

ORIGINAL

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Handwritten notes:
KCC
MWR
11/07/08

Operator: License # 7076
Name: Black Diamond Oil, Inc.
Address: P.O. Box 641
City/State/Zip: Hays, KS 67601
Purchaser: Coffeyfile Resources
Operator Contact Person: Kenneth Vehige
Phone: (785) 625-5891
Contractor: Name: WW Drilling
License: 33575
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>7/29/2008</u>	<u>8/6/2008</u>	<u>8-6-08</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 163-23751-0000
County: Rooks

Sec. 9 Twp. 6 S. R. 19 East West
360 feet from (S) N (circle one) Line of Section
720 feet from E / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW (SW)
Lease Name: Dryden Well #: 1
Field Name: Wildcat
Producing Formation: None
Elevation: Ground: 2117 Kelly Bushing: 2122
Total Depth: 3612 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 P+A Alt I NCR
(Data must be collected from the Reserve Pit) 1-05-09
Chloride content 1000 ppm Fluid volume 110 bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name: Black Diamond Oil
Lease Name: Vehige License No.: 7076
Quarter SW Sec. 33 Twp. 6 S. R. 20 East West
County: Rooks Docket No.: D-23, 315

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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: [Signature]
Title: President Date: 10-21-2008
Subscribed and sworn to before me this 21st day of October,
2008.

Notary Public: [Signature]
Date Commission Expires: 5/21/2011

NOTARY PUBLIC
MELISSA L. WINDHOLZ
NOTARY PUBLIC
STATE OF KANSAS
Appt. Exp. 5/21/2011

KCC Office Use ONLY

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

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CONSERVATION DIVISION
WICHITA, KS

Operator Name: Black Diamond Oil, Inc. Lease Name: Dryden Well #: 1
 Sec. 9 Twp. 6 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 Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy)

List All E. Logs Run:

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Anhydrite	1686	+436
Topeka	3098	-976
Heebner	3296	-1174
Lansing/KC	3335	-1213
Granite Wash	3589	-1467

Dual Induction, Micro, Compensated Density

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	12 1/4	8 5/8	23	220	175	Common	3%cc 2%gel

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

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TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No	CONSERVATION DIVISION WICHITA, KE	
Date of First, Resumerd 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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		

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 _____

QUALITY OILWELL CEMENTING, INC.

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

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

No. 2470

Date	8-6-08	Sec.	9	Twp.	6	Range	19	Called Out		On Location		Job Start		Finish	6:30	
Lease	DEIDEN	Well No.	41	Location							Rooks County		State	KS		
Contractor	W H Oettinger R.G. #4							Owner								
Type Job	PTA							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Hole Size	7 7/8		T.D.		3612			Charge To								
Csg.								BLACK DIAMOND OIL TOL								
Tbg. Size								Street								
Drill Pipe								City								
Tool								State								
Cement Left in Csg.								The above was done to satisfaction and supervision of owner agent or contractor.								
Press Max.								Shoe Joint								
Meas Line								Minimum								
Perf.								Displace								
										CEMENT						
										Amount Ordered						
										205 SK 62/40 P02						
										Consisting of						
										4 9/16 FEL 1/4" C.F.						
										Common						
										Poz. Mix						
										Gel.						
										Chloride						
										Hulls						
										Salt						
										Flowseal						
										Sales Tax						
										Handling						
										Mileage						
										Sub Total						
										Total						
										Floating Equipment & Plugs						
										Squeeze Manifold						
										Rotating Head						
										Tax						
										Discount						
										Total Charge						

EQUIPMENT			
Pumptrk	5	No.	Cementer
			Helper
Bulktrk	3	No.	Driver
			Driver
Bulktrk	PU	No.	Driver
			Driver

JOB SERVICES & REMARKS

Pumptrk Charge

Mileage

Footage

Total

Remarks:

1st Plug 1700' 25 SK

2nd Plug 1020' 100 SK

3rd Plug 270' 40 SK

4th Plug 90' 10 SK

30 SK R.H.H.E.

THANKS
TOOD
MUCH
PLEASE
CALL
AGAIN

X Signature *[Signature]*

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WICHITA, KS

*WW Drilling, LLC
WaKeeney, KS
Well Plugging Orders*

Operator: Black Diamond Oil License # 7076
Address: P.O.Box 641 Hays KS, 67601

API # 15-163-23751-00-00

Lease Name: Dryden #1
Legals: 360' FSL & 720' FWL, Section 9-6s-19w
County: Rooks
State: KS

Plug #	Sx.	@	Feet
1st	<u>25</u>	<u>@</u>	<u>1700</u>
2nd	<u>100</u>	<u>@</u>	<u>1020</u>
3rd	<u>40</u>	<u>@</u>	<u>270</u>
4th	<u>10</u>	<u>@</u>	<u>40</u>
5th		<u>@</u>	
Rathole	<u>30</u>		
Mousehole			

Total: 205

Type: 60/40 Poz - 4% Gel - 1/4 # per sx flo-seal

Spud Report: Pat Bedore Date: 7/30/2008 Time: 2:45 PM

Orders From: Ed Shumacher Date: 8/1/2008 Time: 4:30 PM

Reported to: Bruce Basye Date: 8/7/2008 Time: 8:15 AM

Results: D & A

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DAILY DRILLING REPORT

43. CONTRACTOR **W.W. Drilling, LLC** DATE **7-29-08**
 COMPANY **Sh...** LEASE **Phillips/Boots** WELL NO. **47** BIG NO. **47**
 DISTRICT **Phillips/Boots** COUNTY **Phillips** STATE **KANSAS** D. P. STRING NO. **47** SIZE **47**

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
/	/					RYAN HART	6
						TIM LUNDQUIST SR.	6
						OFF	6

ACCIDENT:-- (GIVE NAME)

SLOPE TEST @ FT. DEG. OFF

DRLR **Randy Blankenship Co**

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: **- WORK ON Rig -**

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
						NER	
						Gil Green	6
						Cliff King	6
						Jon Nideaus	6

ACCIDENT:-- (GIVE NAME)

SLOPE TEST @ FT. DEG. OFF

DRLR **Randy Blankenship Co**

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: **1-2-10 work on rig**

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

ACCIDENT:-- (GIVE NAME)

SLOPE TEST @ FT. DEG. OFF

DRLR

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:

