





1096915

Operator Name: Black Diamond Oil, Inc. Lease Name: Maxine Well #: 1  
 Sec. 27 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 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	<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>1410</td> <td>587</td> </tr> <tr> <td>Topeka</td> <td>2932</td> <td>-935</td> </tr> <tr> <td>Heebner</td> <td>3141</td> <td>-1144</td> </tr> <tr> <td>Lansing/KC</td> <td>3182</td> <td>-1185</td> </tr> <tr> <td>Arbuckle</td> <td>3428</td> <td>-1431</td> </tr> </tbody> </table>	Name	Top	Datum	Anhydrite	1410	587	Topeka	2932	-935	Heebner	3141	-1144	Lansing/KC	3182	-1185	Arbuckle	3428	-1431
Name	Top	Datum																	
Anhydrite	1410	587																	
Topeka	2932	-935																	
Heebner	3141	-1144																	
Lansing/KC	3182	-1185																	
Arbuckle	3428	-1431																	

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	216.15	Common	170	3%cc, 2% gel
Production String	7.875	5.5	15.5	3431	QMD	520	.25 # FLOW

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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size: <u>2 7/8</u>	Set At: <u>3407</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>07/16/2012</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____		
Estimated Production Per 24 Hours	Oil Bbls. <u>5</u>	Gas Mcf <u>0</u>	Water Bbls. <u>20</u>	Gas-Oil Ratio 

DISPOSITION OF GAS: <input checked="" type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input checked="" 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: <u>3431-34</u>
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API # 15-163-24037-00-00

Operator: Black Diamond Oil, Inc.

Well Name & No: Maxine #1

Location: 80' FNL & 330' FWL

County: Rooks

State: Kansas

Rig No.: 6 Contractor: WW Drilling, LLC

Tool Pusher: John Mayers 785-259-4392

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

Rig Phone: 785-259-6941

Make Pump: National K-380

Liner & Stroke: 6 x 14

Spud 5/30/2012 @ 12:45 pm

Approx. TD: 3450 Elevation: 1992

K.B. 1997

KB Hole Complete: 6/2/2012 @ 8:45 PM

Mud Co.: Andy's

Mud Engineer: Ken Rupp

Water Pond

Date	05/30/12	05/31/12	06/01/12	06/02/12	06/03/12	06/04/12				
Days	1-spud	2-drig	3-drig	4-drig	5-TIH w/bit	6-done				
Depth		311	2271	3068	3432					
Fl. Cut		311	1960	797	364					
D.T.		8-woc	3/4-bit trip	4-pump						
D.T.										
C.T.					10.25	10.75				
Bit Wt.	all	25,000	35,000	38,000	38,000					
RPM	100	90	85	85	85					
Pressure	450	500	750	800	850					
SPM	60	60	60	60	60					
Mud Cost				7576	8561	8978				
Mud Wt.		8.7	9.2	9	9.1					
Viscosity		28	30	61	59					
Water Loss					7.6					
Chlorides					1000					
L.C.M.				2#	2#					
Dev. Sur		3/4 @ 216			1' @ 3432					
Dev. Sur										
Fuel	2650	2430	2106	1701	1458	1377				
Water-Pit		full	2'	full	full					
ACC Bit Hrs.		3.5	25.5	44	57.25					
Formation	sd-sh	sd-sh	sd-sh	sh-lm	sh-lm					
Weather	clear	clear	ptly clay	ptly clay	cloudy					

No.	Size	Type	Out	Ft.	Hrs.	Cum Hrs.	Bit Cond	Serial #	Tops
1	12 1/4	Smith	216	216	5.25	5.25	RR	BR 1549	
2	7 7/8	Sm - F-27	3432	3216	57.25	62.5	New	PX 3203	ROP - 54.9
3									
4									

DEPTH	SIZE	SACKS	CEMENT MATERIAL	PLUG DOWN	DRILLED OUT	REMARKS
216	8 5/8	170	Common, 3% cc, 2% gel	7:30 PM	3:30 AM	Allied Cem. Did circulate
2432	5 1/2	550	QMD	3:45 PM		Quality Cem. Did Circulate

