

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

Form ACO-1  
June 2009

Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

**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 # 31548  
Name: Discovery Drilling Co., Inc.  
Wellsite Geologist: Tony Richardson  
Purchaser: Coffeyville Resources

Designate Type of Completion:

New Well     Re-Entry     Workover

Oil     WSW     SWD     SIOW  
 Gas     D&A     ENHR     SIGW  
 OG     GSW     Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic     Other (Core, Expl., 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  
 Conv. to GSW

Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

11/9/2010	11/16/2010	12/21/2010
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 163-23,906-00-00

Spot Description: \_\_\_\_\_  
SE NW SW NW Sec. 31 Twp. 7 S. R. 20  East  West  
1,700 Feet from  North /  South Line of Section  
530 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW

County: Rooks  
Lease Name: Benoit "J" Well #: 1-31  
Field Name: Unnamed  
Producing Formation: Arbuckle  
Elevation: Ground: 2043 Kelly Bushing: 2051  
Total Depth: 3600 Plug Back Total Depth: 3564  
Amount of Surface Pipe Set and Cemented at: 222.87 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 1671 Feet  
If Alternate II completion, cement circulated from: 1671  
feet depth to: Surface w/ 160 sx cmt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)

Chloride content: 16,000 ppm Fluid volume: 160 bbls  
Dewatering method used: Hauled free fluid

Location of fluid disposal if hauled offsite:  
Operator Name: Black Diamond Oil, Inc.  
Lease Name: Vehige SWD License #: 7076  
Quarter SW Sec. 33 Twp. 7 S. R. 20  East  West  
County: Rooks Permit #: D-23315

**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.

**AFFIDAVIT**

I am the affiant and I hereby certify that 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: \_\_\_\_\_  
Title: Pres. Date: 4/26/2011

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Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Dg Date: 5/6/11

Operator Name: Black Diamond Oil, Inc. Lease Name: Benoit "J" Well #: 1-31  
 Sec. 31 Twp. 7 S. R. 20  East  West County: Rooks

**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 complete copy of all Electric Wire-line 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 type="checkbox"/> Yes <input checked="" 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Dual Induction, Neutron/Density, Micro</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Anhydrite</td> <td>1631</td> <td>+420</td> </tr> <tr> <td>Topeka</td> <td>3036</td> <td>-985</td> </tr> <tr> <td>Heebner</td> <td>3243</td> <td>-1192</td> </tr> <tr> <td>Lansing KC</td> <td>3282</td> <td>-1231</td> </tr> <tr> <td>Base KC</td> <td>3480</td> <td>-1429</td> </tr> <tr> <td>Arbuckle</td> <td>3525</td> <td>-1474</td> </tr> </tbody> </table>	Name	Top	Datum	Anhydrite	1631	+420	Topeka	3036	-985	Heebner	3243	-1192	Lansing KC	3282	-1231	Base KC	3480	-1429	Arbuckle	3525	-1474
Name	Top	Datum																				
Anhydrite	1631	+420																				
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Lansing KC	3282	-1231																				
Base KC	3480	-1429																				
Arbuckle	3525	-1474																				

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 Pipe	12 1/4	8 5/8	23	222.87	Common	150	2%Gel3%CC
Production St.	7 7/8	5 1/2	15.5	3599	EA/2	105	

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	3546-49	250 15% MCA & 750 Gel 20%	

TUBING RECORD: Size: <u>2 7/8</u> Set At: <u>3550</u> Packer At: <u>none</u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		RECEIVED APR 28 2011 KCC WICHITA			
Date of First, Resumed Production, SWD or ENHR: <u>1/4/2011</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>15</u>	Gas Mcf <u>0</u>	Water Bbls. <u>35</u>	Gas-Oil Ratio	Gravity <u>28</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 <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3546-49</u>
--	--	--

JOB LOG

SWIFT Services, Inc.

DATE 11-17-10 PAGE NO. 1

CUSTOMER BACK DIAMOND D/L WELL NO. 1-31 LEASE BEAUFORT J JOB TYPE LONG STRIKE TICKET NO. 19238

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)		PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
					T	C	TUBING	CASING	
	0800								ON LOCATION CMT: 150 SB STD, EA-2
									RTO 3600 SET PIPE 3599 SJ 3450 TANSKY 3564 5 1/2 155 #14 BAYCOUM CMTOP # 47, 1630 FT CENT 1, 3, 5, 7, 9, 11, 46 BASKET # 12, 47 JOINTS OUT 9, 20, 25
	1100								START CSC & FLOAT EQ
	1200								TAG BITTEM, DROP BALL
	1230								BREAK CIRC
	1300		7.5		/				PLUG RH 30 SWS, MH 1551
	1305	5.5	12		/		200		MUD FLUSH 500 GAL
		5	20		/				WCL FLUSH 2 1/2
			30		/				CMT 105 SWS
									DROP 40, PLUG, WASH OUT PL
	1315	6.5	0		/		200		START DISP
			555		/		300		CMT ON BITTEM
			75		/		600		
			80		/		700		
	1330	4.5	848		/		1500		LAND PLUG RELEASE
	1415								JOB COMPLETE THANK YOU! DAVE, JIM & JANE E.

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# QUALITY OILWELL CEMENTING, INC.

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

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

No. 4571

Date	11-9-10	Sec.	317	Range	20	County	Rooks	State	KS	On Location		Finish	6:30pm
Lease	Benoit S		Well No.	1-31		Location						Modemus 1E 1/2 N E into	
Contractor	Discovery #3					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.	223									
Csg.	8 5/8		Depth	2310									
Tbg. Size						Charge To							Black Diamond Oil Inc
Tool						Street							
Cement Left in Csg.	10-15'		Shoe Joint										
Meas Line			Displace	13 1/4 bbs		Cement Amount Ordered						150 lb on 390cc 290 gel	

### EQUIPMENT

Pumptrk	9	No.	Cementer	9	Brandon	Common	150
Bulktrk	8	No.	Driver	8	Paul	Poz. Mix	
Bulktrk	4	No.	Driver	4	Cory	Gel.	3

### JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
DAV or Port Collar	CFL-117 or CD110 CAF 38

Cement did circbb

Sand  
Handling 158  
Mileage

Thank you!

### FLOAT EQUIPMENT

Guide Shoe  
Centralizer  
Baskets  
AFU Inserts  
Float Shoe  
Latch Down

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Quality Oilwell  
Cementing

Pumptrk Charge Surface  
Mileage 44

X Signature *Salv Sanchez*

Tax  
Discount  
Total Charge

# QUALITY OILWELL CEMENTING, INC.

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

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

No. 4690

Date <u>2-10-11</u>	Sec.	Twp.	Range	County <u>Rook</u>	State <u>Ks</u>	On Location	Finish <u>6:15 pm</u>
Lease <u>Bendit J</u>	Well No. <u>1-31</u>		Location <u>Damat SN 1E 3N</u>				
Contractor <u>Goschler Pulling Service</u>				Owner			
Type Job <u>Port Collar</u>				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 <u>7 7/8</u>	T.D.			Charge To <u>Black Diamond Oil</u>			
Csg. <u>5 1/2</u>	Depth			Street			
Tbg. Size <u>2 3/8</u>	Depth			City			
Tool <u>Port Collar</u>	Depth <u>1671</u>			State			
Cement Left in Csg.	Shoe Joint			The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line	Displace <u>8 3/4 Bbl</u>			Cement Amount Ordered <u>300 Q-MIX</u>			

**EQUIPMENT**

Pumptrk <u>5</u>	No.	Cementer <u>Steve</u>	
		Helper	
Bulktrk <u>10</u>	No.	Driver <u>Blunden</u>	
		Driver	
Bulktrk	No.	Driver <u>Lisco</u>	
		Driver	

<u>1/2 lb Flo Seal per sk</u>
Common <u>160</u>
Poz. Mix
Gel.
Calcium
Hulls
Salt
Flowseal <u>75 #</u>
Kol-Seal
Mud CLR 48
CFL-117 or CD110 CAF 38
Sand
Handling <u>300</u>
Mileage

**JOB SERVICES & REMARKS**

Remarks: BENDIT J - 1-31

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar 1671

Tubing @ 2080' Circulate hole

Pressure casing to 1671 psi. Open tool

Break CWC. Mix 160 & Q-MIX

Close tool. Pressure casing to 1671 psi.

