

DRILL STEM TEST REPORT

Prepared For: **Wiepking & Fullerton**

4600 S Sowning St
Englewood CO 80113

ATTN: Gregg Smith

S20-10-55 Lincoln, CO

Bubba State 2

Start Date: 2010.12.28 @ 03:20:00

End Date: 2010.12.28 @ 15:27:30

Job Ticket #: 040573 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Wiepking & Fullerton

Bubba State 2

S20-10-55 Lincoln, CO

DST # 1

Pawnee 'A'

2010.12.28



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Wiepking & Fullerton

4600 S Downing St
Englewood CO 80113

ATTN: Gregg Smith

Bubba State 2

S20-10-55 Lincoln, CO

Job Ticket: 040573

DST#: 1

Test Start: 2010.12.28 @ 03:20:00

GENERAL INFORMATION:

Formation: Pawnee 'A'

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:31:10

Time Test Ended: 15:27:30

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: 6980.00 ft (KB) To 7000.00 ft (KB) (TVD)

Total Depth: 7000.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 5207.00 ft (KB)

5194.00 ft (CF)

KB to GRVCF: 13.00 ft

Serial #: 8018

Inside

Press@RunDepth: 143.44 psig @ 6982.00 ft (KB)

Start Date: 2010.12.28

End Date: 2010.12.28

Start Time: 03:20:05

End Time: 15:27:30

Capacity: 8000.00 psig

Last Calib.: 2010.12.28

Time On Btm: 2010.12.28 @ 07:28:00

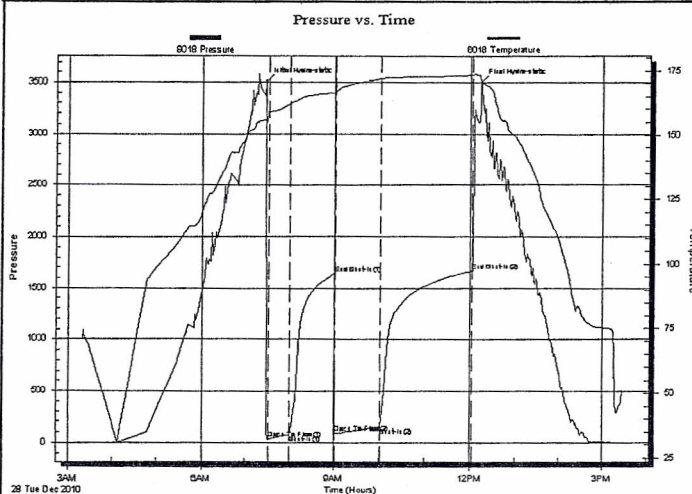
Time Off Btm: 2010.12.28 @ 12:14:30

TEST COMMENT: IF: B.O.B. @ 1 min.

IS: No return.

FF: B.O.B. @ 4 min.

FS: 7" Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3510.15	156.21	Initial Hydro-static
4	36.42	159.04	Open To Flow (1)
33	75.34	162.08	Shut-In(1)
93	1642.27	166.55	End Shut-In(1)
94	87.18	166.82	Open To Flow (2)
153	143.44	171.86	Shut-In(2)
275	1666.16	173.34	End Shut-In(2)
287	3498.57	169.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	4070 Feet GIP	0.00
90.00	GMCW 10g 30m 60w	0.44
90.00	GWCM 40g 2w 58m	0.44
90.00	GOCM 10g 50 85m	0.44
10.00	GSOCM 3g 2o 95m	0.05

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Wiepking & Fullerton

Bubba State 2

4600 S Downing St
Englewood CO 80113

S20-10-55 Lincoln, CO

Job Ticket: 040573

DST#: 1

ATTN: Gregg Smith

Test Start: 2010.12.28 @ 03:20:00

Tool Information

Drill Pipe:	Length: 6432.00 ft	Diameter: 3.80 inches	Volume: 90.22 bbl	Tool Weight:	2500.00 lb		
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	2500.00 lb		
Drill Collar:	Length: 544.00 ft	Diameter: 2.25 inches	Volume: 2.68 bbl	Weight to Pull Loose:	115000.0 lb		
			Total Volume:	92.90 bbl	Tool Chased	0.00 ft	
Drill Pipe Above KB:	25.50 ft			String Weight: Initial	94000.00 lb	Final	100000.0 lb
Depth to Top Packer:	6980.00 ft						
Depth to Bottom Packer:	ft						
Interval between Packers:	20.00 ft						
Tool Length:	49.50 ft						
Number of Packers:	2	Diameter:	6.75 inches				
Tool Comments:							

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			6951.50		
Shut In Tool	5.00			6956.50		
Sampler	2.00			6958.50		
Hydraulic tool	5.00			6963.50		
Jars	5.00			6968.50		
Safety Joint	2.50			6971.00		
Packer	5.00			6976.00	29.50	Bottom Of Top Packer
Packer	4.00			6980.00		
Stubb	1.00			6981.00		
Perforations	1.00			6982.00		
Recorder	0.00	8018	Inside	6982.00		
Recorder	0.00	6751	Outside	6982.00		
Perforations	15.00			6997.00		
Bullnose	3.00			7000.00	20.00	Bottom Packers & Anchor

Total Tool Length: 49.50



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Wiepking & Fullerton

Bubba State 2

4600 S Downing St
Englewood CO 80113

S20-10-55 Lincoln, CO

Job Ticket: 040573

DST#: 1

ATTN: Gregg Smith

Test Start: 2010.12.28 @ 03:20:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

60000 ppm

Viscosity: 67.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	4070 Feet GIP	0.000
90.00	GMCW 10g 30m 60w	0.443
90.00	GWCM 40g 2w 58m	0.443
90.00	GOCM 10g 50 85m	0.443
10.00	GSOCM 3g 2o 95m	0.049

Total Length: 280.00 ft

Total Volume: 1.378 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .155 @ 52F = 60000 ppm chlorides = sampler data 500psi - 2000ml

