

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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: Discovery Drilling Co., Inc.
License: 31548
Wellsite Geologist: Tony Richardson

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW 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>10/11/2007</u>	<u>10/16/2007</u>	<u>10/17/2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 163-23,647-0000
County: Rooks
W/2 - W/2 - SE Sec. 5 Twp. 8 S. R. 20 East West
1400 feet from (S) / N (circle one) Line of Section
2510 feet from (E) / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Thyland Well #: 1
Field Name: Wildcat

Producing Formation: _____
Elevation: Ground: 1940 Kelly Bushing: 1948
Total Depth: 3512 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 223.05 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 3507.96
feet depth to Surface w/ 350 sx cmt.
(15sks In Rat Hole)(10sks In Mouse Hole)

Drilling Fluid Management Plan *Act II with 2-25-08*
(Data must be collected from the Reserve Pit)
Chloride content 11,000 ppm Fluid volume 240 bbls
Dewatering method used Hauled free fluid
Location of fluid disposal if hauled offsite: _____
Operator Name: Black Diamond Oil
Lease Name: Vehige #1 SWD 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: 2-1-2008
Subscribed and sworn to before me this 2nd day of February,
20 08.
Notary Public: [Signature]
Date Commission Expires: 5/21/2011

KCC Office Use ONLY

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

RECEIVED
KANSAS CORPORATION COMMISSION
FEB 07 2008
CONSERVATION DIVISION
WICHITA, KS

Operator Name: Black Diamond Oil, Inc. Lease Name: Thyland Well #: 1
 Sec. 5 Twp. 8 S. R. 20 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.

<p>Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i></p> <p>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i></p> <p>List All E. Logs Run: Sonic, Dual Induction, Micro, Neutron Density</p>	<p><input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Name</td> <td style="width: 20%;">Top</td> <td style="width: 20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1456</td> <td>+492</td> </tr> <tr> <td>Topeka</td> <td>2924</td> <td>-976</td> </tr> <tr> <td>Heebner</td> <td>3128</td> <td>-1180</td> </tr> <tr> <td>Lansing/KC</td> <td>3166</td> <td>-1218</td> </tr> <tr> <td>Arbuckle</td> <td>3452</td> <td>-1504</td> </tr> </table>	Name	Top	Datum	Anhydrite	1456	+492	Topeka	2924	-976	Heebner	3128	-1180	Lansing/KC	3166	-1218	Arbuckle	3452	-1504
Name	Top	Datum																	
Anhydrite	1456	+492																	
Topeka	2924	-976																	
Heebner	3128	-1180																	
Lansing/KC	3166	-1218																	
Arbuckle	3452	-1504																	

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface Pipe	12 1/4	8 5/8	20	223.05	Common	150	2%Gel&3%CC
Production St.	7 7/8	5 1/2	14	3507.96	SMDC	350	

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 checked="" type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	3474	SMD	NA	

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
4	3377-81	250 MCA 15% and 1500 gal 28%	

TUBING RECORD		Size Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2 7/8		3450			
Date of First, Resumerd Production, SWD or Enhr. 1/4/08		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	25	0	5		32

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input checked="" type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	

RECEIVED
 KANSAS CORPORATION COMMISSION
FEB 07 2008
 CONSERVATION DIVISION
 WICHITA, KS

DAILY DRILLING REPORT

NEWELL 43-5 BOX 900 TULSA OK 74101

CONTRACTOR

Discovery Drilling Co. Inc.

DATE

Wed
10-17-07

COMPANY

Black diamond oil co.

LEASE

THy Land

WELL NO.

RIG NO.

D. P. STRING NO.

SIZE

DISTRICT

COUNTY

Rooks

STATE

KS

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3436	3512	RTD shale & Lign, Avb, Grant	80	40000	750	Kenny Jones	8
		(2 3/4 HRS Logwork)				Stanton Lovelady	8
						Dave Bethel	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
W	FT						
DEG. OFF						Terry Jones	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	2	WEIGHT	9.6	DRILLING	3 1/2	SIZE D. P.	
SIZE	7 3/8 RR	VISC.	60	CORING	1 1/4	SIZE COLL.	
MAKE	OX 20C	WTR. LOSS-C.C.		OTHER	VRIG	ITS. D. P.	FT
SERIAL NO	5126011	FILTER CAKE		TRIP	DS 1 1/2	KELLY DOWN	FT
DEPTH IN	223	PH.		TRIP	DS 1 1/2	COLLARS	FT
HOURS RUN	6 1/2	MTL. ADDED (REMARKS)		TRIP	DS 1 1/2	TOTAL	15

11:00-11:30 W/BIT 1139-1200 Drill 1200-1250 @ 3446 VRIG 1200-1230 Drill 1230-1245 CFS @ 458
145-400 Drill 400-515 @ 3503 Broke Pumped PMS Drill out 515-600 Drill 600-700 CFS @ 3512 RTD

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3512	RTD					Larry Mlinek	8
3513	LTD	Log Tech				Randy Bassall	8
		(8 HRS Logwork)				Jay Corv	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
W	FT						
DEG. OFF						(50) Sg) Range	

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO		WEIGHT		DRILLING	2 1/2	SIZE D. P.	
SIZE		VISC.		CORING	1	SIZE COLL.	
MAKE		WTR. LOSS-C.C.		OTHER	Spur Bar	ITS. D. P.	FT
SERIAL NO		FILTER CAKE		TRIP	Out to 133	KELLY DOWN	FT
DEPTH IN		PH.		TRIP	Out to 133	COLLARS	FT
HOURS RUN		MTL. ADDED (REMARKS)		TRIP	Loss in 2 1/2	TOTAL	FT

7:00-7:15 W/BIT 1139-1200 Drill 1200-1250 @ 3446 VRIG 1200-1230 Drill 1230-1245 CFS @ 458
145-400 Drill 400-515 @ 3503 Broke Pumped PMS Drill out 515-600 Drill 600-700 CFS @ 3512 RTD

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3512	RTD					Justin Bunting	10
		(7 3/4 HRS Logwork)				Cory Adairson	10
						Chad May Field	10
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
W	FT						
DEG. OFF						Jason Showalter	10

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		ITS. D. P.	FT
SERIAL NO		FILTER CAKE		REPAIRS		KELLY DOWN	FT
DEPTH IN		PH.		TRIP		COLLARS	FT
HOURS RUN		MTL. ADDED (REMARKS)		TRIP		TOTAL	FT

5:00-5:30 W/BIT 1139-1200 Drill 1200-1250 @ 3446 VRIG 1200-1230 Drill 1230-1245 CFS @ 458
145-400 Drill 400-515 @ 3503 Broke Pumped PMS Drill out 515-600 Drill 600-700 CFS @ 3512 RTD
5:00-5:30 Changeover to Re 5 1/2 6:30-8:00 Run 5 1/2
8:00-8:15 Pump Cement 8:15-8:45 Cement 5 1/2 8:45-10:15 Cement 5 1/2 10:15-10:45
SET SLIPS 10:45-11:00 TEAR DOWN, STAYOVER & FINISH TEAR DOWN.