Run 5 jts & wash clean

1 Cement chd Circulate

Used 160 SX

**FLOAT EQUIPMENT**

Guide Shoe
Centralizer
Baskets
AFU Inserts
Float Shoe
Latch Down

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Pumptrk Charge Port Collar

Mileage 49

X Signature Red Blin

Tax
Discount
Total Charge



# PIPE TALLY

Date 11/9/10

Black Diamond C&G

Company 1 East of Nicodemus

Lease Lease 1-31

NDN 400 Acre about 1/4 mile - F into -

	Size		New	Used	Limited Service		Weight		Grade		Type	Range						
	Column 1	Column 2			Column 3	Column 4	Column 5	Column 6	Column 7	Column 8			Column 9	Column 10				
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.
1	42	5																
2		5																
3		5																
4		5																
5		5																
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
Total	214	25																

54

Subtotal this page

Total Number of Joints

214.25 GRAND TOTAL

O+P BRAD

Tallied By

Received In Good Order By

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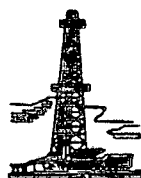
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Casing Head & Accessories

Other

Limited Service and/or Used Materials are sold "as is, without warranty either expressed or implied."

P. O. Box 763  
Hays, Kansas 67601



# Discovery Drilling

Office 785/623-2920  
Cellular 785/635-1511  
Rig 785/635-1201

## Pipe and Tubing Tally Book

DATE 11/17/10 COMPANY BLACK DIAMOND OIL LEASE BENOIT J Well No. 1-31

SIZE <u>5 1/2"</u>	WEIGHT <u>15.5 #</u>	MAKE	GRADE	RANGE <u>R-3</u>
THREAD	COLLAR LENGTH <u>LTLC</u>	CONDITION <u>NEW</u>	TRANSFER NOS.	OVERALL TALLY THREADS OFF TALLY

Joint No.	Feet	Hnd	Joint No.	Feet	Hnd	Joint No.	Feet	Hnd	Joint No.	Feet	Hnd	Joint No.	Feet	Hnd	Joint No.	Feet	Hnd	Joint No.	Feet	Hnd	Joint No.	Feet	Hnd				
1	34	50	21	45	56	41	44	48	61	44	54	81	39	95	101			121			141						
2	44	50	22	44	48	42	44	47	62	44	48	82	44	02	102			122			142						
3	44	13	23	44	42	43	44	40	63	44	06	83	41	51	103			123			143						
4	44	10	24	44	85	44	44	50	64	44	49	84	44	44	104			124			144						
5	36	79	25	44	40	45	44	48	65	44	50	85	44	97	105			125			145						
6	44	48	26	44	59	46	44	53	66	44	51	86			106			126			146						
7	43	21	27	44	60	47	44	25	67	44	48	87			107			127			147						
8	44	21	28	44	48	48	40	82	68	44	50	88			108			128			148						
9	38	38	29	44	50	49	44	53	69	44	07	89			109			129			149						
10	40	90	30	44	53	50	44	56	70	44	51	90			110			130			150						
11	34	62	31	44	44	51	44	15	71	44	09	91			111			131			151						
12	44	45	32	44	41	52	44	48	72	42	66	92			112			132			152						
13	43	38	33	44	50	53	44	52	73	44	11	93			113			133			153						
14	44	23	34	45	23	54	45	58	74	44	40	94			114			134			154						
15	44	08	35	42	77	55	44	80	75	44	54	95			115			135			155						
16	43	30	36	44	22	56	44	33	76	44	50	96			116			136			156						
17	44	53	37	44	58	57	44	49	77	44	53	97			117			137			157						
18	44	48	38	44	50	58	44	48	78	44	50	98			118			138			158						
19	45	83	39	47	52	59	44	68	79	44	58	99			119			139			159						
20	44	40	40	44	38	60	44	11	80	35	24	100			120			140			160						
												Totals		3717.04													

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Drillers TD 3600 Loggers TD 3601  
 No. Jts. Run 88 Size 5 1/2" Wt. 15.5 # Tested 4400  
 Cent@ 1 3 5 7 10 12 46  
 Basket@ 3-12-47 Bottom D.V. Tool@                      Port Collar@ 1631.12  
 Cemented By SWIFT SKs. Type Cement 150 EP 2 15 Moose Hole 30 RT Hole  
 Flush 500 Mud Flush 20 KCL WATER  
 Jts. To Be Left Out #79 38.38 #80 35.24 #85 44.97  
 Shoe Jt. 34.50 Pipe Set@ 3599' Off Bottom 11  
 Plug Down                      A.M. P.M. 1 1 1 Rig Release@                      A.M. P.M. 1 1  
 Job By Doc Bieker  
 Pipe Left On Location #9-80-85 Jts. Talley 118.59 Threads On                     

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DAILY DRILLING REPORT

Drillbit 43-5

CONTRACTOR  
Discourse Drilling Co Inc

DATE  
11/19/10

COMPANY  
Black Diamond Oil, Inc

LEASE  
Benoit J

WELL NO  
1-31

RIG NO  
3

DISTRICT  
Rooks

COUNTY  
Rooks

STATE  
KS

D.P. STRING NO.

DATE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
						Brannan Lonsdale	8
						Randy Brack	8
						Greg Ney	8
SLOPE TEST		ACCIDENT: -					
60	FT	(GIVE NAME)					
DEC. OFF						J.F. Weigel	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO		WEIGHT		DRILLING		SIZE D.P.	
SIZE		VISC		CORING		SIZE COLL	
MAKE		WTR. LOSS C.C.		OTHER		ITS D.P.	FT
SERIAL NO		FILTER CAKE		REPAIRS		KELLY DOWN	FT
DEPTH IN		PH		TRIP		COLLARS	FT
HOURS RUN		MTL. ADDED (REMARKS)				TOTAL	FT

REMARKS: Help Daylights

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
0	70	SURFACE SHALE	100+	Most	500	Carl F. Boff	8
						Loren Hillman	8
SLOPE TEST		ACCIDENT: -					
60	FT	(GIVE NAME)					
DEC. OFF						Ross Wilson	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	1	WEIGHT		DRILLING	1 1/4 RH 1/2	SIZE D.P.	
SIZE	1 1/4	VISC		CORING	CONN. 1/4	SIZE COLL	
MAKE	GF128	WTR. LOSS C.C.		OTHER		ITS D.P.	FT
SERIAL NO	RS5718	FILTER CAKE		REPAIRS		KELLY DOWN	FT
DEPTH IN	0	PH		TRIP		COLLARS	FT
HOURS RUN	1 1/4	MTL. ADDED (REMARKS)			MOVES UP 6	TOTAL	FT

REMARKS: 7:00-1:00 MOVE & RIG UP, 1:00-1:30 RAT HOLE, SPUD @ 1:30-3:00 DAG.

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
70	223	Surface	100+	Most	500	Raid Kester	8
						Randy Cline	8
						Joel Byers	8
SLOPE TEST		ACCIDENT: -					
60	FT	(GIVE NAME)					
DEC. OFF						Ryan Gaschler	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	1	WEIGHT		DRILLING	3/4 Corand 1/2	SIZE D.P.	
SIZE	1 1/4	VISC		CORING	Conn 1/4	SIZE COLL	
MAKE	GF128	WTR. LOSS C.C.		OTHER	Sony 1/4	ITS D.P.	FT
SERIAL NO	RS5718	FILTER CAKE		REPAIRS	Rover casing 1/2	KELLY DOWN	FT
DEPTH IN	0	PH		TRIP	TRIP OUT w/ BIT 1/2	COLLARS	FT
HOURS RUN	2	MTL. ADDED (REMARKS)			Circ 1/2	TOTAL	FT

REMARKS: 3:00-4:30 Drilling, 4:30-4:45 Corandate, 4:45-5:00 Survey @ 223, 5:00-5:15 Trip out w/ Bit, 5:15-5:45 Run 8 3/4" Surface casing, 5:45-6:00 circ casing, 6:00-6:30 CEM CASING, 6:30-11:00 WOC

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DAILY DRILLING REPORT

CONTRACTOR  
 hrc/43-5  
 COMPANY  
 Black Diamond Oil Inc  
 DISTRICT

CONTRACTOR  
 Occochee Drilling Co. Inc  
 LEASE  
 Benefit J  
 COUNTY  
 Rooks  
 STATE  
 Kansas

