



KANSAS CORPORATION COMMISSION 1090090  
OIL & GAS CONSERVATION DIVISION

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: PO BOX 641  
Address 2: \_\_\_\_\_  
City: HAYS State: KS Zip: 67601 + 0641  
Contact Person: Kenneth Vehige  
Phone: ( 785 ) 625-5891  
CONTRACTOR: License # 31548  
Name: Discovery Drilling  
Wellsite Geologist: Jeff Lawler  
Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SLOW
- 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 #: \_\_\_\_\_

5/15/2012    5/20/2012    5/21/2012  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 15-147-20679-00-00

Spot Description: \_\_\_\_\_  
SW NE SE SW Sec. 29 Twp. 3 S. R. 20  East  West  
930 Feet from  North /  South Line of Section  
2080 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Phillips

Lease Name: Thomas Well #: 1

Field Name: Wilcat

Producing Formation: None

Elevation: Ground: 2202 Kelly Bushing: 2206

Total Depth: 3761 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 220 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 11000 ppm Fluid volume: 320 bbls

Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: Deanna Garrison Date: 08/15/2012



1090090

Operator Name: Black Diamond Oil, Inc. Lease Name: Thomas Well #: 1  
 Sec. 29 Twp. 3 S. R. 20  East  West County: Phillips

**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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:  Micro, Dual Induction, Density/Neutron	<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>1860</td> <td>346</td> </tr> <tr> <td>Topeka</td> <td>3213</td> <td>-1007</td> </tr> <tr> <td>Heebner</td> <td>3422</td> <td>-1216</td> </tr> <tr> <td>LKC</td> <td>3465</td> <td>-1259</td> </tr> </tbody> </table>	Name	Top	Datum	Anhydrite	1860	346	Topeka	3213	-1007	Heebner	3422	-1216	LKC	3465	-1259
Name	Top	Datum														
Anhydrite	1860	346														
Topeka	3213	-1007														
Heebner	3422	-1216														
LKC	3465	-1259														

CASING RECORD <input checked="" 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	12.25	8.625	23	220	Common	150	2%Gel&3%CC

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD	-			
___ Plug Off Zone	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method:
	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____

Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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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. **657**

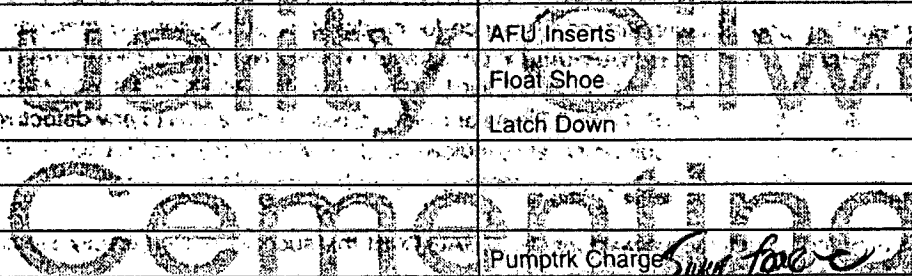
Date	Sec.	Twp.	Range	County	State	On Location	Finish
5-16-12	29	3	20	Phillips	KS		4 45pm
Lease	Well No.	Location					
Thomas		Logan 622 New 2122					

Contractor	Owner
Seaver #1	To Quality Oilwell Cementing, Inc. must be supervised and furnished by owner or contractor to do work as listed.
Type Job	(You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.)
Surface	

Hole Size	T.D.	Charge To
12 1/4	221	Black Diamond
Csg.	Depth	To
8 5/8	220	Black Diamond
Tbg. Size	Depth	Street
Tool	Depth	City
Cement Left in Csg.	Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.
5 1/2 csg		
Meas Line	Displace	Cement Amount Ordered
	133C	150 com 30/60 2 1/2 lb

### EQUIPMENT

Pumptrk	No.	Cement Helper	Common
9		Matt	150
Bulktrk	No.	Driver	Roz. Mix
		Mike	
Bulktrk	No.	Driver	Gel. Mix
13		Mike	3
JOB SERVICES & REMARKS			
Remarks	Hull Salt		
	Salt		
Rat Hole	Flowseal		
	Kol-Seal		
Mouse Hole	Mud CLR 48		
	CFL-117 or CD110 CAF-38		
Centralizers	Sand		
	Handling		
Baskets	Mileage		
	FLOAT EQUIPMENT		
D/V or Port Collar	Guide Shoe		
	Centralizer		
8 5/8 Ben Bottom Best Circulation Mix	Baskets		
150.5 csg Displace	AFU Inserts		
Cement (Circulator)	Float Shoe		
	Latch Down		



