STAGE REMARKS:</p> <p>OPENED WELL AT 16:54 WITH 4,940 PSI. PUMPED 1,231 GALLONS 15% HCL ACID (GOOD BREAK). BALL SEAT AT 8.8 BPM/ 291 BBLS/ 6,250 PSI AND BROKE AT 7,640 PSI. DECREASED FR THROUGHOUT STAGE AS PRESSURE ALLOWED. INCREASED FR TO 1.0 GPT HALFWAY THRU 2.0 PPG SAND STAGE TO PREPARE WELLBORE FOR FLUSH. INCREASED RATE (10 BPM OVER DESIGN - OR AS PRESSURE ALLOWED) AFTER CUTTING BLENDER SCREWS FOR FLUSH. PUMPED 20 GALLONS OF STIM GEL AT THE BEGINNING OF FLUSH. OVER-FLUSHED 200 BBLS. ALL PROPPANT PLACED.</p>
02:50 - 03:12	0.37	FRAC	52 P - PRESSURE TEST	A - PRE PERF	<p>P/U 3.50" FTCP BOSS HOGG FRAC PLUG AND GUNS. EQUALIZE PRESSURE TO 4,600 PSIG. OPEN HYDRAULIC MASTER VALVE. RIH.</p>
03:12 - 04:30	1.30	FRAC	37 P - PERFORATING	E - PERFORATE CASING	<p>PNP STAGE #16</p> <p>RIH W/ (6) - 1' X 2.750" (24 SHOTS) GUN W/ TITAN EXP-2716-421T CHARGES, 16GM 0.38" EHD LOADED 4 SPF, 60 DEG PHS & BOSS HOGG FRAC 3.50" OD FTCP. PUMP TOOLS DOWN IN LATERAL SECTION, CORRELATE TO 7" x 4 1/2" LINER ELEMENT TOP (10,993'). PUMP TOOLS DOWN IN LATERAL SECTION, RUNNING SPEED: 400 FPM</p> <p>3 BPM @ 5,060 PSIG</p> <p>6 BPM @ 5,680 PSIG</p> <p>9 BPM @ 6,120 PSIG</p> <p>MAX PRESS - 6510, PSIG</p> <p>PDV- 50 BBLS</p> <p>PULL INTO POSITION & PERF INTERVALS FROM</p> <p>FTCP - 13,849'</p> <p>13,829' TO 30'</p> <p>13,797' TO 98'</p> <p>13,765' TO 66'</p> <p>13,733' TO 34'</p> <p>13,701' TO 02'</p> <p>13,669' TO 70'</p> <p>POOH ABOVE TOOL TRAP & CLOSE UPPER FRAC VALVE TO MAKE SURE TOOL STRING WAS ABOVE (IT WAS). LAY GUNS DOWN. CONFIRMED ALL SHOTS FIRED. DROP BALL.</p>
04:30 - 04:55	0.42	FRAC	47 P - COMPLETION EQUIPMENT	C - MAINTENANCE	GREASE STUART HYD VALVE
04:55 - 05:20	0.42	FRAC	52 P - PRESSURE TEST	B - PRE FRAC	PRESSURE TEST IRON TO 9,100 PSI, EQUALIZE AND OPEN WELL W/ 5200 PSI
05:20 - 09:24	4.07	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	<p>FRAC STAGE # 16</p> <p>ATR: 58.2 BPM SW: 11,219 BBLS</p> <p>MTR 63.2 BPM PDV: 28 BBLS</p> <p>ATP: 8,233 PSI TOTAL FLUIDS: 11,294 BBLS</p> <p>MTP: 8,740 PSI 100 M: 49,600 LBS</p> <p>15%: 27.6 BBLS</p> <p>ISIP - 5,700 PSIG</p> <p>FG - 0.920 PSI/FT</p> <p>NON-PRODUCTIVE TIME: 0.00 HRS</p> <p>STAGE REMARKS:</p> <p>OPENED WELL AT 05:19 WITH 4,780 PSI. PUMPED 1,158 GALLONS 15% HCL ACID (GOOD BREAK). BALL SEAT AT 8.3 BPM/ 280 BBLS/ 6,460 PSI AND BROKE AT 8,370 PSI. INCREASED RATE (10 BPM OVER DESIGN - OR AS PRESSURE ALLOWED) AFTER CUTTING BLENDER SCREWS FOR FLUSH. PUMPED 20 GALLONS OF STIM GEL AT THE BEGINNING OF FLUSH. OVER-FLUSHED 200 BBLS. ALL PROPPANT PLACED.</p>

