

# BJC

# ORIGINAL

J.E. Jespersen  
Petroleum Geologist  
BIG J CONSULTANTS  
P.O. Box 16418  
Wichita, KS 67216

Geological Report

15-065-22785-0000

**D.G. Hansen Trust  
#8 ESTATE FEE  
SW/4 SW/4 NW/4  
Section 30-T8S-R25W  
Graham County, Kansas**

8/7/92  
1997 AUG -7 A 1:22  
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June 18, 1997

**#8 ESTATE FEE  
SW/4 SW/4 NW/4  
Section 30-8S-25W  
Graham County, Kansas**

Field: Knoll North Ext.  
Elevations: 2407 Kelly Bushing  
2405 Derrick Floor  
2399 Ground Level  
Wellsite Geologist: J.E. Jespersen  
Contractor: Discovery Drilling  
Commenced: June 9, 1997  
Completed: June 15, 1997  
Rotary Total Depth: 3950 feet  
Log Total Depth: NO LOGS  
Surface Casing: 8 5/8" @ 220 feet with 175 sacks  
Production Casing: NONE  
Electrical Surveys: NONE  
Hole Size: 12 1/4" from surface to 225 feet  
7 7/8" from 225 feet to 3950 feet (RTD)

General Information: Samples saved from 3300 to 3950 feet (RTD).  
Drilling time kept from 2100 to 2200 feet and 3300 to  
3950 feet (RTD). Samples examined from 3600 to  
3950 feet (RTD). Drilling supervised from 3600 to  
3950 feet (RTD). Mud up at 3500 feet. Mud type,  
chemical.

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FORMATION	LOG		TOP	SAMPLE		STRUCT COMP.
	TOP	DATUM		DATUM	DATUM	
Anhydrite			2136		+ 271	19' Low
B/Anhydrite			2171		+ 236	20' Low
Topeka			-----		-----	-----
Heebner			3668		- 1261	20' Low
Toronto			3692		- 1285	22' Low
Lansing			3703		-1296	19' Low
Muncie Creek			3817		- 1410	
B/Kansas City			3932		- 1525	21' Low

**Reference/Structural Comparison:** D.G. Hansen Trust #3 Estate Fee, NW/4 SE/4, 30-8S-25W

**Note:** Pipe strap at 3875' was 1.22' long to the board.

DAILY PENETRATION

Date	Depth	Remarks
6/9/97	- 0 -	Spud 3:15 PM 1/17/97 8 5/8" @ 220' with 175 sx. Plug down 8:00 PM 6/9/97 Drill plug 4:00 AM 6/10/97
6/10	350	Drilling
6/11	1950	Drilling
6/12	2875	<b>Anhydrite 2136-2175</b>
6/13	3600	Drilling
6/14	3875	<b>DST #1 3822-3875</b>
6/15	3950	<b>RTD 10:00 PM 6/14/97</b> Dry and Abandoned

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BIT RECORD

NO.	SIZE	MAKE	TYPE	DEPTH		HOURS
				OUT	FEET	
S	12 1/4	HTC	CR1RR	225	225	2 1/4
1	7 7/8	HTC	GT18C	3950	2725	75 3/4

MUD RECORD (Andy's Mud & Chemical)

CHK	DEPTH	WT	VIS	FIL	PH	PV	YP	GELS	CHLORIDES	SOL
1					Native Solids					
2	3307	8.8	41	12.0	12.0	6	10	11/10	1500	3.5%
3	3645	9.2	45	8.8	11.5	9	19	17/21	1500	7.0%
4	3875	9.3	44	8.0	10.5	10	14	14/21	2000	7.0%

DRILL STEM TESTS (Ricketts Testing)

NO	INTERVAL	IFP	ISIP	FFP	FSIP	IHHPFHH
1	3822-3875 Recovered:	19-19/15	52/45	19-19/30	30/45	1848-1848
		4' Drilling mud (no shows)				

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Geological Formations and Porosity Zones

(B-Zone)

SL 3732-3736 Limestone, white, fine crystalline, fossiliferous. Fair interfossiliferous porosity. **No free oil.** Spotted dark oil stain; no odor.  
Judged this zone to be of no commercial value.

(D-Zone)

SL 3746-3750 Limestone, light grey, fine crystalline, dense. Poor intercrystalline porosity. No shows.  
Judged this zone to be of no commercial value.