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APPROVED *[Signature]*

DAILY DRILLING REPORT

43
 CONTRACTOR: **W.W. DRILLING LLC** DATE: **7-30-08**
 COMPANY: **Black Diamond** LEASE: **Dr. in** WELL NO.: **1** RIG NO.: **4#**
 DISTRICT: **ROOKS** COUNTY: **ROOKS** STATE: **KANSAS** D. P. STRING NO.: SIZE:

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
						DM RYAN HART	8
						EM TIM LUNDQUIST JR	8
						H SACK THAYER	8
						H 	8
						DRLR Randy Blum	8

ACCIDENT: (GIVE NAME) **Jel - 45**
 @ **Hulls 6**
 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: **7:00 - 3:00 MOVE-Rig - Rig-up / Mix-mud**

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
						EM G.I. Green	8
						H Cliff Craig	8
						H Nick Osborne	8
						DRLR Ricky Hilgers	8

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: **7:00 - 3:00 MOVE-Rig Rig up**

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
0	4:47	sand		111	100	DM Art Marcotte	8
						EM Colby Renzelman	5
						H Scott Helbers	8
						DRLR U. H. Maulean	8

ACCIDENT: (GIVE NAME)
 @ FT.
 DEG. OFF

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	21	WEIGHT		DRILLING	Suff 21	SIZE D. P.	
SIZE	12 1/4	VISC.		CORING	2 1/2	SIZE COLL.	
MAKE	THP	WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	DA 1005	FILTER CAKE		REPAIRS	2 1/2 Kelly	KELLY DOWN	FT.
DEPTH IN	5	PH.		TRIP		COLLARS	FT.
HOURS RUN	1	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: **3:00 - 7:00 W.O.R.s 7:00 - 9:30 rig up
 1:30 - 10:00 W.O.R.s 10:00 - 11:00 2 1/2 Kelly**

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DAILY DRILLING REPORT

43' CONTRACTOR: W... DATE: 7-31-2008
 COMPANY: BLACK... LEASE: DRY DEN WELL NO.: #1 RIG NO.:
 DISTRICT: COUNTY: ROOKS STATE: KANSAS D. P. STRING NO.: SIZE:

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
42	220	sd - SH				RYAN HART	8
						Tim Lundquist JR.	8
						JACK THAYOR	8

ACCIDENT: (GIVE NAME) Plug in 3:30 AM
 SLOPE TEST / DEG. OFF: 11°

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	12 1/4	WEIGHT		DRILLING	2	SIZE D. P.	
SIZE		VISC.		CORING	3 1/2	SIZE COLL.	
MAKE		WTR. LOSS C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.		FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	220'	PH.		TRIP	29 Run	COLLARS	FT.
HOURS RUN		MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 11:00-1:00 DRILL 12 1/4 Hole 1:00-1:30 Cement 1:30-2:00 Run 8 5/8
 - 2:00 T.D. 2:00-3:00 Run 8 5/8 3:00-3:30 Cement 3:30-7:00 Wt/C

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
220	440	Sand - Shale	75	1200	450	Nick Osborne	8
						Cliff Craig	8
						John N...	8

ACCIDENT: (GIVE NAME) Drilled Plug at 11:30 AM
 SLOPE TEST / DEG. OFF: 0°

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	#2	WEIGHT		DRILLING	3 1/2	SIZE D. P.	
SIZE	1 1/2	VISC.		CORING		SIZE COLL.	
MAKE	Smith	WTR. LOSS C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	P136218	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	220	PH.		TRIP		COLLARS	FT.
HOURS RUN	5 1/2	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 7:00-11:30 ...

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
440	1033	Sand - Shale	85	1500		Art Marcotte	8
						Colby Penzelman	8
						MKE J. Carter	8

ACCIDENT: (GIVE NAME) 60 gel USA in line
 SLOPE TEST / DEG. OFF: 0°

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	#2	WEIGHT		DRILLING	7 1/4	SIZE D. P.	
SIZE	1 1/2	VISC.	26	CORING		SIZE COLL.	
MAKE	Smith	WTR. LOSS C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	M11818	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	220	PH.		TRIP		COLLARS	FT.
HOURS RUN	11 1/4	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 6:00-9:15 ... 9:15-9:30 ... 9:30-11:00 ...

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DAILY DRILLING REPORT
43

CONTRACTOR: **W.W. DRILLING**
 COMPANY: **BLACK DIAMOND OIL CO.**
 LEASE: **DRY DEN**
 WELL NO.: **14** RIG NO.: **4#**
 DISTRICT: COUNTY: STATE: **KS**
 D. P. STRING NO.: SIZE:

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
1033	1190	Sd-SH	85	3000	600	RYAN HART	8
1190	1408	cedar Hills sd				TIM LUNCOWAY SR	8
1408		SHALE-Red				JACK THAYER	8
SLOPE TEST		ACCIDENT: (GIVE NAME)					
220	ft.	119-1	GOL-20	Caustic-1			
1/2	DEG. OFF	PAC-1/4	Soda Ash-2	Hulls-5			
BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	224	WEIGHT		DRILLING		SIZE D. P.	
SIZE	7/8	VISC.		CORING		SIZE COLL.	
MAKE	Smith PK6818	WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.		FILTER CAKE		REPAIRS	1/2	KELLY DOWN	FT.
DEPTH IN	220	PH.		TRIP		COLLARS	FT.
HOURS RUN	18 1/2	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 11:00 - 6:00 DRlg 6:00 - 6:30 Pump look At clutch. 6:30 - 7:00 DRlg.
 DRLR: Ricky Blankenship

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
1560	1685	gnl shale	70	25	550	Nick O'Leary	8
1685	1720	shale	75	25	550	U. H. ...	8
1720	1975	gnl shale	10	28	600	Jonathan ...	8
SLOPE TEST		ACCIDENT: (GIVE NAME)					
9	ft.	1560	7				
DEG. OFF							
BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	142	WEIGHT	93	DRILLING	7/2	SIZE D. P.	
SIZE	7/8	VISC.	1428	CORING		SIZE COLL.	
MAKE	Smith PK6818	WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.		FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	220	PH.		TRIP		COLLARS	FT.
HOURS RUN	26	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 7:00 - ...
 DRLR: Ricky Hilgers

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
1975	2227	sand-shale	70	2000	600	Art MacLeane	8
SLOPE TEST		ACCIDENT: (GIVE NAME)					
6	ft.						
DEG. OFF							
BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	142	WEIGHT	74	DRILLING	5:24	SIZE D. P.	
SIZE	7/8	VISC.	27	CORING		SIZE COLL.	
MAKE	Smith	WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	PK6818	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	220	PH.		TRIP		COLLARS	FT.
HOURS RUN	31:24	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 3:00 - 3:45 ... 3:45 - 4:00 ... 4:00 - 6:00 ...
 DRLR: Will MacLean

