



NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

1963 JUL 1 11 08 53

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 "0" NCT-1
(Company or Operator) (Lease)

Well No. 14 in NW 1/4 of SE 1/4, of Sec. 36, T. 17-S, R. 34-E, NMPM.
Undesignated (Devonian) Undesignated
(Wolfcamp) Undesignated (Abo) Pool, Lea County.

Well is 2086 feet from East line and 1874 feet from South line
of Section 36. If State Land the Oil and Gas Lease No. is B-155-1

Drilling Commenced February 10, 1963 Drilling was Completed April 25, 1963

Name of Drilling Contractor Brahaney Drilling Company

Address P.O. Box 1695 - Midland, Texas

Elevation above sea level at Top of Tubing Head 4008' (DF) The information given is to be kept confidential until
September 15, 1963

OIL SANDS OR ZONES

See Attached Sheet

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

No. 2, from to No. 5, from to

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

IMPORTANT WATER SANDS

Drilled with rotary tools. No 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
13-3/8"	54.5	New	1570'	Howco	None	None	Surface
9-5/8"	36.0	New	4805'	Howco	None	None	Intermediate
3-1/2"	9.20	New	12,135'	Howco	None	See Attached	
2-7/8"	6.40	New	21,600'	Howco	None	See Attached	

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. BAGS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
20"	13-3/8"	1593'	1200	Halliburton		
12-1/4"	9-5/8"	4825'	1700	Halliburton		
8-3/4"	3-1/2"	12,152'	*	Halliburton		
8-3/4"	2-7/8"	10,799'	*	Halliburton		
8-3/4"	2-7/8"	10,801'	*	Halliburton		

Cement 3 strings with 1025 sacks

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 12,154'

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 12,154 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing June 16, 19 63
OIL WELL: The production during the first 24 hours was 438 barrels of liquid of which 100% was
was oil; % was emulsion; % water; and % was sediment. A.P.I.
Gravity 40.3
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	1477'		T. Devonian		T. Ojo Alamo
T. Salt	1600'		T. Silurian		T. Kirtland-Fruitland
B. Salt	2730'		T. Montoya		T. Farmington
T. Yates	2815'		T. Simpson		T. Pictured Cliffs
T. 7 Rivers			T. McKee		T. Menefee
T. Queen	3695'		T. Ellenburger		T. Point Lookout
T. Grayburg			T. Gr. Wash		T. Mancos
T. San Andres	4335'		T. Granite		T. Dakota
T. Glorieta	5820'		T.		T. Morrison
Blindry Marker	6500'		T. Lower Miss	11,298'	T. Penn
T. Drinkard			T. Woodford	11,927'	T.
T. Tubbs	7280'		T. Devonian	12,114'	T.
T. Abo	7886'		T.		T.
Wolfcamp	9284'		T.		T.
T. Penn	10,712'		T.		T.
Strawn	10,790'		T.		T.
T. Miss					
Atoka	10,879'				
Morrow	11,184'				

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	125	125	Caliche				
125	876	751	Redbed & Anhy				
876	1568	692	Anhy				
1568	2619	1051	Anhy & Salt				
2619	2766	147	Anhy				
2766	3323	557	Anhy & Salt				
3323	4306	983	Anhy & Gyp				
4306	4437	131	Lime & Anhy				
4437	5334	897	Lime				
5334	5379	45	Lime & Dolomite				
5379	6059	680	Lime & Sand				
6059	9582	3523	Lime				
9582	9614	32	Lime & Chert				
9614	9626	12	Lime				
9626	9776	150	Lime & Chert				
9776	10,069	293	Lime				
10,069	11,014	945	Lime & Shale				
11,014	11,027	13	Lime & Chert				
11,027	11,725	698	Shale, Lime & Chert				
11,725	12,154	429	Lime & Shale				
12,154			TD				
9,275			PBTD				

All measurements from the rotary table
or 16 feet above ground level.

