

DRILL STEM TEST REPORT

OXY USA.

Box 2528
Liberal, KS 67905

ATTN: Cal Wylie

Atkins #M-2

15-081-21366
17-27S-33W HaskellKS

Job Ticket: 12272

DST#: 1

Test Start: 2001.01.12 @ 01:30:00

GENERAL INFORMATION:

Formation: Lower Morrow

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:52:04

Time Test Ended: 06:53:00

Interval: 5131.00 ft (KB) To 5142.00 ft (KB) (TVD)

Total Depth: 5161.00 ft (KB)

Hole Diameter: 7.78 inches Hole Condition: Poor

Test Type: Conventional Straddle

Tester: Mike Colantonio

Unit No: 20

Reference Elevations: 2953.00 ft (KB)

2941.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 3027 Inside

Press@RunDepth: 42.72 psig @ 5137.00 ft (KB)

Start Date: 2001.01.12

End Date:

2001.01.12

Start Time: 01:25:51

End Time:

09:14:49

Capacity: 7000.00 psig

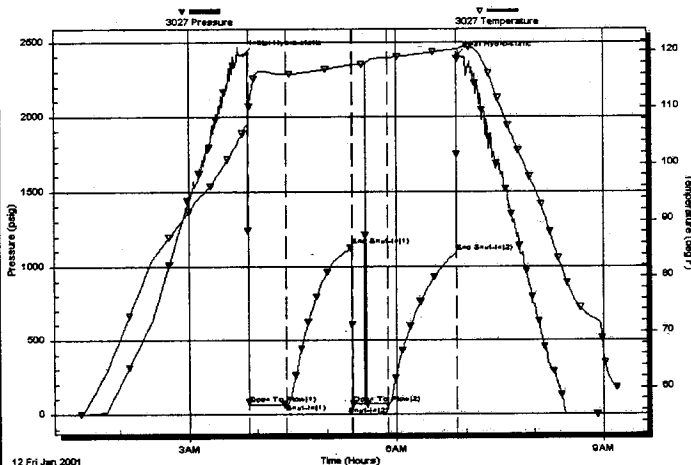
Last Calib.: 2001.01.12

Time On Btm: 2001.01.12 @ 03:48:19

Time Off Btm: 2001.01.12 @ 06:52:04

TEST COMMENT: Sampler data 4000ml Mud 4000ml Total Volume 1100PSI. 1st. opening weak surface blow built to 2.5" died off to 1" blow
2nd opening No blow
Had 5ft fill slid after open tool

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
143	2414.95	105.94	Initial Hydro-static
147	62.09	107.77	Open To Flow (1)
179	67.40	115.94	Shut-In(1)
236	1133.93	117.59	End Shut-In(1)
237	67.70	117.65	Open To Flow (2)
267	42.72	118.89	Shut-In(2)
326	1092.07	120.39	End Shut-In(2)
327	2402.01	120.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
95.00	100% Drig. Mud	0.58

Gas Rates

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