DATE  
 Wednesday  
 11/10/10  
 WELL NO.  
 1-31  
 RIG NO.  
 3  
 U. S. STRING NO.  
 SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PILES	NAME	HRS
223	600	Shale	80+	Most	450	Brannan Lansdate	8
						Randy Braun	8
						Owley Ney	8
SLOPE TEST		ACCIDENT: -- (GIVE NAME)					
W	FI						
DIS. OFF						Jeff Weimer	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		MUD SYSTEM RECORD	
RUN NO.	2	WEIGHT		DRILLING	3	Gel	25
SIZE	7/8	WISC.		CONNO	1 1/2	Halls	3
MARK	GX 20C	WTR. LOSS C.C.		OTHER	WOC 3 1/2	SA	3
SERIAL NO.	5178929	FILTER CAKE		REPAIRS		DOWN 1/2	1
DEPTH IN	223	PH.		TRIP		REPAIRS	1
HOURS RUN	3	MTL. ADDED (REMARKS)				Pac / RHO	1/4 / 1

REMARKS: 11:00 - 2:30 WOC 2:30 - 7:00 Drlg

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PILES	NAME	HRS
600	1535	SHALE & SAND	80	1/5000	650	Carl F. Goff	8
						Randy Bassall	8
						Loren Hillman	8
SLOPE TEST		ACCIDENT: -- (GIVE NAME)					
W	FI						
DIS. OFF						Ross Wilson	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		MUD SYSTEM RECORD	
RUN NO.	2	WEIGHT		DRILLING	5 1/2	Gel	25
SIZE	7/8	WISC.		CONNO	1 3/4	CAUSTIC	1
MARK	GX 20C	WTR. LOSS C.C.		OTHER	RIG 1/4	LIG	1
SERIAL NO.	5178929	FILTER CAKE		REPAIRS		SA	2
DEPTH IN	223	PH.		TRIP		Halls	3
HOURS RUN	8 1/2	MTL. ADDED (REMARKS)		JET	1/2	DRISPAK	1/4

REMARKS: 7:00 - 7:30 RIG JET #1 @ 633, 7:30 - 1:30 DRAG, 1:30 - 1:45 JET #1 @ 1420, 1:45 - 3:00 DRAG.

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PILES	NAME	HRS
1535	1629	Shale + Sand	80+	20000	700	Reid Krster	8
1629	1665	Anhydrite	80	25000	700	Randy Cline	8
1665	2125	Shale	80+	25000	750	Joel Byers	8
SLOPE TEST		ACCIDENT: -- (GIVE NAME)					
W	FI						
DIS. OFF						Ryan Geschler	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		MUD SYSTEM RECORD	
RUN NO.	2	WEIGHT		DRILLING	6	Gel	25
SIZE	7/8	WISC.		CONNO	1 1/2	Caustic	1
MARK	GX 20C	WTR. LOSS C.C.		OTHER	RIG 1/4	Ignite	1
SERIAL NO.	5178929	FILTER CAKE		REPAIRS		SA	2
DEPTH IN	223	PH.		TRIP		Halls	3
HOURS RUN	14 1/2	MTL. ADDED (REMARKS)		JET	1/4	DRISPAK	1/4

REMARKS: 3:00 - 3:15 Drlg, 3:15 - 3:30 RIG @ 1578, 3:30 - 7:30 Drlg, 7:30 - 7:45 JET #1 @ 1922, 7:45 - 11:00 Drlg.

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 KCC WICHITA

DAILY DRILLING REPORT

Wichita 43-5 BSA REG. ILLINOIS DR. #110  
1 REG. BIT CODE

CONTRACTOR

Discovery Drilling Co Inc

DATE

Thursday  
11/11/10

COMPANY

Black Diamond

LEASE

Benoit "J"

WELL NO.

1-31

RIG NO.

3

DISTRICT

COUNTY

Rooks

STATE

Kansas

D. P. STRING NO.

SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES	NAME	HRS.
2125	2460	Slate	80	2500	800	Brannan Lansdale	8
						Randy Braun	8
						Greg Noy	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
DEG OFF						Jeff Weigel	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		MUD MISC. RECORD	
RUN NO	2	WEIGHT		DRILLING	6 1/4	Gel	25
SIZE	7/8	WTR. LOSS C.C.		OTHER	Conn	Hulls	3
MAKE	GX 20C	FILTER CAKE		REPAIRS	Jet	Soda	2
SERIAL NO	5178929	PHI		TRIP	1/4	Caustic	1
DEPTH IN	223	MTL. ADDED (REMARKS)				Caustic	1
HOURS RUN	20 3/4					Caustic	1

REMARKS: 11:00 - 1:45 Drg 1:45 - 2:00 Rig 1 @ 2267 2:00 - 2:45 Drg 2:45  
3:15 Jet #2 @ 2298 3:15 - 7:00 Drg

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES	NAME	HRS.
2460	2775	SHALE	80	3500	750	Carl F. Goff	8
						Randy Basgall	8
						Loren Hillman	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
DEG OFF						Ross Wilson	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		MUD MISC. RECORD	
RUN NO	2	WEIGHT		DRILLING	6 1/2	Gel	43
SIZE	1 1/8	WTR. LOSS C.C.		OTHER	Conn	Caustic	2
MAKE	GX 20C	FILTER CAKE		REPAIRS	Jet	Lig	2
SERIAL NO	5178929	PHI		TRIP	1/4	S.A.	2
DEPTH IN	223	MTL. ADDED (REMARKS)				Hulls	2
HOURS RUN	27 1/4					Caustic	1/2

REMARKS: 7:00-7:15 DRAG, 7:15-7:30 Rig @ 2487, 7:30-8:45 DRAG, 8:45-9:00 JET #1 @ 2549,  
9:00-1:45 DRAG, 1:45-2:00 JET & CLEAN #2 @ 2739, 2:00-3:00 DRAG

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES	NAME	HRS.
2775	3040	slate	80	3500	800	Reid Kester	8
						Randy Cline	8
						Joel Byers	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
DEG OFF						Ryan Gaschler	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		MUD MISC. RECORD	
RUN NO	2	WEIGHT	81	DRILLING	6 1/4	Gel	
SIZE	7/8	WTR. LOSS C.C.	66	OTHER	Conn	Caustic	1
MAKE	GX 20C	FILTER CAKE		REPAIRS	Jet	Lig	1
SERIAL NO	5178929	PHI		TRIP	1/4	S.A.	2
DEPTH IN	223	MTL. ADDED (REMARKS)				Hulls	2
HOURS RUN	33 1/2					Drivpac	1/4

REMARKS: 3:00-3:45 Drg, 3:45-4:00 Rig @ 2802, 3:45-4:30 Drg, 4:30-5:00 Wash Section  
Pit @ 2833, 5:00-5:45 Drg, 5:45-6:00 Jet #1, Displacement Complete @ 2876, 6:00-11:00  
Drg.

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APR 28 2011

KCC WICHITA

DAILY DRILLING REPORT

HEADLINE 43-5

COMPANY **Black Diamond**

CONTRACTOR **Discovery Drilling Co Inc**  
 LEASE **Benoit "J"**  
 COUNTY **Rooks** STATE **Kansas**

DATE **Friday 11/12/10**  
 WELL NO. **1-31** RPT. NO. **3**  
 D.P. STRING NO. **1** SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3040	3202	Topoka	80	35 <sup>000</sup>	750	Branson Lunsdale	8
					300	Randy Braun	8
						Greg Mey	8

ACCIDENT: -  
 SLOPE TEST  
 (1 1/4 HRS Drywork) Jeff Weigal 8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	82	DRILLING	6	SIZE D.P.	601
SIZE	7/8	VISC.	53	CORING	Conn 1/4	SIZE COLL.	Hull
MAKE	GX20C	WTR. LOSS C.C.		OTHER	1/4	IS. D.P.	
SERIAL NO.	6178929	FILTER CAKE		REPAIRS	1/4	KELLY DOWN	
DEPTH IN	223	PH.		TRIP	1	COLLARS	
HOURS RUN	39 1/2	MTL. ADDED (REMARKS)		TOTAL			

REMARKS: 11:00 - 12:30 Drlg 12:30 - 1:00 Rig #3083 Picked up Mud 1:00 - 6:00  
 Drlg 6:00 - 7:00 CFS

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3202						Carl F. Goff	8
						Randy Basgall	8
						Loren Hillman	8

