

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 0 feet to 9050 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing February 2, 1964
OIL WELL: The production during the first 24 hours was 209 barrels of liquid of which 97 % was
was oil; % was emulsion; 3 % water; and % was sediment. A.P.I.
Gravity 39.6
GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of
liquid Hydrocarbon. Shut in Pressure lbs.
Length of Time Shut in

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

| Southeastern New Mexico | | | Northwestern New Mexico | | |
|-------------------------|-------|--|-------------------------|--|-----------------------|
| T. Anhy | 1742' | | T. Devonian | | T. Gjo Alamo |
| T. Salt | 1875' | | T. Silurian | | T. Kirtland-Fruitland |
| B. Salt | 3030' | | T. Montoya | | T. Farmington |
| T. Yates | 3130' | | T. Simpson | | T. Pictured Cliffs |
| T. 7 Rivers | | | T. McKee | | T. Menefee |
| T. Queen | 4275' | | T. Ellenburger | | T. Point Lookout |
| T. Grayburg | | | T. Gr. Wash | | T. Mancos |
| T. San Andres | 5176' | | T. Granite | | T. Dakota |
| T. Glorieta | | | T. | | T. Morrison |
| T. Drinkard | | | T. | | T. Penn |
| T. Tubbs | | | T. | | T. |
| T. Abou Reef | 8740' | | T. | | T. |
| T. Penn | | | T. | | T. |
| T. Miss | | | T. | | T. |

FORMATION RECORD

| From | To | Thickness in Feet | Formation | From | To | Thickness in Feet | Formation |
|---|------|----------------------|--------------------|------|----|----------------------|-----------|
| 0 | 345 | 345 | Caliche | | | | |
| 345 | 1740 | 1395 | Redbed | | | | |
| 1740 | 1870 | 130 | Anhy | | | | |
| 1870 | 3030 | 1160 | Anhy & Salt | | | | |
| 3030 | 3200 | 170 | Anhy, Salt & Lime | | | | |
| 3200 | 3460 | 260 | Anhy & Sand | | | | |
| 3460 | 3920 | 460 | Anhy, Lime & Sand | | | | |
| 3920 | 4810 | 890 | Anhy & Lime | | | | |
| 4810 | 5640 | 830 | Lime & Chert | | | | |
| 5640 | 6220 | 580 | Lime, Chert & Sand | | | | |
| 6220 | 7888 | 1668 | Lime & Sand | | | | |
| 7888 | 9050 | 1162 | Lime | | | | |
| Total Depth | 9050 | | | | | | |
| FBTD | 9042 | | | | | | |
| All measurements from rotary tabke or 10' Above ground level. | | | | | | | |
| Estimate Number | | 6341 | | | | | |
| 6 - NOCC | | | | | | | |
| 1 - SLO-Santa Fe | | | | | | | |
| 1 - Field | | | | | | | |
| 1 - File | | | | | | | |

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Company or Operator TEXACO Inc.
Name H. D. Raymond
Address P. O. Box 728 - Hobbs, New Mexico
Position or Title Assistant District Superintendent
Date February 3, 1964

State of New Mexico "AE" Well Number 20

Spudded 15" Hole 6:00 A. M. November 15, 1963. Ran 339' of 11 3/4" O. D. Casing and cemented at 350 with 300 Sx. regular neat cement. Plug at 320'. Cement Circulated. Tested before and after drilling plug for 30 minutes with 600 P. S. I. Tested O. K. Job complete 10:00 P. M. November 17, 1963.

Ran 3572' of 8 5/8" O. D. Casing and cemented at 3584' with 1600 Sx Class "C" 8% Gel and 150 Sx Class "C" regular cement. Plug at 3554'. Cement Circulated. Tested before and after drilling plug for 30 minutes with 1500 P. S. I. Tested O. K. Job complete 8:30 A. M. November 24, 1963.

Ran 9040' of 2 7/8" O. D. Casing and cemented at 9050' with 300 Sx. Class "C" 8% Gel with .8 - 1% FRA, with 4% salt by weight of mix water, plus 1000 Sx. Class "C" 4% Gel. Plug at 9042'. Tested with 1500 P. S. I. for 30 minutes. Tested O. K. Job complete 6:00 P. M. January 13, 1964.

Perforate 2 7/8" O. D. Casing with one jet shot per ft from 8969' to 8970', 8977' to 8978', 8988' to 8989', 8993' to 8994', 9002' to 9003', 9009' to 9010', 9022' to 9023', and 9035' to 9036'. Acidize with 8 BBLS. acetic acid. Swab well dry. Re-acidize with 3700 Gals LSTNE. Swab well. Squeeze perforations with 100 Sx. neat cement.

Re-perforate 2 7/8" O. D. casing with one jet shot per interval from 8969', 8970', 8977', 8978', 8988', and 8989'. Acidize with 250 Gals LSTNE. Swab well. Re-perforate 2 7/8" O. D. casing with two jet shots per interval 8746' to 8747', 8766' to 8767', 8772' to 8773', 8781' to 8782', 8785' to 8786', 8789' to 8790', 8816' to 8817', 8820' to 8821', 8867' to 8868', 8872' to 8873', 8879' to 8880', 8883' to 8884', and 8888' to 8889'. Acidize with 500 gals acetic acid. Re-acidize with 11,000 gals 15% LSTNE in 11 stages with ball sealer between each stage. Swab well.

On 24 Hour Potential Test well swabbed 203 BO and 6 BW, ending 6:00 A. M. February 3, 1964.

GOR - 805

Gravity - 39.6

Top of Pay - 8746'

Btm of Pay - 8989'

NMOCS Date - January 10, 1964

TEXACO Inc. Date - February 3, 1964.