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/19/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
09:24 - 09:35	0.18	FRAC	37 P - PERFORATING	1 - RU / RD PERFORATING EQUIPMENT	P/U 3.50" FTCP BOSS HOGG FRAC PLUG AND GUNS. EQUALIZE PRESSURE TO 4,600 PSIG. OPEN HYDRAULIC MASTER VALVE. RIH.
09:35 - 11:11	1.60	FRAC	37 P - PERFORATING	B - OVERBALANCED PERF.	<p>PNP STAGE #17</p> <p>RIH W/ (6) - 1' X 2.750" (24 SHOTS) GUN W/ TITAN EXP-2716-421T CHARGES, 16GM 0.38" EHD LOADED 4 SPF, 60 DEG PHS & BOSS HOGG FRAC 3.50" OD FTCP. PUMP TOOLS DOWN IN LATERAL SECTION, CORRELATE TO 7" x 4 1/2" LINER ELEMENT TOP (10,993'). PUMP TOOLS DOWN IN LATERAL SECTION, RUNNING SPEED: 400 FPM</p> <p>3 BPM @ 5,045 PSIG 6 BPM @ 5,270 PSIG 9 BPM @ 6,000 PSIG</p> <p>MAX PRESS - 6,200 PSIG PDV - 47 BBLS</p> <p>PULL INTO POSITION & PERF INTERVALS FROM</p> <p>FTCP - 13,649' 13,629' - 30' 13,597' - 98' 13,563' - 64' 13,533' - 34' 13,501' - 02' 13,469' - 70'</p> <p>POOH ABOVE TOOL TRAP & CLOSE UPPER FRAC VALVE TO MAKE SURE TOOL STRING WAS ABOVE (IT WAS). LAY GUNS DOWN. CONFIRMED ALL SHOTS FIRED. DROP BALL.</p>
11:11 - 11:38	0.45	FRAC	36 P - FRACING	1 - RU / RD FRAC EQP	GREASED THE FRAC STACK. PRESSURE TEST IRON TO 9,100 PSI, EQUALIZE AND OPEN WELL W/ 5200 PSI
11:38 - 15:46	4.13	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	<p>FRAC STAGE #17</p> <p>ATR: 59 BPM SW: 10,729.6BBLS MTR 68.4 BPM PDV: 39 BBLS ATP: 7.974 PSI TOTAL FLUIDS: 11,450.1 BBLS MTP: 8,550 PSI 100 M: 502,600 LBS 15%: 32.5 BBLS ISIP - 5,810 PSIG FG - 0.929 PSI/FT</p> <p>STAGE REMARKS: OPENED WELL AT 11:39 WITH 4,730 PSI. PUMPED 1,364 GALLONS 15% HCL ACID (GOOD BREAK). BALL SEAT AT 8.0 BPM/ 276 BBLS/ 6,500 PSI AND BROKE AT 8,420 PSI. DECREASED FR THROUGHOUT STAGE AS PRESSURE ALLOWED. INCREASED FR TO 1.0 GPT HALFWAY THRU 2.0 PPG SAND STAGE TO PREPARE WELLBORE FOR FLUSH. INCREASED RATE (10 BPM OVER DESIGN - OR AS PRESSURE ALLOWED) AFTER CUTTING BLENDER SCREWS FOR FLUSH. PUMPED 20 GALLONS OF STIM GEL AT THE BEGINNING OF FLUSH. OVER-FLUSHED 200 BBLS. ALL PROPPANT PLACED.</p>
15:46 - 16:00	0.23	FRAC	37 P - PERFORATING	1 - RU / RD PERFORATING EQUIPMENT	P/U 3.50" FTCP BOSS HOGG FRAC PLUG AND GUNS. EQUALIZE PRESSURE TO 4,600 PSIG. OPEN HYDRAULIC MASTER VALVE. RIH.

