

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Handwritten initials and date: W/10/09

Operator: License # 7076
 Name: Black Diamond Oil, Inc.
 Address: P.O. Box 641
 City/State/Zip: Hays, KS 67601
 Purchaser: Coffeyville Resources
 Operator Contact Person: Kenneth Vehige
 Phone: (785) 625-5891
 Contractor: Name: Discovery Drilling Co., Inc.
 License: 31548
 Wellsite Geologist: Tony Richardson
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 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./SWD
 Plug Back _____ Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

<u>8/5/2009</u>	<u>8/10/2009</u>	<u>9/2/2009</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

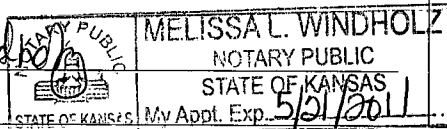
API No. 15 - 163-23,810-00-00
 County: Rooks
W/2 SW SW Sec. 22 Twp. 8 S. R. 19 East West
660 feet from (S) / N (circle one) Line of Section
330 feet from E / (W) (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW (SW)
 Lease Name: Green C Well #: 1
 Field Name: Webster
 Producing Formation: Arbuckle
 Elevation: Ground: 1981 Kelly Bushing: 1989
 Total Depth: 3421 Plug Back Total Depth: _____
 Amount of Surface Pipe Set and Cemented at 223.16 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set _____ Feet
 If Alternate II completion, cement circulated from 3148
 feet depth to Surface w/ 450 sks _____ sx cmt.
 (30 sks In Rat Hole) (15sks In Mouse Hole)

Drilling Fluid Management Plan AH II NUR 12-1-09
 (Data must be collected from the Reserve Pit)
 Chloride content 16,000 ppm Fluid volume 240 bbls
 Dewatering method used Evaporation
 Location of fluid disposal if hauled offsite: _____
 Operator Name: _____
 Lease Name: _____ License No.: _____
 Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
 County: _____ Docket No.: _____

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 this 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: *Handwritten Signature*
 Title: president Date: 11-10-09
 Subscribed and sworn to before me this 10th day of November,
 2009.
 Notary Public: *Melissa L. Windholz*
 Date Commission Expires: 5/2/2011



KCC Office Use ONLY

Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

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Operator Name: Black Diamond Oil, Inc. Lease Name: Green C Well #: 1
 Sec. 22 Twp. 8 S. R. 19 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 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 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 <i>(Submit Copy)</i> List All E. Logs Run: Dual Induction, Compensated density & Micro	<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:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1397</td> <td>+592</td> </tr> <tr> <td>Topeka</td> <td>2924</td> <td>-935</td> </tr> <tr> <td>Heebner</td> <td>3132</td> <td>-1143</td> </tr> <tr> <td>Lansing KC</td> <td>3172</td> <td>-1183</td> </tr> <tr> <td>Arbuckle</td> <td>3417</td> <td>-1428</td> </tr> </table>	Name	Top	Datum	Anhydrite	1397	+592	Topeka	2924	-935	Heebner	3132	-1143	Lansing KC	3172	-1183	Arbuckle	3417	-1428
Name	Top	Datum																	
Anhydrite	1397	+592																	
Topeka	2924	-935																	
Heebner	3132	-1143																	
Lansing KC	3172	-1183																	
Arbuckle	3417	-1428																	

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	223.16	Common	150	2%Gel&3%CC
Production St.	7 7/8	5 1/2	14	3418	SMDC	450	

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
	None	None	

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TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	2 7/8	3400	None			
Date of First, Resumerd Production, SWD or Enhr. 9/25/2009			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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
	20	0	0		28	

Disposition of Gas Vented Sold Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____

ALLIED CEMENTING CO., LLC. 037594

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell KS

DATE <u>8-5-09</u>	SEC. <u>22</u>	TWP. <u>8</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>6:00</u>	JOB FINISH <u>6:30 pm</u>
LEASE <u>Green C</u>	WELL # <u>1</u>		LOCATION <u>Zurich KS 8 North East into</u>			COUNTY <u>Rooks</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Discovery Drilling # 1

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 224

CASING SIZE 8 5/8 23# DEPTH 223.16

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15'

PERFS. _____

DISPLACEMENT 13.25 Bbl

OWNER _____

CEMENT AMOUNT ORDERED 150 com 3% cc 2% Gel

COMMON	<u>150</u>	@	<u>13,50</u>	<u>2025.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>20.25</u>	<u>60.75</u>
CHLORIDE	<u>5</u>	@	<u>51.50</u>	<u>257.50</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>75</u>	@	<u>2.25</u>	<u>168.75</u>
MILEAGE	<u>110/16/mi. 7c</u>			<u>375.00</u>
TOTAL				<u>2857.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER John Roberts

398 HELPER Shane

BULK TRUCK

410 DRIVER Brent

BULK TRUCK

_____ DRIVER _____

REMARKS:

Est. Circulation

Mix 150 sk Cement

Displace w/ 13.25 Bbl H₂O

Cement Did Circulate

CHARGE TO: Black Diamond Oil

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 991.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 50 @ 7.00 350.00

MANIFOLD _____ @ _____

_____ @ _____

_____ @ _____

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TOTAL 1341.00

KOG WICHITA
KOG & FLOAT EQUIPMENT

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

JOB LOG

SWIFT Services, Inc.

DATE 07-11-09 PAGE NO. 1

CUSTOMER KAMMANN WOOD WELL NO. C-11 LEASE GREEN JOB TYPE INDUSTRIAL TICKET NO. 16186

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1700							OILCATION 2000K HCL CNT 4.50 SEC 500 1/4" FLOSOLE SWIND FLUSH PTD 34W SET DIVE 34W 5000.53 TAP 17.3198 5 1/2 14" CNT 2 46 A.D. 12 H. 52 Baskets 1.10.99
	1745							START Casing Flow
	1910							TAB WY... DRD B...
	1940							B. JAW CIRC
	1910							REPAIR 1911
	1940	5.0	0				200	START WIND FLUSH
			12					HCL
			27					
		50	0					START 500 @ 112" 350 SEC
			83.7					CNT 1.10.99
			2050					END 112" CNT START 140"
			215.0					END CNT
								DIV L1 PLUG WASH W/ PL
	2020	5.0	0				200	START DRD
			30.0				200	
			450				400	CIRC CNT 70, 17
			700				500	
			75.0				600	
			800				700	
	2040	7.0	829				1400	CNT PLUG
	2045							REPAIR DRD
								INDICOMPLET
								THAT YOU!
								DR. JOSH B. ROSS

CIRC 50 SEC TO
 DT!

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DAILY DRILLING REPORT

Wichita 43-5 (800) 480-1111 FAX (316) 261-7290

CONTRACTOR

Discern, Ditch

DATE

Wed. 8-5-09

COMPANY

Black Diamond PILL INK

LEASE

GREEN C

WELL NO.

RIG NO.

D. P. STRING NO.

SIZE

COUNTY

ROCKS

STATE

KS

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
						Kenny Jones	8
						Jason Showalter	8
						Chad Mayfield	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
°	FT.						
DEC. OFF							

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		JTS. 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: 700-300 Help set via big up pump 1/4" water mix mud

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
0	60	Sand Shale	120	All	450	Jason Showalter	8
						Chuck Dick	8
						Starbuck	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
°	FT.	Spuds line					
DEC. OFF							

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	1	WEIGHT		DRILLING		SIZE D.P.	
SIZE	12 1/4	VISC.		CORING	1/2	SIZE COLL.	
MAKE	HPS/A	WTR. LOSS C.C.		OTHER		JTS. D.P.	FT.
SERIAL NO.	J111626	FILTER CAKE		REPAIRS	1/2	KELLY DOWN	FT.
DEPTH IN	0	PH.		TRIP	25'	COLLARS	FT.
HOURS RUN	1	MTL. ADDED (REMARKS)			20' H1	TOTAL	FT.

