



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco, LLC
 2020 N. Bramblewood
 Wichita, KS 67206
 ATTN: Bryan Bynog

9/1s/37w Cheyenne KS
Mears 'A' #4-9
 Job Ticket: 56976 **DST#: 3**
 Test Start: 2014.03.17 @ 07:18:00

GENERAL INFORMATION:

Formation: **LKC "D - E"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 10:17:00 Tester: James Winder
 Time Test Ended: 21:22:15 Unit No: 57
 Interval: **4225.00 ft (KB) To 4320.00 ft (KB) (TVD)** Reference Elevations: 3153.00 ft (KB)
 Total Depth: 4320.00 ft (KB) (TVD) 3142.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

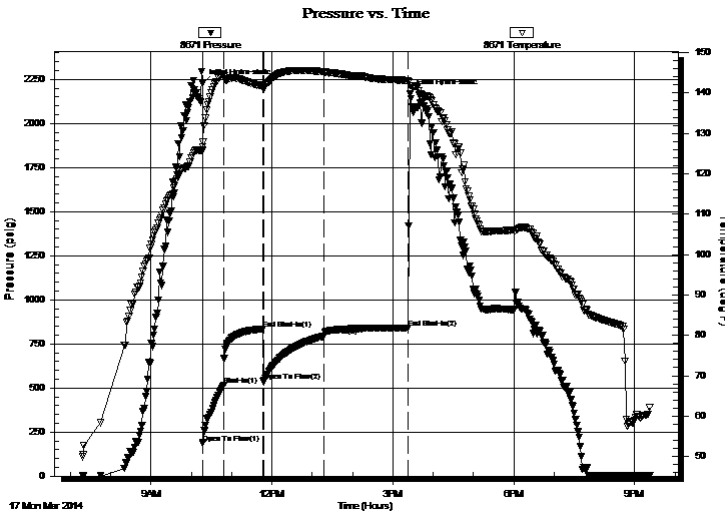
Serial #: 8671

Inside

Press@RunDepth: 793.65 psig @ 4226.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.03.17 End Date: 2014.03.17 Last Calib.: 2014.03.17
 Start Time: 07:18:05 End Time: 21:22:15 Time On Btm: 2014.03.17 @ 10:16:30
 Time Off Btm: 2014.03.17 @ 15:25:15

TEST COMMENT: 30 - IF: Blow built to BOB (11") in 1 3/4 min.
 60 - ISI: Bled off at 5 min., Blow back built to BOB at 14 1/4 min.
 90 - FF: Blow built to BOB at 2 3/4 min.
 120 - FSI: Bled off at 3 min., Blow back built to BOB at 16 min., GTS at 50 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2226.08	125.83	Initial Hydro-static
1	185.65	126.63	Open To Flow (1)
32	516.15	144.54	Shut-In(1)
90	834.73	141.65	End Shut-In(1)
91	536.49	140.92	Open To Flow (2)
181	793.65	145.27	Shut-In(2)
307	841.54	143.12	End Shut-In(2)
309	2166.62	141.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1735.00	Rev out for 30 min. Samples every 5 min.	20.87
0.00	5 min. CGO 75%o, 24%g, 1%m	0.00
0.00	10 min. CO 95%o, 4%g, 1%m	0.00
0.00	15 - 30 min. OCM 79%m, 20%o, 1%g	0.00
0.00	truck driver est. 12 bbl of fluid	0.00
120.00	under circ sub W w /OS 92%w, 7%m, 1%g	1.68

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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Mears 'A' #4-9

Job Ticket: 56976

DST#: 3

ATTN: Bryan Bynog

Test Start: 2014.03.17 @ 07:18:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37.8 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

21000 ppm

Viscosity: 66.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1735.00	Rev out for 30 min. Samples every 5 min.	20.867
0.00	5 min. CGO 75%o, 24%g, 1%m	0.000
0.00	10 min. CO 95%o, 4%g, 1%m	0.000
0.00	15 - 30 min. OCM 79%m, 20%o, 1%g	0.000
0.00	truck driver est. 12 bbl of fluid	0.000
120.00	under circ sub W w /OS 92%w , 7%m, 1%o	1.683
0.00	GIP = 2357'	0.000

Total Length: 1855.00 ft Total Volume: 22.550 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 38 api @ 62 deg F Corrected Gravity = 37.8 api

RW = .345 ohms @ 67.2 deg F Chlorides = 21,000 ppm

Pressure vs. Time