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/19/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
16:00 - 17:45	1.75	FRAC	37 P - PERFORATING	B - OVERBALANCED PERF.	<p>PNP STAGE #18</p> <p>RIH W/ (6) - 1' X 2.750" (24 SHOTS) GUN W/ TITAN EXP-2716-421T CHARGES, 16GM 0.38" EHD LOADED 4 SPF, 60 DEG PHS & BOSS HOGG FRAC 3.50" OD FTCP. PUMP TOOLS DOWN IN LATERAL SECTION, CORRELATE TO 7" x 4 1/2" LINER ELEMENT TOP (10,993'). PUMP TOOLS DOWN IN LATERAL SECTION, RUNNING SPEED: 400 FPM</p> <p>3 BPM @ 5,180 PSIG 6 BPM @ 5,490 PSIG 9 BPM @ 5,940 PSIG</p> <p>MAX PRESS - 6,180 PSIG PDV - 39 BBLS</p> <p>PULL INTO POSITION & PERF INTERVALS FROM</p> <p>FTCP - 13,449' 13,427' - 28' 13,397' - 98' 13,365' - 66' 13,333' - 34' 13,301' - 02' 13,269' - 70'</p> <p>POOH ABOVE TOOL TRAP & CLOSE UPPER FRAC VALVE TO MAKE SURE TOOL STRING WAS ABOVE (IT WAS). LAY GUNS DOWN. CONFIRMED ALL SHOTS FIRED. DROP BALL.</p>
17:45 - 18:00	0.25	FRAC	52 P - PRESSURE TEST	B - PRE FRAC	PRESSURE TEST IRON TO 9,100 PSI, EQUALIZE AND OPEN WELL W/ 5200 PSI
18:00 - 21:55	3.92	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	<p>FRAC STAGE #18</p> <p>ATR: 57.6 BPM SW: 10,723.5 BBLS MTR 64.4 BPM PDV: 37 BBLS ATP: 8,241 PSI TOTAL FLUIDS: 10,982.3 BBLS MTP: 8,670 PSI 100 M: 499,820 LBS 15%: 30.8 BBLS ISIP - 5,790 PSIG FG - 0.928 PSI/FT</p> <p>STAGE REMARKS: OPENED WELL AT 18:01 WITH 4,930 PSI. BACKSIDE BLED DOWN TO 800 PSI. PUMPED 1,295 GALLONS 15% HCL ACID (GOOD BREAK). BALL SEAT AT 8.4 BPM/ 275 BBLS/ 6,570 PSI AND BROKE AT 7,950 PSI. DECREASED FR THROUGHOUT STAGE AS PRESSURE ALLOWED. INCREASED FR TO 1.0 GPT HALFWAY THRU 2.0 PPG SAND STAGE TO PREPARE WELLBORE FOR FLUSH. INCREASED RATE (10 BPM OVER DESIGN - OR AS PRESSURE ALLOWED) AFTER CUTTING BLENDER SCREWS FOR FLUSH. PUMPED 20 GALLONS OF STIM GEL AT THE BEGINNING OF FLUSH. OVER-FLUSHED 200 BBLS. ALL PROPPANT PLACED.</p>
21:55 - 22:10	0.25	FRAC	52 P - PRESSURE TEST	A - PRE PERF	<p>P/U 3.50" FTCP BOSS HOGG FRAC PLUG AND GUNS. EQUALIZE PRESSURE TO 4,600 PSIG. OPEN HYDRAULIC MASTER VALVE. RIH.</p>

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/19/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
22:10 - 23:40	1.50	FRAC	37 P - PERFORATING	E - PERFORATE CASING	<p>PNP STAGE #19</p> <p>RIH W/ (6) - 1' X 2.750" (24 SHOTS) GUN W/ TITAN EXP-2716-421T CHARGES, 16GM 0.38" EHD LOADED 4 SPF, 60 DEG PHS & BOSS HOGG FRAC 3.50" OD FTCP. PUMP TOOLS DOWN IN LATERAL SECTION, CORRELATE TO 7" x 4 1/2" LINER ELEMENT TOP (10,993'). PUMP TOOLS DOWN IN LATERAL SECTION, RUNNING SPEED: 400 FPM</p> <p>3 BPM @ 5,170 PSIG 6 BPM @ 5,550 PSIG 9 BPM @ 6,080 PSIG</p> <p>MAX PRESS - 6,380 PSIG PDV - 37 BBLS</p> <p>PULL INTO POSITION & PERF INTERVALS FROM</p> <p>FTCP - 13,251' 13,229' TO 30' 13,197' TO 98' 13,165' TO 66' 13,133' TO 34' 13,101' TO 02' 13,071' TO 72'</p> <p>POOH ABOVE TOOL TRAP & CLOSE UPPER FRAC VALVE TO MAKE SURE TOOL STRING WAS ABOVE (IT WAS). LAY GUNS DOWN. CONFIRMED ALL SHOTS FIRED. DROP BALL.</p>
23:40 - 00:00	0.33	FRAC	47 P - COMPLETION EQUIPMENT	C - MAINTENANCE	GREASE STUART HYD VALVE