REMARKS: 700-1000 Lead in from 1000-1100' of 4" 111626 D.P. 111626 111626 3000' Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
50-	224	Sand & Shale	120	All	450	Dusty Bowman	8
						John Mehl	8
						Chuck Dick	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
°	224 FT						
DEC. OFF		JOB COMPLETE @ 6:30 PM 8/5/09					

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	1	WEIGHT		DRILLING	1 1/4	SIZE D.P.	
SIZE	12 1/4	VISC.		CORING	1/2	SIZE COLL.	
MAKE	HPS/A	WTR. LOSS C.C.		OTHER		JTS. D.P.	FT.
SERIAL NO.	J11626	FILTER CAKE		REPAIRS	1	KELLY DOWN	FT.
DEPTH IN	0	PH.		TRIP	1 1/2	COLLARS	FT.
HOURS RUN	2 1/4	MTL. ADDED (REMARKS)			WOC 4 1/2	TOTAL	FT.

REMARKS: 3:00-4:45 Ditch 4:45-5:00 Cement collar @ 224 5:00-6:00 Prep SS 70' Run 85' @ 600' 6' 15' Circ 8 1/2, 6' 15' - 6' 30' PERCENT 8 1/2, 6' 30' 1100 WOC.

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DAILY DRILLING REPORT

CONTRACTOR
 43-5 BOX 800 TULSA OK 74101
 PHONE 311 7200
 COMPANY
 Black Diamond OIL INC
 LEASE
 Green C
 DISTRICT
 COUNTY
 ROOKS
 STATE
 KS

CONTRACTOR
 Discovery Drilling Co INC.
 LEASE
 Green C
 COUNTY
 ROOKS
 STATE
 KS

DATE
 Thurs.
 8-6-09
 WELL NO.
 1
 PIC NO.
 1
 D. P. STRING NO.
 SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
224	490	Sand & shale	90	15000 20000-5000	500	Kenny Jones	8
						Dusty ROZEAU	8
						John Mehl	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
⊙	FT						
DEG. OFF		1 IN FRAC		(25) Tevvy Jones			8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT		DRILLING	2 3/4	SIZE D. P.	25
SIZE	7/8	VISC		CORING CON	3/4	SIZE COLL.	1
MAKE	Gx200	WTR. LOSS C.C.		OTHER	3 1/2	JTS D. P.	1
SERIAL NO.	5165630	FILTER CAKE		REPAIRS		KELLY DOWN	2
DEPTH IN	224	PH.		TRIP		COLLARS	14
HOURS RUN	3 3/4	MTL. ADDED (REMARKS)		TOTAL	HULLS		2

REMARKS: 1100-230 WOOD 224 230-700 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
490	900	Shale & sand	90	3000	650	Justin Bunting	8
		Sand				Randy Boccia	8
150	189	Shale & sand				Stand Love Lady	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
⊙	FT						
DEG. OFF		2-N-Frac		(50) Sil ramp			8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	7 3/8	WEIGHT		DRILLING	1 3/4	SIZE D. P.	25 Gel
SIZE	7/8	VISC		CORING CON	2 1/4	SIZE COLL.	1-C
MAKE	Gx200	WTR. LOSS C.C.		OTHER	2 1/4	JTS D. P.	1-L
SERIAL NO.	5115030	FILTER CAKE		REPAIRS		KELLY DOWN	2-SA
DEPTH IN	224	PH.		TRIP		COLLARS	2-HULLS
HOURS RUN	8 1/2	MTL. ADDED (REMARKS)		TOTAL	Bar Super		4 Adds

REMARKS: 7:00-7:15 Sec. No. 106 7:15-9:00 Drill, 9:00-9:15 Let #10 low 9:15-10:12 Drill 10:12-12:30 Drill #10 11:15-12:00 3:00-3:10

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
1395	1435	Anhydrite	90	3500	650	Justin Bunting	8
1435	1913	Sand & shale	90	3000	650	Chuck Dick	8
						Chad Mayfield	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
⊙	FT						
DEG. OFF		3-N-Frac		(50) Bacon - 1/2 hr			8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	1	WEIGHT		DRILLING	6	SIZE D. P.	25 Gel
SIZE	7/8	VISC		CORING CON	1 1/4	SIZE COLL.	1-C
MAKE	Gx200	WTR. LOSS C.C.		OTHER	1 1/4	JTS D. P.	1-L
SERIAL NO.	5168330	FILTER CAKE		REPAIRS		KELLY DOWN	2-SA
DEPTH IN	224	PH.		TRIP		COLLARS	2-HULLS
HOURS RUN	1 1/2	MTL. ADDED (REMARKS)		TOTAL	Super Vis		11-SK POC

REMARKS: 3:00-3:15 Drly 3:15-3:30 Rip #1411 3:30-4:15 Drly 4:15-4:30 Let #10 4:30-9:00 Drly 9:00-9:15 Let #10 1819 9:15-11:00 Drly

DAILY DRILLING REPORT

Headbill 43-5 BOX 800, 101.5A DR 23121
1 800 341-7250

CONTRACTOR

Discovery Drilling CO INC

DATE

Fvi.
8-7-09

COMPANY

Blackdiamond OIL INC.

LEASE

Green C

WELL NO.

RIG NO

DISTRICT

COUNTY

STATE

D. P. STRING NO.

SIZE

Rooks

K5

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
1913	2250	Shale	80	30 ⁰⁰⁰	700#	Kenny Jones	8
						Dusty Rozzan	8
						John Mehl	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
0'	FT.						
DEC. OFF		4 INFVAC / FOR FLUSH		(25)		Tevvy Jones	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	2	WEIGHT		DRILLING	6 1/2	SIZE D. P.	Get 40
SIZE	7 1/2	VISC.		CORING CON	3/4	SIZE COLL.	CAU 1
MAKE	Gx200	WTR. LOSS C.C.		OTHER	VRIG 1/4	JTS. D. P.	1 FT
SERIAL NO.	5165630	FILTER CAKE		REPAIRS		KELLY DOWN	500 1 3 FT
DEPTH IN	224	PH.		TRIP		COLLARS	1/4 FT
HOURS RUN	31	MTL. ADDED (REMARKS)			Jet 1/2	TOTAL	Halls 8 FT

REMARKS: 1:00-1:30 Drill 1:30-1:45 @ 1945 VRIG 1/4 1:45-2:15 Drill 2:15-2:30 @ 2000 Jet #1
2:30-4:45 Drill 4:45-5:00 @ 2166 Jet #2 ADD SWEEP 5:00-7:00 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
2250	2570	Shale	80	30 ⁰⁰⁰	800	Jason Showalter	8
						Bandy Bandy	8
						Standard	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
0'	FT.						
DEC. OFF		Full		(50)		2:15-5:00	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	2	WEIGHT		DRILLING	6 1/4	SIZE D. P.	Get 40
SIZE	7 1/2	VISC.		CORING CON	3/4	SIZE COLL.	SA 2
MAKE	Gx200	WTR. LOSS C.C.		OTHER	1/2	JTS. D. P.	C 1 FT
SERIAL NO.	5165630	FILTER CAKE		REPAIRS		KELLY DOWN	L 1 FT
DEPTH IN	224	PH.		TRIP		COLLARS	1/4 FT
HOURS RUN	37:30	MTL. ADDED (REMARKS)			Jet 20	TOTAL	1/4 FT

REMARKS: 7:00-7:15 @ 2166 Drill 7:15-8:00 @ 2166 Jet #2 8:00-11:00 Drill 2:22

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
2570	2812	Shale	80	40 ⁰⁰⁰	800	Justin Bunting	8
						Chad Mayfield	8
						Chuck Dick	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
0'	FT.						
DEC. OFF		#2 Full, Lead Tank		(50)		Jason Showalter	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	2	WEIGHT		DRILLING	6 1/4	SIZE D. P.	Get-60
SIZE	7 1/2	VISC.		CORING CON	1/2	SIZE COLL.	SA-4
MAKE	Sx200	WTR. LOSS C.C.		OTHER	1/4	JTS. D. P.	C-2 FT
SERIAL NO.	5165630	FILTER CAKE		REPAIRS		KELLY DOWN	L-2 FT
DEPTH IN	224	PH.		TRIP		COLLARS	1/4 FT
HOURS RUN	34 1/2	MTL. ADDED (REMARKS)			Jet 1/2	TOTAL	1/4 FT

REMARKS: 3:00-3:15 @ 2575 3:15-5:30 Drill 5:30-5:45 @ 2637 5:45-7:15 Drill
7:15-8:00 Jet #2 @ 2702 8:00-11:00 Drill

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DAILY DRILLING REPORT

CONTRACTOR: **Discovery Drilling Co Inc** DATE: **SAT 8-8-09**

COMPANY: **Black diamond OIL INC** LEASE: **Green C** WELLS NO: **1** RIG NO: **1**
 DISTRICT: COUNTY: **ROCKS** STATE: **KS** D. R. STRING NO: SIZE:

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES	NAME	HRS.
2812	3051	Shale	80	40000	Mud Jet	Kenny Jones	8
						Dusty ROZAN	8
						John Mehl	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
°	FT.						
DEG. OFF						Tevvy Jones	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT		DRILLING	6 1/4	SIZE D. P.	
SIZE	7 7/8	WISC.		CORING CON	3/4	SIZE COLL.	
MAKE	GX 20C	WTR. LOSS-C.C.		OTHER	V RIG 1/4	JTS. D. P.	FT.
SERIAL NO.	5165630	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	124	PH.		TRIP		COLLARS	FT.
HOURS RUN	40 3/4	MTL. ADDED (REMARKS)		Jet	3/4	TOTAL	FT.

