



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco, LLC
2020 N. Bramblewood
Wichita, KS 67206
ATTN: Ryan White

22/1s/36w Rawlins KS
Michael #2-22
Job Ticket: 55084 **DST#: 6**
Test Start: 2013.09.16 @ 18:28:00

GENERAL INFORMATION:

Formation: **LKC "E"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:59:45
Time Test Ended: 06:21:45
Interval: **4250.00 ft (KB) To 4290.00 ft (KB) (TVD)**
Total Depth: 4290.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: James Winder
Unit No: 57
Reference Elevations: 3142.00 ft (KB)
3129.00 ft (CF)
KB to GR/CF: 13.00 ft

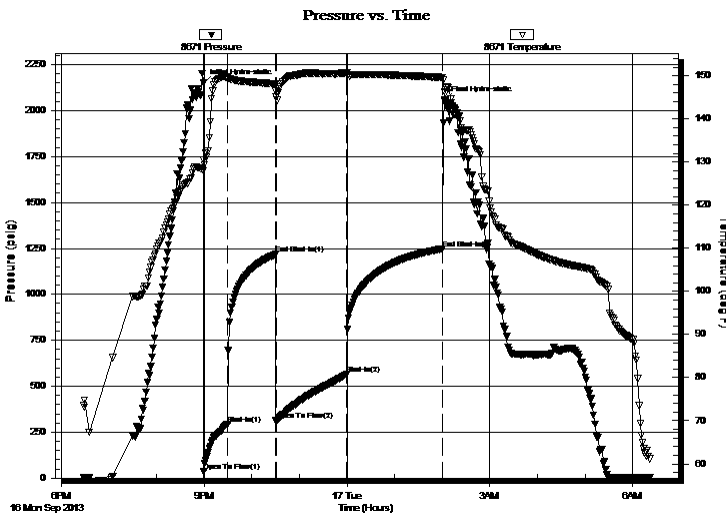
Serial #: 8671

Inside

Press @ Run Depth: 563.94 psig @ 4251.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.09.16 End Date: 2013.09.17 Last Calib.: 2013.09.17
Start Time: 18:28:05 End Time: 06:21:45 Time On Btm: 2013.09.16 @ 20:59:00
Time Off Btm: 2013.09.17 @ 02:02:45

TEST COMMENT: 30 - IF: Surging blow, built to BOB (11") in 4 1/2 min.
60 - IS: Blow back built to BOB at 17 min.
90 - FF: Blow built to BOB in 6 1/2 min.
120 - FS: Blow back built to 10"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2149.52	127.99	Initial Hydro-static
1	36.18	130.47	Open To Flow (1)
31	292.18	149.21	Shut-In(1)
91	1217.59	148.11	End Shut-In(1)
92	312.68	145.22	Open To Flow (2)
181	563.94	150.67	Shut-In(2)
302	1248.56	149.63	End Shut-In(2)
304	2056.36	146.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
88.00	SO/WCM 60%o, 30%w, 7%o, 3%g	0.43
1187.00	Rev. Out CGO 87%o, 11%g, 2%m	12.64
5.00	CO 96%o, 2%g, 2%m	0.07
0.00	GIP = 1025'	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: 57.00 sec/qt
Water Loss: 5.60 in³
Resistivity: ohm.m
Salinity: 1800.00 ppm
Filter Cake: 2.00 inches

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

Oil API: 31.6 deg API
Water Salinity: 14000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
88.00	SO/WCM 60%m, 30%w, 7%o, 3%g	0.433
1187.00	Rev. Out CGO 87%o, 11%g, 2%m	12.642
5.00	CO 96%o, 2%g, 2%m	0.070
0.00	GIP = 1025'	0.000

Total Length: 1280.00 ft Total Volume: 13.145 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity = 31.8 api @ 62 deg F Corrected Gravity = 31.6 api
RW = .548 ohms @ 60.2 deg F Chlorides = 14,000 ppm
GIP = 1025'

