CLINTON OIL CO.

#6 "D" Braun

NE SE NW Sec. 22-13S-18W

ELLIS COUNTY, KANSAS

Harvey Gough
435 Page Court
220 W. Douglas
Wichita, Kansas 67202

Clinton Oil Co.
#6 "D" Braun
NE SE NW Sec. 22-13S-18W
Ellis County, Kansas

Commenced: 6-05-75
Completed: 6-19-75
Production: Set pipe for disposal well
Contractor: Rains & Williamson Rig #4

Elevation:	2083 KB
Surface Casing:	98' of 10-3/4" with 75 sacks
Production Casing:	3660' of 5½" with 200 sacks
Drill Time:	1' drill time from 1300' to 1450'
	1' drill time from 2900' to RTD
Samples:	10' samples from 2900' to 3200'
	5' samples from 3200' to RTD
Cores:	Two by Kansas Cores, Inc.
	Core #1 from 3245' to 3275' (30')
	Core #2 from 3275' to 3292' (17')
Drill Stem Tests	Seven by Halliburton
Mud:	by Bariod
Gas Unit:	None
Electric Log:	Laterolog, Gamma Ray, Neutron by Dresser Atlas

ELECTRIC LOG TOPS

Anhydrite	1341	(742)
Base Anhydrite	1383	(700)
Topeka	3059	(-976)
Queen Hill	3233	(-1150)
Heebner	3314	(-1231)
Toronto	3342	(-1259)
Lansing	3364	(-1281)
Base Kansas City	3605	(-1522)
Arbuckle	3619	(-1536)
Log Total Depth	3728	(-1645)
Rotary Total Depth	3730	(-1647)

Samples were examined from 2900' to RTD. Zones of interest are described in this report. All measurements are taken from Electric Log.

Topeka 3059 -976

Core #1 3245' to 3275' (30')
Core #2 3275' to 3292' (17')
See Core Analysis Report by Kansas Cores:

DST #1, 3245' to 3275'

Open 30, shut in 60, open 60, shut in 120.
Fair blow throughout.
Recovered 200' gas in pipe, 120' oil cut mud (20% oil).
FP 27-55#. BHP 318-391#. Temp. 89°.

DST #2, 3274' to 3292'

Open 30, shut in 60, open 60, shut in 120.
Weak blow for 30". No blow on final opening.
Recovered 20' mud.
FP 18-27#. BHP 418-427#. Temp. 89°.

Lansing 3364 -1281 "B" Zone

3397-3400 Limestone gray oocastic to chalky. Good porosity. Fair spotted stain. Slight show of free oil. Faint odor. Covered in DST #3.

DST #3, 3391' to 3415'

Open 30, shut in 60, open 60, shut in 120.
Weak blow for 2".
Recovered 10' mud.
FP 4-9#. BHP 418-473#. Temp. 98°.

3447-3450 Limestone gray chalky, oolitic to slightly fossiliferous. Poor to fair oocastic porosity with trace of fossil cast to vuggy porosity. Uneven spotted stain. No free oil. No odor. Electric Log calculations:
3447' to 3450' 13.5% porosity 44% salt water.

3468-3470 "G" Zone
3477-3480 Limestone gray fossiliferous to slightly oolitic. Trace of good fossil cast porosity. Uneven spotted stain. Fair show of free oil Fair odor. Electric Log calculations:
3468' to 3470' 7% porosity 48% salt water.
3477' to 3480' 7.5% porosity 60% salt water.

DST #4, 3462' to 3500'

Open 30, shut in 60, open 60, shut in 120.
Weak blow for 6".
Recovered 7' mud.
FP 36-45#. BHP 73-73#. Temp. 98°.

3504-3508 "H" Zone

This zone by Electric Log is slightly shaley. Limestone gray fine-crystalline dense, spotted uneven stain in poor vuggy porosity. Trace limestone slightly fossiliferous, fair fossil cast porosity. Slight show of free oil. Slight odor. Covered in DST #5.

3528-3532 "I" Zone

Limestone gray dense, fine-crystalline, poor vuggy porosity. Trace limestone slightly fossiliferous with fair fossil cast porosity. Fair show of free oil. Fair odor. Electric Log calculations are:

3528' to 3532'	11% porosity	30% salt water.

DST #5, 3494' to 3545'

Open 30, shut in 60, open 60, shut in 120.
Fair blow.
Recovered 180' gas in pipe, 150' gassy-slightly oil cut mud.
FP 73-55#. BHP 218-291#. Temp. 98°.