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DAILY DRILLING REPORT

43' CONTRACTOR **W. W. Drilling LLC** DATE **8-2-08**
 COMPANY **Black Diamond** LEASE **DRY DEW** WELL NO. **7#** RIG NO. **4#**
 DISTRICT COUNTY **Rooks** STATE **KS** D. P. STRING NO. **1#** SIZE **4 1/2 X H**

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
2227	2227	SD + SH + LM	89/10	30	600	RYAN HART	3
						TIM LUNDQUIST - JR.	3
						JACK THAYER	3

ACCIDENT: -
 SLOPE TEST @ 220' 1/2 DEG. OFF

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	7 7/8	WEIGHT	9.3	DRILLING	1 1/4 HR	SIZE D. P.	
SIZE		VISC.	27	CORING		SIZE COLL.	
MAKE	SMITH	WTR. LOSS - C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	PK6818	FILTER CAKE		REPAIRS	1 1/2 HR	KELLY DOWN	FT.
DEPTH IN	220	PH.		TRIP	1/4 HR	COLLARS	FT.
HOURS RUN	39	MTL. ADDED (REMARKS)		TOTAL			FT.

REMARKS: 1100-7100 DR1g Jet 1 & 2 PITS
 Recons replaced head cap gasket pump and photo seal

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
2490	2490	Sand shale	89/10	30	525	N K ...	8
						Col ...	8
						Cliff ...	8
						Jim ...	8

ACCIDENT: -
 SLOPE TEST @ DEG. OFF

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	7 7/8	WEIGHT	9.3	DRILLING	1 1/4 HR	SIZE D. P.	
SIZE		VISC.	27	CORING		SIZE COLL.	
MAKE	SMITH	WTR. LOSS - C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	PK6818	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	220	PH.		TRIP		COLLARS	FT.
HOURS RUN	40 1/2	MTL. ADDED (REMARKS)		TOTAL			FT.

REMARKS: 700-300 DR1g Jet 1 & 2

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
2800	2800	sand shale	89/10	30	525	Act ...	8
						Colby ...	8
						Mike ...	8

ACCIDENT: -
 SLOPE TEST @ DEG. OFF

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	7 7/8	WEIGHT	9.3	DRILLING	1 1/4 HR	SIZE D. P.	
SIZE		VISC.	27	CORING		SIZE COLL.	
MAKE	SMITH	WTR. LOSS - C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	PK6818	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	220	PH.		TRIP		COLLARS	FT.
HOURS RUN	33 1/2	MTL. ADDED (REMARKS)		TOTAL			FT.

REMARKS: 300-545 DR1g 545-600 DR1g 600-930 DR1g
 930-1015 clean ... 1015-1100 DR1g 1100-1115 DR1g

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DAILY DRILLING REPORT
43

CONTRACTOR
W.W. DRILLING CO. LLC

DATE
8-3-08

COMPANY
BLACK DIAMOND OIL CO.

LEASE
DRY DEN

WELL NO.
#1

RIG NO.
4#

DISTRICT

COUNTY

STATE
KS

D. P. STRING NO.
1#

SIZE
1 1/2 X 4

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3040	3200	sd-SH-LM	6796	3000	650	RYAN HART	8
						TIM LINDQUIST JR.	8
						JACK THAYER	8

ACCIDENT: (GIVE NAME)

DEG. OFF: 220 FT. SODA ASTH - 3 HILLS - 2

DEG. OFF: 1/2° CONCRETE - 2 PAC - 14

DRLR: Paula Blankenship

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2#	WEIGHT	39 DALS	DRILLING	7 1/4 HR	SIZE D. P.	4 1/2
SIZE	7 7/8	VISC.	50	CORING		SIZE COLL.	
MAKE	Smith	WTR. LOSS-C.C.	APPROX	OTHER		JTB. D. P.	FT.
SERIAL NO.	PK 6818	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	220	PH. LCM	FR	TRIP		COLLARS	FT.
HOURS RUN	6 1/4	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 11:00-7:00 Drilling

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3230	3275						

ACCIDENT: (GIVE NAME)

DEG. OFF: (6 hrs)

DEG. OFF: STRAIGHT

DRLR: (Name)

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2#	WEIGHT	9.0	DRILLING	2	SIZE D. P.	
SIZE	7 7/8	VISC.	51	REPAIRS	2 1/4	SIZE COLL.	
MAKE	Smith	WTR. LOSS-C.C.		OTHER	1 1/4	JTB. D. P.	FT.
SERIAL NO.		FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	220	PH. LCM	FR	TRIP	3 1/2	COLLARS	FT.
HOURS RUN	6 3/4	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 11:00-1:00 W.S-CFS 10.5-11

11:00-2:00 TO WB STRAIGHT

2:00-2:15 mtl

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3275	3298	shale & lime		5000		Art Marcotte	8
						Colby Roushewicz	
						M Pe Carter	

ACCIDENT: (GIVE NAME)

DEG. OFF: (6 hrs)

DRLR: Will Markan

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2#	WEIGHT		DRILLING		SIZE D. P.	
SIZE	7 7/8	VISC.		CORING		SIZE COLL.	
MAKE	Smith	WTR. LOSS-C.C.		OTHER		JTB. D. P.	FT.
SERIAL NO.	PK 6818	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	220	PH. LCM		TRIP		COLLARS	FT.
HOURS RUN	6 1/4	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 3:00 3:15 mtl 10:275 3:15-4:00 1-8 6:15 7:00 mtl

7:00 7:15 mtl

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DAILY DRILLING REPORT

CONTRACTOR: **W.W. Drilling LLC** DATE: **08-04-08**
 COMPANY: **Black Diamond** LEASE: **DRY OIL** WELL NO.: **1#** RIG NO.: **4#**
 DISTRICT: COUNTY: **Rooks** STATE: **KS** D. P. STRING NO.: **1#** SIZE: **4 1/2 XH**

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3298	3414	SH + LM	85/90	38000	700	RYAN HART	8
SLOPE TEST @ 3275'							8
DEG. OFF 2'							8

REMARKS: 1:00-1:30 DRIG. 1:30-2:00 Repair's Rotary Chain, 1/2 HR
 2:00-5:00 DRIG. 5:00-6:00 C.F.S. 3386' 6:00-7:00 DRIG

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3404	3404	Shale				Nick Osborne	1
SLOPE TEST @							1
DEG. OFF							1

REMARKS: 7:00-8:15 C.F.S. 3404 8:15-9:15 Repair's 9:15
 9:30-10:00 DRIG. 10:00-10:45 DRIG. 11:00-1:00 C.F.S. 3404
 1:00-1:45 DRIG. 1:45-2:00 DRIG. 2:00-2:30 DRIG. 2:30-3:00 DRIG.