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TOOL RECEIVED
KANSAS CORPORATION COMMISSION

FEB 07 2008

CONSERVATION DIVISION
WICHITA, KS

DAILY DRILLING REPORT

CONTRACTOR
Discovery Drilling Co. Inc.

DATE
10-16-07

COMPANY
Black diamond oil

LEASE
THY LAND

WELL NO.
1

RIG NO.
1

DISTRICT

COUNTY

STATE

D. M. STRING NO.

SIZE

ROOKS

KS

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3309	3395	Lime shale	80	40000	750	Kenny Jones	8
		(3 1/4 hrs down)				Stanton Lovelady	8
						DAVE Bethel	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
6"	FT						
DEG. OFF							
						(25) Terry Jones	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	2	WEIGHT	9.5 9.4	DRILLING	6 3/4	SIZE D. P.	6el 10
SIZE	7 3/8 PR	VISC.	55+ 55	CORING	1/4	SIZE COLL.	
MAKE	Gx20C	WTR. LOSS-C.C.		OTHER	1/4	ITS. D. P.	FT.
SERIAL NO	5126011	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	223	PH		TRIP		COLLARS	FT.
HOURS RUN	63 3/4	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 1100-1145 Drill 1145-1200 @ 3320 VRIG/Jet Hole 1200-415 Drill 415-500 CFS @ 3370 500-700 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3395	3436	Shale + lime	80	40000	750	Larry Williams	8
		(5 1/4 hrs down)				Dusty Rozear	8
						Randy Bassell	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
6"	FT	DST#3 3345-3436					
DEG. OFF							
						(30) Sybil Romo	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	2	WEIGHT		DRILLING	2 1/2	SIZE D. P.	10-3/8
SIZE	7 3/8	VISC.		CORING	2 1/2	SIZE COLL.	
MAKE	Gx20C	WTR. LOSS-C.C.		OTHER	1/4	ITS. D. P.	FT.
SERIAL NO	5126011	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	223	PH		TRIP		COLLARS	FT.
HOURS RUN	66 1/4	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 7:00 to 8:00 Drill 8:00 to 8:15 S.R. 8:15 to 9:00 Drill 9:00 to 9:15 S.R. 3426 9:15 to 9:30 Drill 9:30 to 9:45 S.R. 3426 9:45 to 10:00 Drill 10:00 to 10:15 S.R. 3426 10:15 to 10:30 Drill 10:30 to 10:45 S.R. 3426

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3436						Justin Bunting	8
						Cory Adanson	8
						Chad Mayfield	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
6"	FT	DST#3 3345-3436					
DEG. OFF		415-415-75-75					
		300' GNP 120' FO 60' MCO				(35) Jason Showalter	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT		DRILLING		SIZE D. P.	
SIZE	7 3/8	VISC.		CORING		SIZE COLL.	
MAKE	Gx20C	WTR. LOSS-C.C.		OTHER		ITS. D. P.	FT.
SERIAL NO	5126011	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	223	PH		TRIP	WOO 1/2	COLLARS	FT.
HOURS RUN	66 1/4	MTL. ADDED (REMARKS)			DST#3 7 1/2	TOTAL	FT.

REMARKS: 5:00-5:30 Drill 5:30-6:15 S.R. 6:15-7:00 Drill 7:00-7:30 Drill 7:30-8:45 All Test + Comp. 8:45-9:00 Drill 9:00-9:30 WOO 9:30-10:00 Drill

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 KANSAS CORPORATION COMMISSION

FEB 07 2008

CONSERVATION DIVISION
 WICHITA, KS

DAILY DRILLING REPORT

CONTRACTOR
Discovery Drilling Co. INC.

MON.

DATE
10-15-07

COMPANY
Black diamond oil co.

LEASE
THyLand

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

DISTRICT
 COUNTY
ROOKS STATE
KS

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3220						Kenny James	8
						Stanton Love lady	8
						DAVE Bethel	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
@ 3220 FT		Strip Short .73					
1° DEL. OFF		DST#1 3192-3220 28' Anchor					
		30-30-45-45 R 6'01 50'0CM 285W				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	GX	WTR. LOSS-C.C.		OTHER	DST#1 8	ITS 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: 1100-1130 OUT W/BIT 1130-1145 MAKE UPTOOL 1145-100 IN W TOO 100-330 TESTING 330-500 OUT W/BIT 500-530 LAY DOWN TOOL 530-545 CLEAN FLOW 545-700 IN W/BIT

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3220	3245	Shale & Lime	80	4000	750	Dusty Rozeon	8
						Randy Borsgal	8
						Joe Patton	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
@ FT		DST#2 3231-3245					
DEL. OFF		DST#1 3192-3220					
		15-30				Syl Rame	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	2	WEIGHT	92	DRILLING	2	SIZE D. P.	
SIZE	7 7/8 RR	VISC.	55+	CORING		SIZE COLL.	
MAKE	GX 20 E	WTR. LOSS-C.C.		OTHER	130	ITS D. P.	FT
SERIAL NO.	5121011	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	223	PH.		TRIP	DST#2 3 3/4	COLLARS	FT.
HOURS RUN	52 1/4	MTL. ADDED (REMARKS)		TOTAL	DST#1 1/2	TOTAL	FT.