Arbuckle 3619 -1536

3619-1536 Electric Log Top
3623-1540 Sample Top

The Arbuckle top on the electric log is 3619'. This is four feet higher than the sample top. All electric log tops were four to five feet higher than sample top all the way up the hole. Samples were circulated up a a depth of 3620 feet for one hour and no Arbuckle was found. The first dolomite appeared in the 3630' drilling sample with a big increase in the 30" circulating sample. Lag time would put the top of the Arbuckle at approximately 3623 feet. Strip log correlation with the electric log shows the depth of 3623 feet on strip log is equal to a depth of 3619 feet on electric log. If electric log measurements are used all drill stem tests should be corrected four feet up the hole.

3620-3628 Dolomite, gray fine-crystalline, sucrosic. Poor porosity. Fair even stain. Fair show of free oil. Fair odor. Electric Log calculations:

3620' to 3624'	14.5% porosity	48% salt water
3624' to 3628'	18.5% porosity	40% salt water

3628-3633 Shaley.

3633-3646 Dolomite fine to medium-crystalline. Trace of fair vuggy porosity. Good stain. Good show of free oil. Good odor. Electric Log caculations:

3633' to 3637'	18.5% porosity	58% salt water
3637' to 3640'	18.5% porosity	40% salt water

3640-3720 Dolomite, gray-buff fine-crystalline with streaks of medium to coarse-crystalline dolomite with fair to good porosity. Fresh chert and cherty dolomite. Dolomite was still carrying a stain down to 3700 feet. Electric Log calculations from 3640' to 3720' varies from 11.5% up to 18.5% porosity.

DST #6, 3625' to 3635'

Open 30, shut in 60, open 60, shut in 120.
Weak blow for 15", intermittant for 5" then died. No blow on final flow.
Recovered 15' of slightly oil specked mud.
FP 18-19#. BHP 127-255#. Temp. 100°.

DST #7, 3635' to 3650'

Open 30, shut in 60, open 60, shut in 120.
Strong blow throughout.
Recovered 5' free oil, 420' salt water.
FP 55-236#. BHP 1015-996#. Temp. 109°.

STRUCTURAL COMPARISON

	Clinton Oil #6 "D" Braun NE SE NW Sec. 22-13S-18W	Clinton Oil #2 "D" Braun SE NE NW Sec. 22-13S-18W	Clinton Oil #5 "D" Braun SW NE NW Sec. 22-13S-18W
Anhydrite	+742	+739	+733
Queen Hill	-1150	-1143	-1135
Heebner	-1231	-1225	-1219
Lansing	-1281	-1276	-1274
Base Kansas City	-1522	-1516	-1517
Arbuckle	-1536	-1538	-1534

Conclusion:

The #6 "D" Braun is not a commercial oil well. I believe the information gathered will be of great value in the future. The cores and drill stem tests taken in the Topeka section should give us help in planning some kind of repressuring program. The Lansing zones were very poorly developed and without or with very poor premeability. The Arbuckle was tite, with poor premeability until fluid was reached.

After all things taken into consideration, it was decided that 5½" casing should be set @ 3660' for a disposal well with the possibility of water injection in the Topeka section.