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3404	3515	Shale + lime	45	38000	100	Art Marcotte	8
SLOPE TEST @							8
DEG. OFF							8

REMARKS: 3:00-3:15 DRIG. 3:15-4:30 DRIG. 4:30-5:30 C.F.S. 3428
 5:30-6:30 DRIG. 6:30-10:45 DRIG. 10:45-11:00 C.F.S. 3515

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DAILY DRILLING REPORT

CONTRACTOR: W.W. DRILLING LLC
 DATE: 08-05-08
 COMPANY: Black Diamond Oil Co. LEASE: DRY DEN
 WELL NO. 1# RIG NO. 4#
 DISTRICT: COUNTY: ROOKS STATE: KS
 D. P. STRING NO. SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3515		sd-SH-LM	85	3800		RYAN HART	8
	3515				1700	TIM LUMPKIN SR.	8
						JACK THAYER	8

SLOPE TEST: 275' @ 20' DEG. OFF
 ACCIDENT: (GIVE NAME) Co. time 8 HR

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	# 778	WEIGHT	51	DRILLING	5-1	SIZE D. P.	
SIZE	778	VISC.	2.0	CORING	1	SIZE COLL.	
MAKE	Smith	WTR. LOSS-C.C.	1	OTHER CFS	1	JTS. D. P.	FT.
SERIAL NO.	PK6818	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	220	PH.	117	TRIP	6	COLLARS	FT.
HOURS RUN	76	MTL. ADDED (REMARKS)		TOTAL			

REMARKS: 11:00-12:00 C.F.S. 3515' 12:00-3:00 trip out for test #3
 MAKE UP TEST - G.I.H. 3:00-4:00 test #3 4:00-5:45 T.O.D.H.
 5:45-7:00 G.I.H. W/Bit

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3515		sd-SH-LM	85			Van Dyke	8
						G.I. Carter	8
						Cliff Carter	8

SLOPE TEST: @ 3612' FT. ACCIDENT: (GIVE NAME) 3612' (Co. time)

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	# 778	WEIGHT	4	DRILLING	4-1	SIZE D. P.	
SIZE	778	VISC.	2.1	CORING		SIZE COLL.	
MAKE	Smith	WTR. LOSS-C.C.		OTHER CFS	2-4	JTS. D. P.	FT.
SERIAL NO.	PK6818	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	220	PH.	117	TRIP	4	COLLARS	FT.
HOURS RUN	80 1/2	MTL. ADDED (REMARKS)		TOTAL			

REMARKS: 1:00-7:15 FT. and 7:15-9:30 D.H. 10:30-12:00 D.H. 12:00-2:45-3:45 3515' 12:00-1:30 D.H. 1:30-2:30 3515' 2:30-3:00 3515' 3:00-4:00 3515'

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3605	3612	sd-SH-LM	80		650	Art Marcotte	8
						Cliff Carter	8
						Mike Carter	8

SLOPE TEST: 10' @ 3612' FT. ACCIDENT: (GIVE NAME) 12:00 174 DEG. OFF 7:00 Co. time

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	# 778	WEIGHT	11	DRILLING	2-4	SIZE D. P.	14 1/2
SIZE	778	VISC.	5.8	CORING	1	SIZE COLL.	
MAKE	Smith	WTR. LOSS-C.C.		OTHER CFS	2-4	JTS. D. P.	FT.
SERIAL NO.	PK6818	FILTER CAKE		REPAIRS	1-2	KELLY DOWN	FT.
DEPTH IN	220	PH.		TRIP	1	COLLARS	FT.
HOURS RUN	81 1/2	MTL. ADDED (REMARKS)		TOTAL			

REMARKS: 3:00-3:45 D.H. 3:45-4:00 3515' 4:00-4:30 3515' 4:30-5:00 3515' 5:00-5:30 3515' 5:30-6:00 3515' 6:00-6:45 3515'

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DAILY DRILLING REPORT

43
 CONTRACTOR: **W.W. Drilling** DATE: **8-6-08**
 COMPANY: **Black Diamond** LEASE: **Dry Den** WELL NO. **1#** RIG NO. **4#**
 DISTRICT: COUNTY: **Rooks** STATE: **KS** D. P. STRING NO. **1#** SIZE: **4 1/2**

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3612	RTD					DM RYAN HART	
3612	LTD					EM T.M. LUNDQUIST SR	
						M JACK THAYER	
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	3612	VISC.		CORING		SIZE COLL.	
MAKE	230	WTR. LOSS-C.C.		OTHER	8	JTS. D. P.	FT.
SERIAL NO.	DRILLED 3392	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN		PH.		TRIP		COLLARS	FT.
HOURS RUN	8 1/2 Total	MTL. ADDED (REMARKS)					FT.

REMARKS: 11:00-12:00 ~~6 1/2~~ LAY DN 12:00 LAY DOWN D.P. 2:45
 2:45-3:30 GTH 3:30 CEMENT 3:45- LAY DOWN PIPE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
						DM NCK carbide	8
						EM 6 1/2	8
						M CLIT 6 1/2	8
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	4	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)			7	TOTAL	FT.

REMARKS: 7:00-8:00 ~~8 1/2~~ Tear down 8 1/2

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
						DM	
						EM	
						M	
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	81	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS:

APPROVED *[Signature]*

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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. 2465

Date	7.31-08	Sec.	9	Twp.	6	Range	19	Called Out		On Location		Job Start	3:30	Finish	4:00
Lease	DeWiden		Well No.	#1		Location	Zwickl, KS		County	KS	State	KS			
Contractor	W W Oil & Gas RIG #4						Owner	W to Hwy 24 2 1/2 W to Rd 9							
Type Job	3 5/8 SURFACE						To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Hole Size	12 1/4		T.D.	220			Charge To	BLACK DIAMOND OIL INC							
Csg.	3 5/8		Depth	213			Street								
Tbg. Size			Depth				City	State							
Drill Pipe			Depth				The above was done to satisfaction and supervision of owner agent or contractor.								
Tool			Depth												
Cement Left in Csg.	15'		Shoe Joint												
Press Max.			Minimum												
Meas Line			Displace	12.99											

