

DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil**

PO Box 641
Hays KS 67601

ATTN: Kenny Vehige

31-9s-19w Rooks

Pywell #2 KGS-DRL

Start Date: 2005.08.01 @ 21:03:53

End Date: 2005.08.02 @ 04:48:08

Job Ticket #: 23528 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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TESTING, INC.

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Black Diamond Oil

Pywell

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Test Start: 2005.08.01 @ 21:03:53

GENERAL INFORMATION:

Formation: Cong.

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:51:53

Time Test Ended: 04:48:08

Test Type: Conventional Bottom Hole

Tester: Michael

Unit No: 15

Interval: 3690.00 ft (KB) To 3799.00 ft (KB) (TVD)

Total Depth: 3799.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2232.00 ft (KB)

2225.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8166

Inside

Press@RunDepth: 30.05 psig @ 3697.00 ft (KB)

Start Date: 2005.08.01

End Date:

2005.08.02

Start Time: 21:03:54

End Time:

04:48:08

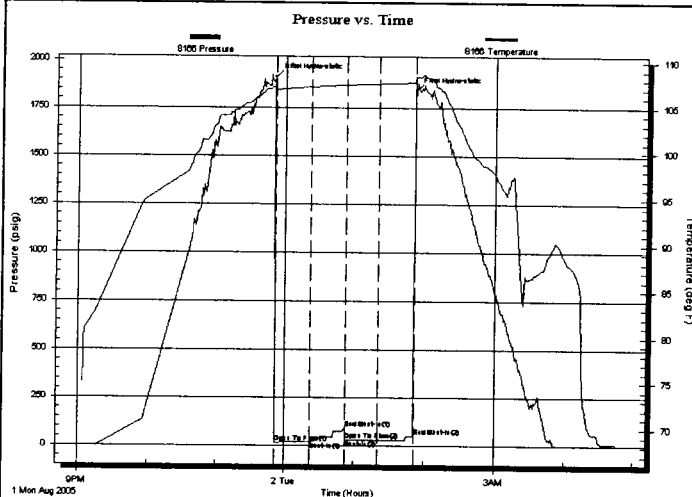
Capacity: 7000.00 psig

Last Calib.: 2005.08.02

Time On Btm: 2005.08.01 @ 23:51:23

Time Off Btm: 2005.08.02 @ 01:51:23

TEST COMMENT: F-1/2" Blow That Died In 20m
IS- No blow
FF- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1912.02	107.40	Initial Hydro-static
1	16.14	106.92	Open To Flow (1)
31	18.61	107.30	Shut-In(1)
61	88.54	107.52	End Shut-In(1)
62	30.47	107.52	Open To Flow (2)
89	30.05	107.65	Shut-In(2)
120	47.75	107.80	End Shut-In(2)
120	1842.64	108.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling mud	0.07

Gas Rates

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

Black Diamond Oil

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31-9s-19w Rooks

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DST#: 1

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Test Start: 2005.08.01 @ 21:03:53

Tool Information

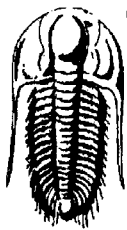
Drill Pipe:	Length: 3685.00 ft	Diameter: 3.80 inches	Volume: 51.69 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	34000.00 lb
		Total Volume:	51.69 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	32000.00 lb
Depth to Top Packer:	3690.00 ft			Final	32000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	109.00 ft				
Tool Length:	130.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3670.00	
Shut In Tool	5.00			3675.00	
Hydraulic tool	5.00			3680.00	
Packer	5.00			3685.00	21.00 Bottom Of Top Packer
Packer	5.00			3690.00	
Blank Spacing	1.00			3691.00	
Perforations	5.00			3696.00	
Change Over Sub	1.00			3697.00	
Recorder	0.00	8166	Inside	3697.00	
Drill Pipe	93.00			3790.00	
Change Over Sub	1.00			3791.00	
Recorder	0.00	10991	Outside	3791.00	
Perforations	5.00			3796.00	
Bullnose	3.00			3799.00	109.00 Bottom Packers & Anchor

Total Tool Length: 130.00



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FLUID SUMMARY

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DST#: 1

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Test Start: 2005.08.01 @ 21:03:53

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling mud	0.070

Total Length: 5.00 ft

Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

31-9s-19w Rooks

Inside Black Diamond Oil

Serial #: 8166

Pressure vs. Time

