

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 7076

Name: Black Diamond Oil, Inc.

Address 1: P.O. Box 641

Address 2: _____

City: Hays State: KS Zip: 67601 + _____

Contact Person: Kenneth Vehige

Phone: (785) 625-5891

CONTRACTOR: License # 33575

Name: WW Drilling

Wellsite Geologist: Tony Richardson

Purchaser: Coffeyville Resources

Designate Type of Completion:

- New Well _____ Re-Entry _____ Workover
 - Oil _____ SWD _____ SLOW
 - _____ Gas _____ ENHR _____ SIGW
 - _____ CM (Coal Bed Methane) _____ Temp. Abd.
 - _____ Dry _____ Other _____
- (Core, WSW, Expl., Cathodic, etc.)*

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

_____ Deepening _____ Re-perf. _____ Conv. to Enhr. _____ Conv. to SWD

_____ Plug Back: _____ Plug Back Total Depth

_____ Commingled Docket No.: _____

_____ Dual Completion Docket No.: _____

_____ Other (SWD or Enhr.?) Docket No.: _____

2/20/2010 2/26/2010 3/9/2010

Spud Date or Date Reached TD Completion Date or

Recompletion Date Recompletion Date

API No. 15 - 065-23619-00-00

Spot Description: _____

W/2 SW SE SW Sec. 18 Twp. 7 S. R. 21 East West

330 Feet from North / South Line of Section

1530 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

County: Graham

Lease Name: Smith Well #: 1

Field Name: Wildcat

Producing Formation: Arbuckle

Elevation: Ground: 2125 Kelly Bushing: 2130

Total Depth: 3695 Plug Back Total Depth: 3677

Amount of Surface Pipe Set and Cemented at: 218 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: 3694

feet depth to: Surface w/ 440 sx cmt.

Drilling Fluid Management Plan AH II NUR 5-12-10
(Data must be collected from the Reserve Pit)

Chloride content: 2000 ppm Fluid volume: 500 bbls

Dewatering method used: Hauled free fluid, air dry

Location of fluid disposal if hauled offsite:

Operator Name: Black Diamond Oil

Lease Name: Stehno License No.: 7076

Quarter SE Sec. 25 Twp. 7 S. R. 22 East West

County: Graham Docket No.: D-30,014

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: [Signature]

Title: Pres Date: 5/3/10

Subscribed and sworn to before me this 3rd day of May

20 10

Notary Public: [Signature]

Date Commission Expires: 5/21/2011

NOTARY PUBLIC
MELISSA L. WINDHOLZ
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 5/21/2011

KCC Office Use ONLY

N Letter of Confidentiality Received

If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

_____ UIC Distribution

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KANSAS CORPORATION COMMISSION
MAY 10 2010
CONSERVATION DIVISION
WICHITA, KS

Operator Name: Black Diamond Oil, Inc. Lease Name: Smith Well #: 1
 Sec. 18 Twp. 7 S. R. 21 East West County: Graham

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Radiation Guard, Micro & Correlation	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1735</td> <td>+395</td> </tr> <tr> <td>Topeka</td> <td>3111</td> <td>-981</td> </tr> <tr> <td>Heebner</td> <td>3316</td> <td>-1186</td> </tr> <tr> <td>Lansing KC</td> <td>3351</td> <td>-1221</td> </tr> <tr> <td>Arbuckle</td> <td>3649</td> <td>1519</td> </tr> </table>	Name	Top	Datum	Anhydrite	1735	+395	Topeka	3111	-981	Heebner	3316	-1186	Lansing KC	3351	-1221	Arbuckle	3649	1519
Name	Top	Datum																	
Anhydrite	1735	+395																	
Topeka	3111	-981																	
Heebner	3316	-1186																	
Lansing KC	3351	-1221																	
Arbuckle	3649	1519																	

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4	8 5/8	23 #	218	Common	150	3% CC 2 % Gel
Production	7 7/8	5 1/2	14 #	3694	SMD	440	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3658-64	500 gals 15% MCA	