CEMENT

EQUIPMENT			Amount Ordered	175 ST Common		
Pumptrk	5	No. Cementer Helper	Consisting of	20% CEL 30% CL		
Bulktrk	3	No. Driver	Common	175 ST 0		
Bulktrk	PJ	No. Driver	Poz. Mix			

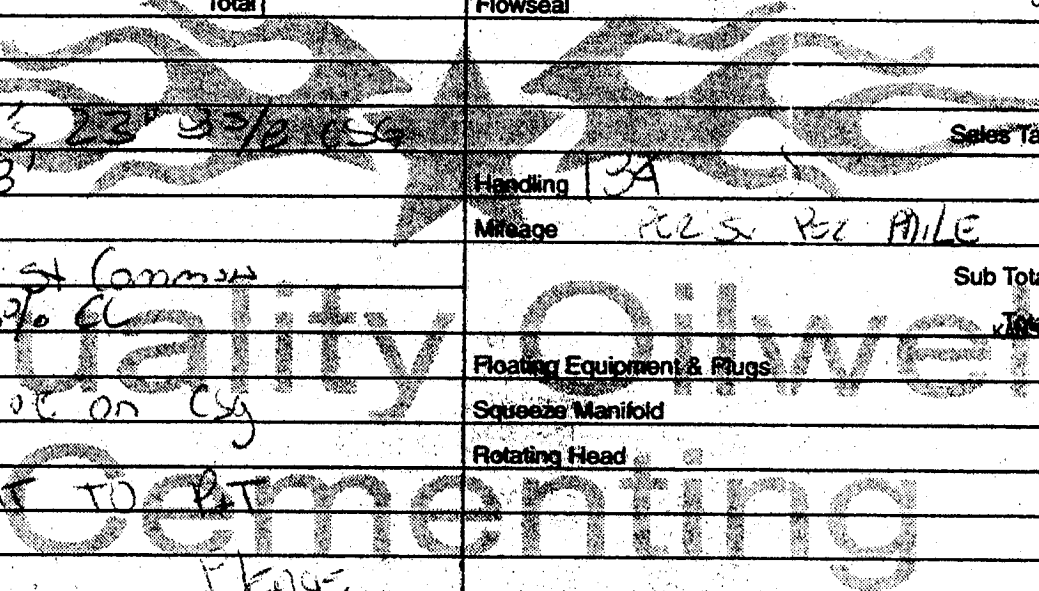
JOB SERVICES & REMARKS

Pumptrk Charge		Gel.	3 0
Mileage		Chloride	6 0
Footage		Hulls	
Total		Salt	
Remarks:		Flowseal	

Run 5 STS 23 2 3/8 Csg	Sales Tax	
set 213'	Handling	13A
Pump 175 ST Common	Mileage	202.5 PER MILE
20% CEL 30% CL	Sub Total	

Close Valve on Csg	Floating Equipment & Flugs	
CITC CNT TO PIT	Squeeze Manifold	
THANKS TODD 22W 12W	Rotating Head	
PLEASE CALL M. PIEN	Tax	

X Signature <i>Michael Piety</i>		Discount	
		Total Charge	



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PIPE TALLY

Date 7/30/08

Black Diamond

Company

Dyden #1

Lease

	Size <u>8 5/8</u>		New <input checked="" type="checkbox"/>		Used		Limited Service <input checked="" type="checkbox"/>		Weight <u>23</u>		Grade		Type <u>Imp</u>		Range <u>R3</u>	
	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Feet	In.	Feet	In.	Feet	In.
1	40	50														
2	50	50														
3	50	50														
4	50	50														
5	50	50														
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
Total	212	50														

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575
Total Number of Joints

Subtotal this page

212.50 GRAND TOTAL

Talled By

Received In Good Order By

Casing Head & Accessories

Other

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



PIPE TALLY

Date 7/30/08

Black Diamond

Company _____

Lease Dryden #1

Size <u>8 5/8</u>		New <input checked="" type="checkbox"/>		Used		Limited Service <input checked="" type="checkbox"/>		Weight <u>23</u>		Grade		Type		Range <u>R3</u>					
Column 1		Column 2		Column 3		Column 4		Column 5		Column 6		Column 7		Column 8		Column 9		Column 10	
Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.
1	40																		
2	50																		
3	50																		
4	50																		
5	50																		
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
Total		<u>212.50</u>																	

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WICHITA, KS

Subtotal this page _____

5/5
Total Number of Joints

212.50 GRAND TOTAL

Talked By [Signature]
Received In Good Order By [Signature]

Casing Head & Accessories Other

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



DRILLING MUD REPORT REPORT NO. _____

DATE 7-28-2008 DEPTH _____

APT WELL NO.	STATE	COUNTY	WELL	S/T

OPERATOR Black Diamond Oil CONTRACTOR WW RIG NO. 4

ADDRESS CO ADDRESS Rig SPUD DATE _____

REPORT FOR MR. Ken V. REPORT FOR MR. Kirby SECTION, TOWNSHIP, RANGE _____

WELL NAME AND NO. _____ FIELD OR BLOCK NO. _____ COUNTY AREA _____ STATE KS

Drilling Assembly			Casing	Mud Volume (BBL)		Circulation Data		
Bit Size <u>12 1/8</u>	No. Bits <u>2</u>	Jet Size <u>3/14</u>	Surface <u>6 1/8</u>	Fl.	Hole	Pits	Pump Size x in. <u>6 x 14</u>	Annular Vel (Ft/Min) DP <u>197</u> DC <u>356</u>
Drill Pipe Size <u>4 1/2</u>	Type <u>xh</u>	Length _____	Intermediate _____	Fl.	Total Circulating Volume _____		Pump Make, Model <u>60</u>	Assumed Efficiency _____
Drill Collar Size <u>6 1/4</u>	Length _____	No. Pits <u>3</u>	Production or Liner _____	Fl.	Mud Up Depth _____		Bbl/Stroke <u>137</u>	Stroke/Min. <u>60</u>
Bit RPM <u>60</u>	Weight on Bit <u>30000</u>	Present Activity _____	Mud Type <u>Chemical</u>		Bbl/Min. _____	Gal/Min. <u>310</u>	Total Circ Time (Min.) _____	
Last Bit No. _____					Elevation _____			

