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AREA 640 ACRES  
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION  
HOBBBS OFFICE O. C. C. Santa Fe, New Mexico  
Nov 20 2 58 PM '63  
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

State of New Mexico "M"

TEXACO Inc.  
(Company or Operator)

Well No. 5, in NW 1/4 of NW 1/4, of Sec. 1, T. 18S, R. 34E, NMPM.  
Vacuum (Wolfcamp)-Vacuum (Glorieta) Pool, Lea County.  
Well is 560 feet from North line and 760 feet from West line  
of Section 1. If State Land the Oil and Gas Lease No. is B-1080-1  
Drilling Commenced June 13, 1963 Drilling was Completed August 16, 1963  
Name of Drilling Contractor Brahaney Drilling Company  
Address P. O. Box 1695, Midland, Texas  
Elevation above sea level at Top of Tubing Head 4010 D.F. The information given is to be kept confidential until March, 1964

See Attached Sheet

OIL SANDS OR ZONES

No. 1, from to No. 4, from to  
No. 2, from to No. 5, from to  
No. 3, from to No. 6, from to

Drilled with rotary tools and no IMPORTANT WATER SANDS water sands tested.  
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
*16 8 13-3/8	54.5	New	1392	Howco	None	None	Surface
9-5/8	36.0	New	4776	Howco	None	None	Intermediate
WC 2-7/8	6.4	New	10,191	Howco	None	See Attached	Oil
Abo 2-7/8	6.4	New	10,215	Howco	None	See Attached	Oil
Glorieta 2-7/8	6.4	New	9462	Howco	None	See Attached	Oil

MUDDING AND CEMENTING RECORD						
SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
*20	13-3/8	1504	1150	Howco		
17-1/2	9-5/8	4788	1700	Howco		
WC 8-3/4	2-7/8	10,202	** 2250	Howco		
Abo 8-3/4	2-7/8	10,226	** 2250	Howco		
Glor. 8-3/4	2-7/8	9473	** 2250	Howco		

RECORD OF PRODUCTION AND STIMULATION

\*\* Combined three strings (Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

See Attached

Result of Production Stimulation See Attached

Depth Cleaned Out 12,215  
\*16" OD 650# New 100' set with 13-3/8" casing  
PBTD Wolfcamp 10,192'  
PBTD Glorieta 9473'

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 12,215 feet, and from feet to feet.  
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing See Attached Sheet, 19  
OIL WELL: The production during the first 24 hours was Glorieta 200 G1. 20  
Wolfcamp 304 WC. 93 % was  
was oil; % was emulsion; G1. 80 WC: 7 % water; and % was sediment. A.P.I.  
Gravity. WC. 41.6°  
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	1480'		T. Strawn	10,824'	T. Ojo Alamo
T. Salt	1650'		T. Morrow	11,075'	T. Kirtland-Fruitland
B. Salt	2630'		T. L. Miss.	11,280'	T. Farmington
T. Yates	2775'		T. Woodford	11,980'	T. Pictured Cliffs
T. 7 Rivers			T. Devonian	12,156'	T. Menefee
T. Queen	3682'		T. Ellenburger		T. Point Lookout
T. Grayburg			T. Gr. Wash		T. Mancos
T. San Andres	4292'		T. Granite		T. Dakota
T. Glorieta	5832'		T.		T. Morrison
T. Blinberry	6503'		T.		T. Penn.
T. Tubbs	7330'		T.		
T. Abo	7880'		T.		
T. Wolfcamp	9318'		T.		
T. Miss.	10,204'		T.		
Base Wolfcamp			T.		

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	480	480	Redbed & Caliche	11,959	12,008	49	Shale
480	1504	1024	Redbed	12,008	12,215	207	Lime, Shale & Sand
1504	1585	81	Anhy	All measurements from rotary table or 11' above ground level.			
1585	2926	1341	Anhy & Salt				
2926	4121	1195	Anhy				
4121	4193	72	Anhy & Lime				
4193	4305	112	Anhy & Dolomite				
4305	5235	930	Lime				
5235	5838	603	Lime & Sand				
5838	6152	314	Lime				
6152	7169	1017	Lime & Chert				
7169	7365	196	Lime				
7365	9012	1647	Lime & Shale				
9012	9086	74	Lime	Estimate 7847			
9086	9477	391	Lime & Sand	5 NMOCC			
9477	9656	179	Lime & Chert	1 - State Land Office			
9656	9996	340	Lime	1 - Well File			
9996	10,431	435	Lime & Shale	1 - Field			
10,431	10,590	159	Lime				
10,590	11,331	741	Lime & Shale				
11,331	11,828	497	Chert & Lime				
11,828	11,959	131	Shale & Lime				

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.

November 20, 1963 (Date)  
Company or Operator TEXACO Inc. Address P.O. Drawer 728, Hobbs, New Mexico  
Name Assistant District Supt. Position or Title

STATE OF NEW MEXICO "M" WELL NO. 5

Spudded 20" hole 5:30 P.M. June 13, 1963. Ran 1392' of 13-3/8" O.D. casing and 100' of 16" O.D. casing set at 1504'. Plug at 1472'. Cemented with 850 sx of Incor 4% and 300 sacks of Incor regular cement circulated. Tested casing before and after drilling plug for 30 minutes with 1000 psi. Tested OK. Job completed 11:00 A.M. June 19, 1963.

Ran 4776' of 9-5/8" od casing set at 4788' with 1500 sacks 8% C1 "C" gel plus 200 sacks C1 "C" cement. Plug at 4750'. Tested casing before and after drilling plug for 30 minutes with 1500 psi. Tested OK. Job completed June 30, 1963.