REMARKS: 2100-2130 Trip out 2130-2145 DST 2145-2150 Drill 2150-2155 2155-2158 2158-2159 2159-2160 2160-2161 2161-2162 2162-2163 2163-2164 2164-2165 2165-2166 2166-2167 2167-2168 2168-2169 2169-2170 2170-2171 2171-2172 2172-2173 2173-2174 2174-2175 2175-2176 2176-2177 2177-2178 2178-2179 2179-2180 2180-2181 2181-2182 2182-2183 2183-2184 2184-2185 2185-2186 2186-2187 2187-2188 2188-2189 2189-2190 2190-2191 2191-2192 2192-2193 2193-2194 2194-2195 2195-2196 2196-2197 2197-2198 2198-2199 2199-2200 2200-2201 2201-2202 2202-2203 2203-2204 2204-2205 2205-2206 2206-2207 2207-2208 2208-2209 2209-2210 2210-2211 2211-2212 2212-2213 2213-2214 2214-2215 2215-2216 2216-2217 2217-2218 2218-2219 2219-2220 2220-2221 2221-2222 2222-2223 2223-2224 2224-2225 2225-2226 2226-2227 2227-2228 2228-2229 2229-2230 2230-2231 2231-2232 2232-2233 2233-2234 2234-2235 2235-2236 2236-2237 2237-2238 2238-2239 2239-2240 2240-2241 2241-2242 2242-2243 2243-2244 2244-2245 2245-2246 2246-2247 2247-2248 2248-2249 2249-2250 2250-2251 2251-2252 2252-2253 2253-2254 2254-2255 2255-2256 2256-2257 2257-2258 2258-2259 2259-2260 2260-2261 2261-2262 2262-2263 2263-2264 2264-2265 2265-2266 2266-2267 2267-2268 2268-2269 2269-2270 2270-2271 2271-2272 2272-2273 2273-2274 2274-2275 2275-2276 2276-2277 2277-2278 2278-2279 2279-2280 2280-2281 2281-2282 2282-2283 2283-2284 2284-2285 2285-2286 2286-2287 2287-2288 2288-2289 2289-2290 2290-2291 2291-2292 2292-2293 2293-2294 2294-2295 2295-2296 2296-2297 2297-2298 2298-2299 2299-2300 2300-2301 2301-2302 2302-2303 2303-2304 2304-2305 2305-2306 2306-2307 2307-2308 2308-2309 2309-2310 2310-2311 2311-2312 2312-2313 2313-2314 2314-2315 2315-2316 2316-2317 2317-2318 2318-2319 2319-2320 2320-2321 2321-2322 2322-2323 2323-2324 2324-2325 2325-2326 2326-2327 2327-2328 2328-2329 2329-2330 2330-2331 2331-2332 2332-2333 2333-2334 2334-2335 2335-2336 2336-2337 2337-2338 2338-2339 2339-2340 2340-2341 2341-2342 2342-2343 2343-2344 2344-2345 2345-2346 2346-2347 2347-2348 2348-2349 2349-2350 2350-2351 2351-2352 2352-2353 2353-2354 2354-2355 2355-2356 2356-2357 2357-2358 2358-2359 2359-2360 2360-2361 2361-2362 2362-2363 2363-2364 2364-2365 2365-2366 2366-2367 2367-2368 2368-2369 2369-2370 2370-2371 2371-2372 2372-2373 2373-2374 2374-2375 2375-2376 2376-2377 2377-2378 2378-2379 2379-2380 2380-2381 2381-2382 2382-2383 2383-2384 2384-2385 2385-2386 2386-2387 2387-2388 2388-2389 2389-2390 2390-2391 2391-2392 2392-2393 2393-2394 2394-2395 2395-2396 2396-2397 2397-2398 2398-2399 2399-2400 2400-2401 2401-2402 2402-2403 2403-2404 2404-2405 2405-2406 2406-2407 2407-2408 2408-2409 2409-2410 2410-2411 2411-2412 2412-2413 2413-2414 2414-2415 2415-2416 2416-2417 2417-2418 2418-2419 2419-2420 2420-2421 2421-2422 2422-2423 2423-2424 2424-2425 2425-2426 2426-2427 2427-2428 2428-2429 2429-2430 2430-2431 2431-2432 2432-2433 2433-2434 2434-2435 2435-2436 2436-2437 2437-2438 2438-2439 2439-2440 2440-2441 2441-2442 2442-2443 2443-2444 2444-2445 2445-2446 2446-2447 2447-2448 2448-2449 2449-2450 2450-2451 2451-2452 2452-2453 2453-2454 2454-2455 2455-2456 2456-2457 2457-2458 2458-2459 2459-2460 2460-2461 2461-2462 2462-2463 2463-2464 2464-2465 2465-2466 2466-2467 2467-2468 2468-2469 2469-2470 2470-2471 2471-2472 2472-2473 2473-2474 2474-2475 2475-2476 2476-2477 2477-2478 2478-2479 2479-2480 2480-2481 2481-2482 2482-2483 2483-2484 2484-2485 2485-2486 2486-2487 2487-2488 2488-2489 2489-2490 2490-2491 2491-2492 2492-2493 2493-2494 2494-2495 2495-2496 2496-2497 2497-2498 2498-2499 2499-2500 2500-2501 2501-2502 2502-2503 2503-2504 2504-2505 2505-2506 2506-2507 2507-2508 2508-2509 2509-2510 2510-2511 2511-2512 2512-2513 2513-2514 2514-2515 2515-2516 2516-2517 2517-2518 2518-2519 2519-2520 2520-2521 2521-2522 2522-2523 2523-2524 2524-2525 2525-2526 2526-2527 2527-2528 2528-2529 2529-2530 2530-2531 2531-2532 2532-2533 2533-2534 2534-2535 2535-2536 2536-2537 2537-2538 2538-2539 2539-2540 2540-2541 2541-2542 2542-2543 2543-2544 2544-2545 2545-2546 2546-2547 2547-2548 2548-2549 2549-2550 2550-2551 2551-2552 2552-2553 2553-2554 2554-2555 2555-2556 2556-2557 2557-2558 2558-2559 2559-2560 2560-2561 2561-2562 2562-2563 2563-2564 2564-2565 2565-2566 2566-2567 2567-2568 2568-2569 2569-2570 2570-2571 2571-2572 2572-2573 2573-2574 2574-2575 2575-2576 2576-2577 2577-2578 2578-2579 2579-2580 2580-2581 2581-2582 2582-2583 2583-2584 2584-2585 2585-2586 2586-2587 2587-2588 2588-2589 2589-2590 2590-2591 2591-2592 2592-2593 2593-2594 2594-2595 2595-2596 2596-2597 2597-2598 2598-2599 2599-2600 2600-2601 2601-2602 2602-2603 2603-2604 2604-2605 2605-2606 2606-2607 2607-2608 2608-2609 2609-2610 2610-2611 2611-2612 2612-2613 2613-2614 2614-2615 2615-2616 2616-2617 2617-2618 2618-2619 2619-2620 2620-2621 2621-2622 2622-2623 2623-2624 2624-2625 2625-2626 2626-2627 2627-2628 2628-2629 2629-2630 2630-2631 2631-2632 2632-2633 2633-2634 