NO	INTERVAL	OPEN	SHUT	OPEN	SHUT	RECOVERY
1						
2						
3						
4						
5						
6						
7						
8						
9						

Surface Casing Furnished by: Midwest, Mildred delivered 5 joints 23#, 8 5/8 tally 209.15 set @ 215'

Remarks: Strap & weld surface by WW, Anhydrite 1411-1443', Displaced @ 2687 (580 Bbls), Short trip 41 stands @ 3432' (2.25 Hrs), Log by Superior LTD 3432' (4 Hrs), Ran 82 joints 15.5# 5 1/2 casing Set @ 3431' (cut off), Release rig @ 5:45 PM on 6/3/2012.

# ALLIED OIL & GAS SERVICES, LLC 053624

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

SERVICE POINT:  
Great Bend Ks

DATE <u>1/20/12</u>	SEC. <u>27</u>	TWP. <u>8S</u>	RANGE <u>19W</u>	CALLED OUT	ON LOCATION	JOB START <u>7:00</u>	JOB FINISH <u>4:50</u>
LEASE <u>Maxine</u>	WELL # <u>1</u>	LOCATION <u>Curick North East South into</u>			COUNTY <u>ROCKS</u>	STATE <u>Kansas</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR W.W. Drilling Rig #6

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. \_\_\_\_\_

CASING SIZE 8 5/8 DEPTH 216.15

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE 4 1/2 DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15 ft.

PERFS. \_\_\_\_\_

DISPLACEMENT 12.80 DDIs Fresh Water

OWNER \_\_\_\_\_

CEMENT

AMOUNT ORDERED 170 sx Class A

3% CC, 2% gel

COMMON	<u>170</u>	@	<u>16.25</u>	<u>2,762.<sup>50</sup></u>
POZMIX		@		
GEL	<u>3</u>	@	<u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>6</u>	@	<u>58.20</u>	<u>349.<sup>20</sup></u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>183.49</u>	@	<u>2.10</u>	<u>385.<sup>32</sup></u>
MILEAGE	<u>8.37 x 65 x</u>	@	<u>2.35</u>	<u>1,278.<sup>51</sup></u>
TOTAL				<u>4,837.<sup>38</sup></u>

**EQUIPMENT**

PUMP TRUCK CEMENTER Dustin C.

# 224 HELPER Jim P

BULK TRUCK

# 378 DRIVER Kewh W.

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

\_\_\_\_\_  
See Cement log  
 \_\_\_\_\_  
Plug Down 7:30 pm  
 \_\_\_\_\_

**SERVICE**

DEPTH OF JOB	<u>216</u>		
PUMP TRUCK CHARGE		<u>1125.<sup>00</sup></u>	
EXTRA FOOTAGE		@	
MILEAGE	<u>HUM 65</u>	@	<u>7.00</u>
MANIFOLD		@	
	<u>LUM 65</u>	@	<u>4.00</u>
		@	

TOTAL 1840.<sup>00</sup>

CHARGE TO: Black Diamond Oil Inc

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

_____	@	
_____	@	
_____	@	
_____	@	
_____	@	

TOTAL \_\_\_\_\_

To: Allied Oil & Gas Services, 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)	<u>6.679.<sup>28</sup></u>	
TOTAL CHARGES	<u>2528</u>	<u>1,669.<sup>02</sup></u>
DISCOUNT	<u>5809.<sup>94</sup></u>	IF PAID IN 30 DAYS

PRINTED NAME x JONI MAYERS

SIGNATURE x JONI MAYERS

Thank You !!!

