



Hoisington, Kansas

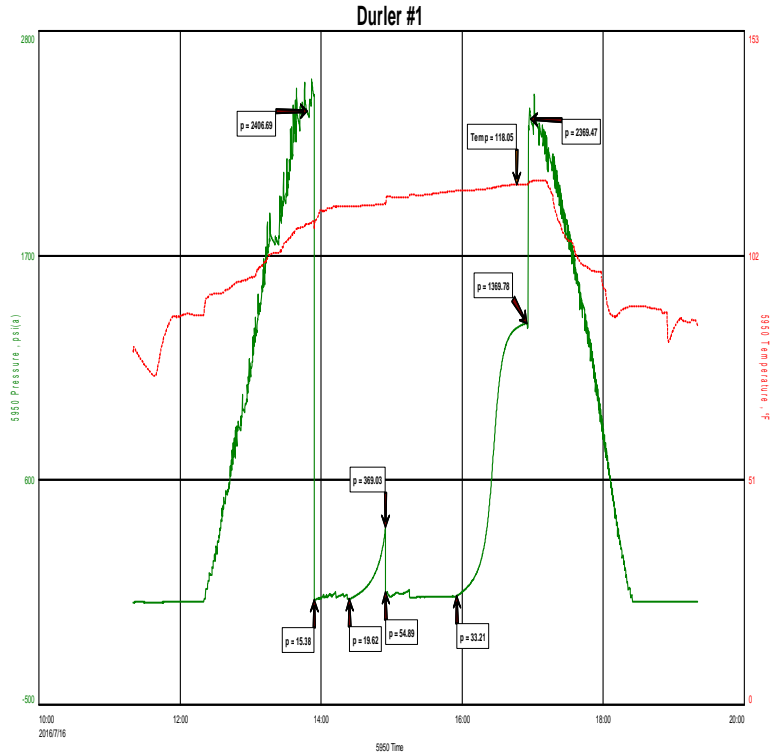
Michael Carroll
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General Information

Company Name H&D Exploration LLC

Contact	Mitch Driscoll
Well Name	Durler #1
Unique Well ID	Dst #2 Miss 4764-4780'
Surface Location	Sec 32-24s-22w Hodgeman County
Field	F.A.R. SouthEast
Well Type	Vertical
Test Type	Drill Stem Test
Well Operator	H&D Exploration LLC

Formation	Dst #2 Miss 4764-4780'
Well Fluid Type	01 Oil
Test Purpose	Initial Test
Start Test Date	2016/07/16
Start Test Time	11:20:00
Final Test Time	19:20:00
Job Number	P0113
Report Date	2016/07/16
Prepared By	Michael Carroll



TEST RECOVERY

Remarks	Recovery:	210'	Gas In Pipe				
		45'	GCWCOM	3%G	34%O	15%W	48%M

Total Fluid: 45'

Chlorides 8500PPM
RW 1 @ 65 Degrees
PH 7



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: DURLER#1DST#2

TIME ON: 1120
TIME OFF: 1920

Company H&D EXPLORATION LLC Lease & Well No. DURLER #1
Contractor SOUTHWIND DRLG RIG 8 Charge to H&D EXPLORATION LLC
Elevation 2420 Formation MISS Effective Pay _____ Ft. Ticket No. P0113
Date 7-16-16 Sec. 32 Twp. 24 S Range 22 W County HODGEMAN State KANSAS
Test Approved By JIM MUSGROVE Diamond Representative Michael Carroll

Formation Test No. 2 Interval Tested from 4764 ft. to 4780 ft. Total Depth 4780 ft.
Packer Depth 4759 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4764 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4749 ft. Recorder Number 5950 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 4765 ft. Recorder Number 0230 Cap. 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 50 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.4 Water Loss 12 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 8000 P.P.M. Drill Pipe Length 4731 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 11 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 16 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB-BUILT TO 1 1/2" IN 30 MINUTES NOBB
2nd Open: 1"BLOW-BUILT TO 8" IN 60 MINUTES NOBB

Recovered 210 ft. of GAS IN PIPE CHLORIDES 8500 PPM
Recovered 45 ft. of GCWCOM 3%G 34%O 15%W 48%M RW 1 @ 65 DEGREES
Recovered 45 ft. of TOTAL FLUID PH 7

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: _____	
TOOL SAMPLE: <u>70%O 15%W 15%M</u>	Total

Time Set Packer(s) 1:55 P.M. A.M. P.M. Time Started Off Bottom 4:55 P.M. A.M. P.M. Maximum Temperature 118

Initial Hydrostatic Pressure..... (A) 2407 P.S.I.
Initial Flow Period..... Minutes 30 (B) 15 P.S.I. to (C) 20 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 369 P.S.I.
Final Flow Period..... Minutes 60 (E) 55 P.S.I. to (F) 33 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1370 P.S.I.
Final Hydrostatic Pressure..... (H) 2369 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Durler #1