2634-2635 2635-2636 2636-2637 2637-2638 2638-2639 2639-2640 2640-2641 2641-2642 2642-2643 2643-2644 2644-2645 2645-2646 2646-2647 2647-2648 2648-2649 2649-2650 2650-2651 2651-2652 2652-2653 2653-2654 2654-2655 2655-2656 2656-2657 2657-2658 2658-2659 2659-2660 2660-2661 2661-2662 2662-2663 2663-2664 2664-2665 2665-2666 2666-2667 2667-2668 2668-2669 2669-2670 2670-2671 2671-2672 2672-2673 2673-2674 2674-2675 2675-2676 2676-2677 2677-2678 2678-2679 2679-2680 2680-2681 2681-2682 2682-2683 2683-2684 2684-2685 2685-2686 2686-2687 2687-2688 2688-2689 2689-2690 2690-2691 2691-2692 2692-2693 2693-2694 2694-2695 2695-2696 2696-2697 2697-2698 2698-2699 2699-2700 2700-2701 2701-2702 2702-2703 2703-2704 2704-2705 2705-2706 2706-2707 2707-2708 2708-2709 2709-2710 2710-2711 2711-2712 2712-2713 2713-2714 2714-2715 2715-2716 2716-2717 2717-2718 2718-2719 2719-2720 2720-2721 2721-2722 2722-2723 2723-2724 2724-2725 2725-2726 2726-2727 2727-2728 2728-2729 2729-2730 2730-2731 2731-2732 2732-2733 2733-2734 2734-2735 2735-2736 2736-2737 2737-2738 2738-2739 2739-2740 2740-2741 2741-2742 2742-2743 2743-2744 2744-2745 2745-2746 2746-2747 2747-2748 2748-2749 2749-2750 2750-2751 2751-2752 2752-2753 2753-2754 2754-2755 2755-2756 2756-2757 2757-2758 2758-2759 2759-2760 2760-2761 2761-2762 2762-2763 2763-2764 2764-2765 2765-2766 2766-2767 2767-2768 2768-2769 2769-2770 2770-2771 2771-2772 2772-2773 2773-2774 2774-2775 2775-2776 2776-2777 2777-2778 2778-2779 2779-2780 2780-2781 2781-2782 2782-2783 2783-2784 2784-2785 2785-2786 2786-2787 2787-2788 2788-2789 2789-2790 2790-2791 2791-2792 2792-2793 2793-2794 2794-2795 2795-2796 2796-2797 2797-2798 2798-2799 2799-2800 2800-2801 2801-2802 2802-2803 2803-2804 2804-2805 2805-2806 2806-2807 2807-2808 2808-2809 2809-2810 2810-2811 2811-2812 2812-2813 2813-2814 2814-2815 2815-2816 2816-2817 2817-2818 2818-2819 2819-2820 2820-2821 2821-2822 2822-2823 2823-2824 2824-2825 2825-2826 2826-2827 2827-2828 2828-2829 2829-2830 2830-2831 2831-2832 2832-2833 2833-2834 2834-2835 2835-2836 2836-2837 2837-2838 2838-2839 2839-2840 2840-2841 2841-2842 2842-2843 2843-2844 2844-2845 2845-2846 2846-2847 2847-2848 2848-2849 2849-2850 2850-2851 2851-2852 2852-2853 2853-2854 2854-2855 2855-2856 2856-2857 2857-2858 2858-2859 2859-2860 2860-2861 2861-2862 2862-2863 2863-2864 2864-2865 2865-2866 2866-2867 2867-2868 2868-2869 2869-2870 2870-2871 2871-2872 2872-2873 2873-2874 2874-2875 2875-2876 2876-2877 2877-2878 2878-2879 2879-2880 2880-2881 2881-2882 2882-2883 2883-2884 2884-2885 2885-2886 2886-2887 2887-2888 2888-2889 2889-2890 2890-2891 2891-2892 2892-2893 2893-2894 2894-2895 2895-2896 2896-2897 2897-2898 2898-2899 2899-2900 2900-2901 2901-2902 2902-2903 2903-2904 2904-2905 2905-2906 2906-2907 2907-2908 2908-2909 2909-2910 2910-2911 2911-2912 2912-2913 2913-2914 2914-2915 2915-2916 2916-2917 2917-2918 2918-2919 2919-2920 2920-2921 2921-2922 2922-2923 2923-2924 2924-2925 2925-2926 2926-2927 2927-2928 2928-2929 2929-2930 2930-2931 2931-2932 2932-2933 2933-2934 2934-2935 2935-2936 2936-2937 2937-2938 2938-2939 2939-2940 2940-2941 2941-2942 2942-2943 2943-2944 2944-2945 2945-2946 2946-2947 2947-2948 2948-2949 2949-2950 2950-2951 2951-2952 2952-2953 2953-2954 2954-2955 2955-2956 2956-2957 2957-2958 2958-2959 2959-2960 2960-2961 2961-2962 2962-2963 2963-2964 2964-2965 2965-2966 2966-2967 2967-2968 2968-2969 2969-2970 2970-2971 2971-2972 2972-2973 2973-2974 2974-2975 2975-2976 2976-2977 2977-2978 2978-2979 2979-2980 2980-2981 2981-2982 2982-2983 2983-2984 2984-2985 2985-2986 2986-2987 2987-2988 2988-2989 2989-2990 2990-2991 2991-2992 2992-2993 2993-2994 2994-2995 2995-2996 2996-2997 2997-2998 2998-2999 2999-3000 3000-3001 3001-3002 3002-3003 3003-3004 3004-3005 3005-3006 3006-3007 3007-3008 3008-3009 3009-3010 3010-3011 3011-3012 3012-3013 3013-3014 3014-3015 3015-3016 3016-3017 3017-3018 3018-3019 3019-3020 3020-3021 3021-3022 3022-3023 3023-3024 3024-3025 3025-3026 3026-3027 3027-3028 3028-3029 3029-3030 3030-3031 3031-3032 3032-3033 3033-3034 3034-3035 3035-3036 3036-3037 3037-3038 3038-3039 3039-3040 3040-3041 3041-3042 3042-3043 3043-3044 3044-3045 3045-3046 3046-3047 3047-3048 3048-3049 3049-3050 3050-3051 3051-3052 3052-3053 3053-3054 3054-3055 3055-3056 3056-3057 3057-3058 3058-3059 3059-3060 3060-3061 3061-3062 3062-3063 3063-3064 3064-3065 3065-3066 3066-3067 3067-3068 3068-3069 3069-3070 3070-3071 3071-3072 3072-3073 3073-3074 3074-3075 3075-3076 3076-3077 3077-3078 3078-3079 3079-3080 3080-3081 3081-3082 3082-3083 3083-3084 3084-3085 3085-3086 3086-3087 3087-3088 3088-3089 3089-3090 3090-3091 3091-3092 3092-3093 3093-3094 3094-3095 3095-3096 3096-3097 3097-3098 3098-3099 3099-3100 3100-3101 3101-3102 3102-3103 3103-3104 3104-3105 3105-3106 3106-3107 3107-3108 3108-3109 3109-3110 3110-3111 3111-3112 3112-3113 3113-3114 3114-3115 3115-3116 3116-3117 3117-31