REMARKS: 1100-1130 Drill 1130-1200 @ 2828 CLEANOUT SUCTION 1200-1230 Drilling Displacement 1230-1245 @ 2844 JET (Displaced) 1245-700 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES	NAME	HRS.
3051	3166	Shale + lime	90	40000	900	Kevin Williams	8
						Brandon Bango	8
						Ryan Love Lady	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
°	FT.						
DEG. OFF						S. 17	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT		DRILLING	3 3/4	SIZE D. P.	
SIZE	7 7/8	WISC.		CORING CON	1/2	SIZE COLL.	
MAKE	GX 20C	WTR. LOSS-C.C.		OTHER	1/2	JTS. D. P.	FT.
SERIAL NO.	5165630	FILTER CAKE		REPAIRS	2	KELLY DOWN	FT.
DEPTH IN	324	PH.		TRIP		COLLARS	FT.
HOURS RUN	44 1/2	MTL. ADDED (REMARKS)		Cir	1 3/4	TOTAL	FT.

REMARKS: 7:00 TO 8:15 Drill 8:15 to 9:00 Switch @ 3040 & 8910 9:00 Put New Bit on mud Pump 9:00 to 9:00 to 9:00 Drill 9:00 to 9:00 9:00 to 10:00 Drill 10:00 to 11:00 Drill 11:00 to 12:00 Change Gland Rubbers & Green Rubber pieces out of Red oil lines 2:00 to 2:30 Drill 2:30 to 3:00 Drill 3:00 to 3:16

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES	NAME	HRS.
3166	-	DST #1	3098	3166		Justin Bunting	8
3098	3166	Toronto - OREAD				CHUCK DICK	8
		45-45-				GEORGE LOVELADY	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
°	FT.						
DEG. OFF						STAN LOVELADY	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT		DRILLING		SIZE D. P.	
SIZE	7 7/8	WISC.		CORING		SIZE COLL.	
MAKE	GX 20C	WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	5165630	FILTER CAKE		REPAIRS	1	KELLY DOWN	FT.
DEPTH IN	224	PH.		TRIP	1 3/4	COLLARS	FT.
HOURS RUN	44 1/2	MTL. ADDED (REMARKS)		DST #1	5 1/4	TOTAL	FT.

REMARKS: 3:00-3:45 CFS @ 3166 3:45-4:45 SHORT TRIP 15 MIN 4:45-5:45 CAST 5:45-6:00 Day SNAKE SHOT 6:00-8:00 TRIP OUT w/ BIT - STRAP PIPE - (PLUGGED BIT) 8:00-9:30 MAKE UP TOOL AND ANCHORS 8:30-9:30 TRIP IN w/ DST #1 9:30-11:00 DR w/ DST #1

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DAILY DRILLING REPORT

NEPA 43-5 1000 800 TULSA OK 74101
1 800 311 2290

CONTRACTOR

Discovery Drilling Co INC

DATE

8-11-09

COMPANY

Black diamond oil INC

LEASE

Green C

WELL NO.

RII. NO.

D.P. STRING NO

SIZE

DISTRICT

COUNTY

STATE

ROCKS

KS

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3416	3421	RD Shale & lime/Ark	80	40000	750	Kenny Jones	8
	3422	LTD.				Chad Mayfield	8
						John Mehl	8

SLOPE TEST

ACCIDENT: - (GIVE NAME)

3421 FT.

1/2 DEG. OFF

(7 3/4 HRS Daywork)

(25)

Terry Jones

8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	91	DRILLING	14	SIZE D.P.	
SIZE	7 3/8 DD	VISC.	48	CORING	3 3/4	SIZE COLL.	
MAKE	2000	WTR. LOSS C.C.		OTHER		JTS. D.P.	FT.
SERIAL NO.	516 56 30	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	724	PH.		TRIP	1 3/4	COLLARS	FT.
HOURS RUN	6 5/4	MTL. ADDED (REMARKS)		CIRC	2 1/4	TOTAL	FT.

REMARKS: 155-1145 CIRC 1145-1200 DRILL 1200-1300 CIRC 1300-1315 OUT W/ BIT

3 1/2 780 Logging

(changed oil)

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3421	RD	Arbuckle				Justin Bunting	8
						Cory Adamson	8
						Chuck Dick	8

SLOPE TEST

ACCIDENT: - (GIVE NAME)

15-30 -15-30

DEG. OFF

1757-5 3027-3121 A, B

Run 217 Gps 559 D.I

(8 HRS Daywork)

(25)

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		JTS. 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: 10:30 - 11:30

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3421	RD	Arbuckle				Justin Bunting	8
						Cory Adamson	8
						Chuck Dick	8

SLOPE TEST

ACCIDENT: - (GIVE NAME)

JOB COMPLETE @ 9:45 P.M. 8/11/09

Rig Released @ 9:45 P.M. 8/11/09

(6 1/4 HRS Daywork)

(25)

(25)

STAN LOVELADY

8

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

REMARKS: 3:00-5:15 Lay Down DP. 5:15-6:00 CHANGE PUMP TO RUN 5 1/2" seg. 6:00-7:15 RUN 5 1/2" seg. 7:15-7:45 Circ. 5 1/2" seg. 7:45-9:45 CEMENT 5 1/2" 8 1/2" - 9'5" SET SLIPS. 9:45-11:00 TEAR DOWN

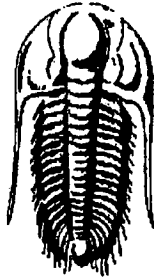
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil, Inc.**
PO Box 641
Hays, Ks 67601

ATTN: Tony Richardson

22-8s-19w Rooks KS

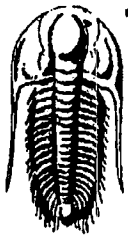
Green C #1

Start Date: 2009.08.08 @ 19:22:53
End Date: 2009.08.09 @ 01:57:38
Job Ticket #: 36029 DST #: 1

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KCC WICHITA

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

Black Diamond Oil, Inc.
Green C #1
22-8s-19w Rooks KS
DST # 1
Oread-Toronto
2009.08.08



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Black Diamond Oil, Inc.

