



KANSAS CORPORATION COMMISSION 1090078
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 #: _____

5/22/2012 5/27/2012 5/28/2012
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-137-20606-00-00

Spot Description: _____

NE NW SE SW Sec. 33 Twp. 3 S. R. 21 East West
1125 Feet from North / South Line of Section
915 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Norton

Lease Name: Maddy Well #: 1

Field Name: Wildcat

Producing Formation: None

Elevation: Ground: 2281 Kelly Bushing: 2283

Total Depth: 3795 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 2210 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: 400 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 Garriss Date: 08/15/2012



1090078

Operator Name: Black Diamond Oil, Inc. Lease Name: Maddy Well #: 1
 Sec. 33 Twp. 3 S. R. 21 East West County: Norton

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>1973</td> <td>310</td> </tr> <tr> <td>Topeka</td> <td>3299</td> <td>-1016</td> </tr> <tr> <td>Heebner</td> <td>3497</td> <td>-1216</td> </tr> <tr> <td>Lansing KC</td> <td>3541</td> <td>-1258</td> </tr> </tbody> </table>	Name	Top	Datum	Anhydrite	1973	310	Topeka	3299	-1016	Heebner	3497	-1216	Lansing KC	3541	-1258
Name	Top	Datum														
Anhydrite	1973	310														
Topeka	3299	-1016														
Heebner	3497	-1216														
Lansing KC	3541	-1258														

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	221.04	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	
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 (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input 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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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ALLIED CEMENTING CO., LLC. 042513

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

SERVICE POINT:
Great Bend

DATE <u>5-22-17</u>	SEC <u>33</u>	TWP. <u>3</u>	RANGE <u>21</u>	CALLED OUT	ON LOCATION	JOB START <u>5:30 PM</u>	JOB FINISH <u>1:00 PM</u>
LEASE <u>Molly</u>		WELL # <u>1</u>		LOCATION <u>hagen 5 west 6 North</u>		COUNTY <u>Wagon</u>	STATE <u>KS</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)			Location <u>1 west 1/2 north west 1/4 T8</u>				

CONTRACTOR Discovery Rig 1 OWNER Black Diamond

TYPE OF JOB Surface

HOLE SIZE 12 1/2 T.D. 221 CEMENT

CASING SIZE 8 1/2 DEPTH 221 AMOUNT ORDERED 160 SX class A

TUBING SIZE DEPTH +3% gel + 2% gel

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15

PERFS.

DISPLACEMENT 13 BBLs

EQUIPMENT

PUMP TRUCK CEMENTER Wayne

378 HELPER Kenny

BULK TRUCK

378 DRIVER Jack

BULK TRUCK

DRIVER

COMMON 160 @ 16.25 2600.00

POZMIX @

GEL 3 @ 21.25 63.75

CHLORIDE 6 @ 53.20 319.20

ASC @

@

@

@

@

@

@

@

HANDLING 173.5 @ 2.10 364.25

MILEAGE 7.91 x 95 @ 2.35 1,745.25

TOTAL 5,143.00

REMARKS:

Pipe on Bottom Break circulation
with Rig used
Run 3 BBLs Ahead
Mix 160 SX class A + 3% gel + 2% gel
Displace 13 BBLs Fresh water
Shut in
Cement did circulate
Rig Down

SERVICE

DEPTH OF JOB 221

PUMP TRUCK CHARGE 1125.00

EXTRA FOOTAGE @

MILEAGE Hum 95 @ 7.00 665.00

MANIFOLD @

LUM 95 @ 4.00 380.00

@

TOTAL 2170.00

CHARGE TO: Black Diamond

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (if Any)

TOTAL CHARGES 7,313.30

25% DISCOUNT 1,828.00

IF PAID IN 30 DAYS

5,484.90

PRINTED NAME

SIGNATURE [Signature]

DAILY DRILLING REPORT

CONTRACTOR
 43-5 BOX 600, TULSA OK 74101
 1-800-331-7293

CONTRACTOR
 Discovery Drilling Co. INC.

DATE
 5-28-12

COMPANY
 Black Diamond Oil Inc.