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/20/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

PERFORATIONS

ZONE	DATE	SIDETRACK #	STATUS	TYPE	TOP (ft)	BASE (ft)
	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: 2/20/2017

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

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/20/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

SUMMARY

STIMULATE STG #19 TO 22 PLACING 1,995,460 LBS OF 100 MESH IN 44,663 BBLs OF SW.
PLUG AND PERF STG #20, 21,22,23 WITH (96) SHOTS OF EXP-2716-421T CHARGES, 16GM 0.38" EHD 4 SPF FROM 13,031 TO 12,270'

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/20/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
00:00 - 00:18	0.30	FRAC	52 P - PRESSURE TEST	B - PRE FRAC	PRESSURE TEST IRON TO 9,100 PSI, EQUALIZE AND OPEN WELL W/ 5200 PSI
00:18 - 04:20	4.03	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	<p>FRAC STAGE # 19</p> <p>ATR: 57.9 BPM SW: 11,058 BBLS</p> <p>MTR: 70.4 BPM PDV: 34 BBLS</p> <p>ATP: 8,087 PSI TOTAL FLUIDS: 11,121 BBLS</p> <p>MTP: 8,640 PSI 100 M: 498,480 LBS</p> <p>15%: 28.9 BBLS</p> <p>ISIP - 5,743 PSIG</p> <p>FG - 0.924 PSI/FT</p> <p>NON-PRODUCTIVE TIME: 0.00 HRS</p> <p>STAGE REMARKS:</p> <p>OPENED WELL AT 00:17 WITH 5,000 PSI. PUMPED 1,214 GALLONS 15% HCL ACID (GOOD BREAK). BALL SEAT AT 8.7 BPM/ 279 BBLS/ 6,550 PSI AND BROKE AT 8,560 PSI. DECREASED FR THROUGHOUT STAGE AS PRESSURE ALLOWED. INCREASED FR TO 1.0 GPT HALFWAY THRU 2.0 PPG SAND STAGE TO PREPARE WELLBORE FOR FLUSH. INCREASED RATE (10 BPM OVER DESIGN - OR AS PRESSURE ALLOWED) AFTER CUTTING BLENDER SCREWS FOR FLUSH. PUMPED 20 GALLONS OF STIM GEL AT THE BEGINNING OF FLUSH. OVER-FLUSHED 200 BBLS. ALL PROPPANT PLACED.</p>
04:20 - 04:35	0.25	FRAC	52 P - PRESSURE TEST	A - PRE PERF	P/U 3.50" FTCP BOSS HOGG FRAC PLUG AND GUNS. EQUALIZE PRESSURE TO 4,600 PSIG. OPEN HYDRAULIC MASTER VALVE. RIH.
04:35 - 06:00	1.42	FRAC	37 P - PERFORATING	E - PERFORATE CASING	<p>PERFORATE STAGE 20</p> <p>RIH W/ (6) - 1' X 2.750" (24 SHOTS) GUN W/ TITAN EXP-2716-421T CHARGES, 16GM 0.38" EHD LOADED 4 SPF, 60 DEG PHS & BOSS HOGG FRAC 3.50" OD FTCP. PUMP TOOLS DOWN IN LATERAL SECTION, CORRELATE TO 7" x 4 1/2" LINER ELEMENT TOP (10,993'). PUMP TOOLS DOWN IN LATERAL SECTION, RUNNING SPEED: 400 FPM</p> <p>3 BPM @ 4,960 PSIG</p> <p>6 BPM @ 5,220 PSIG</p> <p>9 BPM @ 5,710 PSIG</p> <p>MAX PRESS - 6,110 PSIG</p> <p>PDV - 34 BBLS</p> <p>PULL INTO POSITION & PERF INTERVALS FROM</p> <p>FTCP - 13,049'</p> <p>13,030' - 31'</p> <p>12,997' - 98'</p> <p>12,965' - 66'</p> <p>12,933' - 34'</p> <p>12,904' - 05'</p> <p>12,869' - 70'</p> <p>POOH ABOVE TOOL TRAP & CLOSE UPPER FRAC VALVE TO MAKE SURE TOOL STRING WAS ABOVE (IT WAS). LAY GUNS DOWN. CONFIRMED ALL SHOTS FIRED. DROP BALL</p>
06:00 - 06:31	0.52	FRAC	36 P - FRACING	1 - RU / RD FRAC EQP	PRESSURE TEST IRON TO 9,000 PSI, EQUALIZE AND OPEN WELL W/ 5200 PSI
06:31 - 10:22	3.85	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	<p>FRAC STAGE #20</p> <p>ATR: 60.2 BPM SW: 11,200 BBLS</p> <p>MTR: 69.5 BPM PDV: 29 BBLS</p> <p>ATP: 8,054 PSI TOTAL FLUIDS: 11,258 BBLS</p> <p>MTP: 8,710 PSI 100 M: 498,000 LBS</p> <p>15%: 29.3 BBLS</p> <p>ISIP - 5,540 PSIG</p> <p>FG - 0.906 PSI/FT</p> <p>NON-PRODUCTIVE TIME: 0.00 HRS</p> <p>STAGE REMARKS:</p> <p>OPENED WELL AT 06:32 WITH 4,770 PSI. PUMPED 1,232 GALLONS 15% HCL ACID (GOOD BREAK). BALL SEAT AT 8.1 BPM/ 276 BBLS/ 6,330 PSI AND BROKE AT 7,820 PSI. DECREASED FR THROUGHOUT STAGE AS PRESSURE ALLOWED. INCREASED FR TO 1.0 GPT HALFWAY THRU 2.0 PPG SAND STAGE TO PREPARE WELLBORE FOR FLUSH. INCREASED RATE (10 BPM OVER DESIGN - OR AS PRESSURE ALLOWED) AFTER CUTTING BLENDER SCREWS FOR FLUSH. PUMPED 10 GALLONS OF STIM GEL AT THE BEGINNING OF FLUSH. OVER-FLUSHED 150 BBLS. ALL PROPPANT PLACED.</p>