Sample from Flowline () Pit
 Flowing Temperature _____ F

MUD PROPERTIES

Time Sample Taken _____			
Depth (ft.) _____			
Weight <input type="checkbox"/> (ppg) <input type="checkbox"/> (lb./cu. ft.) _____			
Mud Gradient (psi/ft.) _____			
Funnel Viscosity (sec./qt.) API at _____ °F			
Plastic Viscosity cp at _____ °F			
Yield Point (lb./100 sq. ft.) _____			
Gel Strength (lb./100 sq. ft.) 10 sec./10 min. _____			
pH <input type="checkbox"/> Strip <input type="checkbox"/> Meter _____			
Filtrate API (ml/30 min.) _____			
API HP-HT Filtrate (ml/30 min.) _____ °F			
Cake Thickness 32nd in. API <input type="checkbox"/> HP - HT <input type="checkbox"/>			
Alkalinity, Mud (Pm) _____			
Alkalinity, Filtrate (Pl / Ml) _____			
Salt <input type="checkbox"/> ppm <input type="checkbox"/> Chloride <input type="checkbox"/> ppm			
Calcium <input type="checkbox"/> ppm <input type="checkbox"/> Gyp (ppb) _____			
Sand Content (% by Vol.) _____			
Solids Content (% by Vol.) _____			
Oil Content (% by Vol.) _____			
Water Content (% by Vol.) _____			
LCM, #/bbl _____			
Methylene Blue Capacity <input type="checkbox"/> (ml/ml mud) <input type="checkbox"/> (mg/gal mud)			

Mud Used: Sweep hole at 2400' + more if needed.

(M-Gel, 1-salash, 10 Halls)

or add PHVA for tight connections

Daily Cost _____ Cumulative Cost _____

MUD PROPERTIES SPECIFICATIONS

WEIGHT 9.5 VISCOSITY 3.5 needed FILTRATE VC

BY AUTHORITY: OPERATOR'S WRITTEN DRILLING CONTRACTOR
 OPERATOR'S REPRESENTATIVE OTHER

RECOMMENDED TREATMENT

Under surface control w/

9.5 or less mud plenty of

water & jet often.

Displacement Geobist request

"Fill From Full"

REMARKS: Thanks you

(Keep hole full)

Have premix plus #2 pit full of mud when ready to replace.

(Call when ready to Displace)

ENGINEER (Signature) - 1 WAREHOUSE LOCATION _____ TELEPHONE _____

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DRILLING MUD REPORT

REPORT NO. 2

DATE	<u>8-3</u>	20 <u>08</u>	DEPTH	<u>3264</u>
APT WELL NO.		STATE	COUNTY	WELL
				ST

OPERATOR <u>Black Diamond Oil</u>	CONTRACTOR <u>W W</u>	RIG NO. <u>4</u>
ADDRESS <u>CO</u>	ADDRESS <u>R-3</u>	SPUD DATE <u>7-30-08</u>
REPORT FOR MR. <u>Ken V.</u>	REPORT FOR MR. <u>Red</u>	SECTION, TOWNSHIP, RANGE <u>9-6-19</u>
WELL NAME AND NO. <u>Dryden #1</u>	FIELD OR BLOCK NO.	COUNTY AREA <u>Rooks</u>
		STATE <u>KS</u>

Drilling Assembly			Casing		Mud Volume (BBL)		Circulation Data		
Bit Size <u>7 7/8"</u>	No. Bits <u>2</u>	Jet Size <u>3/14</u>	Surface <u>220</u>	Hole <u>255</u>	Pits <u>320</u>	Pump Size <u>6 x 14</u>	Annular Vel (Ft/Min) <u>197</u>	DC <u>356</u>	
Drill Pipe Size <u>4 1/2</u>	Type <u>X5</u>	Length	Intermediate <u>0</u>	Total Circulating Volume <u>575</u>	Fl.	Pump Make, Model <u>2</u>	Assumed Eff. <u>70</u>	Circulation Pressure (PSI) <u>800+</u>	
Drill Collar Size <u>6 1/4</u>	Length	No. Pits <u>3</u>	Production or Liner <u>0</u>	Mud Up Depth <u>3029</u>	Fl.	Bbl/Stroke <u>1.79</u>	Stroke/Min <u>60</u>	Bottoms Up (Min.) <u>32+</u>	
Bit RPM <u>60</u>	Weight on Bit <u>30000</u>	Chemical <u>Pal</u>		Bbl/Min <u>3.36</u>	Gal/Min <u>2100</u>			Total Circ Time (Min.) <u>72+</u>	
Last Bit No.	Prespot Activity <u>100</u>	Mud Type <u>Pal</u>							

Sample from <input checked="" type="checkbox"/> Flowline () Pit		MUD PROPERTIES	
Flowing Temperature		F	
Time Sample Taken	<u>1:50 A.M.</u>		
Depth (ft.)	<u>324</u>		
Weight <input checked="" type="checkbox"/> (ppg) <input type="checkbox"/> (lb./cu. ft.)	<u>8.6</u>		
Mud Gradient (psi/ft.)	<u>4.47</u>		
Funnel Viscosity (sec./qt.) API at	<u>52</u>	°F	
Plastic Viscosity cp at	<u>20</u>	°F	
Yield Point (lb./100 sq. ft.)	<u>9</u>		
Gel Strength (lb./100 sq. ft.) 10 sec./10 min.	<u>3/18</u>		
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter	<u>11.7</u>		
Filtrate API (ml/30 min.)	<u>8.0</u>		
API HP-HT Filtrate (ml/30 min.)	<u>0</u>	°F	
Cake Thickness 32nd in. API <input checked="" type="checkbox"/> HP-HT <input type="checkbox"/>	<u>1/32</u>		
Alkalinity, Mud (Pm)	<u>2.7</u>		
Alkalinity, Filtrate (Pl / Mf)	<u>9.1</u>		
Salt <input type="checkbox"/> Chloride <input checked="" type="checkbox"/>	<u>800</u>		
Calcium <input checked="" type="checkbox"/> ppm <input type="checkbox"/> Gyp (ppb)	<u>15</u>		
Sand Content (% by Vol.)	<u>tr.</u>		
Solids Content (% by Vol.)	<u>1.9</u>		
Oil Content (% by Vol.)	<u>0</u>		
Water Content (% by Vol.)	<u>96.1</u>		
LCM, #/bbl	<u>1/2 #</u>		
Methylene Blue Capacity			

Mud Used:	
<u>260-Gel</u>	<u>3237.00</u>
<u>49-Hulls</u>	<u>1026.55</u>
<u>20-Solids</u>	<u>437.00</u>
<u>9-Cement</u>	<u>486.00</u>
<u>2-Lignite</u>	<u>207.00</u>
<u>2-Lime</u>	<u>23.90</u>
<u>4-Water</u>	<u>1322.00</u>
Daily Cost	<u>\$6,739.45</u>
Cumulative Cost	<u>\$6,739.45</u>