LEASE
 MA D D Y

WELL NO.
 1

RIG NO.
 1

DISTRICT
 NORTON

STATE
 KS

D. P. STRING NO.
 1

SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3795	RTD					Kenny Jones	8
						Mike Boller	8
						Casey Jones	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
@	FT.	30-30-30		35 MWD			
DEG. OFF		(8 HRS DAY WORK)		(8 HRS)		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	DST 3 6/4	JTS. D. P.	FT.
SERIAL NO.		FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN		PH.		TRIP IN/OUT	1 1/4	COLLARS	FT.
HOURS RUN		MTL. ADDED (REMARKS)		TOTAL			FT.

REMARKS: 1100-100 WOT/MAKE UP TOOL 100-200 WOT/TOOL 200-400 TOB 400-515 OUTY TOOL 515-545 BREAK LAY TOOL DOWN 545-645 IN W/ BIT 645-700 SETUP TO LAY DOWN PIPE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3795	RTD	2000' - 250 KS				Louis Mlinak	8
		1325' 100 SKS				Justin Bunting	8
		275' - 40 SKS				Andrew Benedick	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
@	FT.	40 - 10 SKS					
DEG. OFF		MOUSE - 15					
		TOTAL 220 HRS 49 1/2					
		COMPLETE RIG RELEASED 1300 HRS 2/2/12				Sy / Pamp	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT		DRILLING		SIZE D. P.	
SIZE	7 1/2 BR	VISC.		LOAD DOWN	1 1/2	SIZE COLL.	
MAKE	6 X 20 E	WTR. LOSS-C.C.		PLUG	2	JTS. D. P.	FT.
SERIAL NO.	5704714	FILTER CAKE		LOAD DOWN	1 1/2	KELLY DOWN	FT.
DEPTH IN	221	PH.		TRIP IN/OUT	30	COLLARS	FT.
HOURS RUN		MTL. ADDED (REMARKS)		PLUG HOLES	2 1/4	TOTAL	FT.

REMARKS: 7:00 TO 8:30 lay down pipe 8:30-9:15 Trip in w/ plugging STAS. 9:15 TO 11:15 Wait On Cement PYS. 11:15 TO 12:45 Plug in - Lay down Pipe. 12:45-1:30 BREAK LAY RAT MOUSEDOWN RIG SAFE. 1:30-3:00 TEAR DOWN.

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

REMARKS:

DAILY DRILLING REPORT

REGISTRATION 43-5 BOX 800, TULSA OK 74101
1-900-331-7293

CONTRACTOR

Discovery Drilling Co. Inc

DATE

SUN. 5-27-12

COMPANY

Black diamond oil INC

LEASE

MADDDY

WELL NO.

1

RIG NO.

1

DISTRICT

COUNTY

NORTON

STATE

KS

D. P. STRING NO.

SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3690	3795	Lime	80	4000	800	Kenny Jones	8
						Mike Bolter	8
						Casey Jones	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
°	FT.						
DEG. OFF		(2 1/2 HRS Muddy)		(128) Terry Jones			8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	9.1	DRILLING	5	SIZE D. P.	
SIZE	7 1/2 BR	VISC.	60+	CORING	CONC 1/2	SIZE COLL.	
MAKE	6x20	WTR. LOSS-C.C.		OTHER	RIG 1/2	JTS. D. P.	FT.
SERIAL NO.	5204714	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	221	PH.		TRIP		COLLARS	FT.
HOURS RUN	58 3/4	MTL. ADDED (REMARKS)		Circ 1 1/2		TOTAL	FT.

REMARKS: 1100-1100 CFS@3690 1130-1215 Drill 1215-115 CFS@3702-115-600 Drill 600-700 CFS@3795 RTD

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3795	RTD				850	Larry Mliock	8
3792	LTD	Superior				Justin Bunting	8
						George Lovelady	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
°	3795						
DEG. OFF		(8 HRS Muddy)		(128) Sgt Rame			8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	9.3	DRILLING		SIZE D. P.	
SIZE	7 1/2 BR	VISC.	65	CORING		SIZE COLL.	
MAKE	6x20	WTR. LOSS-C.C.	9.8	OTHER	1 1/2	JTS. D. P.	FT.
SERIAL NO.	5204714	FILTER CAKE	8.8	REPAIRS	1 1/2	KELLY DOWN	FT.
DEPTH IN	221	PH.	11.0	TRIP	Short 3/4	COLLARS	FT.
HOURS RUN	58 3/4	MTL. ADDED (REMARKS)		Lossing	H 1/2	TOTAL	FT.