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/20/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
10:22 - 10:38	0.27	FRAC	37 P - PERFORATING	1 - RU / RD PERFORATING EQUIPMENT	P/U 3.50" FTCP BOSS HOGG FRAC PLUG AND GUNS. EQUALIZE PRESSURE TO 4,600 PSIG. OPEN HYDRAULIC MASTER VALVE. RIH.
10:38 - 12:01	1.38	FRAC	37 P - PERFORATING	B - OVERBALANCED PERF.	<p>PERFORATE STAGE #21</p> <p>RIH W/ (6) - 1' X 2.750" (24 SHOTS) GUN W/ TITAN EXP-2716-421T CHARGES, 16GM 0.38" EHD LOADED 4 SPF, 60 DEG PHS & BOSS HOGG FRAC 3.50" OD FTCP. PUMP TOOLS DOWN IN LATERAL SECTION, CORRELATE TO 7" x 4 1/2" LINER ELEMENT TOP (10,993'). PUMP TOOLS DOWN IN LATERAL SECTION, RUNNING SPEED: 400 FPM</p> <p>3 BPM @ 4,860 PSIG 6 BPM @ 5,240 PSIG 9 BPM @ 5,670 PSIG</p> <p>MAX PRESS - 5,940 PSIG PDV - 29 BBLS</p> <p>PULL INTO POSITION & PERF INTERVALS FROM</p> <p>FTCP - 12,849' 12,829' - 30' 12,797' - 98' 12,765' - 66' 12,733' - 34' 12,701' - 02' 12,673' - 74'</p> <p>POOH ABOVE TOOL TRAP & CLOSE UPPER FRAC VALVE TO MAKE SURE TOOL STRING WAS ABOVE (IT WAS). LAY GUNS DOWN. CONFIRMED ALL SHOTS FIRED. DROP BALL</p>
12:01 - 12:32	0.52	FRAC	36 P - FRACING	1 - RU / RD FRAC EQP	GREASED THE FRAC STACK. PRESSURE TEST IRON TO 9,000 PSI, EQUALIZE AND OPEN WELL W/ 5000 PSI
12:32 - 16:16	3.73	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	<p>FRAC STAGE #21</p> <p>ATR: 60.4 BPM SW: 10,535 BBLS MTR: 69.5 BPM PDV: 24 BBLS ATP: 7,883 PSI TOTAL FLUIDS: 11,175.1 BBLS MTP: 8,740 PSI 100 M: 499,700 LBS 15%: 28.1BLS ISIP - 5,550 PSIG FG - 0.907 PSI/FT</p> <p>STAGE REMARKS: OPENED WELL AT 12:33 WITH 4,600 PSI. PUMPED 1,180 GALLONS 15% HCL ACID (GOOD BREAK). BALL SEAT AT 8.3 BPM/ 270 BBLS/ 6,030 PSI AND BROKE AT 7,580 PSI. DECREASED FR THROUGHOUT STAGE AS PRESSURE ALLOWED. INCREASED FR TO 1.0 GPT HALFWAY THRU 2.0 PPG SAND STAGE TO PREPARE WELLBORE FOR FLUSH. INCREASED RATE (10 BPM OVER DESIGN - OR AS PRESSURE ALLOWED) AFTER CUTTING BLENDER SCREWS FOR FLUSH. PUMPED 10 GALLONS OF STIM GEL AT THE BEGINNING OF FLUSH. OVER-FLUSHED 150 BBLS. ALL PROPPANT PLACED.</p>
16:16 - 16:31	0.25	FRAC	37 P - PERFORATING	1 - RU / RD PERFORATING EQUIPMENT	P/U 3.50" FTCP BOSS HOGG FRAC PLUG AND GUNS. EQUALIZE PRESSURE TO 4,600 PSIG. OPEN HYDRAULIC MASTER VALVE. RIH.