Green C #1

PO Box 641
Hays, Ks 67601

22-8s-19w Rooks KS

Job Ticket: 36029

DST#: 1

ATTN: Tony Richardson

Test Start: 2009.08.08 @ 19:22:53

GENERAL INFORMATION:

Formation: **Oread-Toronto**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:36:38
 Time Test Ended: 01:57:38

Test Type: Conventional Bottom Hole
 Tester: Tyson Flax
 Unit No: 44

Interval: **3098.00 ft (KB) To 3166.00 ft (KB) (TVD)**
 Total Depth: 3166.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1989.00 ft (KB)
 1981.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6719

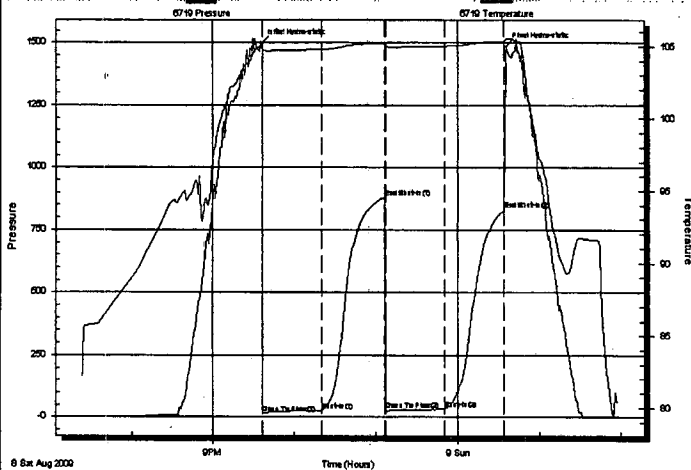
Inside

Press@RunDepth: 31.51 psig @ 3102.00 ft (KB)
 Start Date: 2009.08.08 End Date: 2009.08.09
 Start Time: 19:22:58 End Time: 01:57:37

Capacity: 7000.00 psig
 Last Calib.: 2009.08.09
 Time On Btm: 2009.08.08 @ 21:36:08
 Time Off Btm: 2009.08.09 @ 00:35:07

TEST COMMENT: IFF-Weak 1/2" blow throughout
 IS-no blow back
 FFP-Weak surface blow throughout
 FSI-no blow back

Pressure vs. Time



PRESSURE SUMMARY

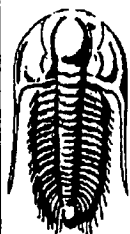
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1496.64	104.97	Initial Hydro-static
1	14.57	104.73	Open To Flow (1)
45	26.19	104.79	Shut-In (1)
91	880.67	105.21	End Shut-In (1)
92	27.18	104.99	Open To Flow (2)
134	31.51	105.02	Shut-In (2)
178	831.44	105.35	End Shut-In (2)
179	1485.66	105.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	OCM 10%O,90%M	0.15
15.00	CO	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Black Diamond Oil, Inc.

Green C #1

PO Box 641
Hays, Ks 67601

22-8s-19w Rooks KS

Job Ticket: 36029

DST#: 1

ATTN: Tony Richardson

Test Start: 2009.08.08 @ 19:22:53

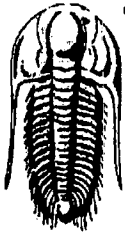
Tool Information

Drill Pipe:	Length: 3077.00 ft	Diameter: 3.82 inches	Volume: 43.62 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 43.77 bbl</u>	Tool Chased:	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	56000.00 lb
Depth to Top Packer:	3098.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	68.00 ft				
Tool Length:	89.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3078.00	
Shut In Tool	5.00			3083.00	
Hydraulic tool	5.00			3088.00	
Packer	5.00			3093.00	21.00 Bottom Of Top Packer
Packer	5.00			3098.00	
Stubb	1.00			3099.00	
Perforations	2.00			3101.00	
Change Over Sub	1.00			3102.00	
Recorder	0.00	6719	Inside	3102.00	
Recorder	0.00	6669	Inside	3102.00	
Blank Spacing	32.00			3134.00	
Change Over Sub	1.00			3135.00	
Perforations	28.00			3163.00	
Bullnose	3.00			3166.00	68.00 Bottom Packers & Anchor
Total Tool Length:	89.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Black Diamond Oil, Inc.

Green C #1

PO Box 641
Hays, Ks 67601

22-8s-19w Rooks KS

Job Ticket: 36029

DST#: 1

ATTN: Tony Richardson

Test Start: 2009.08.08 @ 19:22:53

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

18 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.76 in³

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: ohm.m

Salinity: 1800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	OCM 10%O,90%M	0.148
15.00	CO	0.213

Total Length: 45.00 ft Total Volume: 0.361 bbl

Num Fluid Samples: 0

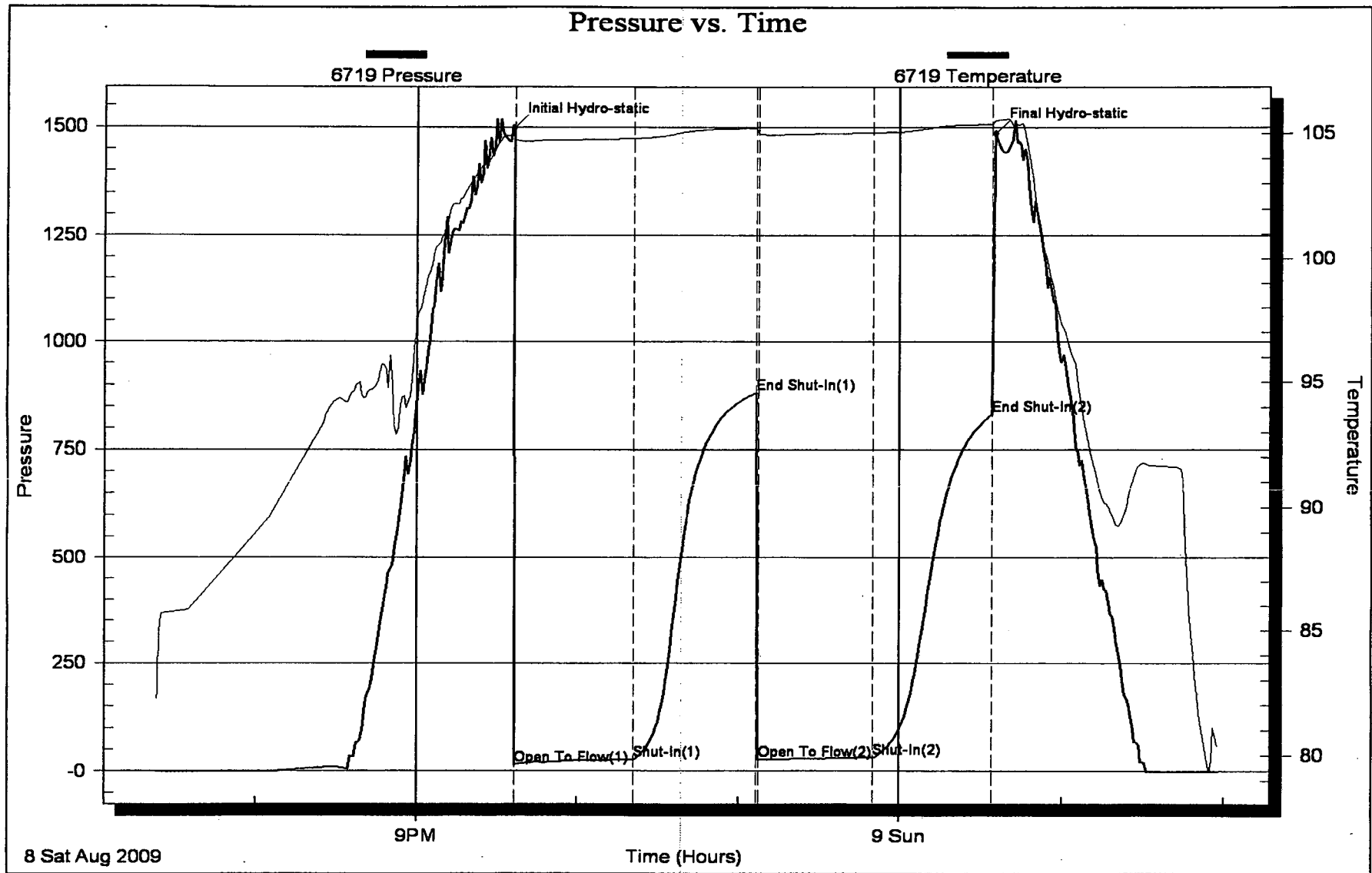
Num Gas Bombs: 0

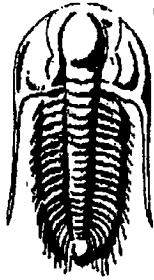
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil, Inc.**

PO Box 641
Hays, Ks 67601

ATTN: Tony Richardson

22-8s-19w Rooks KS

Green. C #1

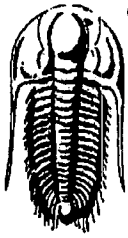
Start Date: 2009.08.09 @ 09:05:31

End Date: 2009.08.09 @ 14:31:01

Job Ticket #: 36030 DST #: 2

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

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Black Diamond Oil, Inc.