Pumptrk Charge	Surface
Mileage	6.9
Tax	
Discount	
Total Charge	

*Phil Marshall*

DAILY DRILLING REPORT  
 NUMBER 43-5  
 002 800 TULSA OK 74101  
 1-800-331-7250

CONTRACTOR: **Discovery Drilling CO INC.**

DATE: **MON. 5-21-12**

COMPANY: **Black diamond oil INC**  
 LEASE: **THOMAS**  
 DISTRICT: **Phillips**  
 COUNTY: **KS**

WELL NO. **1**  
 RIG NO. **1**  
 D. P. STRING NO. **1**  
 SIZE **1**

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
	3761	RTD				Kenny Jones	8
	3761	LTD				Mike Bollev	8
						Casey Jones	8

ACCIDENT: -  
 (GIVE NAME) **DST #2 3480-3544**  
 @ **30-30-30 Rec: 30' mud**  
 DEG. OFF **(8. HS Layover) (15) Terry Jones**

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT		LOGGING	1 1/2	SIZE D. P.	
SIZE	7 3/8 RA	VISC.		CORING		SIZE COLL.	
MAKE	6x2 OC	WTR. LOSS-C.C.		OTHER	DST #2 5 1/2	JTS. D. P.	FT.
SERIAL NO.	5204714	FILTER CAKE		REPAIRS	WOT 1 1/2	KELLY DOWN	FT.
DEPTH IN	22'	PH.		TRIP	WOT 1 1/2	COLLARS	FT.
HOURS RUN	5 1/2	MTL. ADDED (REMARKS)		TOTAL		TOTAL	FT.

REMARKS: 1100-1230 Logging 1230-100 WOT 100-145 make up tool 145-245 in tool  
 245-445 stop 445-600 out of tool 600-630 break lay tool down 630-700 WOT

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
	3761	RTD				Larry Mlinak	8
						Justin Bunting	8
						Andrew Benedick	8

ACCIDENT: -  
 (GIVE NAME) **(534 HS Layover) 2 Syl Pump**  
 @ **22'**  
 DEG. OFF

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT		DRILLING		SIZE D. P.	
SIZE	7 3/8 RA	VISC.		CORING		SIZE COLL.	
MAKE	6x2 OC	WTR. LOSS-C.C.		OTHER	Plug Hole 5 1/2	JTS. D. P.	FT.
SERIAL NO.	5204714	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	22'	PH.		TRIP		COLLARS	FT.
HOURS RUN	5 1/2	MTL. ADDED (REMARKS)		TOTAL	Teardown 2 1/2	TOTAL	FT.

REMARKS: 900-1000 T.J.S. LAPP 1000-1030 T.J.S. LAPP 1030-1045 1st Plug  
 1045-1245 Plug (Log Record @ 1245) 1245-630 Rig Down

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.

ACCIDENT: -  
 (GIVE NAME) **3**  
 @ **1** FT.  
 DEG. 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		TOTAL	FT.

REMARKS:

DAILY DRILLING REPORT

CONTRACTOR **DISCOVERY Drilling Co. INC** DATE **5-20-12**

COMPANY **Black Diamond Oil Inc** LEASE **THOMAS** WELL NO. **1** RIG NO. **1**

DISTRICT **Phillips** COUNTY **KS** D. P. STRING NO. **1** SIZE **1**

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3630		Line	80	40000	800	Kenny James	8
						Mike Bolter	8
						Casey James	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
°	FT.	30-30-30-30					
DEG. OFF		10' mud				Jenny Jones	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT		DRILLING		SIZE D. P.	
SIZE	7 3/8 RR	VISC.		CORING		SIZE COLL.	
MAKE	GX 20C	WTR. LOSS-C.C.		OTHER	OSTM 734	JTS. D. P.	FT.
SERIAL NO.	5204714	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	221	PH.		TRIP		COLLARS	FT.
HOURS RUN	4 1/2	MTL. ADDED (REMARKS)			Circ 1/4	TOTAL	FT.