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/20/2017

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Daily Completion and Workover Report

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OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
16:31 - 18:02	1.52	FRAC	37 P - PERFORATING	B - OVERBALANCED PERF.	<p>PERFORATE STAGE # 22</p> <p>RIH W/ (6) - 1' X 2.750" (24 SHOTS) GUN W/ TITAN EXP-2716-421T CHARGES, 16GM 0.38" EHD LOADED 4 SPF, 60 DEG PHS & BOSS HOGG FRAC 3.50" OD FTCP. PUMP TOOLS DOWN IN LATERAL SECTION, CORRELATE TO 7" x 4 1/2" LINER ELEMENT TOP (10,993'). PUMP TOOLS DOWN IN LATERAL SECTION, RUNNING SPEED: 400 FPM</p> <p>3 BPM @ 5,040 PSIG 6 BPM @ 5,350 PSIG 9 BPM @ 5,760 PSIG</p> <p>MAX PRESS - 5,950 PSIG PDV - 24 BBLS</p> <p>PULL INTO POSITION & PERF INTERVALS FROM</p> <p>FTCP - 12,649' 12,629' - 30' 12,597' - 98' 12,565' - 66' 12,351' - 32' 12,501' - 02' 12,469' - 50'</p> <p>POOH ABOVE TOOL TRAP & CLOSE UPPER FRAC VALVE TO MAKE SURE TOOL STRING WAS ABOVE (IT WAS). LAY GUNS DOWN. CONFIRMED ALL SHOTS FIRED. DROP BALL</p>
18:02 - 18:40	0.63	FRAC	52 P - PRESSURE TEST	B - PRE FRAC	<p>PRESSURE TEST IRON TO 9,000 PSI, REPAIR LEAKS AND RETEST, EQUALIZE AND OPEN WELL W/ 5000 PSI</p>
18:40 - 22:17	3.62	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	<p>FRAC STAGE #22</p> <p>ATR: 60.9 BPM SW: 10,476.7 BBLS MTR: 70.2 BPM PDV: 21 BBLS ATP: 7,905 PSI TOTAL FLUIDS: 11,108.8 BBLS MTP: 8,640 PSI 100 M: 499,280LBS 15%: 32.1 BLS ISIP - 5,650 PSIG FG - 0.916 PSI/FT</p> <p>STAGE REMARKS: OPENED WELL AT 18:40 WITH 4,750 PSI. PUMPED 1,191 GALLONS 15% HCL ACID (GOOD BREAK). BALL SEAT AT 7.6 BPM/ 264 BBLS/ 6,130 PSI AND BROKE AT 6,870 PSI. DECREASED FR THROUGHOUT STAGE AS PRESSURE ALLOWED. INCREASED FR TO 1.0 GPT HALFWAY THRU 2.0 PPG SAND STAGE TO PREPARE WELLBORE FOR FLUSH. INCREASED RATE (10 BPM OVER DESIGN - OR AS PRESSURE ALLOWED) AFTER CUTTING BLENDER SCREWS FOR FLUSH. PUMPED 10 GALLONS OF STIM GEL AT THE BEGINNING OF FLUSH. OVER-FLUSHED 150 BBLS. ALL PROPPANT PLACED.</p>
22:17 - 22:30	0.22	FRAC	52 P - PRESSURE TEST	A - PRE PERF	<p>P/U 3.50" FTCP BOSS HOGG FRAC PLUG AND GUNS. EQUALIZE PRESSURE TO 4,600 PSIG. OPEN HYDRAULIC MASTER VALVE. RIH.</p>