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CONSERVATION DIVISION
WICHITA, KS

TUBING RECORD: Size: <u>2 7/8</u> Set At: <u>3670</u> Packer At: <u>None</u>		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>3-30-2010</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls. <u>20</u>	Gas Mcf <u>0</u>	Water Bbls. <u>2</u> Gas-Oil Ratio Gravity <u>26</u>

DISPOSITION OF GAS: <input checked="" type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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BLACK DIAMOND OIL, INC

PO Box 641
Hays, KS 67601
(785) 625-5891

**Smith #1
Completion Report
Sec 18-7-21
Graham Co., KS**

- 03/04/2010** – Move in rig up, swab 5 ½ casing down to 3200’.
- 03/05/2010** – Ran correlation log and perf 3658-64 (4 holes per foot). Ran 2 7/8 tubing with packer, spot 500 gals 15% MCA and treat @ ½ bbl/min max pressure 400#. Swab down with good SO. Release packer & SDFN.
- 03/08/2010** – 1400’ fluid (approx 35 bbls) 95% oil; make 2-15 min tests each 3 bbls 100% oil pull packer, ran tubing with perforated mud anchor. SDFN.
- 03/09/2010** – Ran ¾ rods with 2 ½ x 1 ½ x 12’ insert pump. Rig down and move off.

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CONSERVATION DIVISION
WICHITA, KS

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3739

Date	2-20-10	Sec.	18	Twp.	7	Range	21	County	Gravett	State	Kansas	On Location		Finish	6:45 PM
Lease	Smith	Well No.	1	Location R 18 7 Hwy 24 2nd 4th Ends											
Contractor	WLD Drilling	Rig	8	Owner											
Type Job	Surface	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.													
Hole Size	12 1/4	T.D.	218	Charge To											
Csg.	8 1/2 23lb	Depth	218	Black Diamond Oil, Inc.											
Tbg. Size		Depth		Street											
Tool		Depth		City											
Cement Left in Csg.	10-15'	Shoe Joint		State											
Meas Line		Displace	13 Bbl	The above was done to satisfaction and supervision of owner agent or contractor.											

EQUIPMENT

Pumptrk	1	No.	Cementer	
			Helper	Steve
Bulktrk	8	No.	Driver	Brandon
			Driver	
Bulktrk		No.	Driver	Wade
			Driver	

Amount Ordered	150 Com 3000 2000
Common	
Poz. Mix	
Gel.	

JOB SERVICES & REMARKS

Remarks: Cement did Circulate

CEMENT	
Calcium	
Hulls	
Salt	
Flowseal	

Handling	
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	

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MAY 10 2010

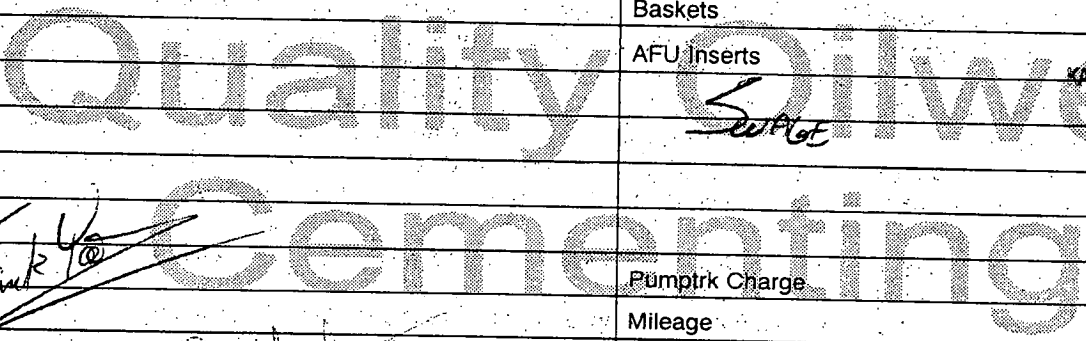
CONSERVATION DIVISION
WICHITA, KS

Pumptrk Charge	
Mileage	

Tax	
Discount	
Total Charge	

X Signature *[Signature]*

Thank You



API # 15-065-23619-00-00

Operator: Black Diamond Oil, Inc.