MUD PROPERTIES SPECIFICATIONS		
WEIGHT	<u>9.5</u>	VISCOSITY
		<u>50+</u>
FILTRATE	<u>10cc</u>	
BY AUTHORITY: <input type="checkbox"/> OPERATOR'S WRITTEN <input type="checkbox"/> DRILLING CONTRACTOR		
<input type="checkbox"/> OPERATOR'S REPRESENTATIVE <input type="checkbox"/> OTHER		

RECOMMENDED TREATMENT	
<input type="checkbox"/>	<u>50+ vis/6el</u>
<input type="checkbox"/>	
<input type="checkbox"/>	<u>lean as needed</u>
<input type="checkbox"/>	
<input type="checkbox"/>	<u>wt. 9.5 or less minus 1/2" screen</u>
<input type="checkbox"/>	<u>0.5 water at + b.w. line to</u>
<input type="checkbox"/>	<u>control wt.</u>

REMARKS: Thank you
Premix: 80 bbls fresh water
mix - 23-Gel
4-Solids
9-Cement
2-Lignite
2-Solids of Drilling
10-Hulls
Jet hole in system
add premix - it → 3450 ft
cut 1" - 1/2" to 1" - 1/2"
Reserve bit:
Chlorides - 1200
Calcium - 900
Volamine - 400
Short trip prior to D.T. Log
Circulate hole clean
"Keep hole full"
Good D. Placement

THE RECOMMENDATIONS MADE HEREON SHALL NOT BE CONSTRUED AS AUTHORIZING THE INFRINGEMENT OF ANY VALID PATENT, AND ARE MADE WITHOUT ASSUMPTION OF ANY LIABILITY BY ANDY'S MUD & CHEMICAL CO., OR ITS AGENTS, AND ARE STATEMENTS OF OPINION ONLY.

ENGINEER <u>Rob. West</u>	WAREHOUSE LOCATION <u>625-3531</u>	TELEPHONE
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 KANSAS CORPORATION COMMISSION
 NOV 05 2008
 CONSERVATION DIVISION
 WICHITA, KS



DRILLING MUD REPORT REPORT NO. 3

DATE 8-4 2008 DEPTH 3404

APT WELL NO.	STATE	COUNTY	WELL	S/T

OPERATOR Black Diamond Oil CONTRACTOR WW RIG NO. 4

ADDRESS CO ADDRESS R.3 SPUD DATE 7-30-08

REPORT FOR MR. Ken V. REPORT FOR MR. Red SECTION, TOWNSHIP, RANGE 9-6-19

WELL NAME AND NO. Dryden #1 FIELD OR BLOCK NO. COUNTY AREA STATE KS

Drilling Assembly			Casing		Mud Volume (BBL)		Circulation Data		
Bit Size <u>7 7/8"</u>	No. Bits <u>2</u>	Jet Size <u>3/14</u>	Surface <u>6 3/4"</u>	Hole <u>264</u>	Pipe <u>320</u>	Pump Size x in. <u>6 x 14</u>	Annular Vel (Ft/Min) DP <u>197</u>	Assumed Eff. <u>70</u>	Circulation Pressure (PSI) <u>3204</u>
Drill Pipe Size <u>4 1/2"</u>	Type <u>1h</u>	Length	Intermediate <u>0</u>	FL	Total Circulating Volume <u>384</u>	Pump Make, Model	Bottoms Up (Min.) <u>33+</u>		
Drill Collar Size <u>6 1/4"</u>	Length	No. Pits <u>3</u>	Production or Liner <u>0</u>	FL	Mud/Lip Depth <u>3029</u>	Bbl/Stroke <u>1.57</u>	Stroke/Min. <u>60</u>		Total Circ Time (Min.) <u>73+</u>
Bit RPM <u>60</u>	Weight on Bit <u>3000</u>	Present Activity <u>Dr-19</u>	Mud Type <u>PWC</u>		Elevation <u>2100</u>				

Sample from Flowline () Pit
 Flowing Temperature F

MUD PROPERTIES

Time Sample Taken	<u>8:00 A.M.</u>
Depth (ft.)	<u>3404</u>
Weight <input checked="" type="checkbox"/> (ppg) <input type="checkbox"/> (lb./cu. ft.)	<u>8.8+</u> ✓
Mud Gradient (psi/ft.)	<u>1.458</u>
Funnel Viscosity (sec./qt.) API at °F	<u>51</u> ✓
Plastic Viscosity cp at / °F	<u>23</u>
Yield Point (lb./100 sq. ft.)	<u>1.3</u>
Gel Strength (lb./100 sq. ft.) 10 sec./10 min.	<u>3.17</u> 1 1
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter	<u>11.5</u>
Filtrate API (ml./30 min.)	<u>8.0</u> ✓
API HP-HT Filtrate (ml/30 min.) °F	
Cake Thickness 32nd in. API <input checked="" type="checkbox"/> HP - HT <input type="checkbox"/>	<u>1/32</u>
Alkalinity, Mud (Pm)	<u>2.6</u>
Alkalinity, Filtrate (Pl / Mf)	<u>8.8</u> 1 1
Salt <input checked="" type="checkbox"/> Chloride <input type="checkbox"/> Gyp	<u>800</u> L
Calcium <input checked="" type="checkbox"/> ppm <input type="checkbox"/> Gyp (ppb)	<u>30</u>
Sand Content (% by Vol.)	<u>16</u>
Solids Content (% by Vol.)	<u>13.4</u>
Oil Content (% by Vol.)	
Water Content (% by Vol.)	<u>96.6</u>
LCM, #/bbl	<u>34#</u>
Methylene Blue Capacity <input type="checkbox"/> (total mud) <input type="checkbox"/> (equiv. 40% bent.)	

Mud Used: 17-2-21 124.50

Daily Cost \$124.50 Cumulative Cost \$6863.95

MUD PROPERTIES SPECIFICATIONS

WEIGHT <u>9.5-</u>	VISCOSITY <u>50+</u>	FILTRATE <u>10cc</u>
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BY AUTHORITY: OPERATOR'S WRITTEN DRILLING CONTRACTOR
 OPERATOR'S REPRESENTATIVE OTHER

RECOMMENDED TREATMENT

- 50+ Vis/line
-
- LCM as needed.
-
- wt. 9.5 or less runs 1/2' stream
- of water at flowline to
- control wt.

