

6-19s-20w

IND



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market Ste 300
Wichita KS 67202

15-165-21824-0000

ATTN: Flip Phillips

6 19S 20W Rush KS

Bromlow 'JJ' # 1-6

Start Date: 2008.07.17 @ 19:51:23

End Date: 2008.07.18 @ 01:54:23

Job Ticket #: 32425

DST #: 1 KCO WICHITA

RECEIVED

SEP 17 2008

RECEIVED

SEP 17 2008

KCO WICHITA

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Pintail Petroleum

Bromlow 'JJ' # 1-6

6 19S 20W Rush KS

DST # 1

Cher Snd

2008.07.17

Section is 6, not 8 as printed



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225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Bromlow ' JJ ' # 1-6

6 § 19S 20W Rush KS

Job Ticket: 32425

DST#: 1

Test Start: 2008.07.17 @ 19:51:23

GENERAL INFORMATION:

Formation: **Cher Snd**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:49:23

Time Test Ended: 01:54:23

Test Type: Conventional Bottom Hole

Tester: Kyle Kinderknecht

Unit No: 31

Interval: **4190.00 ft (KB) To 4244.00 ft (KB) (TVD)**

Total Depth: 4244.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2205.00 ft (KB)

2200.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6669

Inside

Press@RunDepth: 145.20 psig @ 4193.00 ft (KB)

Start Date: 2008.07.17

End Date:

2008.07.18

Capacity: 7000.00 psig

Last Calib.: 2008.07.18

Start Time: 19:51:28

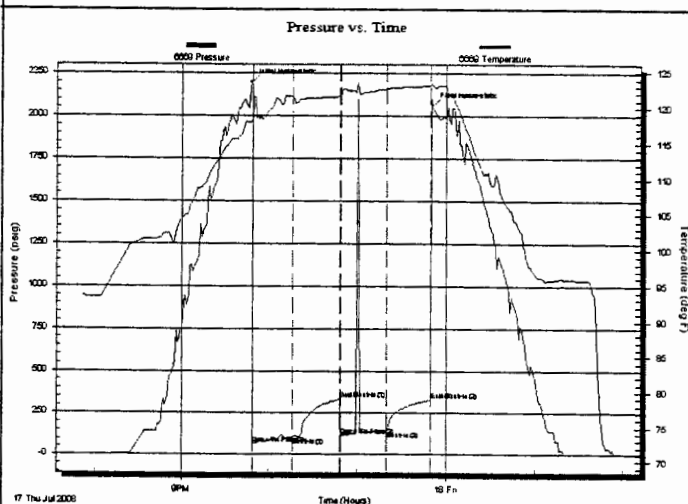
End Time:

01:54:22

Time On Btm: 2008.07.17 @ 21:48:23

Time Off Btm: 2008.07.17 @ 23:50:53

TEST COMMENT: IF Building blow to 3" died to 2 1/4" flushed tool died back to 1 1/4"
FF 1/4" flushed tool 3 X surface blow died 5 min after



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2196.37	118.28	Initial Hydro-static
1	63.52	117.96	Open To Flow (1)
29	103.33	121.63	Shut-In(1)
61	333.50	121.59	End Shut-In(1)
61	116.65	121.29	Open To Flow (2)
92	145.20	122.62	Shut-In(2)
121	327.22	123.09	End Shut-In(2)
123	2060.47	123.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	Mud	0.98

Gas Rates

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

Pintail Petroleum

Bromlow ' JJ ' # 1-6

225 N Market Ste 300
Wichita KS 67202

6 8 19S 20W Rush KS

Job Ticket: 32425

DST#:1

ATTN: Flip Phillips

Test Start: 2008.07.17 @ 19:51:23

Tool Information

Drill Pipe:	Length: 3924.00 ft	Diameter: 3.82 inches	Volume: 55.62 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:	25000.00 lb
Drill Collar:	Length: 245.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	56.82 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	56000.00 lb
Depth to Top Packer:	4190.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	54.00 ft				
Tool Length:	82.00 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			4163.00	
Shut In Tool	5.00			4168.00	
Hydraulic tool	5.00			4173.00	
Jars	5.00			4178.00	
Safety Joint	3.00			4181.00	
Packer	4.00			4185.00	28.00 Bottom Of Top Packer
Packer	5.00			4190.00	
Stubb	1.00			4191.00	
Perforations	2.00			4193.00	
Recorder	0.00	8369	Inside	4193.00	
Recorder	0.00	6669	Inside	4193.00	
Change Over Sub	1.00			4194.00	
Blank Spacing	31.00			4225.00	
Change Over Sub	1.00			4226.00	
Perforations	15.00			4241.00	
Bullnose	3.00			4244.00	54.00 Bottom Packers & Anchor
Total Tool Length:		82.00			



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FLUID SUMMARY

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6 8 19S 20W Rush KS

Job Ticket: 32425

DST#: 1

ATTN: Flip Phillips

Test Start: 2008.07.17 @ 19:51:23

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	Mud	0.984

Total Length: 200.00 ft

Total Volume: 0.984 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