Green C #1

PO Box 641
Hays, Ks 67601

22-8s-19w Rooks KS

Job Ticket: 36030

DST#: 2

ATTN: Tony Richardson

Test Start: 2009.08.09 @ 09:05:31

GENERAL INFORMATION:

Formation: **LKC "A-C"**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 10:52:31

Time Test Ended: 14:31:01

Test Type: **Conventional Bottom Hole**

Tester: **Tyson Flax**

Unit No: **44**

Interval: **3162.00 ft (KB) To 3224.00 ft (KB) (TVD)**

Total Depth: **3224.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1989.00 ft (KB)**

1981.00 ft (CF)

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

Serial #: 6669

Inside

Press@RunDepth: **122.79 psig @ 3166.00 ft (KB)**

Start Date: **2009.08.09**

End Date:

2009.08.09

Start Time: **09:05:32**

End Time:

14:31:01

Capacity: **7000.00 psig**

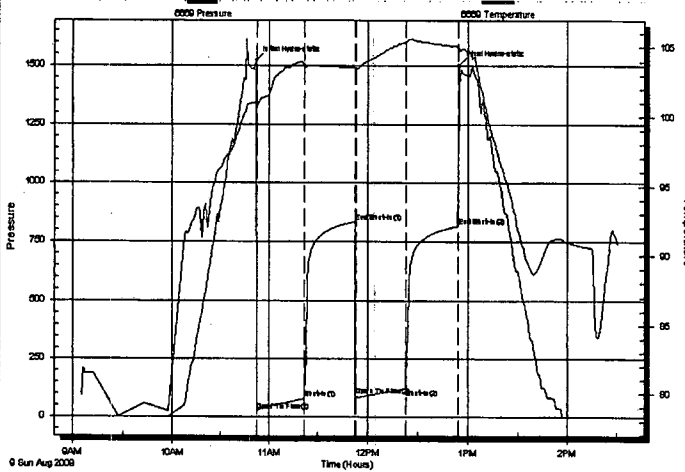
Last Calib.: **2009.08.09**

Time On Btm: **2009.08.09 @ 10:52:01**

Time Off Btm: **2009.08.09 @ 12:54:46**

TEST COMMENT: IFP-BOB in 21 min
IS-no blow back
FFP-Weak blow built to 9"
FSI-no blow back

Pressure vs. Time



PRESSURE SUMMARY

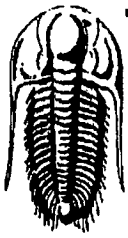
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1521.64	101.06	Initial Hydro-static
1	26.51	100.77	Open To Flow (1)
30	80.45	103.73	Shut-In (1)
61	834.26	103.52	End Shut-In (1)
61	94.12	103.36	Open To Flow (2)
92	122.79	105.39	Shut-In (2)
122	815.73	105.07	End Shut-In (2)
123	1504.44	104.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MW 80%W,20%M	1.42
60.00	WMw / scum of oil 30%W,70%M	0.85
45.00	SOCWM 10%O,20%W,70%M	0.64

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Black Diamond Oil, Inc.

Green C #1

PO Box 641
Hays, Ks 67601

22-8s-19w Rooks KS

Job Ticket: 36030

DST#: 2

ATTN: Tony Richardson

Test Start: 2009.08.09 @ 09:05:31

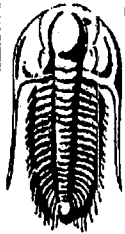
Tool Information

Drill Pipe:	Length: 3141.00 ft	Diameter: 3.82 inches	Volume: 44.52 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 44.67 bbl</u>	Tool Chased	3.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	57000.00 lb
Depth to Top Packer:	3162.00 ft			Final	59000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	62.00 ft				
Tool Length:	83.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3142.00	
Shut In Tool	5.00			3147.00	
Hydraulic tool	5.00			3152.00	
Packer	5.00			3157.00	21.00 Bottom Of Top Packer
Packer	5.00			3162.00	
Stubb	1.00			3163.00	
Perforations	2.00			3165.00	
Change Over Sub	1.00			3166.00	
Recorder	0.00	6719	Inside	3166.00	
Recorder	0.00	6669	Inside	3166.00	
Blank Spacing	31.00			3197.00	
Change Over Sub	1.00			3198.00	
Perforations	23.00			3221.00	
Bullnose	3.00			3224.00	62.00 Bottom Packers & Anchor

Total Tool Length: 83.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Black Diamond Oil, Inc.

Green C #1

PO Box 641
Hays, Ks 67601

22-8s-19w Rooks KS

Job Ticket: 36030

DST#: 2

ATTN: Tony Richardson

Test Start: 2009.08.09 @ 09:05:31

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:

32000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MW 80%W,20%M	1.423
60.00	WMw/ scum of oil 30%W,70%M	0.851
45.00	SOCWM 10%O,20%W,70%M	0.638

Total Length: 225.00 ft Total Volume: 2.912 bbl

Num Fluid Samples: 0

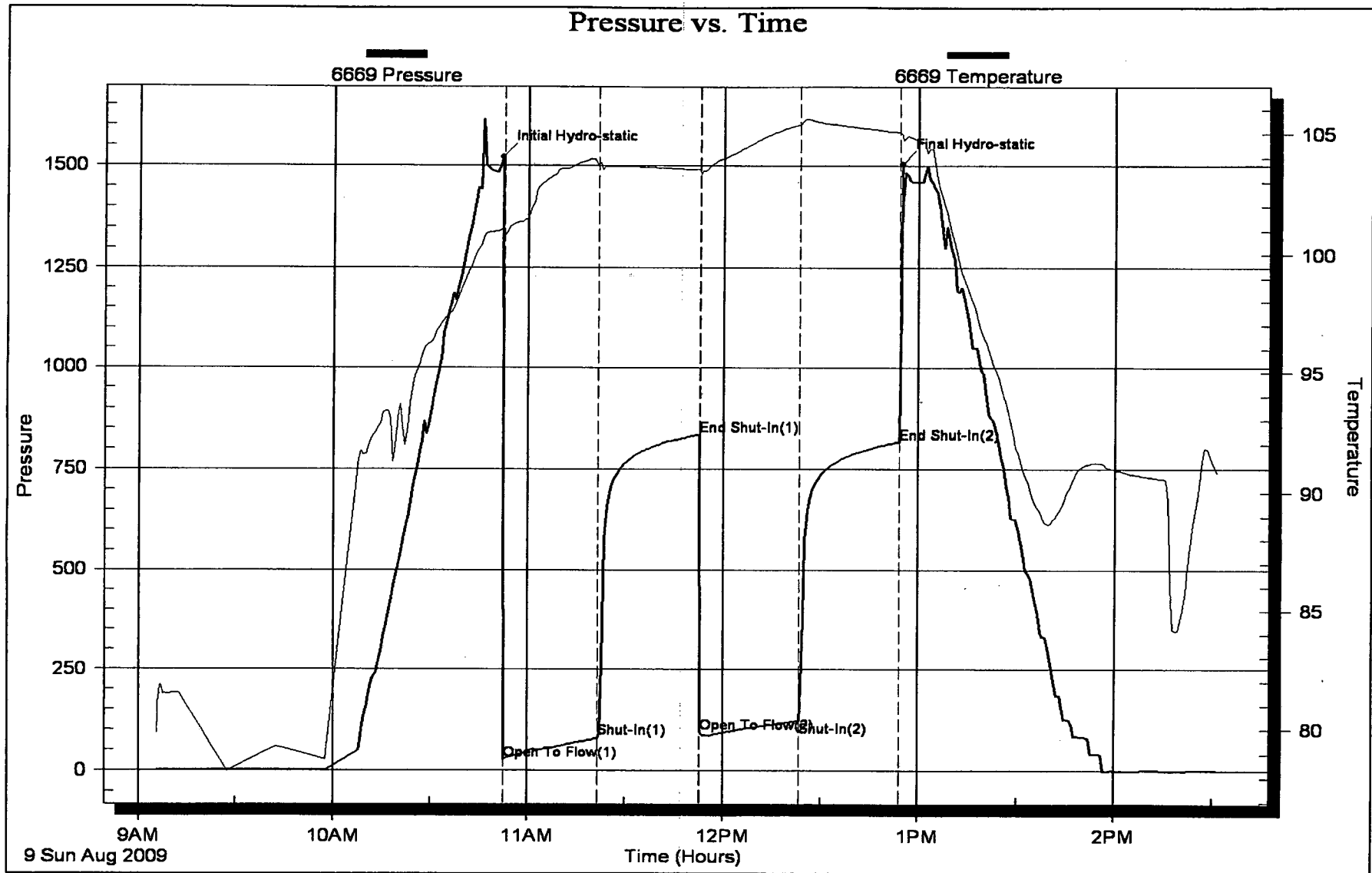
Num Gas Bombs: 0

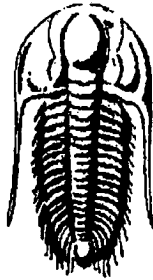
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .16 @ 90F = 32000 ppm chlorides





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil, Inc.**

PO Box 641
Hays, Ks 67601

ATTN: Tony Richardson

22-8s-19w Rooks KS

Green C #1

Start Date: 2009.08.09 @ 22:39:36

End Date: 2009.08.10 @ 03:23:06

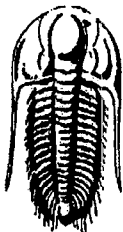
Job Ticket #: 36031 DST #: 3

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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.