Well Name & No: Smith # 1

Location: 330' FSL & 1530' FWL, Section 18-7e-21w

County: Graham

State: Kansas

Rig No.: 8 Contractor: WW Drilling, LLC

Tool Pusher: Sid Deutscher - 785-259-2382

Drill Collars: 14 Size: 6 1/8 x 2 1/4

Rig Phone: 785-259-0816

Make Pump: National K-380

Liner & Stroke: 6 x 14

Spud 2/20/10 @ 2:00 pm

Approx. TD: 3700 Elevation: 2125

G.L.: 2130

KB Hole Complete: 2/25/10 @ 3:15PM.

Mud Co.: Andy's Mud

Mud Engineer: Kirk Werth

Water Creek-permitted

Date	02/20/10	02/21/10	02/22/10	02/23/10	02/24/10	02/25/10	02/26/10	02/27/10		
Days	1-spud	2-drig	3-drig	4-drig	5-dst#2	6-dst#4	7-dst#5	8-done		
Depth		564	2290	3360	3433	3660	3695			
Ft. Cut		564	1726	1070	73	227	35			
D.T.										
D.T.		8-woc	2-bt							
C.T.					20.75	15.25	22.75	11		
Bit Wt.		25,000	30,000	35,000	35,000	35,000	35,000			
RPM		90	90	85	85	85	85			
Pressure		450	800	900	900	900	900			
SPM		60	60	60	60	60	60			
Mud Cost					5499	5499	6151			
Mud Wt.		8.8	9.1	8.7	9.1	9.2	9.2			
Viscosity		28	28	58	57	58	60			
Water Loss					7.6	8	7.8			
Chlorides					1000	1200	2,000			
L.C.M.				1#	3/4#	2#	3#			
Dev. Sur		1/2°-218'			3397-3/4°		3695-1°			
Dev. Sur										
Fuel	1954	1832	1469	3080	2854	2620	2441	2380		
Water-Pit	full	3'	3'	Full	Full	Full	Full			
ACC Bit Hrs.		3.75	24.5	47.25	55.5	65.25	66.5			
Formation	sd-sh	sd-sh	sd-sh	sh-lm	sh-lm	sh-lm	sh-lm			
Weather	cloudy	snow	snow	clear	clear	clear	Partly Cloudy			

No.	Size	Type	Out	Ft.	Hrs.	Cum Hrs.	Bit Cond	Serial #	Tops
1	12 1/4	Smith	218	218	3	3	RR	MJ 7782	
2	7 7/8	Sm - F-27		3477	66.5	69.5	New	PP 2078	
3									
4									

DEPTH	SIZE	SACKS	CEMENT MATERIAL	PLUG DOWN	DRILLED OUT	REMARKS
217	8 5/8	150	Common, 3% cc, 2% gel	6:45 PM	2:45 AM	Quality - did circulate
3694	5 12	470	SMD	4:00PM	2/26/2010	Swift - Did circulate

NO	INTERVAL	OPEN	SHUT	OPEN	SHUT	RECOVERY
1	3374-3397		45	45	45	300' MCW
2	3410-3433		30	45	30	3'CO, 492MCW
3	3597-3660					Packer Failure
4	3548-3660		60	60	60	15'CO, 62'GMCO, 63'GOCM
5	3658-3676		45	45	45	434'GIP, 124'GO, 61'GMCO.
6						
7						
8						
9						

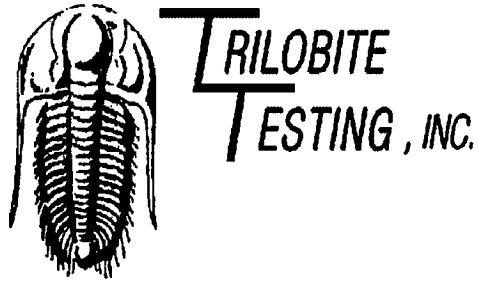
Surface Casing Furnished by: Midwest Pipe: 5 joints 8 5/8, 23 #, tally 210.10'

Remarks: Spud @ 2:00 pm, surface strapped & welded, anhydrite 1737-1766, Displaced @3058 (640bbs.), short trip 3397 (27 stds), strap 1.62 short, 2/25/10 RTD 3695 Reached @ 3:15 PM. Logged By Superior, LTD 3695. logged from 5:45-9:00PM. Ran 5 1/2 Set @ 3694. Plug Down @ 4:00PM. Rig Released @ 6:00PM.