REMARKS: 1100-1200 OUT W/BIT 1200-1215 MAKE UP TOOL 1215-1245 W/BIT TOOL 145-145 TO B 345-500 OUT W/BIT TOOL 500-515 Break Lay Tool Down 515-645 IN W/BIT 645-700

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3636	3761	Shale time	80	40000	800	Chuck Dick	8
						Justin Bunting	8
						Andrew Benedick	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
°	FT.						
DEG. OFF						Stan Rome	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	9.3	DRILLING	5	SIZE D. P.	100-Hulls
SIZE	7 3/8 RB	VISC.	80	CORING	1/4	SIZE COLL.	1-Lig
MAKE	GX 20C	WTR. LOSS-C.C.	8.0	OTHER	✓	JTS. D. P.	
SERIAL NO.	5204714	FILTER CAKE	1/32	REPAIRS		KELLY DOWN	FT.
DEPTH IN	221	PH.	10.5	TRIP	1/4	COLLARS	FT.
HOURS RUN	5 1/2	MTL. ADDED (REMARKS)			CER 2 3/4	TOTAL	FT.

REMARKS: 7:00 TO 7:45 CAT, 7:45 TO 8:00 Set Rig, 8:00 TO 9:15 Di 1, 9:15 TO 10:00 Trip out of old 3467 Progress, 10:00 to 1:00 Drill, 1:00 TO 2:00 CFS @ 3761, 2:00 TO 2:15 DYL, 2:15 TO 2:45 CFS 2:45 TO 3:00 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3761	RTD				800	CHUCK DICK	8
3761	LTD	SUPERIOR LOGGERS				GEORGE LOVELADY	8
						RYAN 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 RR	VISC.		CORING	Circ 2 1/2	SIZE COLL.	
MAKE	GX 20C	WTR. LOSS-C.C.		OTHER	SHORT TRIP 3/4	JTS. D. P.	FT.
SERIAL NO.	5204714	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	221	PH.		TRIP	OUT W/BIT 1 1/2	COLLARS	FT.
HOURS RUN	5 1/2	MTL. ADDED (REMARKS)			LOGGING 3 1/4	TOTAL	FT.

REMARKS: 3:00-4:00 CFS @ 3761' 4:00-4:45 SHORT TRIP 10 STANDS 4:45-6:15 CAST 6:15-7:45 Trip out w/BIT 7:45-11:00 Logging

(CHANGE OIL + FILTERS IN DWCS + PUMP MOPS)

DAILY DRILLING REPORT

CONTRACTOR  
 43-5 BOX 800, TULSA OK 74101  
 1-800-331-7290

COMPANY

Black Diamond OIL INC

DISTRICT

CONTRACTOR

Discovery Drilling Co. INC  
 LEASE THOMAS

COUNTY

Phillips

STATE

KS

DATE

Sat.

WELL NO. S-19-12

RIG NO.

D. P. STRING NO.

SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3233	3445	Shale & Lime	80	40000	800	Kenny Jones	8
						mike Boller	8
						Casey Jones	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
@	FT.						
DEG. OFF						(114) Terry Jones	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	9.0	DRILLING	7 1/4	SIZE D. P.	
SIZE	7 7/8	VISC.	60	CORING	CONN 1/2	SIZE COLL.	
MAKE	GX200	WTR. LOSS-C.C.		OTHER	VRIG 1/4	JTS. D. P.	FT.
SERIAL NO.	5204714	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	2.21	PH.		TRIP		COLLARS	FT.
HOURS RUN	4 1/2	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 1100-1200 Drill 1200-1215 @ 3260 VRIG 1215-700 Dn 11

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3445	3595	Shale & lime	80	40000	810	Larry Mlinak	8
						Justin Bunting	8
						Andrew Benedick	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
@	FT.						
DEG. OFF						(34 HR Day work) (114) Sy/Rome	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	9.1	DRILLING	6 1/2	SIZE D. P.	
SIZE	7 3/8	VISC.	64	ADDMG	1/2	SIZE COLL.	
MAKE	GX200	WTR. LOSS-C.C.	8.0	DEMR	1/4	JTS. D. P.	FT.
SERIAL NO.	5204714	FILTER CAKE	1/3 2	REPAIRS		KELLY DOWN	FT.
DEPTH IN	2.21	PH.	10.5	TRIP		COLLARS	FT.
HOURS RUN	4 1/2	MTL. ADDED (REMARKS)		Cir	3/4	TOTAL	FT.

