FORM M-41
2M 11-45 TPCO.

DRILLING WELL COMPLETION REPORT

Well No. 1 Farm Name C. H. Werhahn

Date completed 5-18-46

Description NW/4, Section 31-19S-15W

County Barton, State Kansas

Initial production Dry bbls. Total depth 3812 feet

Initial volume ..... cu. ft. ..... lbs. rock pressure

Pipe Line Company .....

Gas Company .....

Remarks: Plugged and abandoned

A. E. PIERCE

Accounting Dept. 3
Scouting Dept.
Geological Dept.
Pipe Line Dept.
Inventory Comptroller
Rental Dept.
Legal Dept.
Tax Dept.
Engineering Dept.
Lease Inventory
File

Esleeck Fidelity Onion Skin MADE IN U.S.A.

MID CONTINENT PETROLEUM CORPORATION WELL RECORD

C. H. Werhahn Well No. 1

NW¼ Sec. 31-19S-15W, Barton County, Kansas
330' from north line & 330' from west line.
Drilling commenced 4-25-46; drilling completed 5/17-46.
Well completed and plugged as a dry hole 5-18-46.
Drilling Contractor: Barnett Drilling Company.

FORMATION RECORD

Surface clay	0	40
Sand & clay	40	75
Lime	75	195
Shale & shells	195	435
Sand	435	505
Sand & red bed	505	675
Shale & shells	675	980
Lime	980	1000
Shale & shells	1000	1815
Lime	1815	1945
Sandy lime	1945	2000
Shale & lime	2000	2030
Lime	2030	2270
Shale & shells	2270	2315
Shale & lime	2315	2595
Shale & shells	2595	2685
Shale & lime	2685	2735
Shale & shells	2735	2870
Shale & lime	2870	3015
Lime	3015	3030
Shale & lime	3030	3140
Lime	3140	3280
Shale & lime	3280	3295
Lime	3295	3335
Shale	3335	3344
Lime	3344	3349
Lime	3349	3612
Conglomerate	3612	3686
Lime	3686	3812 TD

Top brown Lansing	3335
Top white Lansing	3344
Top Arbuckle	3686

Cored Arbuckle lime 3692-3704; recovered 1' hard, white lime.
Drill stem test in Arbuckle, 3692-3719; tool open 20 minutes; showed 20' of mud in drill pipe.
Drilled to 3812 in Arbuckle lime; no show; plugged and abandoned.

Ran Schlumberger log on 5-17-46 to total depth, 3812.

CASING RECORD

Set 988'3" of 9 5/8" 36# SS casing at 995' with 400 sacks of cement; left in hole when plugged.

PLUGGING RECORD

Hole filled with heavy mud from 3812 to 400'; drove wooden plug to 400'; cemented from 400' to 362' with 15 sacks of cement; mudded hole from 362' to 33'; cemented from 33' to 8' with 10 sacks. Bottom of cellar at 8'. Cellar to be filled to ground level with dirt.

I, the undersigned, being first duly sworn upon oath, state that this well record and plugging record are true, correct and complete, according to the records of this office, and to the best of my knowledge and belief.

MID CONTINENT PETROLEUM CORPORATION

BY:

A. E. Pierce, Vice President

Subscribed and sworn to before me this
28th day of May, 1946.
My Commission expires Aug. 14, 1948.