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/20/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
22:30 - 23:39	1.15	FRAC	37 P - PERFORATING	E - PERFORATE CASING	<p>PERFORATE STAGE # 23</p> <p>RIH W/ (6) - 1' X 2.750" (24 SHOTS) GUN W/ TITAN EXP-2716-421T CHARGES, 16GM 0.38" EHD LOADED 4 SPF, 60 DEG PHS & BOSS HOGG FRAC 3.50" OD FTCP. PUMP TOOLS DOWN IN LATERAL SECTION, CORRELATE TO 7" x 4 1/2" LINER ELEMENT TOP (10,993'). PUMP TOOLS DOWN IN LATERAL SECTION, RUNNING SPEED: 400 FPM</p> <p>3 BPM @ 5,020 PSIG 6 BPM @ 5,420 PSIG 9 BPM @ 5,970 PSIG</p> <p>MAX PRESS - 6,190 PSIG PDV - 21 BBLS</p> <p>PULL INTO POSITION & PERF INTERVALS FROM</p> <p>FTCP - 12,450'</p> <p>12,429' TO 30' 12,396' TO 97' 12,365' TO 66' 12,333' TO 34' 12,301' TO 02' 12,269' TO 70'</p> <p>POOH ABOVE TOOL TRAP & CLOSE UPPER FRAC VALVE TO MAKE SURE TOOL STRING WAS ABOVE (IT WAS). LAY GUNS DOWN. CONFIRMED ALL SHOTS FIRED. DROP BALL</p>
23:39 - 00:00	0.35	FRAC	47 P - COMPLETION EQUIPMENT	C - MAINTENANCE	GREASE STUART FRAC STACK

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/21/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

PERFORATIONS

ZONE	DATE	SIDETRACK #	STATUS	TYPE	TOP (ft)	BASE (ft)
	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: 2/21/2017

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

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/21/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

SUMMARY

STIMULATE STG #23& 24 PLACING 22,251 LBS OF 100 MESH IN 997,280 BBLS OF SW.

PLUG AND PERF STG # 24 WITH (24) SHOTS OF EXP-2716-421T CHARGES, 16GM 0.38" EHD 4 SPF FROM 12,230' - 12,069..RIH WTH (2) COPPERHEAD PLUGS

WINS No: J8081		YOKUM UL UNIT 19-4 3H				Date: 2/21/2017
AFE No: 2124239		Daily Completion and Workover Report				DOL:
OPERATION DETAILS						
HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION	
00:00 - 00:11	0.18	FRAC	47 P - COMPLETION EQUIPMENT	C - MAINTENANCE	FINISH GREASING STUART FRAC STACK	
00:11 - 00:30	0.32	FRAC	52 P - PRESSURE TEST	A - PRE PERF	PRESSURE TEST IRON TO 9,020 PSI, EQUALIZE AND OPEN WELL W/ 5200 PSI	
00:30 - 04:15	3.75	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	FRAC STAGE #23 ATR: 59.8 BPM SW: 10,870 BBLS MTR: 70.4 BPM PDV: 18 BBLS ATP: 7,912 PSI TOTAL FLUIDS: 10,921 BBLS MTP: 8,600 PSI 100 M: 499,160 LBS 15%: 32.1 BBLS ISIP - 5,680 PSIG FG - 0.919 PSI/FT NON-PRODUCTIVE TIME: 0.00 HRS STAGE REMARKS: OPENED WELL AT 00:30 WITH 4,840 PSI. PUMPED 1,350 GALLONS 15% HCL ACID (GOOD BREAK). BALL SEAT AT 8.7 BPM/ 286 BBLS/ 6,270 PSI AND BROKE AT 7,390 PSI. DECREASED FR THROUGHOUT STAGE AS PRESSURE ALLOWED. INCREASED FR TO 1.0 GPT HALFWAY THRU 2.0 PPG SAND STAGE TO PREPARE WELLBORE FOR FLUSH. INCREASED RATE (10 BPM OVER DESIGN - OR AS PRESSURE ALLOWED) AFTER CUTTING BLENDER SCREWS FOR FLUSH. PUMPED 10 GALLONS OF STIM GEL AT THE BEGINNING OF FLUSH. OVER-FLUSHED 150 BBLS. ALL PROPPANT PLACED.	
04:15 - 04:30	0.25	FRAC	52 P - PRESSURE TEST	A - PRE PERF	P/U 3.50" FTCP BOSS HOGG FRAC PLUG AND GUNS. EQUALIZE PRESSURE TO 4,600 PSIG. OPEN HYDRAULIC MASTER VALVE. RIH.	
04:30 - 05:45	1.25	FRAC	37 P - PERFORATING	E - PERFORATE CASING	PERFORATE STAGE 24 RIH W/ (6) - 1' X 2.750" (24 SHOTS) GUN W/ TITAN EXP-2716-421T CHARGES, 16GM 0.38" EHD LOADED 4 SPF, 60 DEG PHS & BOSS HOGG FRAC 3.50" OD FTCP. PUMP TOOLS DOWN IN LATERAL SECTION, CORRELATE TO 7" x 4 1/2" LINER ELEMENT TOP (10,993'). PUMP TOOLS DOWN IN LATERAL SECTION, RUNNING SPEED: 400 FPM 3 BPM @ 4,740 PSIG 6 BPM @ 5,110 PSIG 9 BPM @ 5,680 PSIG MAX PRESS - 5,910 PSIG PDV - 18 BBLS PULL INTO POSITION & PERF INTERVALS FROM FTCP - 12,249' 12,229' - 30' 12,197' - 98' 12,165' - 66' 12,133' - 34' 12,101' - 02' 12,069' - 70' POOH ABOVE TOOL TRAP & CLOSE UPPER FRAC VALVE TO MAKE SURE TOOL STRING WAS ABOVE (IT WAS). LAY GUNS DOWN. CONFIRMED ALL SHOTS FIRED. DROP BALL	
05:45 - 06:11	0.43	FRAC	36 P - FRACING	1 - RU / RD FRAC EQP	PRESSURE TEST IRON TO 9,020 PSI, EQUALIZE AND OPEN WELL W/ 5200 PSI	