REMARKS: 7:00-7:45 Short Trip (10) 7:45-9:15 PAST. 9:15-10:55, Trip out for log 10:45-3:00 Logging

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3795	RTD					CHUCK DICK	8
						GEORGE LOVELADY	8
						RYAN LOVELADY	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
°	3795	ST #2 - STRADDLE - 3575-3630					
DEG. OFF		30-30-45-90					
		750' MUDDY WATER		(128) STAN LOVELADY			8

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

REMARKS: 3:00-4:15 Logging 4:10-4:30 make up Tool anchors & Tail pipe 4:30-5:30 Trip in w/ tool 5:30-8:45 DB w/ DST #2 8:45-9:10 Jet water off pres 9:10-11:00 pull TEST, Dump fluid, Breaks Lay Tool Down.

DAILY DRILLING REPORT
 BOX 800, TULSA OK 74101
 43-5 1-800-931-7290

CONTRACTOR
 Discovery Drilling Co INC
 LEASE
 Black diamond oil INC
 COUNTY
 NORTON
 STATE
 KS

DATE
 5-26-12
 WELL NO.
 1
 RIG NO.
 1
 D. P. STRING NO.
 SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3560		Lime				Kenny James	8
						Mike Ballew	8
						Casey James	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
3560 FT.		DST# 1 3490-3560 62					
1/2 DEG. OFF		45-60-		STRAP SHORT 80'		Terry Jones 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		SIZE COLL.	
MAKE	GX20C	WTR. LOSS-C.C.		OTHER	DST# 1 4 1/2	JTS. D. P.	FT.
SERIAL NO.	5204714	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	221	PH.		TRIP	5.7 2 1/4	COLLARS	FT.
HOURS RUN	46	MTL. ADDED (REMARKS)			Circ 1 1/2	TOTAL	FT.

REMARKS: 1100-1115 OUT W/ COLLARS 1115-115 IN W/ BIT REAM 10 JTS REAM 15' BOTTOM 1 1/2 JASCAST
 245-415 OUT W/ BIT STRAPPIPE 415-445 MAKE UP TOOL 445-600 IN W/ TOOL
 600-700 TOB

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3560	3578	Shale & lime	80	40 1/2"	850	Larry Mlinak	8
						Justin Banting	8
						Andrew Berndick	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
3560 FT.		DST# 1 3490-3560					
1/2 DEG. OFF		45-60-140		Rec 1 1/2 in W		Syl Romo 8	

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	9.4	DRILLING	1 1/4	SIZE D. P.	
SIZE	7 7/8 RR	VISC.	10	CORING		SIZE COLL.	
MAKE	GX20C	WTR. LOSS-C.C.	8.8	OTHER	1	JTS. D. P.	FT.
SERIAL NO.	5204714	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	221	PH.		TRIP		COLLARS	FT.
HOURS RUN	07 1/4	MTL. ADDED (REMARKS)			DST# 1 534	TOTAL	FT.

REMARKS: 7:00 TO 9:30 O/B W/ TAT 9:30 TO 11:00 Pull TEST Dump Fluid Clean up 11:00 TO 12:00 Trip in w/ BIT 12:15 TO 1:15 CAT, 1:15 TO 3:00 DRILL