REMARKS: 7:00 TO 7:15 Ser Rig, @ 3449, 7:15 TO 11:15 Drill, 11:15 TO 12:00 CES @ 3535, 12:00 TO 3:00 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3595	3636	SHALE + Lime	80	40,000	800	CHUCK DICK	8
						GEORGE LOVELADY	8
						ANDREW BENEDICK	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
@	FT.						
DEG. OFF						(16 HRS Day work) (114) STAN LOVELADY	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	9.1	DRILLING	1 1/2	SIZE D. P.	
SIZE	7 7/8	VISC.	60+	CORING	CONN 1/4	SIZE COLL.	
MAKE	GX200	WTR. LOSS-C.C.		OTHER	Rig	JTS. D. P.	FT.
SERIAL NO.	5204714	FILTER CAKE		REPAIRS	Circ	KELLY DOWN	FT.
DEPTH IN	2.21	PH.		TRIP	2 3/4	COLLARS	FT.
HOURS RUN	4 1/2	MTL. ADDED (REMARKS)		DST #1	3/4	TOTAL	FT.

REMARKS: 3:00-3:15 DRlg, 3:15-3:30 Rig @ 3604' 3:30-5:00 DRlg, 5:00-5:30 CES @ 3636' 5:30-8:15 SHORT TRIP 40 STANDS 8:15-10:15 CAST 10:15-11:00 TRIP OUT w/RIG FOR DST #1

PRINTED IN U.S.A.

APPROVED

TOOL  
PUSHER

DAILY DRILLING REPORT

CONTRACTOR DATE  
 43-5 BOX 800 TULSA OK 74101  
 1-800-331-7290

CONTRACTOR DATE  
 Discovery Drilling Co. Inc 5-18-12  
 Fri.  
 COMPANY LEASE WELL NO. RIG NO.  
 Blackdiamond Oil Inc THOMAS 1 1  
 DISTRICT COUNTY STATE D. P. STRING NO. SIZE  
 PHILLIPS KS

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
2275	2655	Shale	80	40000	800	Kenny Jones	8
						Mike Bolter	8
						Casey Jones	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
°	FT.						
DEG. OFF		FVAC FULL 1 For 2				(114) Terry Jones	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	9.3	DRILLING	6 1/4	SIZE D. P.	6 1/2 50
SIZE	7 7/8	VISC.		CORING CONN		SIZE COLL.	CAU 4
MAKE	GX20C	WTR. LOSS-C.C.		OTHER V RIG	1/4		2
SERIAL NO.	5204714	FILTER CAKE		REPAIRS		KELLY DOWN	6
DEPTH IN	221	PH.		TRIP		COLLARS	1/2
HOURS RUN	21 1/2	MTL. ADDED (REMARKS)				TOTAL	11 1/2 8

REMARKS: 1100-1115 @ 2287 VP (G 1115-1145) Drill 1145-1200 @ 2319 Jet # 2 1200-445 Drill  
 445-500 @ 2570 Jet # 1 500-700 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
2165	2975	Shale	80	40000	800	Larry Mlinak	8
						Justin Bunting	8
						Andrew Benedick	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
°	FT.						
DEG. OFF						(114) Stan Rome	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	9 1/2 8.7	DRILLING	6 1/4	SIZE D. P.	6 1/2 40
SIZE	7 3/4	VISC.	50	CORING CONN	1	SIZE COLL.	5 AST-3
MAKE	GX20C	WTR. LOSS-C.C.	7.6	OTHER V RIG	1/4	JTS. D. P.	CAUST-2 FT.
SERIAL NO.	5204714	FILTER CAKE	1/32	REPAIRS		KELLY DOWN	16-2 FT.
DEPTH IN	221	PH.	11.5	TRIP		COLLARS	DRIS-1/2 *
HOURS RUN	27 1/4	MTL. ADDED (REMARKS)	3		1/2	TOTAL	11 1/2 10

