

Computer Inventoried

28-10-32W

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Geological Report

DANE G. HANSEN TRUST  
#1 Peck  
W/2 SW/4 NW/4  
SECTION 28-T10S-R32W  
THOMAS COUNTY, KANSAS

ORIGINAL

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DIVISION  
WICHITA, KANSAS

Dane G. Hansen Trust  
#1 Peck

J.E. Jespersen  
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December 07, 1992

Dane G. Hansen Trust  
#1 Peck  
W/2 SW/4 NW/4  
Section 28-T10S-R32W  
Thomas County, Kansas

Field:  
Elevations:

Broeckelman Extension  
3074 Kelly Bushing  
3072 Derrick Floor  
3067 Ground Level

Wellsite Geologist:  
Contractor:  
Commenced:  
Completed:  
Rotary Total Depth:  
Log Total Depth:  
Surface Casing:  
Production Casing:  
Electrical Surveys:  
Hole Size:

J.E. Jespersen  
Chief Drilling Company, Inc.  
November 13, 1992  
November 21, 1992  
4690 Feet  
4687 Feet  
8-5/8" @ 322' w/200 sacks  
None - D & A  
ELI Wireline: Gamma Ray, Guard Log  
12-1/4" from surface to 350'  
7-7/8" from 350 to 4690' (RTD)

General Information:

Samples saved from 3600-4690' (RTD)  
Drilling time kept from 2550-2650' and  
3600 to 4690' (RTD). Samples examined from  
3600 to 4690' (RTD). Drilling supervised from  
3850' to RTD. Mud up at 3400'.  
Mud type, chemical.

COMMISSION  
DEC 22 1992

DIVISION  
KANSAS

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Formation	LOG TOPS		SAMPLE TOPS		Structural Comparison
	Top	/ Datum	Top	/ Datum	
T/Anhydrite	2575	+ 499	2581	+ 493	3' High
B/Anhydrite	2604	+ 470	2610	+ 464	2' High
Waubunsee	3647	- 573	3651	- 577	
Heebner	3992	- 918	3995	- 921	10' Low
Lansing	4038	- 964	4036	- 962	11' Low
Stark	4248	-1174	4253	-1179	13' Low
B/Kansas City	4314	-1240	4322	-1248	7' Low
Pawnee	4449	-1375	4452	-1378	15' Low
Ft Scott	4508	-1434	4510	-1436	12' Low
Cherokee	4540	-1466	4453	-1469	12' Low
Johnson Zone	4586	-1512	4588	-1514	17' Low
Mississippian	Not reached	- -	Not reached		65'+ Low

Reference Well or Structural Comparison: Abercrombie Drilling Company #2  
Broeckelman, 110' E S/2 S/2 NE/4, Section 29-10S-32W.

### Chronological History

#### DAILY PENETRATION

Date	Depth	Remarks
11/13/92	-0-	SPUD 9:00 am. Set 8-5/8" @ 338' w/200 sacks. Plug down 5:30 PM.
11/14/92	750	Drilled plug 1:30 AM
11/15/92	2375	Drilling
11/16/92	3185	<u>Anhydrite</u> <u>2581-2610</u>
11/17/92	3680	Drilling
11/18/92	4091	<u>DST #1</u> <u>4175-4245</u>
11/19/92	4245	Drilling
11/20/92	4460	Drilling
11/21/92	4690	RTD - Run ELI Gamma Ray - Guard Log Dry and Abandoned

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**Chronological History (Cont'd)**

**B I T      R E C O R D**

No.	Size	Make	Type	Depth Out	Feet	Hours
1	12 1/4		Mill RR	350	350	3 3/4
2	7 7/8	CP	EN 52	4245	3895	102
3	7 7/8	W/M	51CFRR	4690	445	37 3/4

**M U D      R E C O R D**

(Mud-Co)

Chk.	Depth	Wt.	Vis	Fil	Ph	PV	YP	Gels	Chlorides	Solids
1	0									
2	3060	9.0	29	N/C	7.0	-	-	-/-	12,000	4.1%
3	3462	8.6	49	9.2	11.0	8.0	19	9/21	2,000	1.7%
4	3690	8.7	45	8.0	10.0	11.0	23	9/21	2,000	2.7%
5	4115	9.0	43	10.4	10.0	9.0	20	9/18	2,200	4.7%
6	4240	9.2	48	9.6	10.0	12.0	23	8/23	2,000	6.1%
7	4460	9.2	45	10.4	10.0	11.0	23	10/20	2,200	6.2%

**D R I L L      S T E M      T E S T S**

(Ricketts Testing)

No.	Interval	IFP	ISIP	FFP	FSIP	IHH-FHH
1	4175-4245	27-27/15	912/45	27-32/90	859/45	1955-1944
	Recovered:	270' Gas in pipe				
		10' Clean Gassy Oil				
		85' Oil & gas cut watery mud				

### Geological Formations and Porosity Zones

A detailed lithological log was 3600 feet to 4690 feet (RTD). The following are formation tops, recoveries of drill stem tests, descriptions of reservoirs containing shows of oil and descriptions of reservoirs felt pertinent to the accumulation of hydrocarbons in the area. The depths are interpolated from drillers measurements and measured from the kelly bushing.