DAILY DRILLING REPORT

MECHANICAL 43-5 BOX 1400 TULSA OK 74101

CONTRACTOR

Discovery Drilling Co. Inc.

DATE

SUN.

10-14-07

COMPANY

Black diamond oil Co

LEASE

THYLAND

WELL NO.

RIG NO.

D. M. STRING NO.

SIZE

DISTRICT

COUNTY

ROCKS

KS

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
2712	2915	shale	80	40000	800	Kenny Jones	8
						STANTON Lovelady	8
						Dave Bethel	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
W	FT						
DEG OFF							

(25) Terry Jones 8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	2	WEIGHT	9.8	DRILLING	5 1/2	SIZE D. P.	Gel 32
SIZE	7/8	VISC	8.9	CORING	1/2	SIZE COLL.	CAV 1
MAKE	GX20C	WTR. LOSS C.C.	45	OTHER	VRIG 1/4	ITS D. P.	WIG 2
SERIAL NO	5126011	FILTER CAKE		TRIP	BWS HEAD 1/2	KELLY DOWN	50 ft 2
DEPTH IN	223	PH.				TOTAL	1 1/2
HOURS RUN	40	MTL. ADDED (REMARKS)		JET	1 1/4		4

REMARKS: 1100-1115 VRIG @ 2723 1115-1200 Drill 1200-1215 @ 2754 JET #1 1215-215 Drill 215-245 @ 2817 change head BWS 245-345 Drill 345-430 @ 2847 CLEANOUT SECTION 430-500 Drill Displacing 500-515 @ 2860 JET #1 Displaced 515-7:00

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
2915	3140	Shale	80	40000	800	Larry Milnick	8
						Dusty Preece	8
						Randy Bergall	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
W	FT						
DEG OFF							

(1/4 HR Drywell)

(50) S/R 8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	2	WEIGHT	9.1	DRILLING	7	SIZE D. P.	10-GEL
SIZE	7/8	VISC	11.3	CORING	1/2	SIZE COLL.	2-CHUBIC
MAKE	GX20C	WTR. LOSS C.C.	11.8	OTHER	1/4	ITS D. P.	2-46 FT
SERIAL NO	5126011	FILTER CAKE		REPAIRS		KELLY DOWN	4-S. ASH
DEPTH IN	223	PH.		TRIP		COLLARS	1/4 SX DRG
HOURS RUN	47	MTL. ADDED (REMARKS)		PUPP	1/4	TOTAL	8 HULLS

REMARKS: 7:00 to 7:15 Drill 7:15 to 8:00 S/R @ 2942 8:00 to 9:00 Drill 9:00 to 9:15 9:15 to 3:00 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3140	3220	Shale + Lime	80	40000	750	Justin Banting	8
						Cory Hanson	8
						Chad Mayfield	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
W	FT						
DEG OFF							

(1/4 HR Drywell)

(75) Hanson Shoalter 8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	2	WEIGHT	9.5	DRILLING	3 1/4	SIZE D. P.	1 1/2 20
SIZE	7/8	VISC	5.2	CORING	1/4	SIZE COLL.	
MAKE	GX20C	WTR. LOSS C.C.		OTHER	1/4	ITS D. P.	
SERIAL NO	5126011	FILTER CAKE		REPAIRS	3/4	KELLY DOWN	
DEPTH IN	223	PH.		TRIP	1 1/2	COLLARS	
HOURS RUN	50 1/4	MTL. ADDED (REMARKS)		Cure	2	TOTAL	

REMARKS: 3:00-3:30 @ 3150 3:30-3:45 @ 3162 3:45-6:45 @ 3172 6:45-1:00 @ 3182 1:00-2:15 @ 3192 2:15-3:00 @ 3202 3:00-9:30 CAST 9:30-1:00 @ 3212 1:00-1:45 @ 3220

PRINTED IN U.S.A.

APPROVED

RECEIVED KANSAS CORPORATION COMMISSION

FEB 07 2008

CONSERVATION DIVISION WICHITA, KS

DAILY DRILLING REPORT

BOX 800
TULSA OK 74101

CONTRACT FOR

Discovery Drilling Co. Inc

DATE

SAT.
10-13-07

COMPANY

Black diamond oil co

LEASE

THY LAND

WELL NO.

RIG NO.

1

1

DISTRICT

COUNTY

STATE

Rooks

KS

D. P. STRING NO.

SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
1830	2189	Shale	80	35000	750	Kenny Jones	8
						Stanton Lovelady	8
						DAVE Bethel	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
DEG. OFF		4 IN FRAC					
		(25) Terry L. Jones 8					

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	2	WEIGHT	9.5	9.2	DRILLING	6 1/2	SIZE D. P.
SIZE	7 7/8	WTR. LOSS - C.			CORING	CON	17
MAKE	Gx200	FILTER CAKE			OTHER	VRIG 1/4	SIZE COLL.
SERIAL NO.	5126011	PH.			REPAIRS		1
DEPTH IN	223	MTL. ADDED (REMARKS)			TRIP		1
HOURS RUN	21						2
							1 1/2
							2

REMARKS: 100-115 VRIG @ 1842 115-1145 Drill 1145 1200 JET @ 1874 1200-700

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
2189	2484	Shale	80	40000	750	Levy Mlinek	8
						Dusty Pazzan	8
						Randy Basgall	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
DEG. OFF		- FRAC IS FULL -					
		(50) Syl Rome 8					

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	2	WEIGHT	9.6	9.5	DRILLING	6 1/2	SIZE D. P.
SIZE	7 7/8	WTR. LOSS - C.			CORING	CON	17
MAKE	Gx200	FILTER CAKE			OTHER	VRIG 1/4	SIZE COLL.
SERIAL NO.	5126011	PH.			REPAIRS		1
DEPTH IN	223	MTL. ADDED (REMARKS)			TRIP		1
HOURS RUN	27						2
							1 1/2
							2

REMARKS: 7:00 to 7:15 Rig 10 2189 7:15 to 7:45 Drill 7:45 to 8:00 Jet @ 2220
8:00 to 1:30 Drill 1:30 to 1:45 Jet @ 2441 1:45 to 3:00 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
2484	2712	Shale	80	40000	800	Justin Bunting	8
						Cory Adamson	8
						Justin Smith	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
DEG. OFF		Tank 4 #2					
		(75) Jason Showalter 8					