1 - File

1 - Field

1 - State Land Office

5 - NMOCC

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.

July 23, 1963
Company or Operator TEXACO Inc. Address Drawer 728 - Hobbs, New Mexico
Name J.G.Blevins, Jr. Position or Title Assistant District Superintendent

STATE OF NEW MEXICO "O" NCT-1 NO. 14

Spudded 20" hole 1:30 A.M. 2-11-63.

Ran 1570' of 13-3/8" O.D. casing and cemented at 1593' with 850 sacks of Incor 4% Gel, and 350 sacks of Regular Neat. Cement circulated. Plug set at 1551'. Job complete 1:30 A.M. February 14, 1963. Tested 13-3/8" O.D. casing with 600 psi from 3:30 to 4:00 P.M., February 16, 1963. Tested OK. Drilled plug and retested with 600 psi from 5:00 to 5:30 P.M. Tested OK. Job complete 5:30 P.M. February 16, 1963.

Ran 4805' of 9-5/8" O.D. casing and cemented at 4825' with 1500 sacks of Incor 8% Gel and 200 sacks of Neat. Plug set at 4792'. Job complete 9:45 P.M. February 23, 1963. Tested 9-5/8" O.D. casing with 1500 psi for 45 minutes. Tested OK. Job complete 11:00 P.M. February 24, 1963.

Undesignated (Devonian) Zone: Ran 12,135' of 3-1/2" O.D. casing and cemented at 12,152'. Undesignated (Wolfcamp) Zone: Ran 10,799' of 2-7/8" O.D. casing and cemented at 10,816'. Undesignated (Abo) Zone: Ran 10,801' of 2-7/8" O.D. casing. Cement down 3-1/2" O.D. casing with 400 sacks of Incor with 3/4 of 1% CFR-2 followed with 200 gallons of Acetic Acid. Cement down each string of 2-7/8" casing with 250 sacks 4% Gel with 3/4 of 1% CFR-2 plus 375 sacks of Incor cement with 4% Gel followed with 300 gallons of Acetic Acid. Plug down. Top of cement 4650'. Job completed 4:15 P.M. April 30, 1963. Ran cementing log. Tested above strings of casing with 1000 psi for six hours from 3 to 9 P.M., May 1, 1963. Tested OK. Job complete 9 P.M. May 1, 1963.

Ran Electric Logs April 26, 1963.

Drill Stem Test No. 1 from 6288' to 6346', Mis-run.
Drill Stem Test No. 2 from 6286' to 6344', Mis-run.

String "Z" (Devonian) Ran 12,135' of 3-1/2" O.D. casing and cemented at 12,152'. Plug at 12,129'. Perforate 3-1/2" O.D. casing with 2 jet shots at 12,135'. Ran CI retainer and set at 12,129'. Spot acid on bottom at 12,129'. Acidize perforation at 12,135' and out shoe at 12,154'. Inject 166 gallons of 15% LSTNEA in 3 stages in 7-1/2 hours. Wash one barrel by after each stage. Perforate 3-1/2" O.D. casing with 2 jet shots per foot from 12,144-12,122'. Acidize perforations 12,114-12,122' with 300 gallons of Acetic Acid. Reacidize perforation at 12,114'-12,122' with 500 gallons of regular 15% Acid. Ran 1-1/2" tubing with perforation on bottom set at 12,122'. Spot 500 gallons of 15% acid on bottom. Unable to break formation. Pulled 1-1/2" tubing and re-perforated 3-1/2" O.D. casing from 12,114-12,122' with 2 jet shots per foot. Reacidize 12,114-12,122' with 500 gallons of 15% MCA. Squeeze perforations from 12,114-122' first stage with 50 sacks of Inferno cement. Well failed to squeeze. Cleared perforations with 5 barrels of water. Squeezed 2nd stage with 50 sacks of Inferno cement. Plug at 11,852'. Completed 7 P.M. June 27, 1963.