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CONSERVATION DIVISION
WICHITA, KS



DRILL STEM TEST REPORT

Prepared For: **Black Diamond Inc.**

PO Box 641
Hays KS 67601

ATTN: Tony Richardson

18 7 21 Graham KS

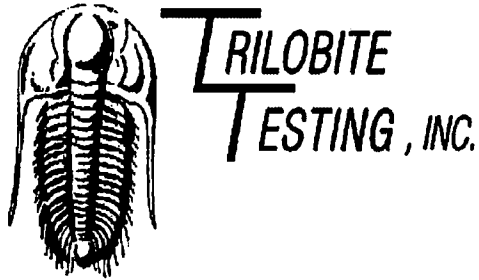
Smith #1

Start Date: 2010.02.23 @ 15:40:00

End Date: 2010.02.23 @ 22:00:30

Job Ticket #: 37279 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



DRILL STEM TEST REPORT

Prepared For: **Black Diamond Inc.**

PO Box 641
Hays KS 67601

ATTN: Tony Richardson

18 7 21 Graham KS

Smith #1

Start Date: 2010.02.24 @ 05:00:00

End Date: 2010.02.24 @ 10:49:00

Job Ticket #: 37280 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Black Diamond Inc.

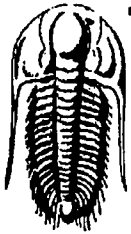
Smith #1

18 7 21 Graham KS

DST # 2

LKC-E-F

2010.02.24



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Black Diamond Inc.

Smith #1

PO Box 641
Hays KS 67601

18 7 21 Graham KS

Job Ticket: 37280

DST#: 2

ATTN: Tony Richardson

Test Start: 2010.02.24 @ 05:00:00

GENERAL INFORMATION:

Formation: LKC-E-F

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:46:30

Time Test Ended: 10:49:00

Test Type: Conventional Bottom Hole

Tester: Chuck Kreutzer

Unit No: 36

Interval: 3410.00 ft (KB) To 3433.00 ft (KB) (TVD)

Reference Elevations: 2135.00 ft (KB)

Total Depth: 3433.00 ft (KB) (TVD)

2131.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 4.00 ft

Serial #: 6752

Inside

Press@RunDepth: 222.59 psig @ 3411.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.02.24

End Date:

2010.02.24

Last Calib.:

2010.02.24

Start Time: 05:00:05

End Time:

10:48:59

Time On Btm:

2010.02.24 @ 06:44:30

Time Off Btm:

2010.02.24 @ 09:14:30

TEST COMMENT:

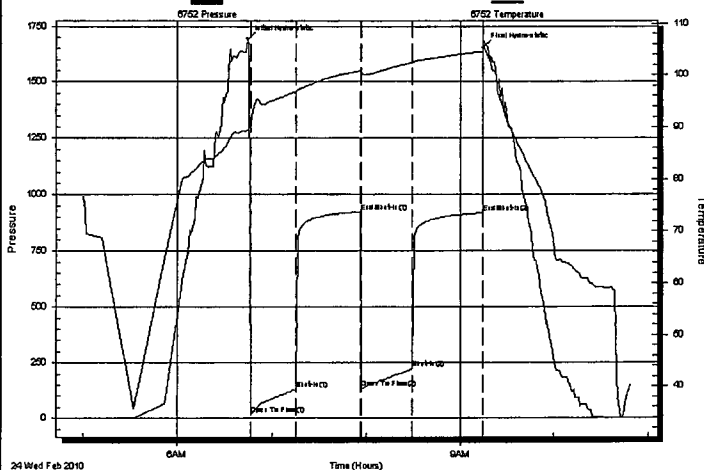
IF: Strong blow, built to B.O.B in 6 mins.