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	2	WEIGHT	9.8	9.5	DRILLING	6 3/4	SIZE D. P.
SIZE	7 7/8	WTR. LOSS - C.			CORING	CON	17
MAKE	Gx200	FILTER CAKE			OTHER	VRIG 1/4	SIZE COLL.
SERIAL NO.	5126011	PH.			REPAIRS		1
DEPTH IN	223	MTL. ADDED (REMARKS)			TRIP		1
HOURS RUN	34 1/4						2
							1 1/2
							2

REMARKS: 3:00-3:30 Drly 3:30-3:45 Rig 10 2503 3:45-6:30 Drly 6:30-6:45 Jet @ 2597 6:45-10:00 Drly
10:00-10:15 Jet @ 2692 10:15-11:00 Drly

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100 RECEIVED
KANSAS CORPORATION COMMISSION

FEB 07 2008

CONSERVATION DIVISION
WICHITA, KS

DAILY DRILLING REPORT
 43-5
 COMPANY
 Black diamond oil co.
 DISTRICT

CONTRACTOR
 Discovery Drilling Co. INC.
 LEASE
 TTY LAND
 COUNTY
 ROOKS
 STATE
 KS

Fvi.
 DATE
 10-12-07
 WELL NO.
 1
 RIG NO.
 1
 D. P. STRING NO.
 SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
223	455	Sand & shale	90	15000	600	Kenny Jones	8
						Stanton Lovelady	8
						Dave Bethel	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
DEG OFF		1 IN FVAC				Terry Jones	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	2	WEIGHT		DRILLING	3 1/2	SIZE D. P.	Gel 16
SIZE	7/8	VISC.		CORING CON	7/4	SIZE COLL.	CON 1
MAKE	OX-20C	WTR. LOSS-C.C.		REPAIRS	3 3/4	JTS. D. P.	1
SERIAL NO	5126011	FILTER CAKE		TRIP		KELLY DOWN	SODA 2
DEPTH IN	223	PH				COLLARS	1/2
HOURS RUN	2 1/2	MTL. ADDED (REMARKS)				TOTAL	Hulls 2

REMARKS: 100-245 WOC @ 223 245-700 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
455	990	Sand & Shale	90	25000	700	Justin Banting	8
990	1130	Sand	70	20000	700	Randy Bassell	8
1130	1292	Shale & Sand	90	30000	700	Joe Pettit	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
DEG OFF		2 N Frac				Sy. Rome	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	2	WEIGHT	93,93 96	DRILLING	5	SIZE D. P.	17-Gel
SIZE	7/8	VISC.		CORING CON	2 1/4	SIZE COLL.	15-Bar
MAKE	OX-20C	WTR. LOSS-C.C.		OTHER	1/2	JTS. D. P.	2-S.A.M.
SERIAL NO	5126011	FILTER CAKE		REPAIRS		KELLY DOWN	1-C
DEPTH IN	223	PH		TRIP		COLLARS	1-E
HOURS RUN	8 1/2	MTL. ADDED (REMARKS)		JET	1/2	TOTAL	2-Hulls, 1/3 Pac

REMARKS: 7:00 TO 7:15 Set Rig @ 465 7:15 to 10:45 Drill 10:45 to 11:00 Jet @ 774 11:00 to 1:30 Drill 1:30 to 1:45 Jet @ 1184 1:45 to 3:00 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
1292	1458	Sand & Shale	90	30000	700	Justin Banting	8
1458	1491	ANHY	80	35000	700	Corey Adamson	8
1491	1830	Sand & Shale	80	35000	750	Justin Smith	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
DEG OFF		3 N Frac				Jason Showalter	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	1	WEIGHT		DRILLING	6	SIZE D. P.	17-Gel
SIZE	7/8	VISC.		CORING CON	1 1/2	SIZE COLL.	15-Bar
MAKE	OX-20C	WTR. LOSS-C.C.		OTHER	1/4	JTS. D. P.	2-S.A.M.
SERIAL NO	5126011	FILTER CAKE		REPAIRS		KELLY DOWN	1-C
DEPTH IN	223	PH		TRIP		COLLARS	1-E
HOURS RUN	14 1/2	MTL. ADDED (REMARKS)		JET	1/4	TOTAL	2-Hulls, 1/3 Pac

REMARKS: 3:00-3:15 Rig @ 1310 3:15-6:15 Drilling 6:15-6:30 Jet @ 1528 6:30-11:00 Drilling

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FEB 07 2008

CONSERVATION DIVISION
 WICHITA, KS

DAILY DRILLING REPORT

43-5 BOX 100 TULSA OK 74101

CONTRACTOR

Discovery Drilling Co. INC

THURS

DATE 10/11/07

COMPANY

BLACK DIAMOND OIL, Inc.

LEASE

THYLAND

WELL NO

#1

RIG NO.

1

DISTRICT

COUNTY

Rooks

STATE

KS

D. P. STRING NO.

SIZE

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
						Kenny Jones	8
						Stanton Lowelady	8
						Dave Belhel	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
UP	FT.						
DEC. OFF							

(25) Tevvy 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		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 Help rig up / pump / yard / water

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
0	95	Sandy shale	120	411	500	Larry M. Mack	8
						Royal Bassell	6
						Joe Carter	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
UP	FT.						
DEC. OFF							

(50) Sgt Ramo 8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	1	WEIGHT		DRILLING	1 1/2	SIZE D. P.	
SIZE	12 1/4	VISC		CORING	1 1/2	SIZE COLL	
MAKE	MX020	WTR. LOSS C.C.		OTHER	3 1/2	JTS. D. P.	FT.
SERIAL NO	6005028	FILTER CAKE		REPAIRS	2 1/2	KELLY DOWN	FT.
DEPTH IN	0	PH		TRIP	1 1/4	COLLARS	FT.
HOURS RUN	1 1/2	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 7:00-10:50 Lead out - Rig + Make - 10:30 TO 11:5 Rig up 11:57 TO 1:30 Drill 15.7 Hole 1:30 TO 3:00 Drill

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
65	223	Sand & Shale	120	all	500	Justin Bunting	8
						Cory Adamson	8
						Chad Mayfield	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
UP	FT.						
DEC. OFF		JOB COMPLETE @ 6:45 P.M. 10/11/07					