Harvey Gough

HARVEY GOUGH

HG/ms

Clinton Oil Co.
Braun #6 "D"
NE SE NW Sec. 22-13S-18W
Ellis County, KS

1300-10	1-1-1-1-1-1-1-1-1-1
20	1-1-1-1-1-1-1-1-1-1
30	1-1-2-1-1-1-1-1-2-1
40	1-1-1-1-1-1-1-½-½-1
50	1-1-2-2-2-2-2-2-2-3
60	3-4-3-4-4-4-4-4-5-2
70	2-2-2-3-2-2-2-2-3-2
80	3-3-2-3-2-3-3-3-2-2
90	2-2-1-2-2-1-1-1-1-½
90-1400	½-½-½-½-½-½-½-½-½-½
1400-10	½-½-½-½-½-½-½-½-½-½
20	½-½-½-½-½-½-½-½-½-½
30	½-½-½-½-½-½-½-½-½-½
40	½-½-½-½-½-½-½-½-½-½
1400-50	½-½-½-½-½-½-½-½-½-½
2900-10	4-3-5-4-3-5-3-4-4-4
20	3-2-2-4-3-3-3-3-3-2
30	3-2-2-2-2-2-3-1-1-2
40	1-2-1-2-2-4-4-4-4-3
50	3-3-3-3-4-4-4-5-3-5
60	3-4-5-1-2-3-3-4-4-4
70	3-4-3-3-2-4-5-5-4-4
80	5-3-3-4-5-2-4-5-5-5
90	5-5-4-5-3-4-3-4-3-3
90-3000	3-3-2-1-1-1-1-1-1-1
3000-10	1-2-2-2-4-4-4-4-4-2
20	2-2-2-2-2-3-2-3-3-3
30	3-3-3-3-2-1-1-2-2-4
40	2-3-2-2-2-3-2-2-3-3
50	2-2-2-2-2-2-2-2-2-1
60	2-3-2-2-2-2-4-4-3-4
70	4-3-5-4-4-4-5-3-1-1
80	1-3-3-4-5-5-5-5-6-6
90	3-3-2-3-3-4-4-4-4-5
90-3100	5-5-4-5-5-5-3-4-4-3
3100-10	4-3-3-2-2-2-2-1-1-2
20	3-2-2-4-5-5-6-5-5-4
30	6-6-5-5-4-5-3-2-3-4
40	3-3-4-7-7-5-6-6-5-5
50	5-3-4-3-3-4-3-3-4-3
60	2-4-3-4-3-3-3-3-4-3
70	4-2-3-3-3-4-3-3-3-3
80	3-2-3-2-1-3-4-5-4-4
90	4-4-6-2-3-3-3-3-3-2

3200-10	3-5-5-5-6-5-3-5-3-5	
20	5-5-5-6-6-6-6-6-6-5	
30	6-7-5-6-5-5-6-6-6-6	
40	5-6-6-6-6-6-7-5-3-4	
50	4-9-7-8-6-60-23--37-45-37	(3236' to 3292' Core)
60	22-34-28-21-32-33-33-36-46-60	
70	21-17-29-24-23-19-25-19-19-30	
80	37-26-21-20-29-26-29-29-21-11	
90	10-9-11-18-7-4-6-15-27-27	
90-3300	26-15-3-4-5-6-6-5-6-5	
3300-10	7-8-8-8-6-6-6-6-9-9	
20	9-9-9-8-6-6-7-9-9-3	
30	3-6-7-8-7-8-7-6-5-7	
40	6-5-6-5-5-5-4-4-4-4	
50	4-5-5-5-7-6-6-7-7-6	
60	6-4-8-6-7-6-6-8-6-8	
70	4-4-4-4-3-6-6-5-7-6	
80	4-4-4-4-3-6-6-5-7-6	
90	5-2-4-6-6-4-5-5-5-6	
90-3400	6-5-4-5-4-5-7-9-10-10	
3400-10	3-2-5-7-8-7-7-7-6-9	
20	9-7-7-6-6-4-7-7-6-9	
30	8-8-9-8-6-8-9-9-9-7	
40	7-7-8-5-5-8-7-6-9-5	
50	4-5-7-8-6-9-6-7-9-10	
60	10-7-5-3-5-8-8-7-6-7	
70	6-6-5-5-5-7-7-6-10-7	
80	7-7-6-6-7-7-7-6-6-7	
90	7-5-9-7-6-4-4-4-5-5	
90-3500	5-5-5-5-6-3-4-4-7-5	
3500-10	3-4-5-4-6-7-6-5-5-5	
20	6-7-6-5-6-6-8-8-5-8	
30	7-7-5-7-7-7-7-5-6-8	
40	7-7-6-7-7-7-7-6-8-8	
50	8-8-9-7-6-4-10-8-6-8	
60	9-10-11-8-10-8-8-9-9-9	
70	11-5-5-7-6-5-8-10-7-7	
80	5-8-8-8-7-7-10-8-9-8	
90	10-7-8-8-8-9-9-9-8-9	
90-3600	8-7-7-8-8-10-10-9-11-7	

3600-10	8-9-9-8-11-9-10-7-6-6
20	6-6-8-6-5-6-6-5-5-7
30	6-7-6-5-6-5-6-6-5-5
40	4-6-4-6-5-1-4-4-3-2
50	2-4-4-3-4-4-4-4-6-8
60	5-5-4-4-5-4-4-4-5-5
70	5-5-8-7-7-6-6-6-4-4
80	6-6-6-5-6-6-6-4-4-7
90	4-5-5-6-4-4-3-6-7-6
90-3700	6-8-6-6-6-4-8-7-8-8
3700-10	7-6-5-9-6-5-8-7-5-7
20	6-5-8-6-6-5-4-4-7-7
30	8-8-11-7-7-9-9-9-8-10