ACCIDENT: - Rec 230' WATER STRAP 3210.41  
 SLOPE TEST  
 2<sup>nd</sup> 3202 FT. BOARD 3200.78  
 1<sup>st</sup> DRLG. DFP (8 HRS Drywork) 68 DFP Ross Wilson 8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT		DRILLING		SIZE D.P.	
SIZE	7/8	VISC.		CORING	Conn 1/4	SIZE COLL.	
MAKE	GX20C	WTR. LOSS C.C.		OTHER		IS. D.P.	
SERIAL NO.	5178929	FILTER CAKE		REPAIRS		KELLY DOWN	
DEPTH IN	223	PH.		TRIP	SHORT 1	COLLARS	
HOURS RUN	39 1/2	MTL. ADDED (REMARKS)		TOTAL	DST#1 5-3/4		

REMARKS: 7:00 - 7:15 C.F.S. 3202, 7:15 - 8:15 SHUTTLE TRIP 3210.41, 8:15 - 9:15 2<sup>nd</sup> TRIP,  
 9:15 - 11:15 TRIP OUT W/ BIT W. SURVEY & STRAP 3210.41, 11:15 - 11:45 MAKE UP TOOL, 11:45 -  
 1:00 TRIP IN W/ TOOL, 1:00 - 3:00 TESTING

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3202	3290	Topoka -	70	35 <sup>000</sup>	750	Reid Kester	8
						Randy Cline	8
						Joel Byers	8

ACCIDENT: -  
 SLOPE TEST  
 (4 1/4 HRS Drywork) Ryan Gauchler 8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	82	DRILLING	3 1/2	SIZE D.P.	
SIZE	7/8	VISC.	59	CORING	Conn 1/4	SIZE COLL.	
MAKE	GX20C	WTR. LOSS C.C.		OTHER		IS. D.P.	
SERIAL NO.	5178929	FILTER CAKE		REPAIRS		KELLY DOWN	
DEPTH IN	223	PH.		TRIP	DST#1 4 1/4	COLLARS	
HOURS RUN	43	MTL. ADDED (REMARKS)		TOTAL			

REMARKS: 3:00 - 4:00 TESTING, 4:00 - 5:15 TRIP OUT W/ TEST TOOL, 5:15 - 5:45 BRACK - new down,  
 5:45 - 7:15 TRIP IN W/ BIT, 7:15 - 11:00 Drlg.

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DAILY DRILLING REPORT

Form 43-5 (Rev. 9-15-10) (5/11/10)

CONTRACTOR

DISCOVERY DRILLING CO., INC.

SATURDAY

DATE 11/13/10

BLACK DIAMOND OIL INC.

LEASEE: BENOIST J

WELL NO. 1-31

RIG NO. 3

DISTRICT

COUNTY

ROOKS

STATE

Ks

U. S. STRING NO.

SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3290	3308	K.C.	70	35 K	750	BRANNON LONSDALE	8
						RANDY BRAUN	8
DST#2	3237-3308	71' ANG.				GREG MEY	8
SLOPE TEST		ACCIDENT: (GIVE NAME)					
		Rec. 15 Socm					
DEP. OFF		(6 3/4 HRS DRILLING)				GALEN GASCHLER	

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT		DRILLING	1	SIZE D. P.	
SIZE	7/8	WISC.		CORING	CIRC 1/4	SIZE COLL.	
MAKE	GX20-C	WTR. LOSS-C.C.		OTHER	REG 1/4	JTS. D. P.	FT.
SERIAL NO.	5178929	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	223	PH.		TRIP		COLLARS	FT.
HOURS RUN	7/4	MTL. ADDED (REMARKS)		DST#2	53/4	TOTAL	FT.

REMARKS: 11:00-11:45 DRIG 11:45-12:00 Reg J @ 3303 12:00-12:15 DRIG 12:15-1:15 CFSC @ 3308 / 1:15-2:45 TRIP OUT W/ BIT 2:45-3:15 MAKE-UP TOOL 3:15-4:45 TRIP IN W/ TOOL 4:45-5:45 TESTING 5:45-7:00 TRIP OUT W/ TOOL

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3308	3347	K.C.	80	35000	750	Carl F. Goff	8
						Randy Basgall	8
						Loren Hillman	8
SLOPE TEST		ACCIDENT: (GIVE NAME)					
						Ross Wilson 8	
DEP. OFF		(6 HRS DRILLING)					

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT		DRILLING	1 3/4	SIZE D. P.	
SIZE	7/8	WISC.		CORING	CONV 1/4	SIZE COLL.	
MAKE	GX20C	WTR. LOSS-C.C.		OTHER	CIRC 1	JTS. D. P.	FT.
SERIAL NO.	5178929	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	223	PH.		TRIP	DST#3 2 3/4	COLLARS	FT.
HOURS RUN	45 3/4	MTL. ADDED (REMARKS)		DST#2	2 1/4	TOTAL	FT.

REMARKS: 7:00-7:30 BREAK & Lay Down Tool, 7:30-9:15 TRIP IN W/ BIT, 9:15-11:15 DRIG, 11:15-12:15 DRIG @ 3347, 12:15-1:45 TRIP OUT W/ BIT, 1:45-2:15 MAKE UP TOOL, 2:15-3:00 TRIP IN W/ TOOL

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3347	3375	Lansing K.C.	70	35000	750	Raid Kester	8
						Randy Cline	8
						Joe Byers	8
SLOPE TEST		ACCIDENT: (GIVE NAME)					
		Rec 375' WATER					
DEP. OFF		(6 HRS DRILLING)				Ryan Gaschler 8	

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT		DRILLING	1 1/2	SIZE D. P.	
SIZE	7/8	WISC.		CORING		SIZE COLL.	
MAKE	GX20C	WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	5178929	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	223	PH.		TRIP	DST#3 6 1/2	COLLARS	FT.
HOURS RUN	47 1/4	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 5:00-5:15 TRIP IN W/ test tool, 5:15-6:00 Test run, 6:00-7:15 TRIP OUT W/ test tool 7:15-7:45 Break & Lay Down test tool, 7:45-9:30 TRIP IN W/ BIT, 9:30-11:00 DRIG

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DAILY DRILLING REPORT  
 Form DR-43-5 (Rev. 5-11-54) (16" x 24")  
 1-900-231-7280

CONTRACTOR  
 Discovery Drilling Co Inc

DATE  
 Sunday  
 11 14 10

COMPANY  
 Black Diamond

LEASE  
 Benoit "J"

WELL NO.  
 1-31

RIG NO.  
 3

DISTRICT

COUNTY  
 Roark

STATE  
 KS

D. P. STRING NO.

SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3375	3397	Lansing KC	70	3500	750	Brannan Lansdale	8
Dst # 4 (3344-3397) 53' Anchor							8
SLOPE TEST ACCIDENT: - (GIVE NAME) Rec 55' SOCM							8
DEC. OFF (7 1/4 HRS Daywork) Jeff Weigel							8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT		DRILLING	3/4	SIZE D. P.	
SIZE	7/8	VISC.		CORING		SIZE COLL.	
MAKE	GX20C	WTR. LOSS C.C.		OTHER		JIS. O. P.	PT.
SERIAL NO.	5178929	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	223	PH.		TRIP	1	COLLARS	FT.
HOURS RUN	48	MTL. ADDED (REMARKS)			DST #4 6 1/4	TOTAL	FT.

REMARKS: 11:00 - 11:45 Drg 11:45 12:45 CFS @ 3397 12:45 - 2:45 TOW 13  
 2:45 - 3:30 WATT 3:30 - 4:45 TIWTT 4:45 - 7:00 Testing

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3397	3465	K.C.	70	35000	800	Carl F. Goff	8
SLOPE TEST ACCIDENT: - (GIVE NAME)							8
DEC. OFF (4 1/4 HRS Daywork) Ross Wilson							8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT		DRILLING	3 1/2	GEL	15
SIZE	7/8	VISC.		CORING		CHLORINE	1
MAKE	GX20C	WTR. LOSS C.C.		OTHER	JET 14	LIG	1
SERIAL NO.	5178929	FILTER CAKE		REPAIRS		S.A.	2
DEPTH IN	223	PH.		TRIP		HULLS	
HOURS RUN	5 1/2	MTL. ADDED (REMARKS)			DST # 4 4 1/4	DRISPAR	13 SK.

REMARKS: 7:00 - 7:45 Testing, 7:45 - 9:15 Pull Tool, 9:15 - 9:45 Break & Lay Down Tool  
 9:45 - 11:15 Trip in w/ bit, 11:15 - 2:30 Drg, 2:30 - 2:45 Jet a Hole & Add PREMEX @ 3461  
 2:45 - 3:00 Drg.