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3578	3690	SHALE + Lime	80	40,000	850	CHUCK DICK	8
						GEORGE LOVELADY	8
						RYAN LOVELADY	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
3560 FT.		DST# 1 3490-3560					
1/2 DEG. OFF		45-60-140		3		STAN LOVELADY 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 7/8 RR	VISC.	100+	CORING	1 1/2	SIZE COLL.	
MAKE	GX20C	WTR. LOSS-C.C.		OTHER	Rigr	JTS. D. P.	FT.
SERIAL NO.	5204714	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	221	PH.		TRIP	3/4	COLLARS	FT.
HOURS RUN	53 3/4	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 3:00-3:45 DRlg, 3:45-4:00 CFS @ 3590' 4:00-5:00 DRlg, 5:00-5:15 RIG @ 3607'
 5:15-10:30 DRlg, 10:30-11:00 CFS @ 3690'

DAILY DRILLING REPORT
 BOX 800, TULSA OK 74101
 43-5 1-800-331-7280

CONTRACTOR
Discovery Drilling Co INC
 LEASE
Maddy
 COUNTY
NORTON
 STATE
KS

DATE
5-25-12
 WELL NO.
1
 RIG NO.
1
 D. P. STRING NO.
1
 SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3231	3438	Shale & Lime	80	40,000	800	Kenny James	8
						Mike Baller	8
						Casay Jones	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
°	FT.						
DEG. OFF							

(128) Terry Jones 8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	88	DRILLING	1 1/4	SIZE D. P.	
SIZE	7/8 RR	VISC.	60	CORING CONN	1/2	SIZE COLL.	
MAKE	G X 2 DC	WTR. LOSS-C.C.		OTHER VRL	1/2	JTS. D. P.	FT.
SERIAL NO.	5204714	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	221	PH.		TRIP		COLLARS	FT.
HOURS RUN	40 1/2	MTL. ADDED (REMARKS)		TOTAL			FT.

REMARKS: 1100-145 Drill 145-1200 @ 3263 VRLG 1200-700 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3438	3560	SHALE + Lime	80	40,000	800	LARRY MLINER	8
						JUSTIN BUNTING	8
						ANDREW BENEDICK	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
°	FT.						
DEG. OFF							

(136) HCS Damoak STAN LOVELADY 8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	9.3	DRILLING	5 1/2	SIZE D. P.	
SIZE	7/8 RR	VISC.	59	CORING CONN	1/2	SIZE COLL.	
MAKE	G X 2 DC	WTR. LOSS-C.C.	9.8	OTHER RIG	1/4	JTS. D. P.	FT.
SERIAL NO.	5204714	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	221	PH.	10.5	TRIP	1 1/2	COLLARS	FT.
HOURS RUN	46	MTL. ADDED (REMARKS)		TOTAL			FT.

REMARKS: 7:00-7:45 DRlg. 7:45-7:30 Rlgve 3451' 7:30-1:15 DRlg. 1:15-2:45 CFS @ 3560' 2:45-3:00 SHORT TRIP

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3560	-				800	CHUCK DICK	8
						GEORGE LOVELADY	8
						RYAN LOVELADY	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
°	FT.	DST #1 3498-3560 62' ANCHOR					
DEG. OFF		TORONTO LCC A zone					

(8) HCS Damoak STAN LOVELADY 8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	9.1	DRILLING	5	SIZE D. P.	
SIZE	7/8 RR	VISC.	65	CORING CONN		SIZE COLL.	
MAKE	G X 2 DC	WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	5204714	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	221	PH.		SHORT TRIP	1 1/4	COLLARS	FT.
HOURS RUN	46	MTL. ADDED (REMARKS)		TOTAL			FT.

REMARKS: 3:00-4:15 SHORT TRIP 26 STANDS / 4:15-9:15 CAST 9:15-11:00 DRIP SML SHRT - TRIP ON W/B.M. - STRIP PIPE - PULLED FROM (WALTON GEOLOGIST)

DAILY DRILLING REPORT
 904 800, TULSA OK 74101
 1-800-331-7290

CONTRACTOR
 Discovery Drilling Co. INC

DATE
 Thurs -
 5-24-12

COMPANY
 Black diamond oil Co.
 LEASE
 Maddy
 DISTRICT
 COUNTY
 NORTON
 STATE
 KS

