



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco, LLC

2/1s/36w Rawlins KS

2020 Bramblewood
Wichita, KS 67206

Schwerdt #1-2

Job Ticket: 53476

DST#: 9

ATTN: Pete Vollmer

Test Start: 2014.01.19 @ 19:48:00

GENERAL INFORMATION:

Formation: **LKC "E - F"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 22:27:15
 Tester: James Winder
 Time Test Ended: 06:45:15
 Unit No: 57
Interval: 4252.00 ft (KB) To 4620.00 ft (KB) (TVD)
 Reference Elevations: 3182.00 ft (KB)
 Total Depth: 4620.00 ft (KB) (TVD) 3169.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 13.00 ft

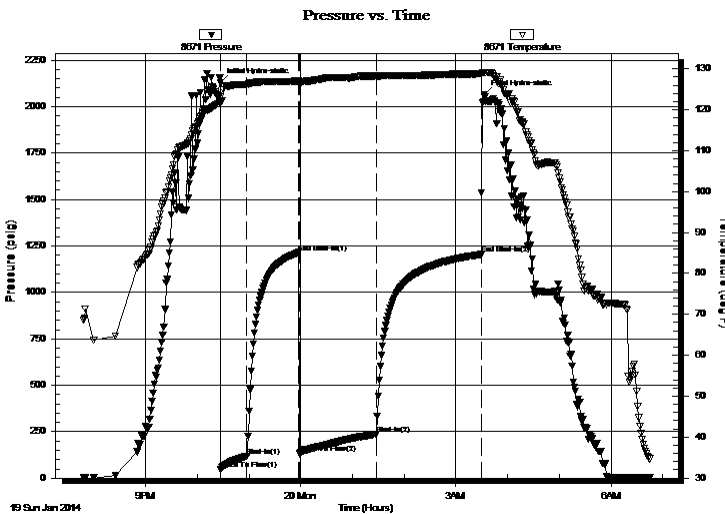
Serial #: 8671

Inside

Press @ Run Depth: 237.43 psig @ 4253.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.01.19 End Date: 2014.01.20 Last Calib.: 2014.01.20
 Start Time: 19:48:05 End Time: 06:45:15 Time On Btm: 2014.01.19 @ 22:27:00
 Time Off Btm: 2014.01.20 @ 03:33:15

TEST COMMENT: 30 - IF: 2" Blow at open, built to 9 1/2"
 60 - IS: No blow back
 90 - FF: Blow started at 2 min., built to 10 1/2"
 120 - FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2131.43	121.95	Initial Hydro-static
1	47.25	121.82	Open To Flow (1)
31	119.38	126.18	Shut-In(1)
91	1215.16	126.99	End Shut-In(1)
92	131.52	126.62	Open To Flow (2)
181	237.43	128.16	Shut-In(2)
303	1205.04	128.79	End Shut-In(2)
307	2063.54	129.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
92.00	SO/GWCM 63% <i>m</i> , 23% <i>w</i> , 11% <i>g</i> , 3% <i>o</i>	0.45
88.00	SO/GM 87% <i>m</i> , 10% <i>g</i> , 3% <i>o</i>	0.43
175.00	OCM 86% <i>m</i> , 10% <i>o</i> , 4% <i>g</i>	0.86
40.00	OM 55% <i>m</i> , 43% <i>o</i> , 2% <i>g</i>	0.20
75.00	MCO 84% <i>o</i> , 10% <i>m</i> , 6% <i>g</i>	0.37
0.00	GIP = 60'	0.00

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 48.00 sec/qt
Water Loss: 5.60 in³
Resistivity: ohm.m
Salinity: 800.00 ppm
Filter Cake: 2.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 34 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
92.00	SO/GWCM 63% <i>m</i> , 23% <i>w</i> , 11% <i>g</i> , 3% <i>o</i>	0.452
88.00	SO/GM 87% <i>m</i> , 10% <i>g</i> , 3% <i>o</i>	0.433
175.00	OCM 86% <i>m</i> , 10% <i>o</i> , 4% <i>g</i>	0.861
40.00	OM 55% <i>m</i> , 43% <i>o</i> , 2% <i>g</i>	0.197
75.00	MCO 84% <i>o</i> , 10% <i>m</i> , 6% <i>g</i>	0.369
0.00	GIP = 60'	0.000

Total Length: 470.00 ft Total Volume: 2.312 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity = 31.6 api @ 36 deg F
Corrected Gravity = 34 api