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3465	3484	Lansing K.C.	70	35000	800	Raid Krster	8
SLOPE TEST ACCIDENT: - (GIVE NAME)							8
DEC. OFF (7 1/4 HRS Daywork) Ryan Brascher							8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	92	DRILLING	3/4	SIZE D. P.	
SIZE	7/8	VISC.	54	CORING		SIZE COLL.	
MAKE	GX20C	WTR. LOSS C.C.		OTHER		JIS. O. P.	PT.
SERIAL NO.	5178929	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	223	PH.		TRIP	DST # 5 6 1/4	COLLARS	FT.
HOURS RUN	5 3/4	MTL. ADDED (REMARKS)			C.I.L.	TOTAL	FT.

REMARKS: 3:00 - 3:45 Drg, 3:45 - 4:45 CFS @ 3484, 4:45 - 6:15 Trip out w/ Bit  
 6:15 - 6:45 Make up test tool, 6:45 - 7:45 Trip in w/ test tool, 7:45 - 8:45 Testing, 8:45 -  
 10:00 Trip out w/ test tool, 10:00 - 10:30 Break + lay down tool, 10:30 - 11:00 Trip in w/ bit

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 KCC WICHITA

DAILY DRILLING REPORT

Headline 43-5 (10/23/83) (10/24/83) (10/25/83)

CONTRACTOR

Discovery Drilling Co Inc

DATE

Monday

11/15/10

COMPANY

Black Diamond

LEASE

Beneat "J"

WELL NO

1-31

RIG NO.

3

DISTRICT

COUNTY

Flacks

STATE

KS

D. M. STRINGS NO.

SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3484	3538	B/KL / Arbuckle	70	35 <sup>000</sup>	800	Brannan Hensdale	8
						Randy Brown	8
		DST#6 (3474-3538) (64')				Greg Ney	8
SLOPE TEST		ACCIDENT: -- (GIVE NAME)					
DEC. OFF		(5 1/2 HRS Daywork)		DRILL		Jeff Weigel	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	92	DRILLING	2 1/4	SIZE D. P.	
SIZE	7/8	VISC.	53	CORING	Conn	SIZE COLL.	
MAKE	GX200	WTR. LOSS C.C.		OTHER	Circ 2	ITS. D. H.	FT.
SERIAL NO.	5178929	FILTER CAKE		REPAIRS	Rig 1/2	RELLY DOWN	FT.
DEPTH IN	223	PH.		TRIP	DST#6 1/4	COLLARS	FT.
HOURS RUN	5 1/2	MTL. ADDED (REMARKS)			DST#6 2	TOTAL	FT.

REMARKS: 1:00 - 12:15 TIME B 12:15 - 12:30 Drlg 12:30 - 1:00 Rig @ 3493  
 1:00 - 2:45 Drlg 2:45 - 3:45 CFS @ 3535 3:45 - 4:00 Drlg 4:00 -  
 5:00 CFS @ 3538 5:00 - 7:00 TOWP

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3538						Carl F. Goff	8
						Randy Basgall	8
						Loren Hillman	8
SLOPE TEST		ACCIDENT: -- (GIVE NAME)					
DEC. OFF		(3 HRS Daywork)		DRILL		Ross Wilson	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT		DRILLING		SIZE D. P.	
SIZE	7/8	VISC.		CORING		SIZE COLL.	
MAKE	GX200	WTR. LOSS C.C.		OTHER		ITS. D. H.	FT.
SERIAL NO.	5178929	FILTER CAKE		REPAIRS		RELLY DOWN	FT.
DEPTH IN	223	PH.		TRIP		COLLARS	FT.
HOURS RUN		MTL. ADDED (REMARKS)			DST#6 8	TOTAL	FT.

REMARKS: 7:00-7:30 MAKE UP TOOL, 7:30-8:45 TRIP IN W/ TOOL, 8:45-11:45 TEST LOG,  
 11:45-1:15 PULL TOOL, 1:15-1:45 BREAK IN W/ DOWN TOOL, 1:45-2:15 WIND UP DRILL,  
 2:15-3:00 TRIP IN W/ BIT

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3538	3600	Arbuckle	70	35 <sup>000</sup>	800	Reid Kester	8
RTD	3600					Randy Cline	8
LTD	3601	By Superior				Joel Byers	8
SLOPE TEST		ACCIDENT: -- (GIVE NAME)					
DEC. OFF		(5 1/2 HRS Daywork)		DRILL		Ryan Gaschler	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	92	DRILLING	2 Survey 1/4	SIZE D. P.	
SIZE	7/8	VISC.	50	CORING	1/4 log 2	SIZE COLL.	
MAKE	GX200	WTR. LOSS C.C.		OTHER	Rig 1/4	ITS. D. H.	FT.
SERIAL NO.	5178929	FILTER CAKE		REPAIRS	TRIP out 1/2	RELLY DOWN	FT.
DEPTH IN	223	PH.		TRIP	DST#6 3/4	COLLARS	FT.
HOURS RUN	5 1/2	MTL. ADDED (REMARKS)			Circ 1	TOTAL	FT.

REMARKS: 3:00-3:45 TRIP IN W/ BIT, 3:45-4:30 Drlg, 4:30-4:45 Rig ve 3557, 4:45-6:15 Drlg,  
 6:15-7:15 CFS @ 3600, 7:15-1:30 Survey, 7:30-9:00 Trip out w/ Bit, 9:00-11:00  
 Rig up Loggers + Log

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APR 28 2011

DAILY DRILLING REPORT

Kennell 43-5 (816) 871-1111 FAX: (816) 871-1111

CONTRACTOR

Discovery Drilling Co Inc

DATE

Tuesday

11/1/10

COMPANY

Black Diamond

LEAD

Benoit "J"

WELL NO.

1-31

RIG NO.

3

DISTRICT

COUNTY

Rooks

STATE

KS

U. S. STRING NO.

SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3600	FTD	Arbuckle				Brannan Lousdate	8
						Randy Brown	8
						Greg Ney	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
UP	FT.						
	DEG. OFF	(3/4 HRS Daywork)				Jeff Weinel	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	WEIGHT	DRILLING	SIZE D. P.				
SIZE	VISC.	CORING	SIZE COLL.				
MARK	WTR. LOSS-C.C.	OTHER	JTS. D. P.				
SERIAL NO.	FILTER CAKE	REPAIRS	KELLY DOWN				
DEPTH IN	PH	TRIP	COLLARS				
HOURS RUN	MTL. ADDED (REMARKS)		TOTAL				

REMARKS 11:00 - 12:45 Logging 12:45 - 5:30 Breakbands 5:30 - 7:50 DST#7

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3600	FTD	Arbuckle				Carl E. Goff	8
						Randy Baggall	8
						Loren Hillman	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
UP	FT.						
	DEG. OFF	(8 HRS Daywork)				Ross Wilson	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	WEIGHT	DRILLING	SIZE D. P.				
SIZE	VISC.	CORING	SIZE COLL.				
MARK	WTR. LOSS-C.C.	OTHER	JTS. D. P.				
SERIAL NO.	FILTER CAKE	REPAIRS	KELLY DOWN				
DEPTH IN	PH	TRIP	COLLARS				
HOURS RUN	MTL. ADDED (REMARKS)		TOTAL				

REMARKS 7:00 - 8:45 MAKE UP TOOL & TRIP IN, 8:45 - 11:45 TESTING, 11:45 - 1:45 PULL TOOL, 1:45 - 2:15 BREAK & LAY DOWN TOOL, 2:15 - 3:00 WAIT ON ORDERS

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3600	FTD	Arbuckle				Raid Kester	8
						Randy Cline	8
						Joel Byers	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
UP	FT.						
	DEG. OFF	(8 HRS Daywork)				Ryan Gaschler	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	WEIGHT	DRILLING	SIZE D. P.				
SIZE	VISC.	CORING	SIZE COLL.				
MARK	WTR. LOSS-C.C.	OTHER	JTS. D. P.				
SERIAL NO.	FILTER CAKE	REPAIRS	KELLY DOWN				
DEPTH IN	PH	TRIP	COLLARS				
HOURS RUN	MTL. ADDED (REMARKS)		TOTAL				

REMARKS 3:00 - 3:45 Wait on Orders + Wait for testing, 3:45 - 4:15 Make up test tool, 4:15 - 5:30 Trip in w/ test tool, 5:30 - 8:30 Testing, 8:30 - 9:45 Trip out w/ test tool, 9:45 - 10:15 Break & lay down tool, 10:15 - 11:00 wait on orders