Set cement retainer at 11,929'. Squeezed perforations from 12,114-122' first stage with 50 sacks of Inferno cement. Well failed to squeeze. Cleared perforations with 5 barrels of water. Squeezed second stage with 50 sacks of Inferno cement. Plug at 11,852'. Completed 7 P.M. June 27, 1963. Perforate 3-1/2" O.D. casing with 2 jet shots per foot at 11,202-04', 11,213-15', 11,244-46', 11,250-52', 11,258-60', 11,268-70'. Acidize with 500 gallons of 15% LSTNEA. Ran Baker 3-1/2" cast iron bridge plug. Attempted to set at 11,795', pin sheared. Plug failed. Second plug set at 11,790'. Dumped 5 gallons of hydromite on top of plug. Shut in, held for Salt Water Disposal, July 22, 1963.

String "X" (Wolfcamp) Ran 10,799' of 2-7/8" O.D. casing and cemented at 10,816'. Plug at 10,816'. Perforate 2-7/8" O.D. casing with 1 jet shot per foot from 9954-60', 9966-70', 9985-90', 10,030-36'. Drill out cement in 2-7/8" casing from 10,015-10,031'. Clean out to P.B.T.D. 10,462. Spot 500 gallons acetic acid over casing perforations from 9554-10,036'.

On 24 hour potential test ending 6 A.M. June 22, 1963, well flowed 438 BO + no water through 18/64" choke.

Gravity	40.3
GOR	612
Top Of Pay	9954
Bottom of Pay	10,036
TEXACO Inc. Date	6-22-63
NMOCC Date	4-25-63

String "Y" (Abo) Ran 10,801' of 2-7/8" O.D. casing and cemented at 10,818'. Plugback 10,784'. Perforate 2-7/8" O.D. casing with 1 jet shot per foot from 9170-72', 9178-80', 9191-93', 9204-06', 9227-29', 9234-36', 9252-54'. Acidize perforations with 1000 gallons of 15% LSTNEA.

On 24 hour potential test ending 9:20 P.M. 7-20-63, well flowed 238 barrels of oil + no water through 21/64" choke.

Gravity	38.0
GOR	937
Top of Pay	9170
Bottom of Pay	9254
TEXACO Inc. Date	7-20-63
NMOCC Date	4-25-63

August 28, 1963

APPLICATION FOR MULTIPLE COMPLETION
TEXACO Inc. State of New Mexico "O"
(NCT-1) Well No. 14, Vacuum North
Abo and Vacuum Wolfcamp Pools
Lea County, New Mexico

New Mexico Oil Conservation Commission
P. O. Box 271
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

Attached are zone segregation tests, bottom hole pressure tests, diagrammatic sketch of completion installation and acoustilog for the subject well reflecting dual completion status of the well in the Vacuum North Abo and Vacuum Wolfcamp Pools.

The well was originally planned as a triple completion (combination tubingless and conventional) in the Devonian, Wolfcamp and Abo, with 4-1/2" casing and 2-3/8" tubing to the Devonian and parallel strings of 2-7/8" casing to the Abo and Wolfcamp. Administrative Order No. MC-1292 dated April 15, 1963 was issued approving the installation. Subsequently a letter dated April 19, 1963 was submitted to the Commission requesting approval to substitute 3-1/2" casing and 1-1/2" tubing for the Devonian completion in lieu of the aforementioned 4-1/2" casing and 1-1/2" tubing.

The Devonian formation was encountered low on structure and proved non-productive. The Devonian was plugged off and an attempt at completing the Morrow zone was made in the 3-1/2" casing. This zone was proven non-productive and the 3-1/2" casing - 1-1/2" tubing string was shut in, held for possible recompletion in the Blinberry at a later date if results of development in the area indicates it to be advisable.

It is respectfully requested that approval of the dual completion be granted in accord with the facts outlined above. It is understood that since Devonian completions in the Vacuum are the only zones in which the Commission has approved 3-1/2" casing - 1-1/2" tubing strings, if the subject

