

WINS No: J8081

YOKUM UL UNIT 19-4 3H

Date: 3/3/2017

AFE No: 2124239

Daily Completion and Workover Report

DOL:

PERFORATIONS

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

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

SUMMARY

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

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OPERATION DETAILS

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

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

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