Notary Public

COMPANY: Inland Oil, Inc. FARM: Werhahn WELL NO. 1

SECTION 31, Twp. 19S, Rge. 15W LOC. SE/4 SW/4 Barton County, Kansas

CONTRACTOR: Campbell Drilling Company SIZE HOLE: 7 7/8 DRILL PIPE 4½

SIZE PUMP LINERS: 6 3/4 LENGTH STROKE 12

DATE: July 26, 1946

DEPTH	MINUTES
3250-3270	12; 13; 11; 14; 13; 16; 10; 10; 10; 10; 10; 10; 9; 11; 13; 7; 7; 8; 8; 8.
3271-3290	7; 8; 9; 9; 9; 9; 9; 7; 8; 8; 12; 12; 7; 9; 10; 11; 11; 10; 8; 15.
3291-3310	16; 15; 14; 13; 12; 15; 16; 14; 10; 9; 12; 11; 14; 17; 18; 13; 11; 12; 12; 13.
3311-3330	12; 11; 10; 11; 10-R; 7-R; 10; 12; 11; 12; 11; 8; 10; 11; 12; 12; 13; 13; 13; 14.
3331-3350	13; 10; 13; 6-SR; 6-SR; 8-R; 7; 5; 8; 5; 8-SR; 7-SR; 6-SR; 6-SR; 7-SR; 6-SR; 6-SR; 7-SR; 7-SR; 6-SR.
3351-3370	6-SR; 7-SR; 6-SR; 7-SR; 7-SR; 6-SR; 6-SR; 4-SR; 6-SR; 6-SR; 5-SR; 6-SR; 6-SR; 5-R; 7-SR; 5-R; 5-SR; 6-SR; 6-SR; 6-SR.
3371-3390	6-SR; 7-SR; 6-SR; 7-SR; 6-SR; 5-SR; 7-SR; 11; 9; 10; 8; 8; 8; 8; 8; 8; 7; 7; 2R; 2R.
3391-3410	1R; 2R; 2; 5; 9-Cir. Fair Odor; 11; 11; 12; 9; 6; 12; 11; 10; 11; 17; 20; 11; 16; 13; 15.
3411-3430	12; 14; 9; 10; 10; 9; 9; 8; 9; 9; 12; 12; 14; 11; 12; 11; 12; 11; 10; 11.
3431-3450	11; 14; 12; 12; 8-SR; 8-SR; 6-SR; 15; 13; 19; 11; 15; 16; 21; 15; 18; 18; 13; 16; 12-SR.
3451-3470	6-SR; 7-SR; 7; 6; 9; 11; 8; 11; 12-R; 5; 2; 3; 2; 2; 1-Start 1½ hr. Cir.; 1; 2;1; 2; 1 Cir. 1½ hr.
3471-3490	1; 1; 4; 7; 7; 6; 7; 6; 5; 8; 8; 9; 8; 9; 9; 11; 9; 10; 10; 15.
3491-3510	13; 14; 16; 15; 12; 13; 13; 10; 13; 14-R; 20; 16 14; 17; 24; 19; 20; 20; 19; 24.
3511-3530	20; 19-2nd ½ SR; 17; 14; 15; 17; 15; 14; 19; 17; 7; 7; 10; 10; 12; 10; 10; 9; 9; 9.
3531-3550	10; 10; 10; 7; 8; 7; 7; 5; 6; 6; 7; 6R; 4; 3; 6; 8; 8; 8; 8R Acts like Chert; 8.
3551-3570	9; 11; 8; 8; 6; 7-R & Cherty; 4; 4; 6; 6; 5; 5; 7; 7; 7; 7; 6; 9; 10; 8.
3571-3590	8; 12; 10; 15; 11; 12; 14; 14; 15; 9; 13; 11; 12; 14;12; 11; 11; 11; 10; 5.
3591-3610	6; 7; 6; 7; 5; 7; 4; 6; 6; 6; 6; 6; 7; 8; 9; 11; 13; 13; 10; 11.
3611-3630	11; 11; 13; 13; 11; 9; 8; 9; 12; 14; 10; 13; 11; 9-SR; 12; 12; 10; 11; 10; 11.
3631-3650	10; 9-SR; 10; 9; 9-SR; 12-SR; 9-SR; 12-SR; 12-SR; 12-SR; 11-R; 12-SR; 13-SR; 12; 14; 15-SR- 10-SR; 9-SR; 10-SR; 7-SR.
3651-3670	8-SR; 10-SR; 10-SR; 9-SR- 15-SR; 11; 9; 11; 10; 10-R; 9; 8; 9; 8; 9; 9; 10; 8; 8; 12-R.
3671-3690	9; 11; 12-R; 11; 13; 11; 10-R; 9-R; 11-R; 12-R; 12-R; 8; 6; 7; 7; 6; 6; 10; 10-SR; 9.
3691-3710	10; 11; 15; 9-SR; 13; 11; 12; 8; 9; 7-R; 8; 10; 16; 13; 7; 12; 10; 7-SR; 11; 10.
3711-3730	11; 11; 8; 10; 5; 6; 7; 10; 13; 12; 13; 10; 9; 6; 11; 12-R; 9-R; 8; 9-R; 6-SR.
3731-3750	7-SR; 9-SR; 4-SR; 8-SR; 10-SR; 17; 12-SR; 11-SR; 7-R; 9-R; 11-R; 13-R; 10-R 12-R; 14-R; 16-R; 12-R; 13-R; 14; 6.