IS: No blow back over 45 mins.

FF: Strong blow B.O.B in 8 mins.

FS: Weak surface blow after 30 mins. Never built passed surface.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1691.40	89.37	Initial Hydro-static
2	19.30	90.70	Open To Flow (1)
31	131.83	96.86	Shut-In(1)
72	922.70	100.83	End Shut-In(1)
73	136.48	100.49	Open To Flow (2)
105	222.59	102.38	Shut-In(2)
150	917.69	104.54	End Shut-In(2)
150	1655.16	106.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
492.00	mcw -5% m95%w	5.78
3.00	oil	0.04

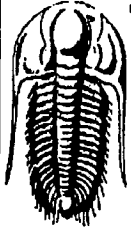
Gas Rates

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

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CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Black Diamond Inc.

Smith #1

PO Box 641
Hays KS 67601

18 7 21 Graham KS

Job Ticket: 37281

DST#: 3

ATTN: Tony Richardson

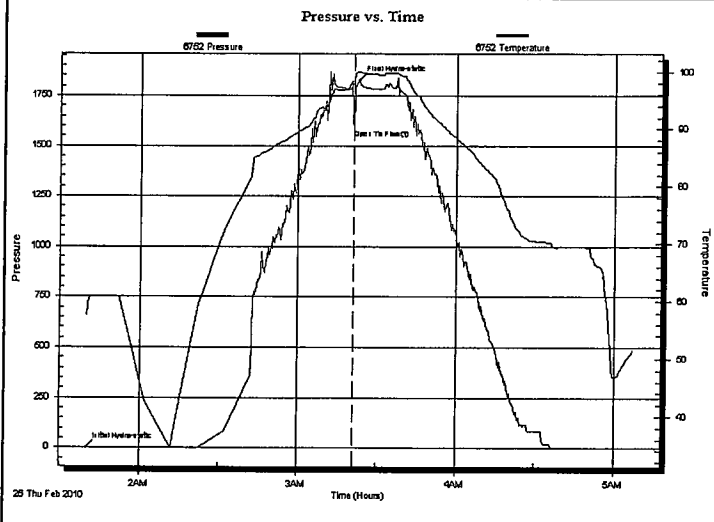
Test Start: 2010.02.25 @ 01:40:00

GENERAL INFORMATION:

Formation: **Cong.-Arb.**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 03:21:00
 Time Test Ended: 05:07:30
 Interval: **3598.00 ft (KB) To 3660.00 ft (KB) (TVD)**
 Total Depth: **3660.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole**
 Tester: **Chuck Kreutzer**
 Unit No: **36**
 Reference Elevations: **2135.00 ft (KB)**
2131.00 ft (CF)
 KB to GR/CF: **4.00 ft**

Serial #: 6752 Inside
 Press@RunDepth: psig @ 3605.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.02.25 End Date: 2010.02.25 Last Calib.: 2010.02.25
 Start Time: 01:40:05 End Time: 05:07:30 Time On Btm: 2010.02.25 @ 01:40:05
 Time Off Btm: 2010.02.25 @ 03:23:00

TEST COMMENT: MS-RUN

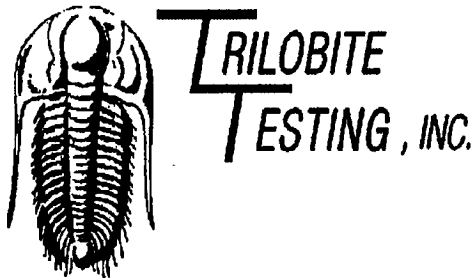


PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	-1.24	57.60	Initial Hydro-static
101	1535.29	98.04	Open To Flow (1)
103	1826.15	99.95	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)

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

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 MAY 10 2010
 CONSERVATION DIVISION
 WICHITA, KS