Ran Sonic Log, Induction-Electrical Log, and Microlog surveys August 23, 1963. Ran Gamma Ray Log September 27, 1963.

DST No. 1 - 12,160' to 12,215' - tool open one hour with weak blow of air diminished to few bubbles in 15 minutes and continued throughout test. Recovered 2000' water blanket and 270' sulphur water cut drilling mud.  
30-MISIP-4442#      30-MFSIP-3967#      IFP-1043#      FFP-1129#

HI and HO - 5808#      Job Complete 8:00 A.M.      August 13, 1963.

Spot Plug No. 1 - 40 sacks from 12,115 - 12,215'

Spot Plug No. 2 - 40 sacks from 10,265-10,365'

String No. 1: Ran 10,191' of 2-7/8" O.D. casing (6.4# J-55 New) and set at 10,202'.  
String No. 2: Ran 10,215' of 2-7/8" O.D. casing (6.4# J-55 New) and set at 10,226'.  
String No. 3: Ran 9462' of 2-7/8" O.D. casing (6.4# J-55 New) and set at 9473'.  
String bull plugged on bottom. Pumped cement down Strings 1 and 2. Cemented with 1750 sacks of Class "C" 4% Gel and 500 sacks of Class "C" with friction reducing agent. Pumped plugs down with 1000 gallons of acetic acid. Cement circulated. Tested casing before and after drilling plugs for 30 minutes with 1000 psi. Tested OK. Job completed 8:30 A.M. August 22, 1963. Ran Correlation - Orientation Log August 23, 1963.

String No. 1 (Wolfcamp) - Perforated 2-7/8" O.D. casing with 2 jet shots per foot from 9938' to 9960', acidized with 500 gallons of acetic acid. Squeezed perforations with 25 sacks Class "C" cement with HA-9. Acidized with 500 gallons of acetic acid, re-perforate with 2 jet shots per foot from 9938-9960'. Acidized with 500 gallons of regular acid. Re-acidized with 500 gallons LSTNE. Swabbed well. Ran Gamma Ray Log September 27, 1963. Then re-ran Gamma Ray Log to locate cement tracer material injected with cement into String No. 2. On 24 hour potential test ending 6:00 P.M. November 15, 1963, well swabbed 284 BO and 20 BW.

GOR	656
GRAV.	41.6°
Top of Pay	9938'
Bottom of Pay	9960'
NMOCC Date	August 16, 1963
TEXACO Inc. Date	November 15, 1963

String No. 2 (Abo) - Perforated 2-7/8" O.D. casing with 2 jet shots per foot from 9283' to 9310' and acidized with 500 gallons acetic acid. Reacidized with 500 gallons of acetic acid. Re-perforated from 9283' to 9310' with 2 jet shots per foot and acidized with 500 gallons of acetic acid. Swab well. Ran tracer survey and squeezed perforations from 9283' to 9310' with 75 sacks of regular cement with retarding agent. Acidized with 500 gallons acetic acid, re-acidized with 500 gallons acetic acid. Swabbed well. Ran C.I. cement retainer at 9263'. Squeezed casing perforations with 50 sacks of Class "C" cement with radioactive tracer in cement. Perforated with one jet shot per interval at 9068-69', 9122-23', 9156-57', 9181-82', 9194-95', 9200-01', 9213-14'. Acidized with 500 gallons 15% LSTNE acid. Swab well. Re-acidized with 1000 gallons LSTNE. Swabbed well. Ran Radio Active Tracer. Set cement retainer at 8960 and squeezed perforations with 100 sx regular cement with low water loss additive in 50 sacks. Squeezed second stage with 25 sx reg cement with retarding agent. Plugged back TD 9263'. Spot 500 gallons acetic acid - re-acidize with 500 gallons acetic acid. Acidize perforations from 9068 to 9214' with 500 gallons LSTNE acid and 1000 gallons retarded acid. Swabbed well. Re-acidized with 7000 gallons LSTNE acid in two stages. Swabbed well. Cement retainer set at 9000'. Squeezed perforations with 100 sx slo-set cement with light weight additive and spotted 500 gallons acetic acid. Shut in.

String No. 3 (Glorieta) - Perforated with 1 jet shot per interval at 6076', 6077', 6078, 6079', 6091', 6092', 6093', 6094'. Acidized with 2000 gallons 15% LSTNE acid in 2 1000 gallon stages with 2 ball sealers between stages. Swabbed well. Ran Tracer Survey October 23, 1963. Ran retrievable cement retainer, squeezed perforations first stage 100 sx C1 "C" cement with light weight additive in 50 sacks, second stage 100 sx Class "C" with retarding agent. Tested perforations with 2500# for 30 minutes. Spotted 500 gallons LSTNE. Re-acidize with 500 gallons LSTNE. Swabbed well. Vi-squeezed casing perforations with 100 sacks regular cement. Acidized with 500 gallons acetic acid and swabbed well. Vi-squeezed perforations with 50 sacks. Acidized with 500 gallons of acetic acid. Re-perforate with one jet shot per interval at 6076, 6077, 6078, 6079, 6091, 6092', 6093', 6094'. Acidized with 500 gallons acetic acid. Swabbed well. On 24 hour potential test ending 6:00 P.M. November 16, 1963, well swabbed 40 BO and 160 BW.

GOR	273
GRAV	38.4°
Top of Pay	6076'
Bottom of Pay	6094'
NMOCC Date	August 16, 1963
TEXACO Inc. Date	November 16, 1963