<b>T/Anhydrite</b>	Sample	2581 + 493
	E-Log	2575 + 499

<b>B/Anhydrite</b>	Sample	2610 + 464
	E-Log	2604 + 470

<b>Wabaunsee</b>	Sample	3651 - 577
	E-Log	3647 - 573

SL 3692-3706	Limestone, white, fine crystalline, slightly chalky. Fair intergranular porosity. No shows. Judged this zone to be of no commercial value.
EL 3694-3696	

SL 3719-3735	Limestone, light buff, fine crystalline. Fair to good interfossiliferous porosity. No shows. Judged this zone to be of no commercial value.
EL 3720-3724	

<b>Topeka</b>	Sample	3775 - 701
	E-Log	3773 - 699

SL 3786-3819	Limestone, white, fine crystalline, fossiliferous. Slightly chalky. Fair interfossiliferous and intergranular porosity. No shows. Judged this zone to be of no commercial value.
EL 3773-3778	

SL 3832-3838	Limestone, light buff, fine crystalline, fossiliferous. Fair to good interfossiliferous porosity. No shows. Judged this zone to be of no commercial value.
EL 3830-3834	

Geological Formations (Cont'd)

SL 3840-3863	Limestone, white, fine crystalline, fossiliferous, chalky.
EL 3850-3862	Good interfossiliferous and vugular porosity. No shows. Judged this zone to be of no commercial value.
SL 3918-3924	Limestone, light buff, fine crystalline, fossiliferous. Fair
EL 3916-3922	interfossiliferous porosity. No shows. Judged this zone to be of no commercial value.
SL 3954-3964	Limestone, light buff, fine crystalline, fossiliferous,
EL 3952-3960	sucrosic. Good intercrystalline porosity. No shows. Judged this zone to be of no commercial value.
SL 3971-3990	Limestone, white to light buff, fine crystalline,
EL 3970-3973	fossiliferous, sucrosic. Good intercrystalline and intercrystalline porosity. No shows. Judged this zone to be of no commercial value.
 <b>Heebner</b>	
	Sample 3995 - 921
	E-Log 3998 - 918
 <b>Toronto</b>	
	Sample 4016 - 942
	E-Log 4018 - 944
SL 4016-4026	Limestone, light buff, fine crystalline, fossiliferous,
EL 4018-4022	oolitic. Fair interoolitic and interfossiliferous porosity. <b>No free oil. Rare spotted gilsonitic stain.</b> No odor. Judged this zone to be of no commercial value.
 <b>Lansing</b>	
	Sample 4036 - 962
	E-Log 4038 - 964
 (A-Zone)	
SL 4041-4056	Limestone, light buff to buff, fine crystalline, oolitic,
EL 4038-4042	fossiliferous. Fair interfossiliferous porosity. <b>Poor show dark heavy free oil.</b> Rare spotted brown oil stain; no odor. Judged this zone to be of no commercial value.
 (B-Zone)	
SL 4070-4078	Limestone, white, fine crystalline, fossiliferous. Fair
EL 4067-4076	interfossiliferous porosity. <b>Poor show dark brown free oil.</b> Spotted brown to dark brown oil stain; no odor. Judged this zone to be of no commercial value.

Geological Formations (Cont'd)

(D-Zone)  
SL 4082-4089 Limestone, fine crystalline, fossiliferous. Fair  
EL 4086-4090 interfossiliferous porosity. No shows.  
Judged this zone to be of no commercial value.

SL 4101-4105 Limestone, cream, fine crystalline, fossiliferous. Fair to  
EL 4100-4104 good interfossiliferous porosity. No shows.  
Judged this zone to be of no commercial value.

(E-Zone)  
SL 4112-4118 Limestone, buff, fine crystalline, fossiliferous. Fair  
EL 4112-4116 interfossiliferous porosity. **No free oil.** Very rare dark  
brown oil stain; no odor.  
Judged this zone to be of no commercial value.

(F-Zone)  
SL 4122-4126 Limestone, light buff, fine crystalline, fossiliferous.  
EL 4120-4124 Fair interfossiliferous porosity. **No free oil.** Rare  
spotted light brown oil stain; no odor.  
Judged this zone to be of no commercial value.

(G-Zone)  
SL 4137-4150 Limestone, white to cream, fine crystalline, fossiliferous,  
EL 4137-4147 oolitic. Poor interfossiliferous and interoolitic porosity.  
No shows.  
Judged this zone to be of no commercial value.

Muncie Creek                      Sample      4170    -1096  
   E-Log      4168    -1094

(H-Zone)  
SL 4182-4188 Limestone, buff, fine crystalline, highly fossiliferous.  
EL 4183-4194 Fair interfossiliferous porosity. **Fair show free oil.**  
Spotted to saturated oil stain, slight odor. Tested this  
zone. (See DST#1) Due to the test results, judged this  
zone to be of no commercial value.