# QUALITY OILWELL CEMENTING, INC.

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

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

No. 678

Date	Sec.	Twp.	Range	County	State	On Location	Finish
6-3-12	20	8	19	Wichita	KS		3/4 Sp. n.
Lease	Well No. /		Location				
Contractor	Owner			To Quality Oilwell Cementing, Inc.			
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.						
Hole Size	T.D.		Charge To				
Csg. 5 7/8 15.500	Depth 3936		To				
Tbg. Size	Depth		Street				
Tool	Depth		City		State		
Cement Left in Csg. 44.44	Shoe Joint 44.44		The above was done to satisfaction and supervision of owner agent or contractor.				
Meas Line	Displace 80.00		Cement Amount Ordered				
<b>EQUIPMENT</b>							
Pumptrk	No.	Cementer	Common				
		Helper					
Bulktrk	No.	Driver	Poz. Mix				
		Driver					
Bulktrk	No.	Driver	Gel.				
		Driver					
<b>JOB SERVICES &amp; REMARKS</b>							
Remarks:			Calcium				
Rat Hole			Hulls				
Mouse Hole			Salt				
Centralizers			Flowseal				
Baskets			Kol-Seal				
D/V or Port Collar			Mud CLR 48				
Sand			CFL-117 or CD110 CAF 38				
Handling			Sand				
Mileage			Handling				
<b>FLOAT EQUIPMENT</b>							
Guide Shoe			Mileage				
Centralizer			Guide Shoe				
Baskets			Centralizer				
AFU Inserts			Baskets				
Float Shoe			AFU Inserts				
Latch Down			Float Shoe				
Pumptrk Charge			Latch Down				
Mileage			Pumptrk Charge				
Tax			Mileage				
Discount			Tax				
Total Charge			Discount				
Signature			Total Charge				

**OPERATOR**

Company: BLACK DIAMOND OIL, INC.  
 Address: PO BOX 641  
 HAYS, KANSAS 67601

Contact Geologist: KEN VEHIGE  
 Contact Phone Nbr: 785-625-5891  
 Well Name: MAXINE # 1  
 Location: N2 NW NW NW  
 Pool: IN FIELD  
 State: Kansas

API: 15-163-24,037-00-00  
 Field: WEBSTER  
 Country: USA

Scale 1:240 Imperial

Well Name: MAXINE # 1  
 Surface Location: N2 NW NW NW  
 Bottom Location:  
 API: 15-163-24,037-00-00  
 License Number: 7076  
 Spud Date: 5/30/2012  
 Region: ROOKS COUNTY  
 Drilling Completed: 2/2/2011  
 Surface Coordinates:  
 Bottom Hole Coordinates:  
 Ground Elevation: 1992.00ft  
 K.B. Elevation: 1997.00ft  
 Logged Interval: 0.00ft  
 Total Depth: 0.00ft  
 Formation: ARBUCKLE  
 Drilling Fluid Type: Chemical/Fresh Water Gel

Time: 11:00 PM  
 Time: 5:50 PM  
 To: 0.00ft

**SURFACE CO-ORDINATES**

Well Type: Vertical  
 Longitude:  
 N/S Co-ord:  
 E/W Co-ord:

Latitude:

**LOGGED BY**



Company: SOLUTIONS CONSULTING  
 Address: 108 W 35TH  
 HAYS, KS 67601

Phone Nbr: (785) 639-1337  
 Logged By: Geologist  
 Name: HERB DEINES

**CONTRACTOR**

Contractor: WW DRILLING, LLC  
 Rig #: 6  
 Rig Type: MUD ROTARY  
 Spud Date: 5/30/2012  
 TD Date: 2/2/2011  
 Rig Release:

Time: 11:00 PM  
 Time: 5:50 PM  
 Time:

**ELEVATIONS**

K.B. Elevation: 1997.00ft  
 K.B. to Ground: 5.00ft  
 Ground Elevation: 1992.00ft

**NOTES**

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**ROCK TYPES**

 Dolprim	 Lmst fw<7	 shale, gm	 shale, red
 Dolsec	 Lmst fw>7	 Carbon Sh	 Shgy

**ACCESSORIES**

<b>MINERAL</b>	<b>FOSSIL</b>
P Pyrite	◊ Oolite
* Varicolored chert	
▲ Chert White	

**OTHER SYMBOLS**

**DST**

- DST Int
- DST alt