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DAILY DRILLING REPORT

CONTRACTOR  
 192X DRILLING CO. INC.  
 1-800-531-7200

Discovery Drilling Co. Inc

DATE  
 Wednesday  
 11/17/10

COMPANY  
 Black Diamond

LEASE  
 Benoit "J"

WELL NO.  
 1-31

RIG NO.  
 3

DISTRICT

COUNTY  
 Rooks

STATE  
 KS

U. P. STRING NO.  
 SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3600	EA	Arbuckle				Brannan Lonsdale	8
						Randy Braun	8
						Greg Neg	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
DEG. OFF		(8 HRS DAYWORK)				Jeff Weigel	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.		WEIGHT		DRILLING		SIZE D. P.	FT.
SIZE		VISC.		CORING		SIZE COLL.	FT.
MAKE		WTR. LOSS C.C.		OTHER		JIS D. P.	FT.
SERIAL NO.		FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN		PH.		TRIP		COLLARS	FT.
HOURS RUN		MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 11:00 - 1:00 TIWB 1:00 - 5:00 CTCH 5:00 - 7:00 Lay down pipe

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3600	EA	Arbuckle				Carl F. Goff	8
						Randy Basgall	8
						Loren Hillman	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
DEG. OFF		(7 HRS DAYWORK)				Ross Wilson	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.		WEIGHT		DRILLING		SIZE D. P.	FT.
SIZE		VISC.		CORING		SIZE COLL.	FT.
MAKE		WTR. LOSS C.C.		OTHER		JIS D. P.	FT.
SERIAL NO.		FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN		PH.		TRIP		COLLARS	FT.
HOURS RUN		MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 7:00-9:30 Lay down pipe w/ unload & tack casing 9:30-10:45 CHANGE OVER 10:45-12:15 R.N. 5 1/2 casing 12:15-1:00 CIRC CASING 1:00-1:30 LEM CASING 1:30-2:00 SET SLIPS 2:00-3:00 TEAR DOWN DRAIN-UP

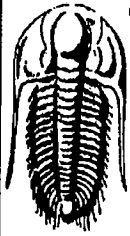
FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
DEG. OFF							

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.		WEIGHT		DRILLING		SIZE D. P.	FT.
SIZE		VISC.		CORING		SIZE COLL.	FT.
MAKE		WTR. LOSS C.C.		OTHER		JIS D. P.	FT.
SERIAL NO.		FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN		PH.		TRIP		COLLARS	FT.
HOURS RUN		MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS:

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**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Black Diamond Oil Inc.

PO Box 641  
Hays KS 67601-0641

ATTN: Ken Vehige

**Benoit "J" #1-31**

**31-7s-20w Rooks, KS**

Job Ticket: 41034

DST#: 1

Test Start: 2010.11.12 @ 11:29:15

### GENERAL INFORMATION:

Formation: **Oread**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: 13:09:15  
 Time Test Ended: 17:48:45

Test Type: **Conventional Bottom Hole**  
 Tester: **Ray Schwager**  
 Unit No: **42**

Interval: **3166.00 ft (KB) To 3202.00 ft (KB) (TVD)**  
 Total Depth: **3202.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **2058.00 ft (KB)**  
**2050.00 ft (CF)**  
 KB to GR/CF: **8.00 ft**

### Serial #: 6625

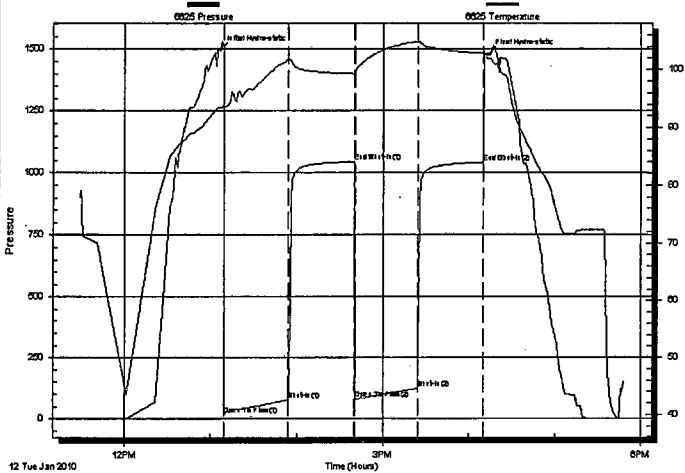
Inside

Press@RunDepth: **123.81 psig @ 3170.00 ft (KB)**  
 Start Date: **2010.01.12** End Date: **2010.01.12**  
 Start Time: **11:29:20** End Time: **17:48:44**

Capacity: **8000.00 psig**  
 Last Calib.: **2010.11.12**  
 Time On Btm: **2010.01.12 @ 13:06:45**  
 Time Off Btm: **2010.01.12 @ 16:13:15**

TEST COMMENT: IFF-w k to gd bl 1/2" to 6 1/2" bl  
 ISP-no bl bk  
 FFP-w k to gd bl 1/4" to 4" bl  
 FSIP-no bl bk

Pressure vs. Time



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1496.31	93.48	Initial Hydro-static
3	17.58	93.65	Open To Flow (1)
48	76.00	101.68	Shut-In(1)
94	1045.70	99.28	End Shut-In(1)
94	78.89	99.15	Open To Flow (2)
138	123.81	104.83	Shut-In(2)
184	1042.53	102.86	End Shut-In(2)
187	1480.92	101.90	Final Hydro-static

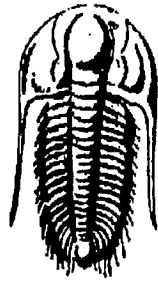
### Recovery

Length (ft)	Description	Volume (bbl)
45.00	MW 20% m80% W w/show of oil	0.36
186.00	Water	2.61

### Gas Rates

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

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**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil Inc**

PO Box 641  
Hays KS 67601-0641

ATTN: Ken Vehige

**31-7s-20w Rooks,KS**

**Benoit "J"#1-31**

Start Date: 2010.11.12 @ 11:29:15

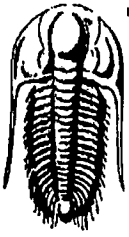
End Date: 2010.01.12 @ 17:48:45

Job Ticket #: 41034                      DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Black Diamond Oil Inc

**Benoit "J" #1-31**

PO Box 641  
Hays KS 67601-0641

**31-7s-20w Rooks, KS**

Job Ticket: 41035

DST#: 2

ATTN: Ken Vehige

Test Start: 2010.11.13 @ 02:12:09

### GENERAL INFORMATION:

Formation: **Toronto-LKC "A"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 04:35:34  
 Time Test Ended: 07:14:33

Test Type: Conventional Bottom Hole  
 Tester: Ray Schwager  
 Unit No: 42

Interval: **3237.00 ft (KB) To 3308.00 ft (KB) (TVD)**  
 Total Depth: **3308.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: Fair

Reference Elevations: **2058.00 ft (KB)**  
**2050.00 ft (CF)**  
 KB to GR/CF: **8.00 ft**

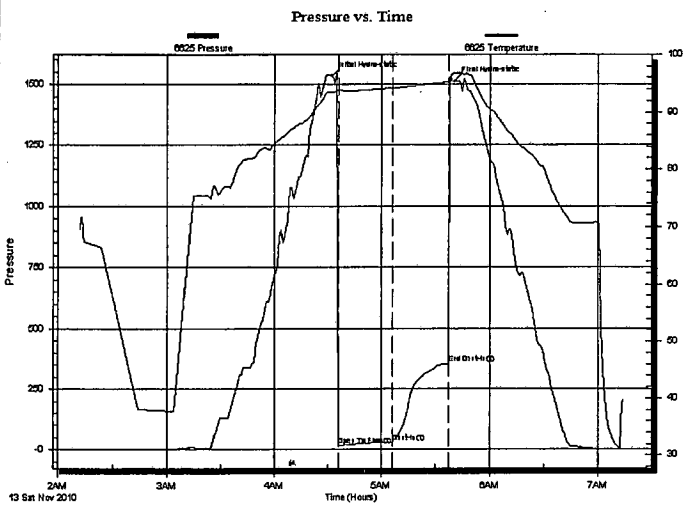
### Serial #: 6625

Inside

Press@RunDepth: **31.70 psig @ 3243.00 ft (KB)**  
 Start Date: **2010.11.13** End Date: **2010.11.13**  
 Start Time: **02:12:09** End Time: **07:14:33**

