

Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in **QUINTUPLICATE**. If State Land submit 6 Copies

AREA 640 ACRES
LOCATE WELL CORRECTLY

TEXACO Inc.

State of New Mexico "R" NCT-3

.....
(Company or Operator)

(Lease)

Well No. 16, in NE $\frac{1}{4}$ of SE $\frac{1}{4}$, of Sec. 1, T. 18-S, R. 34-E, NMPM.

Vacuum Abo Reef Pool Lea County.

Well is 1655 feet from South line and 330 feet from East line

of Section.....1..... If State Land the Oil and Gas Lease No. is.....B-1306-1.....

Drilling Commenced..... July 25 1964 Drilling was Completed..... August 23 1964

Name of Drilling Contractor.....McVay Drilling Company.....

Address..... P. O. Box 924 - Hobbs, New Mexico

Elevation above sea level at Top of Tubing Head.....3996'..... The information given is to be kept confidential until

December 1964

See the attached sheet

OIL SANDS OR ZONES

No. 1, from.....to..... No. 4, from.....to.....

No. 2, from.....to..... No. 3, from.....to.....

No. 3, from.....to..... No. 6, from.....to.....

Drilled with rotary tools and no water sands tested.

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.

No. 2, from.....to.....feet.

No. 3, from to feet.

No. 4, from.....to.....feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
11 3/4"	23.72	NEW	387'	HOWCO	NONE	NONE	Surface
8 5/8"	24.00	NEW	3237'	HOWCO	NONE	NONE	Intermediate
2 7/8"	6.50	NEW	8789'	HOWCO	NONE	See Attached	Production

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
15"	11 3/4"	402'	350	HOWCO		
10 5/8"	8 5/8"	3250'	1650	HOWCO		
7 7/8"	2 7/8"	8800'	1600	HOWCO		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

See attached sheet.

Result of Production Stimulation..... See attached sheet.

Depth Cleaned Out.....8800!

1970 1971

RECORD OF DRILL-STEM AND SPECIAL TESTS

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

TOOLS USED

Rotary tools were used from 0 feet to 8800 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing October 8, 1964

OIL WELL: The production during the first 24 hours was 40 barrels of liquid of which 73% was oil; % was emulsion; 27% water; and % was sediment. A.P.I. Gravity 39.4

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 1458'	T. Devonian	T. Ojo Alamo
T. Salt 1550'	T. Silurian	T. Kirtland-Fruitland
B. Salt 2702'	T. Montoya	T. Farmington
T. Yates 2785'	T. Simpson	T. Pictured Cliffs
T. 7 Rivers	T. McKee	T. Menefee
T. Queen 3730'	T. Ellenburger	T. Point Lookout
T. Grayburg	T. Gr. Wash	T. Mancos
T. San Andres 4437'	T. Granite	T. Dakota
T. Glorieta 4933'	T.	T. Morrison
T. Drinkard	T.	T. Penn.
T. Tubbs	T.	T.
T. Abo 8072'	T.	T.
T. Abo Reef 8464'	T.	T.
T. Miss	T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	205	205	Caliche				
205	1397	1192	Redbed				
1397	1458	61	Redbed & Sand				
1458	1550	92	Redbed & Anhy				
1550	2702	1152	Anhy & Salt				
2702	3720	1018	Anhy & Lime				
3720	4460	740	Lime				
4460	5880	1420	Lime & Sand				
5880	6625	745	Lime & Chert				
6625	7644	1019	Lime, Chert & Sand				
7644	8210	566	Lime & Chert				
8210	8800	590	Lime, Chert & Sand				
TD	8800						
PBTD	8790						

All measurements from rotary table or 11' above ground level.

Estimate Number 8132

6-NMOCC
1-State Land Office-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. Hobbs, New Mexico October 9, 1964
Address P. O. Box 728-Hobbs, New Mexico
Name H. D. Raymond Assistant to the District Supt.
H. D. Raymond

State of New Mexico "R" NCT-3 Well No. 16

Spudded 15" Hole 3:30 P. M. July 25, 1964. Ran 387' of 11 3/4" O. D. Casing and cemented at 402' with 350 Sx. neat with 2% CACL. Plug at 357'. Cement Circulated. Tested before and after drilling plug for 30 minutes with 600 P. S. I. Tested O. K. Job complete 8:45 P. M. July 26, 1964.

Ran 3237' of 8 5/8" O. D. Casing and cemented at 3250' with 1500 Sx. Class "A" Pozmix 8% gel, plus 150 Sx. Class "A" regular neat. Plug at 3217'. Cement Circulated. Tested before and after drilling plug for 30 minutes with 1500 P. S. I. Tested O. K. Job complete 7:00 A. M. August 1, 1964.

Whipstock set at 6984' to correct back to vertical. For survey report see attached copy of survey report by Eastman Oil Well Survey Company.

Ran 8789' of 2 7/8" O. D. Casing and cemented at 8800' with 500 Sx. 8% gel with FRA, 800 Sx. Incor 8% gel and 300 Sx. Incor 4% gel. Plus 400 gals. Acetic Acid. Plug at 8790'. Tested for 30 minutes with 1500 P. S. I. Tested O. K. Job complete 8:00 A. M. August 26, 1964.

Perforate 2 7/8" O. D. Casing with two jet shots at 8490, 8508, 8525, 8544, 8572, 8619, 8636, 8648 and 8665'. Acidize perforations with 400 gals. acetic acid. Swab Well. Re-Acidize with 1000 gals. 15% NE acid. Swab Well. Re-Acidize with eight 1000 gal. stages of 15% NE acid. Swab Well. Squeeze perforations with 50 Sx. cement. Re-perforate 2 7/8" Casing with two jet shots per interval at 8594', 8605', 8612', 8619', 8630', 8639', 8648', and 8674'. Acidize with 500 gals intensified acid. Swab well. Re-acidize with 6000 gals dolofrac in three stages with six ball sealers between stages. Swab well dry. Squeeze perforations with 50 Sx. cement. Re-perforate 2 7/8" Casing with two jet shots at 8472', 8484', 8495', 8507', 8527', 8552', and 8572'. Acidize with 500 gals intensified acid. Swab well. Re-acidize with 6000 gals dolofrac in three stages with four ball sealers between stages. Swab well. Re-acidize with 15000 gals dolofrac. Swab well.

On 24 Hour Potential Test well swabbed 29 BBL oil and 11 BBL Water, ending 6:00 A. M. October 9, 1964.

GOR - 148

GRAVITY - 39.4

TOP OF PAY - 8472'

BTM OF PAY - 8572'

NMOCC DATE - August 23, 1964.

TEXACO Inc. DATE - October 9, 1964.