DRILL STEM TEST REPORT

Prepared For: **Black Diamond Inc.**

PO Box 641
Hays KS 67601

ATTN: Tony Richardson

18 7 21 Graham KS

Smith #1

Start Date: 2010.02.25 @ 01:40:00

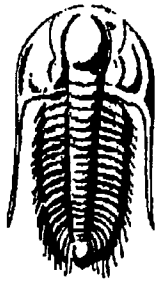
End Date: 2010.02.25 @ 05:07:30

Job Ticket #: 37281 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Black Diamond Inc.**

PO Box 641
Hays KS 67601

ATTN: Tony Richardson

18 7 21 Graham KS

Smith #1

Start Date: 2010.02.25 @ 05:30:00

End Date: 2010.02.25 @ 12:39:00

Job Ticket #: 37281 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Black Diamond Inc.

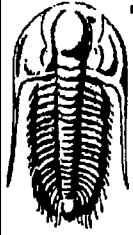
Smith #1

18 7 21 Graham KS

DST # 4

Cong.-Arb.

2010.02.25



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Black Diamond Inc.

Smith #1

PO Box 641
Hays KS 67601

18 7 21 Graham KS

Job Ticket: 37281

DST#: 4

ATTN: Tony Richardson

Test Start: 2010.02.25 @ 05:30:00

GENERAL INFORMATION:

Formation: **Cong.-Arb.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:50:00

Time Test Ended: 12:39:00

Test Type: Conventional Bottom Hole

Tester: Chuck Kreutzer

Unit No: 36

Interval: **3548.00 ft (KB) To 3660.00 ft (KB) (TVD)**

Total Depth: 3660.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2135.00 ft (KB)

2131.00 ft (CF)

KB to GR/CF: 4.00 ft

Serial #: **6672** Inside

Press@RunDepth: 76.19 psig @ 3555.00 ft (KB)

Start Date: 2010.02.25 End Date: 2010.02.25

Start Time: 05:30:05 End Time: 12:38:59

Capacity: 8000.00 psig

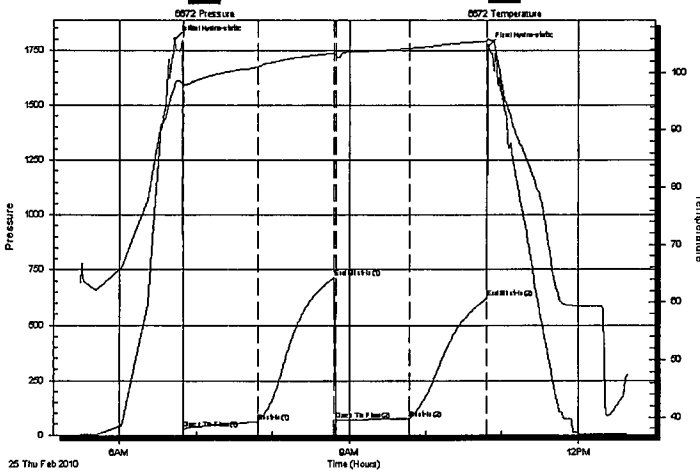
Last Calib.: 2010.02.25

Time On Btm: 2010.02.25 @ 06:43:30

Time Off Btm: 2010.02.25 @ 10:49:30

TEST COMMENT: IF: Weak surface blow, built to 4 in. over 60 mins.
 IS: No blow back over 60 mins.
 FF: Weak blow built to 1 1/2 in. over 60 mins.
 FS: No blow back over 60 mins.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1799.19	97.99	Initial Hydro-static
7	28.52	97.66	Open To Flow (1)
65	63.55	101.04	Shut-In(1)
125	714.85	103.38	End Shut-In(1)
126	68.65	102.98	Open To Flow (2)
184	76.19	104.26	Shut-In(2)
245	621.81	105.48	End Shut-In(2)
246	1767.73	105.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	gocm-5%g20%o75%m	0.31
62.00	gmco-5%g10%m85%o	0.32
15.00	oil-100%	0.21

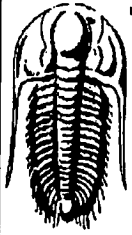
Gas Rates

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

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MAY 10 2010

CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Black Diamond Inc.