(75) Jason Showalter 8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO	1	WEIGHT		DRILLING	1	SIZE D. P.	
SIZE	12 1/4	VISC		CORING	1 1/4	SIZE COLL	WOOD 4 1/4
MAKE	MX020	WTR. LOSS C.C.		OTHER	1 1/4	JTS. D. P.	FT.
SERIAL NO	6005028	FILTER CAKE		REPAIRS	1 1/4	KELLY DOWN	FT.
DEPTH IN	0	PH		TRIP	1 1/4	COLLARS	FT.
HOURS RUN	2 1/2	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 3:00-4:30 Oil 4:30-4:45 Circ + Trip Collar 4:45-6:15 Tripent + Run 8 5/8 HIT LEAGE @ 100' TRIP BACKOUT { RUN COLLARS IN } DRILL OUT BRIDGE TRIP BACKOUT { RUN 8 5/8 } 6:15-6:30 CIRC 8 5/8. 6:30-6:45 CEMENT 8 5/8. (CEMENT CIRC) 6:45-11:00 WOC

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FEB 07 2008

CONSERVATION DIVISION
WMP/LRFA KS



DRILLING MUD REPORT

REPORT NO. 4

DATE <u>10-16-2007</u>	DEPTH <u>3426</u>
APT WELL NO.	STATE COUNTY WELL S/T

OPERATOR <u>Black Diamond</u>	CONTRACTOR <u>Discovery</u>	RIG NO. <u>1</u>
ADDRESS <u>Co.</u>	ADDRESS <u>Big</u>	SPUD DATE <u>10/11/07</u>
REPORT FOR MR. <u>Ferry B.</u>	REPORT FOR MR. <u>of Me</u>	SECTION, TOWNSHIP, RANGE <u>5-8-22</u>
WELL NAME AND NO. <u>Hyland #1</u>	FIELD OR BLOCK NO. <u>700135</u>	COUNTY AREA STATE <u>KS</u>

Drilling Assembly			Casing		Mud Volume (BBL)		Circulation Data		
Bit Size <u>4 7/8</u>	No. Bits <u>2</u>	Jet Size <u>3/14</u>	Surface <u>8 5/8 223</u>	Hole <u>365</u>	Pits <u>300</u>	Pump Size x in. <u>14</u>	Annular Vel (FUMin) DP <u>197 DC 354</u>		
Drill Pipe Size <u>4 1/2</u>	Type <u>XH</u>	Length	Intermediate <u>1</u>	Total Circulating Volume <u>365</u>	Fl.	Pump Make, Model <u>70</u>	Circulation Pressure (PSI) <u>800+</u>		
Drill Collar Size <u>6 1/4</u>	Length	No. Pits <u>3</u>	Production of Liner <u>1</u>	Mud Up Depth	Fl.	Bbl/Stroke <u>2139</u>	Stroke/Min. <u>60</u>		
Bit RPM <u>120</u>	Weight on Bit <u>30,000</u>	Present Activity <u>Chemical</u>	Mud Type <u>Pac+</u>	Bbl/Min. <u>8</u>	Gal/Min. <u>336</u>	Bottoms Up (Min.) <u>447</u>	Total Circ Time (Min.) <u>70+</u>		
Last Bit No.				Elevation					

Sample from		MUD PROPERTIES	
<input checked="" type="checkbox"/> Flowline	() Pit		
Flowing Temperature		F	
Time Sample Taken	<u>9:40</u>		
Depth (ft.)	<u>3426</u>		
Weight <input checked="" type="checkbox"/> (ppg) <input type="checkbox"/> (lb./cu. ft.)	<u>9.5</u>		
Mud Gradient (psi/ft.)	<u>494</u>		
Funnel Viscosity (sec./qt.) API at °F	<u>597</u>		
Plastic Viscosity cp at °F	<u>14</u>		
Yield Point (lb./100 sq. ft.)	<u>21</u>		
Gel Strength (lb./100 sq. ft.) 10 sec./10 min.	<u>1727</u>	<u>1</u>	<u>1</u>
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter	<u>10.5</u>		
Filtrate API (ml/30 min.)	<u>8.4</u>		
API HP-HT Filtrate (ml/30 min.) °F	<u>-</u>		
Cake Thickness 32nd in. API <input type="checkbox"/> HP - HT <input type="checkbox"/>	<u>142</u>		
Alkalinity, Mud (Pm)	<u>21</u>		
Alkalinity, Filtrate (P/ Mf)	<u>11</u>	<u>1</u>	<u>1</u>
Salt <input type="checkbox"/> ppm <input type="checkbox"/> Chloride <input type="checkbox"/> ppm <input type="checkbox"/> Gyp <input type="checkbox"/> ppm	<u>2000</u>		
Calcium <input checked="" type="checkbox"/> ppm <input type="checkbox"/> Gyp (ppb)	<u>30</u>		
Sand Content (% by Vol.)	<u>77</u>		
Solids Content (% by Vol.)	<u>8.5</u>		
Oil Content (% by Vol.)	<u>-</u>		
Water Content (% by Vol.)	<u>91.5</u>		
LCM, #/bbl	<u>14</u>		
Methylene Blue Capacity <input type="checkbox"/> (total mud) <input type="checkbox"/> (equiv. 5000 bbl. bent)	<u>-</u>		

Mud Used:

46 Gal
7-5 gal
4-1/2
4-chemical
6-Hull

Daily Cost 790.85 Cumulative Cost 8436.60

MUD PROPERTIES SPECIFICATIONS

WEIGHT 9.5 VISCOSITY 50+ FILTRATE 1000

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

RECOMMENDED TREATMENT

50+ 7/16" 1 Gal

L.M. As Needed

WT. 9.5 or less

REMARKS:

snout trip / 125, log maintain

circ. hole clear

"keep hole full"

pull pipe wet if needed

Thank You

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 Andy West WAREHOUSE LOCATION 625 3531 TELEPHONE

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 CONSERVATION DIVISION
 WICHITA, KS



CHARGE TO: Black Diamond
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

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 KANSAS CORPORATION COMMISSION
 No. 12863
 FEB 07 2008
 CONSERVATION DIVISION

