

State Geological Survey
KANSAS DRILLERS LOG

IMPORTANT
Kans. Geo. Survey request
sample from this well.

API No. 15 — 025 — 20211
County Number

Operator

American Petrofina Co. of Texas

Address

4613 Jacksboro Highway Wichita Falls, Texas

Well No.

#1-16A

Lease Name

Theis

Footage Location

710

feet from (N) (S) line

1820

feet from (E) (W) line

Principal Contractor

Sage Drilling Company

Geologist

Ed Nichols

Spud Date

5-8-78 11:30 PM

Total Depth

6058

P.B.T.D.

6003

Date Completed

5-23-78

Oil Purchaser

Northern Natural

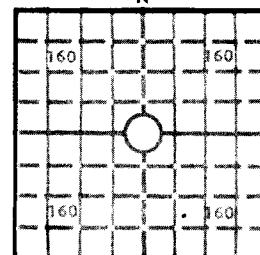
15-025-20211
* Location changed after
drilling permit issued

S. 16 T. 35S R. 25 E W

Loc* 1820' FEL 710' FSL

County Clark

640 Acres



Locate well correctly

Elev.: Gr. 2010

DF KB 2019

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

| Purpose of string | Size hole drilled | Size casing set (in O.D.) | Weight lbs/ft. | Setting depth | Type cement | Sacks | Type and percent additives |
|-------------------|-------------------|---------------------------|----------------|---------------|-----------------|-------|----------------------------|
| | 30" | 20" | 80# | 121 | Class H | 400 | 2% Ca Cl |
| | 17 1/2" | 13 3/8" | 48# | 432 | Lt. Wt. Class H | 250 | 2% Ca Cl |
| | 12 1/4" | 8 5/8" | 24# | 632 | Lt. Wt. Class H | 100 | 3% Ca Cl |
| | 7 7/8" | 5 1/2" | 15.5# | 6055 | 50/50 Pozmix | 150 | 2% Ca Cl |
| | | | | | | 150 | 3% Ca Cl |
| | | | | | | 200 | 18% Salt |

LINER RECORD

| Top, ft. | Bottom, ft. | Sacks cement |
|----------|-------------|--------------|
|----------|-------------|--------------|

PERFORATION RECORD

| Shots per ft. | Size & type | Depth interval |
|---------------|-------------|----------------|
|---------------|-------------|----------------|

TUBING RECORD

| Size | Setting depth | Packer set at |
|------|---------------|---------------|
|------|---------------|---------------|

| | | |
|---|-----------|---------|
| 2 | 3/8" Jets | 5947-54 |
|---|-----------|---------|

| | | |
|---|-----------|---------|
| 2 | 3/8" Jets | 5910-31 |
|---|-----------|---------|


ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used | Depth interval treated |
|----------------------------------|------------------------|
| 3000 gals Surfactant Acid | 5910-31, 5947-54 |
| 12,000 gals. Acid | |
| | |

INITIAL PRODUCTION

| | |
|--|--|
| Date of first production 6-26-78 | Producing method (flowing, pumping, gas lift, etc.) Flowing |
| RATE OF PRODUCTION PER 24 HOURS | Oil 0.5 bbls. Gas 500 MCF Water 0.5 bbls. Gas-oil ratio 1,000,000 CFPB |
| Disposition of gas (vented, used on lease or sold) Sold | Producing interval (s) Miss. Chester 5910- 5954 OA |

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

| | | | |
|---|---|---|-------------|
| Operator AMERICAN PETROFINA COMPANY OF TEXAS | | DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Gas | |
| Well No. 1-16A | Lease Name Theis | | |
| S <u>16</u> T <u>35S</u> R <u>25</u> ^X / _W | | | |
| WELL LOG <small>Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.</small> | | SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION. | |
| FORMATION DESCRIPTION, CONTENTS, ETC. | TOP | BOTTOM | NAME |
| Red Bed | 0 | 632 | |
| Red Bed & Shells | 632 | 1905 | |
| Red Bed & Shale | 1905 | 2110 | |
| Anhydrite & Shale | 2110 | 2730 | |
| Dolomite & Shale | 2730 | 3138 | |
| Shale & Dolomite | 3138 | 3400 | |
| Lime & Shale | 3400 | 3965 | |
| Shale & Lime | 3965 | 4180 | |
| Lime & Shale | 4180 | 5293 | |
| Shale & Lime | 5293 | 5405 | |
| Lime & Shale | 5405 | 6055 | |
| USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD. | | | |
| Date Received | <div style="text-align: center;">  Signature District Production Manager Title 7-27-78 Date </div> | | |