(F-Zone)

SL 3768-3770 Limestone, white to light grey, fine crystalline, sucrosic, fossiliferous. Fair to good intercrystalline and vugular porosity. **No free oil.** Poor show spotted dark oil stain; no odor.  
Judged this zone to be of no commercial value.

(G-Zone)

SL 3788-3795 Limestone, white, very fine crystalline, oolitic, fossiliferous. Poor interoolitic and interfossiliferous porosity. No shows; no odor.  
Judged this zone to be of no commercial value.

**Muncie Creek**

Sample 3817 - 1410

(H-Zone)

SL 3830-3834 Limestone, white, fine crystalline, fossiliferous. Poor to fair interfossiliferous and vugular porosity. **Trace brown live free oil; rare spotted live oil stain; no odor.** Tested this zone. (See DST #1) Due to the test results, judged this zone to be of no commercial value.

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## Geological Formations and Porosity Zones

(I-Zone)  
SL 3852-3858 Limestone, light buff to light grey. Very fine crystalline, fossiliferous. Poor to fair pinpoint porosity. No shows. No odor. Tested this zone. (See DST #1) Due to the lack of oil shows and results of the test, judged this zone to be of no commercial value.

(J-Zone)  
SL 3869-3874 Limestone, buff, very fine crystalline. Poor to fair interfossiliferous porosity. **No free oil; trace dead oil (gilsonitic) stain; no odor.** Tested this zone. (See DST #1) Due to the test results, judged this zone to be of no commercial value.

**DRILLSTEM TEST #1****3822-3875**

Very wk blow during IFP

No blow during FFP

Recovered:

4' Drilling mud (no shows)

Initial Flow Pressures:

19# to 19# / 15 min.

Initial Shut-In Pressure:

52# / 45 min.

Final Flow Pressures:

19# to 19# / 30 min.

Final Shut-In Pressure:

30# / 45 min.

Initial Hydrostatic Pressure:

1848#

Final Hydrostatic Pressure:

1848#

Bottomhole Temperature:

110°

(K-Zone)  
SL 3892-3896 Limestone, light grey, fine crystalline, fossiliferous. Fair interfossiliferous porosity. **No free oil; fair show dead oil (gilsonitic) stain; no odor.** Judged this zone to be of no commercial value.

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### Geological Formations and Porosity Zones

SL 3918-3924 (L-Zone)  
Limestone, light grey, very fine crystalline, fossiliferous. Poor interfossiliferous porosity. No shows; no odor. Judged this zone to be of no commercial value.

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**Rotary Total Depth** **3950 -1543**

No open hole logs

Dry and Abandoned

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**REMARKS and RECOMMENDATIONS**

It is recommended this well be plugged and abandoned due to **low structural position** (20', plus low to the producing wells on this lease), **results of Drillstem Test #1**, and the **lack of positive oil shows throughout the Lansing-Kansas City sections.**

Respectfully submitted,



Jerold E. Jespersen

JEJ  
7/18/97::8/01/97

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COMPANY D. C. Housner FARM Hickory E State Fm WELL NO. 8  
SEC. Twp. Roe, Loc. 6 COUNTY Barham STATE N.C.  
CONTRACTOR Oswestry SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 x 11  
REMARKS: Dr. Line SIZE PUMP LINERS 6 LENGTH STROKE 14

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REMARKS: SIZE PUMP LINERS 6 LENGTH STROKE 14

REMARKS:

8/7/97

Conn Wt. 3600

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COMPANY D.G. Hansen FARM Hansen Estate Fee WELL NO. 8  
SEC. TWP. ROE. LOC. COUNTY Quinn STATE Kansas  
CONTRACTOR Deerway Bp. #9 SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 XH  
REMARKS: SIZE PUMP LINERS 6" LENGTH STROKE 14"

COMPANY Hansen Trust FARM Hansen Trust Fee WELL NO. 8  
SEC. TWP. ROE. LOC. COUNTY Quinn STATE Ks  
CONTRACTOR Deerway Bp. #9 SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 XH  
REMARKS: SIZE PUMP LINERS 7 LENGTH STROKE 14

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Table with columns: DEPTH, TIME O'CLOCK, MIN., REMARKS. Includes handwritten entries like 'White Sessy' and 'Cana-Rgt'.

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ROTARY DRILLING TIME SHEET # 603  
START AND STOP TIME OF EACH HOUR

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