REMARKS: 7:00-7:15 Set Rig + Jet # 2 7:26-7:15 to 1100 Drill 11:00-11:15 Ulean Section @ 2820  
 11:15 to 11:30 Drill 11:30 to 12:00 Jet # 1 @ 2941 (Displaced) 12:00-3:00 Dr: 1)

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
2975	3233	SHALE	80	40,000	800	CHUCK DICK	8
						GEORGE LOVELADY	8
						RYAN LOVELADY	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
°	FT.						
DEG. OFF						(114) STAN LOVELADY	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	8.8 8.7	DRILLING	6 1/2	SIZE D. P.	
SIZE	7 7/8	VISC.	53 57	CORING CONN	3/4	SIZE COLL.	
MAKE	GX20C	WTR. LOSS-C.C.		OTHER RIG	1/4	JTS. D. P.	
SERIAL NO.	5204714	FILTER CAKE		Sample Box	1/4	KELLY DOWN	
DEPTH IN	221	PH.		TRIP Pump	1/4	COLLARS	
HOURS RUN	34 1/4	MTL. ADDED (REMARKS)				TOTAL	

REMARKS: 3:00-3:45 Delg. 3:45-4:00 Rlg @ 3007' 4:00-4:15 Pump 4:15-8:15 Delg. 8:15-9:30 Set Sample  
 Box @ 3164' 9:30-11:00 Delg.

DAILY DRILLING REPORT

CONTRACTOR: **Discovery Drilling CO. INC.** DATE: **5-17-12**

COMPANY: **Blackdiamond oil inc.** LEASE: **Thomas** WELL NO.: **1** RIG NO.: **1**

DISTRICT: **PHILLIPS** COUNTY: **KS** D. P. STRING NO.: **1** SIZE: **1**

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
221	689	Sand & shale	90	15000 20000	600	KENNY JONES	8
						MIKE BOLLER	8
						CASEY JONES	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
°	FT.						
DEG. OFF		2 IN FRAC				(114) Terry Jones	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT		DRILLING	4 3/4	SIZE D. P.	GEL 25
SIZE	7 7/8	VISC.		CORING CONN	1 1/4	SIZE COLL.	CAU 2
MAKE	6X200	WTR. LOSS-C.C.		OTHER	1 3/4	JTS. D. P.	JTS. 1
SERIAL NO.	5204714	FILTER CAKE		REPAIRS		KELLY DOWN	SOH 3
DEPTH IN	221	PH.		TRIP		COLLARS	CDW 4
HOURS RUN	4 3/4	MTL. ADDED (REMARKS)				TOTAL	HULLS 4

REMARKS: 1102 1245 WDC @ 221 1245-600 Drill 600-615 @ 623 JET #1 615-700 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
689	1789	Sand & Shale	90	30000	750	LARRY MINEK	8
						JUSTIN BUNTING	8
						ANDREW BROADBENT	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
°	FT.						
DEG. OFF		3 IN FRAC				(114) Sy 1 Rom	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	87	DRILLING	2 1/2	SIZE D. P.	GEL 25
SIZE	7 7/8	VISC.		CORING CONN	3	SIZE COLL.	SASH-3
MAKE	6X200	WTR. LOSS-C.C.		OTHER	1/4	JTS. D. P.	CAUST-2
SERIAL NO.	5204714	FILTER CAKE		REPAIRS		KELLY DOWN	16 FT.
DEPTH IN	221	PH.		TRIP		COLLARS	DRIS WSK
HOURS RUN	9 1/2	MTL. ADDED (REMARKS)				TOTAL	HULLS 4

REMARKS: 7:00 TO 7:15 Set Rig @ 7:17, 7:15 TO 12:15 Drill, 12:15 TO 12:30 Jet #1 @ 12:30, 12:30 TO 3:00 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
1789	1863	SAND + SHALE	90	30,000	800	CHUCK DICK	8
1863	1892	ANHYDRITE	80	35,000	800	GEORGE LOUCLADY	8
1892	2275	SHALE	80	35,000	800	RYAN LOUCLADY	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
°	FT.						
DEG. OFF		- 4 IN FRAC -				(114) STAN LOUCLADY	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT		DRILLING	6	SIZE D. P.	25 GEL
SIZE	7 7/8	VISC.		CORING CONN	1 1/4	SIZE COLL.	3 SODA ASH
MAKE	6X200	WTR. LOSS-C.C.		OTHER	Rig	JTS. D. P.	2 CAUSTIC
SERIAL NO.	5204714	FILTER CAKE		REPAIRS		KELLY DOWN	1 LIENITE
DEPTH IN	221	PH.		TRIP		COLLARS	4 SK DR'S PRT
HOURS RUN	15 1/4	MTL. ADDED (REMARKS)				TOTAL	4 HULLS