Capacity: **8000.00 psig**  
 Last Calib.: **2010.11.13**  
 Time On Btm: **2010.11.13 @ 04:32:04**  
 Time Off Btm: **2010.11.13 @ 05:40:34**

TEST COMMENT: IFP- w k bl 1/4"bl  
 ISP-no bl  
 FFP-pulled tool



### PRESSURE SUMMARY

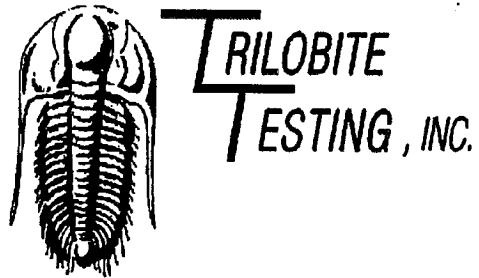
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1533.80	93.55	Initial Hydro-static
4	16.69	93.78	Open To Flow (1)
34	31.70	94.14	Shut-In(1)
65	352.77	95.22	End Shut-In(1)
69	1512.25	96.65	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
15.00	SOCM 2%O98%M	0.07

### Gas Rates

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



## DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil Inc**

PO Box 641  
Hays KS 67601-0641

ATTN: Ken Vehige

**31-7s-20w Rooks,KS**

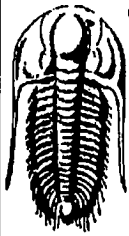
**Benoit "J"#1-31**

Start Date: 2010.11.13 @ 02:12:09

End Date: 2010.11.13 @ 07:14:33

Job Ticket #: 41035                      DST #: 2

Trilobite Testing, Inc  
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**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Black Diamond Oil Inc

PO Box 641  
Hays KS 67601-0641

ATTN: Ken Vehige

**Benoit "J" #1-31**

**31-7s-20w Rooks, KS**

Job Ticket: 41036      DST#: 3

Test Start: 2010.11.13 @ 13:35:05

### GENERAL INFORMATION:

Formation: **LKC C-D**

Deviated: No Whipstock:                      ft (KB)

Time Tool Opened: 15:07:30

Time Test Ended: 19:27:59

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: **3302.00 ft (KB) To 3347.00 ft (KB) (TVD)**

Total Depth: **3347.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: Fair

Reference Elevations: **2058.00 ft (KB)**

**2050.00 ft (CF)**

KB to GR/CF: **8.00 ft**

**Serial #: 6625**

Inside

Press@RunDepth: 195.40 psig @ 3311.00 ft (KB)

Start Date: 2010.11.13

End Date: 2010.11.13

Start Time: 13:35:05

End Time: 19:27:59

Capacity: 8000.00 psig

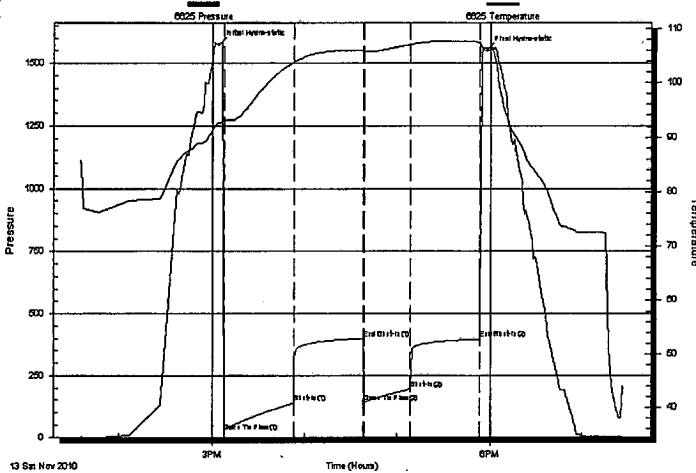
Last Calib.: 2010.11.13

Time On Btm: 2010.11.13 @ 15:04:30

Time Off Btm: 2010.11.13 @ 17:57:59

**TEST COMMENT:** IFF-w k to strg in 19 min  
ISIP-no bl bk  
FFP-w k to a fr bl 1/4to 6"bl  
FSIP-no bl bk

Pressure vs. Time



### PRESSURE SUMMARY

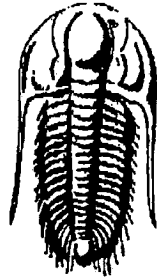
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1572.58	92.60	Initial Hydro-static
3	20.93	93.22	Open To Flow (1)
49	138.43	103.72	Shut-In(1)
94	399.13	105.99	End Shut-In(1)
94	141.42	105.92	Open To Flow (2)
124	195.40	107.03	Shut-In(2)
169	396.93	107.52	End Shut-In(2)
174	1549.93	106.33	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
125.00	MW 20%M80%VW	1.48
250.00	Water	3.51

### Gas Rates

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



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**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil Inc**

PO Box 641  
Hays KS 67601-0641

ATTN: Ken Vehige

**31-7s-20w Rooks,KS**

**Benoit "J"#1-31**

Start Date: 2010.11.13 @ 13:35:05

End Date: 2010.11.13 @ 19:27:59

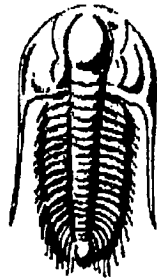
Job Ticket #: 41036                      DST #: 3

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**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil Inc**

PO Box 641  
Hays KS 67601-0641

ATTN: Ken Vehige

**31-7s-20w Rooks,KS**

**Benoit "J"#1-31**

Start Date: 2010.11.14 @ 02:38:46

End Date: 2010.11.14 @ 09:28:10

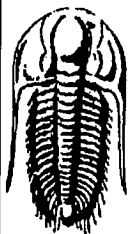
Job Ticket #: 41037                      DST #: 4

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## DRILL STEM TEST REPORT

Black Diamond Oil Inc

Benoit "J" #1-31

PO Box 641  
Hays KS 67601-0641

31-7s-20w Rooks, KS

Job Ticket: 41038      DST#: 5

ATTN: Ken Vehige

Test Start: 2010.11.14 @ 17:39:24

### GENERAL INFORMATION:

Formation: LKC I-L

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:39:49

Time Test Ended: 22:14:48

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: 3416.00 ft (KB) To 3484.00 ft (KB) (TVD)

Total Depth: 3484.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2058.00 ft (KB)

2050.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6625

Inside

Press@RunDepth: 32.18 psig @ 3420.00 ft (KB)

Start Date: 2010.11.14

End Date:

2010.11.14

Start Time: 17:39:24

End Time:

22:14:48

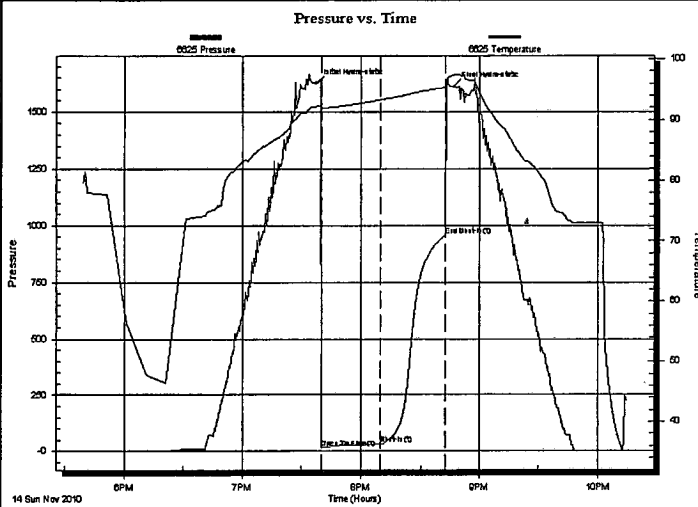
Capacity: 8000.00 psig

Last Calib.: 2010.11.14

Time On Btm: 2010.11.14 @ 19:37:19

Time Off Btm: 2010.11.14 @ 20:46:49

TEST COMMENT: IFP-w k bl surface to 1/4"bl  
ISIP-no bl  
FFP-pulled tool



### PRESSURE SUMMARY

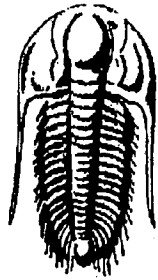
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1625.44	92.15	Initial Hydro-static
3	16.16	91.99	Open To Flow (1)
33	32.18	93.27	Shut-In(1)
65	956.27	95.29	End Shut-In(1)
70	1609.71	97.29	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
40.00	HOCM 20%80%M	0.29