Green C #1

PO Box 641
Hays, Ks 67601

22-8s-19w Rooks KS

Job Ticket: 36031 DST#: 3

ATTN: Tony Richardson

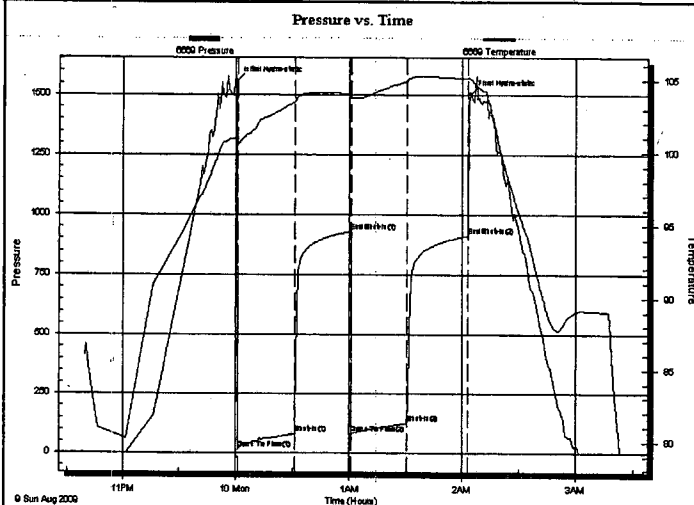
Test Start: 2009.08.09 @ 22:39:36

GENERAL INFORMATION:

Formation: **LKC "D-F"**
 Deviated: **No** Whipstock: ft (KB)
 Time Tool Opened: 00:01:21
 Time Test Ended: 03:23:06
 Interval: **3219.00 ft (KB) To 3263.00 ft (KB) (TVD)**
 Total Depth: **3263.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole**
 Tester: **Tyson Flax**
 Unit No: **44**
 Reference Elevations: **1989.00 ft (KB)**
 1981.00 ft (CF)
 KB to GR/CF: **8.00 ft**

Serial #: 6669 **Inside**
 Press@RunDepth: **126.24 psig @ 3223.00 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2009.08.09** End Date: **2009.08.10** Last Calib.: **2009.08.10**
 Start Time: **22:39:37** End Time: **03:23:06** Time On Btm: **2009.08.10 @ 00:00:51**
 03:23:06 Time Off Btm: **2009.08.10 @ 02:04:21**

TEST COMMENT: IFF-BOB in 23 min
 ISI-no blow back
 FFP-BOB in 28 min
 FSI-no blow back



PRESSURE SUMMARY

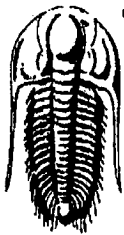
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1557.77	101.04	Initial Hydro-static
1	17.46	100.68	Open To Flow (1)
31	83.60	103.50	Shut-In (1)
60	929.77	104.07	End Shut-In (1)
60	83.53	103.85	Open To Flow (2)
90	126.24	104.92	Shut-In (2)
123	913.05	105.13	End Shut-In (2)
124	1505.32	105.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MW 70%W,30%M	0.57
120.00	MW 50%W,50%M	1.70
50.00	WM w/scum of oil 20%W,80%M	0.71

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Black Diamond Oil, Inc.

Green C #1

PO Box 641
Hays, Ks 67601

22-8s-19w Rooks KS

Job Ticket: 36031

DST#: 3

ATTN: Tony Richardson

Test Start: 2009.08.09 @ 22:39:36

Tool Information

Drill Pipe:	Length: 3171.00 ft	Diameter: 3.82 inches	Volume: 44.95 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume:	45.10 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	3219.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	65.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3199.00	
Shut In Tool	5.00			3204.00	
Hydraulic tool	5.00			3209.00	
Packer	5.00			3214.00	21.00 Bottom Of Top Packer
Packer	5.00			3219.00	
Stubb	1.00			3220.00	
Perforations	2.00			3222.00	
Change Over Sub	1.00			3223.00	
Recorder	0.00	6719	Inside	3223.00	
Recorder	0.00	6669	Inside	3223.00	
Blank Spacing	31.00			3254.00	
Change Over Sub	1.00			3255.00	
Perforations	5.00			3260.00	
Bullnose	3.00			3263.00	44.00 Bottom Packers & Anchor

Total Tool Length: 65.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Black Diamond Oil, Inc.

Green C #1

PO Box 641
Hays, Ks 67601

22-8s-19w Rooks KS

Job Ticket: 36031

DST#: 3

ATTN: Tony Richardson

Test Start: 2009.08.09 @ 22:39:36

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 8.77 in³

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity: 40000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MW 70%W,30%M	0.573
120.00	MW 50%W,50%M	1.701
50.00	WMw /scum of oil 20%W,80%M	0.709

