

15-185-11095-0000

C. Bond

[Signature]

GEOLOGICAL REPORT

CONTINENTAL OIL COMPANY

IRMA I. SMITH #2

NW SE SW SECTION 10-25S-15W

STAFFORD COUNTY, KANSAS

RECEIVED
STATE CORPORATION COMMISSION

JUL 31 1972

CONSERVATION DIVISION
Wichita, Kansas

CONSULTING GEOLOGIST

BILL IVERSEN

Drillers Log not available

*Jay M. Currey
Clinton Oil Co.
7-28-72*

September 6, 1961

Continental Oil Company
335 West Lewis Street
Wichita, Kansas

Re: Irma I. Smith #2
NW SE SW Section 10-25S-15W
Stafford County, Kansas

Gentlemen:

Submitted herewith is my geological report on the above captioned well.

Drilling time was plotted from 2000' to 4070', total depth. Drilling progress was observed from 2310' to 2520' and 3712' to 4070'. Samples were described from 2300' to total depth.

Geological tops and zones were taken from samples, drilling time, and Welex log.

WELL DESCRIPTION

Operator: Continental Oil Co.	Commenced Drilling: 8-21-61
Farm: Irma I. Smith	Completed Drilling: 9-2-61
Well No.: 2	Casing: 8 5/8" @ 262'
Location: NW SE SW Section 10-25S-15W Stafford County, Kansas	
Elevation: 2041 R.B.	Contractor: Sierra Petroleum

FORMATION TOPS

Heebner	3622	(-1581)
Toronto	3644	(-1603)
Brown Lime	3768	(-1727)
Lansing-Kansas City	3784	(-1743)
Base Kansas City	4062	(-2021)

SAMPLE DESCRIPTION, OIL SHOWS and/or POROSITY ZONES

COUNCIL GROVE:

2382-2390 Limestone, tan, oolitic porosity, no shows.

DRILL STEM TEST #1: 2381-2400'

Halliburton Tester
Tool Open: 50" - 30"
Blow: Weak to none (flushed tool twice)
Pressures: FBHP 675#
IFP 5#
FFP 25#

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2504-2511 Limestone, buff, fine oolitic and oolitic, fair porosity, no shows.

DRILL STEM TEST #2: 2498-2520
Halliburton Tester
Tool Open: 30" - 60" - 30"
Blow: Weak
Recovery: 10' mud
Pressures: IBHP 745#
 FBHP 600#
 IFP 8#
 FFP 35#

LANSING-KANSAS CITY: 3784 (-1743)
3828-3832 Limestone, light grey, finely crystalline, slightly chalky.
3838-3842 Limestone, light grey, finely crystalline, also grey chert.
3857-3863 Limestone, white, finely crystalline, chalky.
3872-3882 Limestone, tan to light brown, oolitic porosity, slightly dolomitic, no shows, trace of fluorescence.
3898-3905 Limestone, white, chalky.
3926-3935 Limestone, tan, oolitic, porous, some with fair stain, free oil and odor.
3962-3970 Limestone, oolitic, some slightly fossiliferous, some with stain and free oil.
3970-3984 Limestone, tan to grey oolitic, porous, no shows.

RECOMMENDATIONS

Structurally, this test was 3' lower than the #1 Smith on top of the Lansing. The two producing zones were 7' lower. The zone from 3872-3882 was not developed in the #1 Smith. I recommend the following zones be tested:

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Stafford County, Kansas

1. 3964-3970

2. 3926-3934

After production is depleted from these two zones and from information derived from additional tests, it may be advisable to perforate from 3872-3876.

Respectfully submitted,


Bill Iversen

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TIME LOG

CONTINENTAL OIL CO., IRMA I. SMITH #2, NW SE SW, SECTION 10-25S-15W,
Stafford County, Kansas.

DEPTH	TIME	REMARKS
3700	3710	2-2-2-3-2-2-1-3-2-3
	3720	2-2-3-3-2-2-2-3-2-2
	3730	2-2-3-3-2-1-2-1-2-2
	3740	2-2-2-2-2-3-2-2-3-4
	3750	1-2-2-2-2-2-2-3-2-2
	3760	1-2-2-2-2-2-2-2-2-2
	3770	1-2-2-2-2-2-2-3-6-6
	3780	4-6-4-2-4-3-3-3-3-4
	3790	3-4-4-3-5-7-6-7-7-4
	3800	6-8-5-6-6-6-8-10-7-5
3800	3810	4-4-10-6-7-6-7-7-7-5
	3820	5-5-4-5-3-3-5-5-6-8
	3830	2-3-8-9-8-9-3-3-6-6
	3840	5-6-6-7-6-6-8-8-5-5
	3850	10-10-10-9-9-10-3-8-8-7
	3860	9-8-7-7-9-4-3-6-4-5
	3870	3-5-7-7-10-8-8-7-6-9
	3880	10-5- $\frac{1}{2}$ - $\frac{1}{4}$ - $\frac{1}{4}$ - $\frac{1}{2}$ - $\frac{1}{2}$ -3-2-1
	3890	1-4-7-9-9-7-9-8-7-6-
	3900	8-10-6-7-7-8-9-7-5-7
3900	3910	7-8-7-8-6-9-10-7-9-10
	3920-	10-9-8-9-9-13-12-9-10-11
	3930	9-6-10-7-12-5-5-4-2- $\frac{1}{2}$
	3940	1-2 $\frac{1}{2}$ -6-6-11-13-13-12-12-13
	3950	4-7-5-5-2-5-4-3-5-5
	3960	5-6-6-6-6-5-4-6-6-3
	3970	3-5-3-4-4-3-1-1-2-1
	3980	2-2-2-1-2-1-1-2-2-3
	3990	2-2-2-1-2-4-5-7-5-6
	4000	7-8-7-9-5-5-5-7-8-7
4000	4010	7-7-6-5-4-5-5-5-5-5
	4020	5-4-5-6-6-9-9-6-7-7
	4030	7-9-6-7-7-9-7-7-8-6
	4040	9-9-9-8-8-6-5-5-6-4
	4050	5-5-5-4-6-6-6-6-6-7
	4060	6-7-7-9-9-10-10-9-9-10
	4070	9-8-10-11-14-7-8-9-6-7

Trip @ 3940

TOTAL DEPTH - 4070

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