### Gas Rates

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



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil Inc**

PO Box 641  
Hays KS 67601-0641

ATTN: Ken Vehige

**31-7s-20w Rooks,KS**

**Benoit "J"#1-31**

Start Date: 2010.11.14 @ 17:39:24

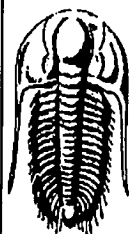
End Date: 2010.11.14 @ 22:14:48

Job Ticket #: 41038                      DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Black Diamond Oil Inc

PO Box 641  
Hays KS 67601-0641

ATTN: Ken Vehige

**Benoit "J" #1-31**

**31-7s-20w Rooks, KS**

Job Ticket: 41304      DST#: 6

Test Start: 2010.11.15 @ 06:14:42

### GENERAL INFORMATION:

Formation: **Marmaton-Arbuckle**

Deviated: No      Whipstock:      ft (KB)

Time Tool Opened: 08:31:12

Time Test Ended: 13:29:12

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 42

Interval: **3474.00 ft (KB) To 3538.00 ft (KB) (TVD)**

Reference Elevations: 2058.00 ft (KB)

Total Depth: 3538.00 ft (KB) (TVD)

2050.00 ft (CF)

Hole Diameter: 7.88 inches      Hole Condition: Poor

KB to GR/CF: 8.00 ft

**Serial #: 6625**

Inside

Press@RunDepth: 68.09 psig @ 3478.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.11.15

End Date: 2010.11.15

Last Calib.: 2010.11.15

Start Time: 06:14:47

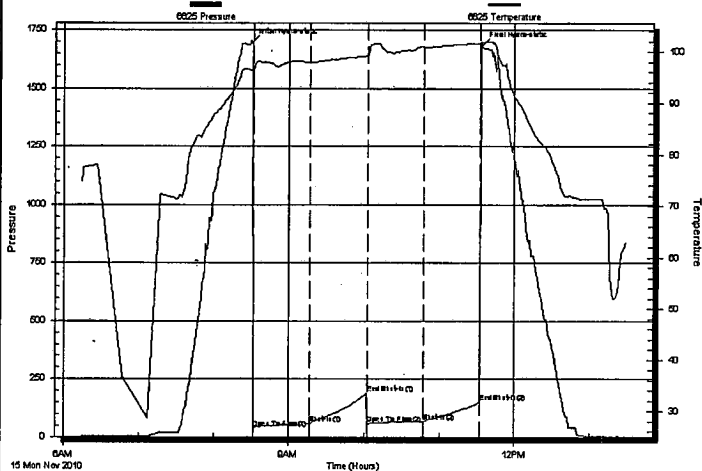
End Time: 13:29:11

Time On Btm: 2010.11.15 @ 08:29:42

Time Off Btm: 2010.11.15 @ 11:33:42

**TEST COMMENT:** IF-Weak building blow . Built to 5.5 inches.  
IS-No Return.  
FF-Weak building blow . Built to 5 inches.  
FSI-Surging surface bubbles @ 20 minutes.

Pressure vs. Time



### PRESSURE SUMMARY

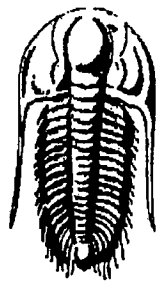
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1697.47	96.43	Initial Hydro-static
2	37.47	96.27	Open To Flow (1)
47	56.58	97.98	Shut-In(1)
93	187.82	99.25	End Shut-In(1)
93	58.89	99.30	Open To Flow (2)
138	68.09	101.00	Shut-In(2)
183	149.83	101.69	End Shut-In(2)
184	1684.08	101.67	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
30.00	60%Mud/40%Oil	0.15
40.00	60%Oil/40%Mud	0.56
20.00	100%Oil	0.28

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil Inc**

PO Box 641  
Hays KS 67601-0641

ATTN: Ken Vehige

**31-7s-20w Rooks,KS**

**Benoit "J"#1-31**

Start Date: 2010.11.15 @ 06:14:42

End Date: 2010.11.15 @ 13:29:12

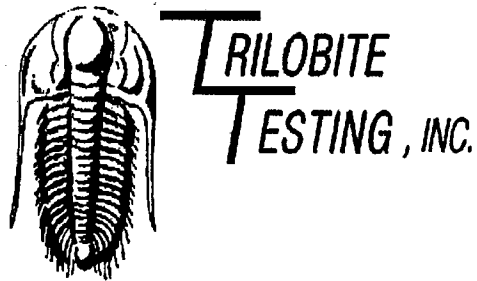
Job Ticket #: 41304                      DST #: 6

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 Oil Inc**

PO Box 641  
Hays KS 67601-0641

ATTN: Ken Vehige

**31-7s-20w Rooks,KS**

**Benoit "J"#1-31**

Start Date: 2010.11.16 @ 06:03:23

End Date: 2010.11.16 @ 14:10:23

Job Ticket #: 41305                      DST #: 7

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Black Diamond Oil Inc

Benoit "J" #1-31

PO Box 641  
Hays KS 67601-0641

31-7s-20w Rooks,KS

Job Ticket: 41306 DST#: 8

ATTN: Ken Vehige

Test Start: 2010.11.16 @ 15:05:17

### GENERAL INFORMATION:

Formation: LKC H

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:08:17

Time Test Ended: 22:04:47

Test Type: Conventional Straddle

Tester: Dustin Rash

Unit No: 42

Interval: 3385.00 ft (KB) To 3436.00 ft (KB) (TVD)

Reference Elevations: 2058.00 ft (KB)

Total Depth: 3601.00 ft (KB) (TVD)

2050.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 8652 Outside

Press@RunDepth: 123.71 psig @ 3419.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.11.16

End Date: 2010.11.16

Last Calib.: 2010.11.16

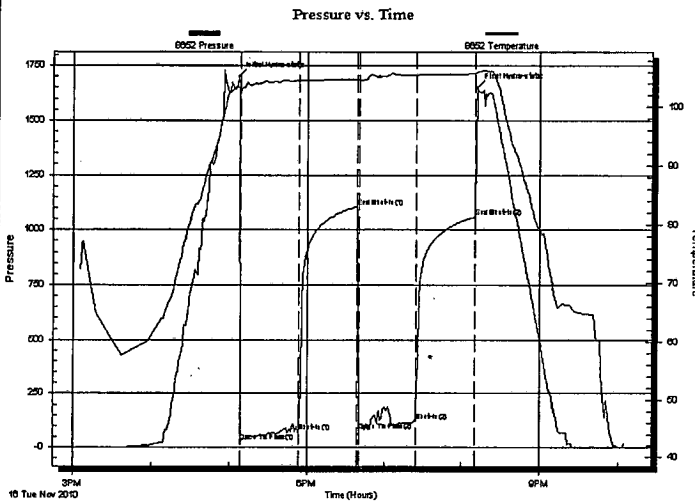
Start Time: 15:05:22

End Time: 22:04:46

Time On Btm: 2010.11.16 @ 17:06:47

Time Off Btm: 2010.11.16 @ 20:11:47

**TEST COMMENT:** IF-Fair building blow. Built to 8 inches.  
IS-No Return.  
FF-Weak building blow after 3.5 minutes. Built to 5 & 1/4 inches.  
FS-No Return.



### PRESSURE SUMMARY

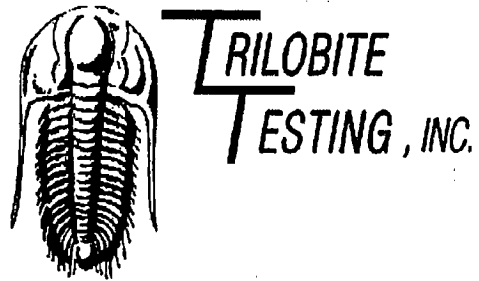
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1699.14	103.41	Initial Hydro-static
2	29.99	102.35	Open To Flow (1)
47	73.89	104.46	Shut-In(1)
92	1106.69	104.81	End Shut-In(1)
93	76.58	104.57	Open To Flow (2)
138	123.71	105.40	Shut-In(2)
184	1060.58	105.68	End Shut-In(2)
185	1649.99	105.90	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
140.00	100%Mud	1.69

### Gas Rates

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



## DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil Inc**

PO Box 641  
Hays KS 67601-0641

ATTN: Ken Vehige

**31-7s-20w Rooks,KS**

**Benoit "J"#1-31**

Start Date: 2010.11.16 @ 15:05:17

End Date: 2010.11.16 @ 22:04:47

Job Ticket #: 41306                      DST #: 8

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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