Geological Formations (Cont'd)

(I-zone)  
SL 4214-4218 Limestone, white, fine crystalline, fossiliferous, oolitic.  
EL 4212-4222 Fair interoolitic and interfossiliferous porosity. *Poor show light brown free oil.* Spotted light brown oil stain; no odor. Tested this zone. (See DST #1) Due to the test results, judged this zone to be of no commercial value.

(J-Zone)  
SL 4236-4241 Limestone, light buff, fine crystalline, fair  
EL 4234-4239 interfossiliferous porosity. *Poor show light brown free oil.* Spotted to saturated light brown oil stain; good odor. Tested this zone. (See DST #1) Due to the test results and structural position of this zone, judged this zone to be of no commercial value.

Drill Stem Test #1

4175-4245

Weak blow throughout IFP

Weak, bldg to good blow throughout FFP

Recovered:

270' Gas in pipe  
10' Gassy oil/33° API  
85' Oil & Gas Cut  
Watery Mud  
(9%O, 13%G, 27%W, 51%M)  
27# to 27# / 15 min.  
912# / 45 min.  
27# to 32# / 90 min.  
859# / 45 min.  
1955#  
1944#  
128°F.

Initial Flow Pressures:

Initial Shut-In Pressure:

Final Flow Pressures:

Final Shut-In Pressure:

Initial Hydrostatic Pressure:

Final Hydrostatic Pressure:

Bottomhole Temperature:

Stark Shale

Sample 4253 -1179

E-Log 4248 -1174

(K-Zone)  
SL 4263-4275 Limestone, light grey, fine crystalline, fossiliferous,  
EL 4266-4272 oolitic. Poor to fair interfossiliferous and interoolitic porosity. No shows. Judged this zone to be of no commercial value.



Geological Formations (Cont'd)

	<b>Hushpuckney</b>	Sample	4286	-1212
		E-Log	4283	-1209
	(L-Zone)			
SL 4293-4305	Limestone, white, fine crystalline, chalky. Fair			
EL 4289-4302	intergranular porosity. No shows.			
	Judged this zone to be of no commercial value.			
	<b>Base Kansas City</b>	Sample	4322	-1248
		E-Log	4314	-1240
SL 4368-4374	Limestone, light grey, fine crystalline, fossiliferous,			
EL 4362-4374	oolitic. Poor interoolitic and interfossiliferous porosity.			
	No shows.			
	Judged this zone to be of no commercial value.			
SL 4400-4402	Limestone, buff, fine crystalline, fossiliferous. Poor to			
EL 4400-4402	fair interfossiliferous porosity. <b>No free oil.</b> Very rare			
	spotted oil stain; no odor.			
	<b>Pawnee</b>	Sample	4452	-1378
		E-Log	4449	-1375
SL 4452-4457	Limestone, cream, fine crystalline, sucrosic, cherty. Fair			
EL 4449-4457	intercrystalline porosity. No shows.			
	Judged this zone to be of no commercial value.			
	<b>Fort Scott</b>	Sample	4510	-1436
		E-Log	4508	-1434
SL 4514-4526	Limestone, buff to tan. Very fine crystalline, oolitic. Poor			
EL 4519-4526	interoolitic porosity. No shows.			
	Judged this zone to be of no commercial value.			
	<b>Cherokee</b>	Sample	4543	-1469
		E-Log	4540	-1466
	<b>Johnson Zone</b>	Sample	4588	-1514
		E-Log	4586	-1512

Geological Formations (Cont'd)

SL 4590-4598 Limestone, buff, fine crystalline, fossiliferous. Fair  
EL 4586-4594 interfossiliferous porosity. *Poor show heavy sticky free oil.*  
Rare spotted dark oil stain; no odor.  
Judged this zone to be of no commercial value.

SL 4602-4611 Limestone, buff, crystalline, fossiliferous. Poor vugular  
EL 4600-4604 porosity. *Rare show dark brown sticky heavy free oil.* Rare  
spotted oil stain; no odor.

Base Cherokee Lime                      Sample      4634    -1560  
   E-Log      4636    -1562

SL 4646-4654 Sandstone, grey, poorly sorted, tight. Poor to fair  
EL 4645-4652 intergranular porosity. No shows.  
Judged this zone to be of no commercial value.

SL 4654-4690 Shale, vari-colored (green, grey, yellow and brown). Mottled,  
EL 4662-4687 argillaceous. No Mississippian.  
Judged this zone to be of no commercial value.

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ROTARY TOTAL DEPTH                      4690    -1616

ELECTRIC LOG TOTAL DEPTH                4687    -1613

ELI WIRELINE SERVICE:      GammaRay, Neutron, Guard Log

Dry and Abandoned

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D.G. Hansen Trust  
#1 Peck  
W/2 SW/4 NW/4  
Sec 28-Twp10S-Rge32W  
Thomas County, Kansas

KB: 3074'  
TD: 4690'

Remarks and Recommendations

Structurally this well ran 10 feet low to  
Abercrombie's #2 Broeckelman, located 1/4 mile west  
of this location.

Due to the structural position the quality of oil  
shows and the results from the DST, it is  
recommended this well be plugged and abandoned.

Respectfully submitted,

J.E. Jespersen