Total Length: 230.00 ft Total Volume: 2.983 bbl

Num Fluid Samples: 0

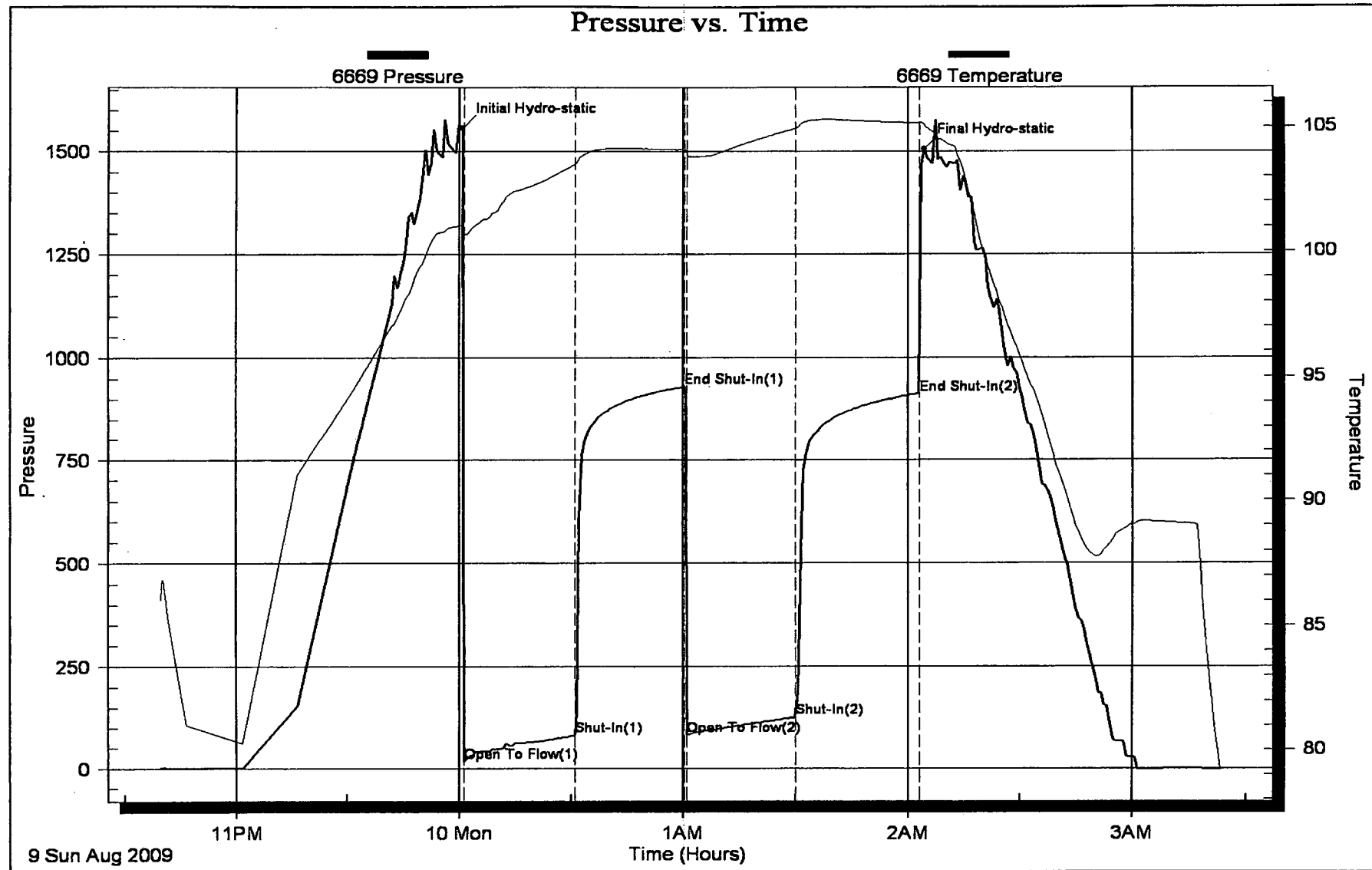
Num Gas Bombs: 0

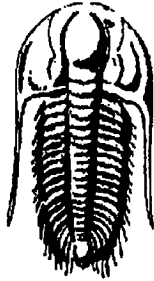
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .19 @ 68F 40000 ppm chlorides





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil, Inc.**

PO Box 641
Hays, Ks 67601

ATTN: Tony Richardson

22-8s-19w Rooks KS

Green C #1

Start Date: 2009.08.10 @ 14:57:53

End Date: 2009.08.10 @ 18:46:53

Job Ticket #: 36032 DST #: 4

RECEIVED

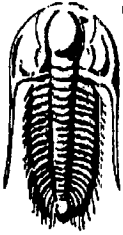
NOV 12 2009

KCC WICHITA

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.

Green C #1

PO Box 641
Hays, Ks 67601

22-8s-19w Rooks KS

Job Ticket: 36032

DST#: 4

ATTN: Tony Richardson

Test Start: 2009.08.10 @ 14:57:53

GENERAL INFORMATION:

Formation: **LKC "K-L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:27:08

Time Test Ended: 18:46:53

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 44

Interval: **3344.00 ft (KB) To 3385.00 ft (KB) (TVD)**

Reference Elevations: 1989.00 ft (KB)

Total Depth: 3385.00 ft (KB) (TVD)

1981.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6669

Inside

Press@RunDepth: 21.81 psig @ 3348.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2009.08.10

End Date:

2009.08.10

Last Calib.: 2009.08.10

Start Time: 14:57:54

End Time:

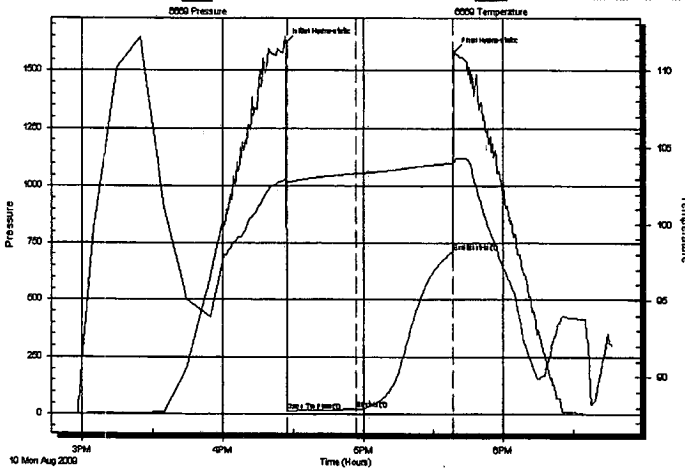
18:46:53

Time On Btm: 2009.08.10 @ 16:26:38

Time Off Btm: 2009.08.10 @ 17:39:23

TEST COMMENT: IFF-Weak surface blow died in 15 min
IS- no blow back
FFP-pulled test
FSI-

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1620.06	103.05	Initial Hydro-static
1	15.25	102.73	Open To Flow (1)
30	21.81	103.34	Shut-In(1)
72	712.04	104.01	End Shut-In(1)
73	1581.76	104.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	SOCM 5%O,95%M	0.00

Gas Rates

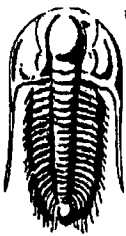
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Sumar Scheck

From: Larry Schaffer [ljschaf@yahoo.com]
Sent: Friday, August 21, 2009 8:39 AM
To: DOROTHY BEMIS; DAN J EGELAND; DON & LOA FINOPP; BILL FREIBERG; greg ice; JACK O'LEARY; LARRY SCHAFFER; SHANE SCHAFFER; FRANK SCHULTE; PAUL SIMPSON; GAYLARD UNRUH; DARRELL WERTH; DAVE BEAGLEY; DON KARST WELL SERVICE; BRAD HUTCHISON; RICHARD KILIAN; RANDY KILIAN; RENAE KILIAN; RICK KILIAN; G M KRUG; MAURICE KRUG; JIM MALCOLM; NORTON; KURT NUSS; BRIAN PEAK; PAUL WOHL
Subject: Fw: Krug #1 MOVING ON SATURDAY

--- On Thu, 8/20/09, Southwind Drilling <southwind@embarqmail.com> wrote:

> From: Southwind Drilling <southwind@embarqmail.com>
> Subject: Krug #1
> To: "Larry Schaffer" <ljschaf@yahoo.com>
> Date: Thursday, August 20, 2009, 9:04 AM
>
>
>
>
>
>
>
> We will be moving to to
> this location on
> Saturday.
>
>
> Renee Kasselmann
> Southwind Drilling, Inc.
> 8
> North Main
> Ellinwood, KS 67526
> 620-564-3800
>
>



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Black Diamond Oil, Inc.

Green C #1

PO Box 641
Hays, Ks 67601

22-8s-19w Rooks KS

Job Ticket: 36032

DST#: 4

ATTN: Tony Richardson

Test Start: 2009.08.10 @ 14:57:53

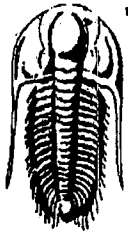
Tool Information

Drill Pipe:	Length: 3296.00 ft	Diameter: 3.82 inches	Volume: 46.72 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 46.87 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3344.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	62.00 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			3324.00	
Shut in Tool	5.00			3329.00	
Hydraulic tool	5.00			3334.00	
Packer	5.00			3339.00	21.00 Bottom Of Top Packer
Packer	5.00			3344.00	
Stubb	1.00			3345.00	
Perforations	2.00			3347.00	
Change Over Sub	1.00			3348.00	
Recorder	0.00	6719	Inside	3348.00	
Recorder	0.00	6669	Inside	3348.00	
Blank Spacing	31.00			3379.00	
Change Over Sub	1.00			3380.00	
Perforations	2.00			3382.00	
Bullnose	3.00			3385.00	41.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Black Diamond Oil, Inc.