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 2/21/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

OPERATION DETAILS

HOURS	DUR (hr)	PHASE	CODE	SUB	DESCRIPTION
06:11 - 10:10	3.98	FRAC	36 P - FRACING	H - SAND SLICKWATER FRAC	FRAC STAGE #24 ATR: 61.0 BPM SW: 11,381 BBLS MTR: 69.3 BPM PDV: N/A BBLS ATP: 7,805 PSI TOTAL FLUIDS: 11,411 BBLS MTP: 8,620 PSI 100 M: 498,120 LBS 15%: 32.2 BBLS ISIP - 5,490 PSIG 5 MIN - 5,040 PSIG. 10 MIN - 4,930 PSIG 15 MIN - 4,830 PSIG FG - 0.903 PSI/FT NON-PRODUCTIVE TIME: 0.00 HRS STAGE REMARKS: OPENED WELL AT 06:12 WITH 4,650 PSI. PUMPED 1,354 GALLONS 15% HCL ACID (GOOD BREAK). BALL SEAT AT 7.6 BPM/ 254 BBLS/ 6,130 PSI AND BROKE AT 7,020 PSI. DECREASED FR THROUGHOUT STAGE AS PRESSURE ALLOWED. INCREASED RATE (10 BPM OVER DESIGN - OR AS PRESSURE ALLOWED) AFTER CUTTING BLENDER SCREWS FOR FLUSH. OVER-FLUSHED 150 BBLS. ALL PROPPANT PLACED.
10:10 - 11:10	1.00	FRAC	36 P - FRACING	1 - RU / RD FRAC EQP	RD & MOVE OVER TO WELL
11:10 - 14:10	3.00	FRAC	34 P - WIRELINE	I - WIRELINE SET BRIDGE PLUG	RIH WITH 3.6" COPPERHEAD BRIDGE PLUG. TOOLS WENT TO SHORT. POOH.
14:10 - 15:30	1.33	FRAC	34 P - WIRELINE	I - WIRELINE SET BRIDGE PLUG	WH - 4,700 PSIG. RIH WITH 3.6" 1ST COPPERHEAD BRIDGE PLUG. SET PLUG @ 11,293' WLM. PERFORMED NEGATIVE TEST. NO FLOW. ZERO PRESSURE.
15:30 - 17:00	1.50	FRAC	34 P - WIRELINE	I - WIRELINE SET BRIDGE PLUG	WH - 0 PSIG. RIH WITH 3.6" 2ND COPPERHEAD BRIDGE PLUG. SET PLUG @ 11,253' WLM. POOH.
17:00 - 00:00	7.00	DRLOUT	46 P - WAITING	F - THIRD-PARTY SERVICES/PERS ONNEL	WAITING FOR DRILL OUT OPS