REMARKS:

"Thank you" Premix: top with p. + mud
 mix - 60 + Vis / line
 2 - Soda ash
 1 - caustic
 1 - lime
 1/2 - sack of Dispers
 12 - Hulls

Short trip prior to DST, Log
 Circulate hole clean.

"Keep hole full" Add Premix to system
 for Vis or Density.

Good mud! (Keep 50+ Vis!)

THE RECOMMENDATIONS MADE HEREON SHALL NOT BE CONSTRUCTED AS AUTHORIZING THE INFRINGEMENT OF ANY VALID PATENT, AND ARE MADE WITHOUT ASSUMPTION OF ANY LIABILITY BY ANDY'S MUD & CHEMICAL CO., OR ITS AGENTS, AND ARE STATEMENTS OF OPINION ONLY.

ENGINEER Ruth Wark WAREHOUSE LOCATION 625-3531 TELEPHONE

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 CONSERVATION DIVISION
 WICHITA, KS



DRILLING MUD REPORT REPORT NO. 4

DATE 8-5-08 2008 DEPTH 3575

APT WELL NO.	STATE	COUNTY	WELL	S/T

OPERATOR <u>Black Diamond Oil</u>	CONTRACTOR <u>WLV</u>	RIG NO. <u>4</u>
ADDRESS <u>CO</u>	ADDRESS <u>R. 3</u>	SPUD DATE <u>7-30-08</u>
REPORT FOR MR. <u>Ken V.</u>	REPORT FOR MR. <u>Kod</u>	SECTION, TOWNSHIP, RANGE <u>9-6-19</u>
WELL NAME AND NO. <u>Dryden #1</u>	FIELD OR BLOCK NO. <u>1200KS</u>	COUNTY AREA <u>KS</u>

Drilling Assembly			Casing		Mud Volume (BBL)		Circulation Data		
Bit Size <u>7 7/8"</u>	No. Bits <u>2</u>	Jgt. Size <u>3 1/4"</u>	Surface <u>7 1/8" 22#</u>	Hole <u>375</u>	Pipe <u>330</u>	Pump Size - x in. <u>6 x 14</u>	Annular Vol. (Ft/Min) <u>197</u>	DP <u>354</u>	DC
Drill Pipe Size <u>4 1/2"</u>	Type <u>14</u>	Length	Intermediate	Total Circulating Volume <u>605</u>		Pump Make, Model	Assumed Eff. <u>90</u>	Circulation Pressure (PSI) <u>900</u>	
Drill Collar Size <u>6 1/4"</u>	Length	No. Pits <u>3</u>	Production or Liner	Mud Up Depth <u>3029</u>	Bbl/Stroke <u>1.37</u>	Strokes/Min. <u>6</u>	Bottoms Up (Min.) <u>35+</u>		
Bit RPM <u>60</u>	Weight on Bit <u>3000</u>	Mud Type <u>Chemical</u>		Bbl/Min. <u>3.0</u>	Gal/Min. <u>30</u>	Elevation <u>2100</u>	Total Circ Time (Min.) <u>76+</u>		
Last Bit No.	Present Activity <u>D-19</u>								

Sample from <input checked="" type="checkbox"/> Flowline () Pit		MUD PROPERTIES	
Flowing Temperature	F		
Time Sample Taken	<u>11:00</u>	<u>A. 10</u>	
Depth (ft.)	<u>3575</u>		
Weight <input checked="" type="checkbox"/> (ppg) <input type="checkbox"/> (lb/cu. ft.)	<u>8.8</u>	<input checked="" type="checkbox"/>	
Mud Gradient (psi/ft.)	<u>1.58</u>		
Funnel Viscosity (sec./qt.) API at	<u>52</u>	<input checked="" type="checkbox"/>	
Plastic Viscosity cp at /	<u>28</u>	<input checked="" type="checkbox"/>	
Yield Point (lb./100 sq. ft.)	<u>14</u>		
Gel Strength (lb./100 sq. ft.) 10 sec./10 min.	<u>318</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter	<u>11.4</u>		
Filtrate API (ml./30 min.)	<u>8.0</u>	<input checked="" type="checkbox"/>	
API HP-HT Filtrate (ml/30 min.)			
Cake Thickness 32nd in. API <input checked="" type="checkbox"/> HP - HT <input type="checkbox"/>	<u>1.2</u>		
Alkalinity, Mud (Pm)	<u>2.7</u>		
Alkalinity, Filtrate (Pf / Mf)	<u>9.1</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Salt <input checked="" type="checkbox"/> ppm <input type="checkbox"/> Chloride <input type="checkbox"/> ppm	<u>1000</u>		
Calcium <input checked="" type="checkbox"/> ppm <input type="checkbox"/> Gyp (ppb)	<u>20</u>		
Sand Content (% by Vol.)	<u>4</u>		
Solids Content (% by Vol.)	<u>3.4</u>		
Oil Content (% by Vol.)			
Water Content (% by Vol.)	<u>76.6</u>		
LCM, #/bbl	<u>1#</u>		
Methylene Blue Capacity			

Mud Used:	
Daily Cost	<u>-0-</u>
Cumulative Cost	<u>\$6739.45</u>

MUD PROPERTIES SPECIFICATIONS		
WEIGHT <u>9.5</u>	VISCOSITY <u>50+</u>	FILTRATE <u>10 cc</u>
BY AUTHORITY: <input type="checkbox"/> OPERATOR'S WRITTEN <input type="checkbox"/> DRILLING CONTRACTOR		
<input type="checkbox"/> OPERATOR'S REPRESENTATIVE <input type="checkbox"/> OTHER		
RECOMMENDED TREATMENT		
<input checked="" type="checkbox"/> <u>50+ Vis / 1-1</u>		
<input type="checkbox"/>		
<input type="checkbox"/> <u>Losses needed</u>		
<input type="checkbox"/>		
<input type="checkbox"/> <u>wt 9.5 or less plus 1/2"</u>		
<input type="checkbox"/> <u>Strength + water + fluid</u>		
<input type="checkbox"/> <u>to control wt.</u>		

REMARKS:

"Thank you" Keep 50+ Vis for Log!

Short trip prior to DST Log Sack up Pit mud

Circulate hole clean. add Gel as needed

"Keep hole full" mix - 10 Huls

(mix - 2-Desco with

Cement plus 1)

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ENGINEER Kurt Johnson WAREHOUSE LOCATION 6-5-3-31 TELEPHONE