Green C #1

PO Box 641
Hays, Ks 67601

22-8s-19w Rooks KS

Job Ticket: 36032

DST#: 4

ATTN: Tony Richardson

Test Start: 2009.08.10 @ 14:57:53

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: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	SOCM5%O,95%M	0.005

Total Length: 1.00 ft

Total Volume: 0.005 bbl

Num Fluid Samples: 0

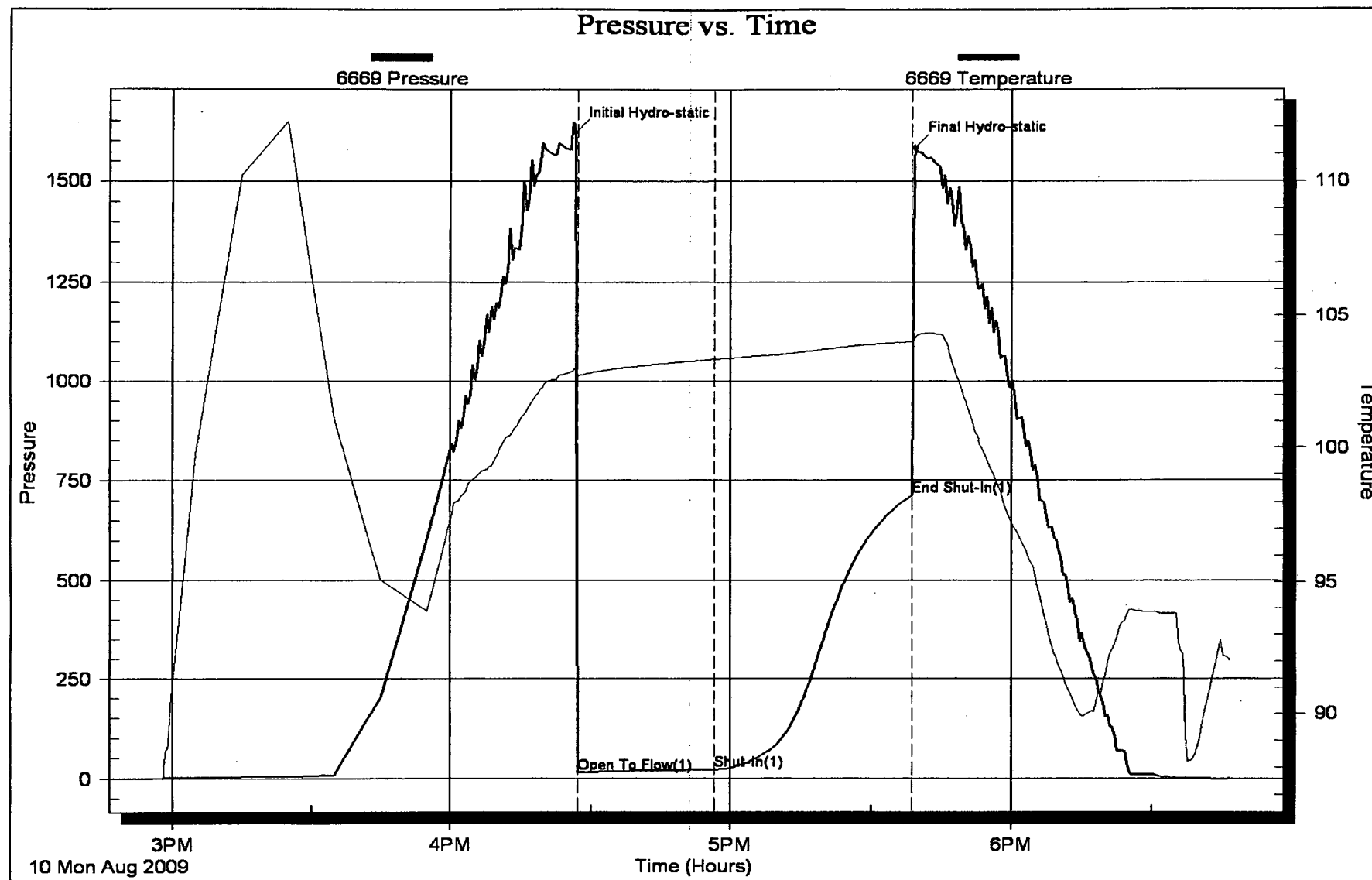
Num Gas Bombs: 0

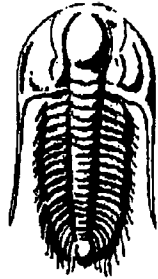
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil, Inc.**

PO Box 641
Hays, Ks 67601

ATTN: Tony Richardson

22-8s-19w Rooks KS

Green C #1

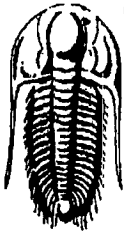
Start Date: 2009.08.11 @ 06:50:04

End Date: 2009.08.11 @ 11:34:19

Job Ticket #: 36033 DST #: 5

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

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NOV 12 2009
KCC WICHITA



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Black Diamond Oil, Inc.

Green C #1

PO Box 641
Hays, Ks 67601

22-8s-19w Rooks KS

Job Ticket: 36033

DST#: 5

ATTN: Tony Richardson

Test Start: 2009.08.11 @ 06:50:04

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:13:19

Time Test Ended: 11:34:19

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 44

Interval: **3367.00 ft (KB) To 3421.00 ft (KB) (TVD)**

Reference Elevations: 1989.00 ft (KB)

Total Depth: 3421.00 ft (KB) (TVD)

1981.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: **6719**

Inside

Press@RunDepth: 233.07 psig @ 3371.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2009.08.11

End Date:

2009.08.11

Last Calib.: 2009.08.11

Start Time: 06:50:09

End Time:

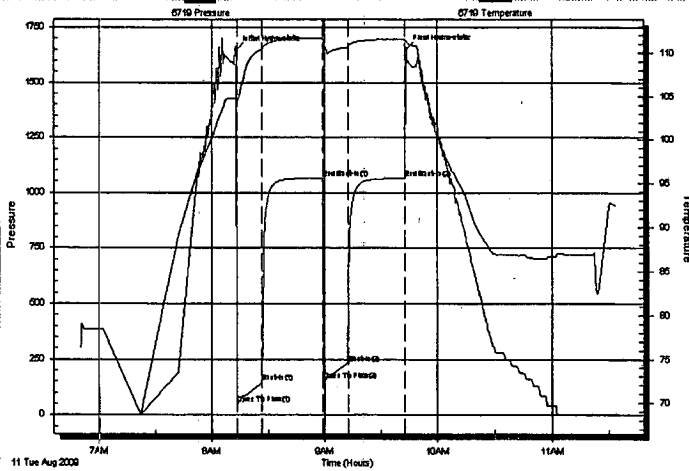
11:34:18

Time On Btm: 2009.08.11 @ 08:12:49

Time Off Btm: 2009.08.11 @ 09:43:34

TEST COMMENT: IFF-BOB in 3.5 min
ISI-Weak blow back built to 3"
FFP-BOB in 3 min
FSI-Weak surface blow back built to 1"

Pressure vs. Time



PRESSURE SUMMARY

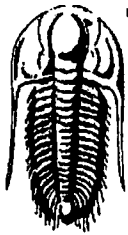
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1647.96	104.88	Initial Hydro-static
1	49.21	104.61	Open To Flow (1)
14	145.98	110.41	Shut-In(1)
47	1065.27	111.60	End Shut-In(1)
47	157.69	111.35	Open To Flow (2)
60	233.07	110.60	Shut-In(2)
90	1064.48	111.53	End Shut-In(2)
91	1653.10	111.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MCO 70%O,30%M	1.42
450.00	CO	6.38
0.00	90' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Black Diamond Oil, Inc.

Green C #1

PO Box 641
Hays, Ks 67601

22-8s-19w Rooks KS

Job Ticket: 36033

DST#: 5

ATTN: Tony Richardson

Test Start: 2009.08.11 @ 06:50:04

Tool Information

Drill Pipe:	Length: 3328.00 ft	Diameter: 3.82 inches	Volume: 47.18 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume:	47.33 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3367.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	75.00 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			3347.00	
Shut In Tool	5.00			3352.00	
Hydraulic tool	5.00			3357.00	
Packer	5.00			3362.00	21.00 Bottom Of Top Packer
Packer	5.00			3367.00	
Stubb	1.00			3368.00	
Perforations	2.00			3370.00	
Change Over Sub	1.00			3371.00	
Recorder	0.00	6719	Inside	3371.00	
Recorder	0.00	6669	Inside	3371.00	
Blank Spacing	31.00			3402.00	
Change Over Sub	1.00			3403.00	
Perforations	15.00			3418.00	
Bullnose	3.00			3421.00	54.00 Bottom Packers & Anchor

Total Tool Length: 75.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Black Diamond Oil, Inc.

Green C #1

PO Box 641
Hays, Ks 67601

22-8s-19w Rooks KS

Job Ticket: 36033

DST#: 5

ATTN: Tony Richardson

Test Start: 2009.08.11 @ 06:50:04

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

23 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MCO 70%O,30%M	1.423
450.00	CO	6.379
0.00	90' GIP	0.000

Total Length: 570.00 ft

Total Volume: 7.802 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