REMARKS: 3:00-3:15 Delq, 3:15-3:30 Rig @ 1816' 3:30-5:30 Delq, 5:30-5:45 JET #1 @ 1942' 5:45-9:15 Delq, 9:15-9:30 JET #1 @ 2192' 9:30-11:00 DRlg.



DAILY DRILLING REPORT  
 MWD 43-5 BOX 600, TULSA OK 74101  
 1-800-331-7250

CONTRACTOR  
**DISCOVERY DRILLING, Inc.**

DATE  
 wed.  
 5/16/12

COMPANY  
**BLACK DIAMOND OIL Inc.**

LEASE  
**THOMAS**

WELL NO.  
**#1**

RIG NO.  
**1**

DISTRICT  
**PHILLIPS**

STATE  
**KS**

D. P. STRING NO.

SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
						DM KENNY JONES	8
						EM MIKE BOLLEV	8
						H CASEY JONES	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
①	FT.						
	DEG. OFF					(114) Terry JONES	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	8	JTS. D. P.	FT.
SERIAL NO.		FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN		PH.		TRIP		COLLARS	FT.
HOURS RUN		MTL. ADDED (REMARKS)		TOTAL		TOTAL	FT.

REMARKS: 700-300 Help set rig rig up

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
0	135	Sand shale + clay	120	All	100	DM Larry Mlinck	8
						EM Justin Bunning	8
						H Andrew Benedick	8
SLOPE TEST		ACCIDENT: - Spud @ 12:36					
①	FT.						
	DEG. OFF					(114) Sy 19 am	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	1	WEIGHT		DRILLING	2	SIZE D. P.	
SIZE	12 1/4	VISC.		OTHER	2 1/2	SIZE COLL.	
MAKE	WA 417	WTR. LOSS-C.C.		REPAIRS		JTS. D. P.	FT.
SERIAL NO.	92821	FILTER CAKE		TRIP		KELLY DOWN	FT.
DEPTH IN	0	PH.		MTL. ADDED (REMARKS)	1 1/2	COLLARS	FT.
HOURS RUN	2				5 1/4	TOTAL	FT.

REMARKS: 7:00 TO 12:15 LRO + m. Rig up. 12:15 TO 12:30 Drill Pull Hdr. 12:30 TO 12:45

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
135	221	SAND, SHALE + CLAY	120	ALL	600	DM CHUCK DICK	8
						EM GEORGE LOVELADY	8
						H RYAN LOVELADY	8
SLOPE TEST		ACCIDENT: - - 1 IN FRAC -					
①	221 FT.						
	DEG. OFF					(114) STAN LOVELADY	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	1	WEIGHT		DRILLING	1/4	SIZE D. P.	25 GEL
SIZE	12 1/4	VISC.		OTHER	1/4	SIZE COLL.	3 SODA ASH
MAKE	WA 417	WTR. LOSS-C.C.		REPAIRS	1/2	JTS. D. P.	CAUSTIC FT.
SERIAL NO.	12821	FILTER CAKE		TRIP	1/2	KELLY DOWN	1 LIGNITE FT.
DEPTH IN	0	PH.		MTL. ADDED (REMARKS)	1/4	COLLARS	4 SK DEEP FT.
HOURS RUN	2 1/4				6 1/4	TOTAL	4 HULLS FT.

REMARKS: 3:00-3:30 Delg. Surface Hole 3:30-3:45 Circ Cellar 3:45-4:15 Trip out w/ bit - Run 85% csg 4:15-4:30 Circ. 85% csg, 4:30-4:45 Cmt. 95% csg, 4:45-11:00 WOC

(CHANGE OIL IN SWIVEL - CHANGE RODHEAD PREMIX SIDE - CUT DELG. LINE)