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

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
2440	2750	Shale	80	35000	800	Kenny Jones	8
						Mike Bolter	8
						Casey Jones	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
°	FT.						
DEG. OFF		Fvac Full 1 For 2		JET 1/2		Terry Jones	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	9.5	DRILLING	6 1/2	SIZE D. P.	60
SIZE	7 3/8 RB	WTR. LOSS-C.C.	9.4	CORING	CONN 3/4	SIZE COLL.	4
MAKE	GX20C	FILTER CAKE		OTHER	VRIG 1/2	JTS. D. P.	2
SERIAL NO.	5204714	PH.		REPAIRS		KELLY DOWN	5000
DEPTH IN	221	MTL. ADDED (REMARKS)		TRIP		COLLARS	1/2
HOURS RUN	20 1/2					TOTAL	8

REMARKS: 1100-1115 @ 2446 VRIG/JET #1 1115-515 Drill 515-530 @ 2697 Jet #1 530-700 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
2750	3015	Shale	80	40000	800	Louis Mlinek	8
						Just in Bent in	8
						Andrew Benedick	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
°	FT.						
DEG. OFF		2 tanks for #2 plus 1 lead tank		JET 3/4		Sy1 Rome	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	9.4	DRILLING	6 1/4	SIZE D. P.	60-75
SIZE	7 3/8 RB	WTR. LOSS-C.C.		CORING	CONN 3/4	SIZE COLL.	2 1/2
MAKE	GX20C	FILTER CAKE		OTHER	VRIG 1/2	JTS. D. P.	DAUST 1/4
SERIAL NO.	5204714	PH.		REPAIRS		KELLY DOWN	116-31
DEPTH IN	221	MTL. ADDED (REMARKS)		TRIP		COLLARS	DRIS-1/4
HOURS RUN	26 1/2					TOTAL	17 1/2

REMARKS: 7:00-7:15 @ Rig 7:15-7:30 Jet #2 @ 2760, 7:30-10:45 Drill, 10:45-11:00 Clean Section @ R893 11:00-11:30 Drill, 11:30-11:45 Jet #1 (Display read 2912) 11:45-3:00 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3015	3231	SHALE	80	40,000	800	CHUCK DICK	8
						GEORGE LOVELADY	8
						RYAN LOVELADY	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
°	FT.						
DEG. OFF		(V. HE NORTON)		JET 3/4		STAN LOVELADY	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	8.8	DRILLING	6 3/4	SIZE D. P.	
SIZE	7 7/8 RB	WTR. LOSS-C.C.	5.8	CORING	CONN 1/2	SIZE COLL.	
MAKE	GX20C	FILTER CAKE		OTHER	Rig 1/4	JTS. D. P.	
SERIAL NO.	5204714	PH.		REPAIRS		KELLY DOWN	
DEPTH IN	221	MTL. ADDED (REMARKS)		TRIP		COLLARS	
HOURS RUN	33 1/4					TOTAL	

REMARKS: 3:00-3:30 DRlg, 3:30-3:45 Pump 3:45-4:00 Rig no 3043' 4:00-10:45 DRlg, 10:45-11:00 SET Sample Box @ 3231'

DAILY DRILLING REPORT
 FORM 43-5 BOX 800, TULSA OK 74101
 1-800-331-7290

CONTRACTOR
Discovery Drilling Co Inc
 COMPANY
Backdiamond Oil Inc
 DISTRICT
Norton
 COUNTY
Norton
 STATE
KS

DATE
wed. 5-23-12
 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.
221	688	Sand + shale	90	15000 20000	600	Kenny Jones	8
						Mike Bolter	8
						Casey Jones	8
						Terry Jones	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 1/2 RR	VISC.		COHNG	CONN 1 1/4	SIZE COLL.	
MAKE	6 X 2 OC	WTR. LOSS-C.C.		OTHER	WDC 3	JTS. D. P.	FT.
SERIAL NO.	5204714	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	221	PH.		TRIP		COLLARS	FT.
HOURS RUN	3 3/4	MTL. ADDED (REMARKS)		TOTAL			FT.