PAGE 1 OF 1

SERVICE LOCATIONS: 1. <u>Hays, KS</u>	WELL/PROJECT NO. #1	LEASE <u>Thylaud</u>	COUNTY/PARISH <u>ROKS</u>	STATE <u>KS</u>	CITY <u>WICHITA, KS</u>	DATE <u>10-17-07</u>	OWNER
2. <u>Ness City, KS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Discovery Drig</u>	RIG NAME/NO. #1	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>E/Nickolas, KS</u>	ORDER NO.	
3.	WELL TYPE <u>wildcat oil</u>	WELL CATEGORY <u>wildcat</u>	JOB PURPOSE <u>cement 5 1/2 prod. csig.</u>	WELL PERMIT NO.	WELL LOCATION <u>5 8s 20 u</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE #106	70		mi		4.00	280.00
578		1			Pump Charge - Longstring			ft.	1 ea	1250.00	1250.00
281		1			Mud Push	500		gal		.75	375.00
290		1			D-Air	2		gal		32.00	64.00
419		1			Rotating Head Rental	1		ea	5 1/2 in	250.00	250.00
402		1			Centralizers 5 1/2	6		ea	5 1/2 in	95.00	570.00
403		1			Cement Baskets 5 1/2	2		ea	5 1/2 in	290.00	580.00
406		1			Latch down Plug + Baffle	1		ea	5 1/2 in	235.00	235.00
407		1			Insert Float Shoe w/Fillup	1		ea	5 1/2 in	310.00	310.00
330		2			SMD cart. no adcl.	157		SK		14.50	2286.50
581		2			Service Charge - Cement	758		sts		1.10	833.80
583		2			Service Charge Drayage	1539.10		lbs		1.00	1539.10
											12473.72

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

[Signature]
 TIME SIGNED A.M. P.M.
 2-07

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	12473.72
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX	
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO			TOTAL	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

APPROVAL _____

Thank You!

SWIFT Services, Inc.

DATE 10-17-07 PAGE NO. 1

Well No. #1 LEASE Thylands JOB TYPE Cement - Longstring TICKET NO. 12863

Diamond

TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
			T	C	TUBING	CASING	
1700						5 1/2	On location - D.P.L.D. (Changing over)
1830							Start 5 1/2" 14#/ft Csg. Insert float shoe, Latch-down Baffle 1st collar - SJ 30-17'
							Cent on collars 1-4-6-8-10-48 Cement Baskets Jts 3 & 79
2000							Drop fill up ball 4 Jts off Bottom
2005							Fin running casing St. cir & Rotate casing
2040							Fin cir.
2045		5					Plug RH & MH 5 BBL cut
2050	4	12				200	Start 500 gal Mud flush.
2100	6 1/2					300	Start 350 SKS SMD @ 11.2 #/gal
	6 1/2	95				400	ON 2 nd cut pot - 1/2 way thru
	6 1/2	170				400	started incr cut weight 11 1/2 to 12.5
2140		185				200	TRK brake shaft on rec. pump.
2145						200	Dry mixing 5 BBL @ 14 #
		195				200	Head plugged off - shutdown mixing cut
2150							Release Plug - Wash up Pump/Lines
2155	6					350	St Displ as per Co-man
	6 1/2	60				400	
	6 1/2	80				800	
2207	4 1/2	85				1500	Plug down - Hold
						0	Release psi & Hold
							Wash up & Rack up TRS
							Thanks Don, Blaine & Sam

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FEB 07 2008

CONSERVATION DIVISION
WICHITA, KS



CHARGE TO: Black Diamond Oil
 ADDRESS:
 CITY, STATE, ZIP CODE:

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 FEB 07 2008
 CONSERVATION DIVISION
 WICHITA, KS
 TICKET N^o 12953
 PAGE 1 OF 1

ICE LOCATIONS: Hays, Ks.
 WELL/PROJECT NO.: #1
 LEASE: Thy lnd
 COUNTY/PARISH: Graham
 STATE: Ks.
 CITY: WICHITA, KS
 DATE: 11-7-07
 OWNER: Same
 TICKET TYPE: SERVICE SALES
 CONTRACTOR: Gachler
 RIG NAME/NO.:
 SHIPPED VIA: CT
 DELIVERED TO: Loc. S/E-Nicodimz, Ks.
 ORDER NO.:
 WELL TYPE: Oil
 WELL CATEGORY: Development
 JOB PURPOSE:
 WELL PERMIT NO.:
 WELL LOCATION:
 RRAL LOCATION:
 INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE		AMOUNT	
		LOC	ACCT	DF									
575		1			MILEAGE #110	70	mil			4	18	280	18
578		1			Pump Service	1	ea			1250	18	1250	18
581		1			Service Charge	225	sk			1	10	247	10
583		1			Drayage	763.28	TO miles			1	18	763	18
330		1			S.M.C.	40	sk			14	50	580	18
325		1			Standard Cement	100	sk			12	18	1,200	18
300		1			Reg Acid	250	gal	15	%	1	25	312	18
235		1			Inhib-1	1/2	gal			42	18	21	18
286		1			Italad	10	lbs.			6	18	60	18

GAL TERMS: Customer hereby acknowledges and agrees to terms and conditions on the reverse side hereof which include, are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

TO BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO DELIVERY OF WORK OR DELIVERY OF GOODS

SIGNED: _____ TIME SIGNED: _____ A.M. P.M.

REMIT PAYMENT TO:
SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				4,714	18
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX	
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

SWIFT Services, Inc.

Well No. <i>21</i>	LEASE <i>Landis Thyland</i>	JOB TYPE <i>Squeeze</i>	TICKET NO.
--------------------	-----------------------------	-------------------------	------------

Diamond Oil

TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
			T	C	TUBING	CASING	
0830							on loc. set up truck
							Rig up to Run 1" Tubing down 8 5/8"
10:00							1" down to 580'
	3/4					200	Taj Rate 3/4 BPM 200 psi
							Circulation to Surface
10:05	1					300	Start Mixing SMOC 11.2 #/gal
10:30		22					Cement to surface 40 sks mixed
							Pull 1" out of hole
12:00							Perforate 3257', 3208', 3125'
13:50							Start in hole with Packer
15:10							PKR @ 3259' spot Acid to Bottom
							Set PKR @ 3134'
						1,000	Press. Ann. Perf 3125' 1,000 psi Shuts Bleed
	3/4					1,000	Set PKR 3226' Ann. 3/4 BPM 1,000 psi
							Pump down tubing Bottom Perf
	1 1/2					500	1 1/2 BPM 500 psi
							Pull PKR up to 2980'
						500	Press. Ann. 500 psi
16:20	2					500	Start Mixing 100 sks Standard Haled in first
16:40	3					0	Finish mixing start Disph
16:50							19" Displ. in tubing clear
		19				900	60' cement above top perf 900 psi
							shut in wash up truck
17:00						700/800	Repress. 700 - 800 psi stage squeeze
							Press to 1100 psi holding
							Release press. Flowed Back Repress.
17:30						1200	1200 psi
17:45							Hold 1200 psi 15 min Release Flowed Back
							Repress. 800 psi
18:05						1200	1200 psi holding
18:30							Holding 1200 Release Dried up
							Reverse out around packer
							pull 4 Jts. Press. to 500 psi shut in
19:06							Pack up truck
							Job Complete

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FEB 07 2008

CONSERVATION DIVISION
WICHITA, KS

Thank You
Roger, Nick, Josh, Sean