Smith #1

PO Box 641
Hays KS 67601

18 7 21 Graham KS

Job Ticket: 37283

DST#: 5

ATTN: Tony Richardson

Test Start: 2010.02.25 @ 22:15:00

GENERAL INFORMATION:

Formation: **Lower Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:56:00

Time Test Ended: 05:10:00

Test Type: Conventional Straddle

Tester: Chuck Kreutzer

Unit No: 36

Interval: **3658.00 ft (KB) To 3676.00 ft (KB) (TVD)**

Reference Elevations: 2135.00 ft (KB)

Total Depth: 3695.00 ft (KB) (TVD)

2131.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 4.00 ft

Serial #: 6672

Inside

Press@RunDepth: 70.42 psig @ 3659.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.02.25

End Date:

2010.02.26

Last Calib.: 2010.02.26

Start Time: 22:15:05

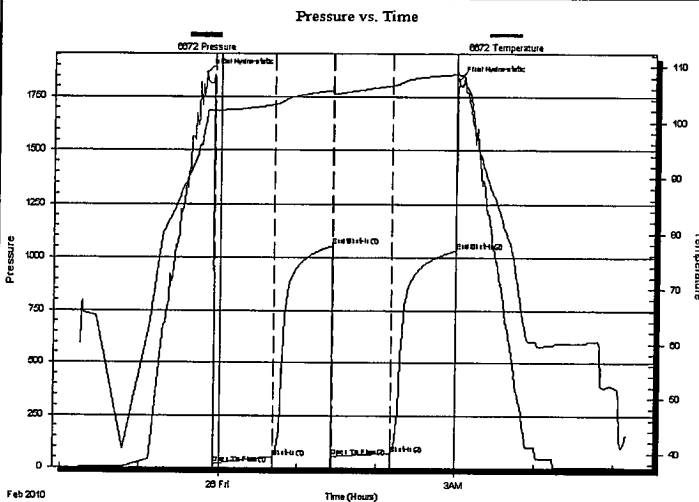
End Time:

05:09:59

Time On Btm: 2010.02.25 @ 23:49:30

Time Off Btm: 2010.02.26 @ 03:01:00

TEST COMMENT: IF: Weak blow, built to B.O.B in 42 mins.
 IS: Bled off, weak surface blow after 10 mins. Never built passed surface.
 FF: Weak blow, built to 2 1/2 in. over 45 mins.
 FSI: Bled off, weak surface bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1862.85	100.01	Initial Hydro-static
7	17.74	101.71	Open To Flow (1)
52	51.67	103.15	Shut-In(1)
96	1053.27	105.71	End Shut-In(1)
97	55.04	105.07	Open To Flow (2)
142	70.42	106.60	Shut-In(2)
191	1033.87	108.62	End Shut-In(2)
192	1831.48	108.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	gmco-5%g5%m90%o	0.30
124.00	go-10%g90%o	1.17
0.00	434 Ft. gas in pipe	0.00

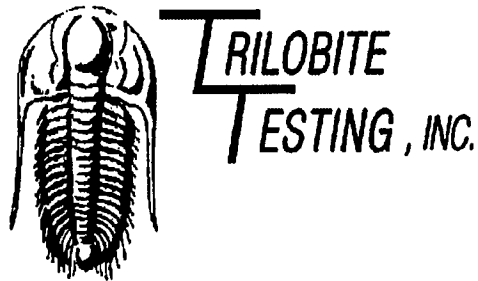
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DRILL STEM TEST REPORT

Prepared For: **Black Diamond Inc.**

PO Box 641
Hays KS 67601

ATTN: Tony Richardson

18 7 21 Graham KS

Smith #1

Start Date: 2010.02.25 @ 22:15:00

End Date: 2010.02.26 @ 05:10:00

Job Ticket #: 37283 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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