REMARKS: 100-200 WDC @ 221 200-700 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
688	1976	Sand + Shale	90	30000	700	Casey Milneak	8
						Justin Bunting	8
						Andrew Benedick	8
						Sy/Romney	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	90	DRILLING	4	SIZE D. P.	GEL-25
SIZE	7 1/2 RR	VISC.		COHNG	CON 3 1/4	SIZE COLL.	SASH-3
MAKE	6 X 2 OC	WTR. LOSS-C.C.		OTHER	✓ 1/4	JTS. D. P.	CAHST-2
SERIAL NO.	57007M	FILTER CAKE		REPAIRS		KELLY DOWN	LIG-1
DEPTH IN	221	PH.		TRIP		COLLARS	DRIS-35K
HOURS RUN	7 3/4	MTL. ADDED (REMARKS)		TOTAL			HULLS-4

REMARKS: 7:00 TO 7:15 Sol Rig, 7:15 TO 7:30 Drill, 7:30 TO 7:45 JET #1 @ 2069, 7:45 TO 11:30 Drill, 11:30 TO 11:55 JET #1 @ 1755, 11:55 TO 3:00 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
1976	2003	ANHYDRITE	80	35,000	800	CHUCK DICK	8
2003	2440	SHALL	90	35,000	800	GEORGE LOUELADY	8
						RYAN LOUELADY	8
						STAN LOUELADY	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT		DRILLING	6	SIZE D. P.	Gel-50
SIZE	7 1/2 RR	VISC.		COHNG	CONN 1 1/2	SIZE COLL.	SASH-6
MAKE	6 X 2 OC	WTR. LOSS-C.C.		OTHER	Rigv 1/4	JTS. D. P.	CAHST-2
SERIAL NO.	5204714	FILTER CAKE		REPAIRS		KELLY DOWN	LIG-2 FT.
DEPTH IN	221	PH.		TRIP		COLLARS	DRIS-35K
HOURS RUN	13 3/4	MTL. ADDED (REMARKS)		TOTAL			HULLS-5

REMARKS: 3:00-3:15 Rig @ 1976 3:15-5:15 Delq, 5:15-5:30 JET #1 @ 2069' 5:30-11:00 Delq

DAILY DRILLING REPORT
 BOX 800, TULSA OK 74101
 1-800-331-7280

TUESDAY

CONTRACTOR: **Discovery Drilling, Inc.** DATE: **5/22/12**
 COMPANY: **BLACK DIAMOND OIL INC.** LEASE: **MADDOY** WELL NO.: **1** RIG NO.: **1**
 DISTRICT: **NORTON** COUNTY: **Ks** STATE: **Ks** D. P. STRING NO.: SIZE:

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
						Kenny Jones	8
						Mike Bollev	8
						Casey Jones	8
						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.		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: 700-300 Help set vlg vlg up

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
0	193	SURFACE CLAY/SAND SHALE	100	ALL	600	LARRY MLINEK	8
						JUSTIN BUNTING	8
						ANDREW BENEDICT	8
						CLIFF MAYFIELD	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	1	WEIGHT		DRILLING	1 3/4	SIZE D. P.	
SIZE	12 1/2	VISC.		CORING	DOWN	SIZE COLL.	
MAKE	JZ BITS	WTR. LOSS-C.C.		REPAIRS	UP 5 1/2	JTS. D. P.	FT.
SERIAL NO.	WA 417	FILTER CAKE		TRIP		KELLY DOWN	FT.
DEPTH IN	0	PH.				COLLARS	FT.
HOURS RUN	13/4	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 700-1000 loadout Rig 1000-1030 Move Rig, 1030-1215 SET RIG IN RIG UP, 1215-1245 DRILL RAT HOLE, 1245-300 DRILL SURFACE HOLE.

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
193	221	SAND, SHALE + CLAY	100	ALL	600	CHUCK DICK	8
						GEORGE LOVELADY	8
						RYAN LOVELADY	8
						STAN LOVELADY	8

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

REMARKS: 3:00-3:15 Delg. SURFACE HOLE 3:15-3:30 CIRC COLLAR 3:30-4:30 DRIP SWEL SMT-TRIP OUT + RUN RIG COT (4:30-5:45 WAIT ON CEMENTERS) 5:45-6:00 CEMENT P.F. 6:00-11:00 WOC. (GOT STOPPED BY DOT)