



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico



Mail to District Office, Oil Conservation Commission, to which Form C-103 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPPLICATE. If State Land submit 6 Copies

TEXACO Inc.

State of New Mexico "0" NCT-1

(Company or Operator)

(Lease)

Well No. 20, in SW 1/4 of NW 1/4, of Sec. 36, T. 17S, R. 34E, NMPM.

Undesignated (Glorieta) Undesignated Pool, Lea County.
(Blinbry)

Well is 1980 feet from north line and 467 feet from west line

of Section 36. If State Land the Oil and Gas Lease No. is B-155-1

Drilling Commenced July 11, 1963. Drilling was Completed August 7, 1963.

Name of Drilling Contractor Cactus Drilling Company

Address P. O. Box 32, Midland, Texas

Elevation above sea level at Top of Tubing Head 4016 (DF). The information given is to be kept confidential until October 15, 1963.

See Attached

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: IMPORTANT WATER SANDS 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 SIZE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
11-3/4	42.	New	1538	Baker	None	None	Surface
2-7/8	6.4	New	6771	Baker	None	See Attached	
2-7/8	6.4	New	6813	Baker	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
15"	11-3/4	1548	1000	B & J Service		
11"	2-7/8	6784	*	B & J Service		
7-5/8"	2-7/8	6813	*	B & J Service		

RECORD OF PRODUCTION AND STIMULATION Cement 2 strings with 1800 sx.

(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 6825
PB 6755

LOG OF DRILLING 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 6825 feet, and from _____ feet to _____ feet.
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

PRODUCTION

Put to Producing August 26, 19 63

OIL WELL: The production during the first 24 hours was 402 barrels of liquid of which 60% was oil; _____% was emulsion; 40% water; and _____% was sediment. A.P.I. Gravity 37.2

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..... 1505	T. Devonian.....	T. Ojo Alamo.....	
T. Salt..... 1660	T. Silurian.....	T. Kirtland-Fruitland.....	
B. Salt..... 2682	T. Montoya.....	T. Farmington.....	
T. Yates..... 2325	T. Simpson.....	T. Pictured Cliffs.....	
T. 7 Rivers.....	T. McKee.....	T. Menefee.....	
T. Queen..... 3697	T. Ellenburger.....	T. Point Lookout.....	
T. Grayburg.....	T. Gr. Wash.....	T. Mancos.....	
T. San Andres..... 4354	T. Granite.....	T. Dakota.....	
T. Glorieta..... 5820	T.	T. Morrison.....	
Blineby Marker 6490	T.	T. Penn.....	
T. Drinkard.....	T.	T.	
T. Tubbs.....	T.	T.	
T. Abo.....	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	575	575	Redbed & Caliche				
575	1185	610	Redbed & Anhy				
1185	1355	170	Anhy & Gyp				
1355	1633	278	Anhy & Salt				
1633	2105	472	Salt				
2105	2952	847	Anhy, Salt & Gyp				
2952	3250	298	Anhy & Gyp				
3250	3300	50	Anhy				
3300	3770	470	Anhy, Lime				
3770	4823	1053	Lime				
4823	5306	483	Lime & Sand				
5306	6092	786	Lime & Chert				
6092	6409	317	Lime & Shale				
6409	6825	416	Lime				
6825	TD						
6755	PBTD						
Estimate 6236							
6 - NMOCC							
1 - State							
1 - Field							
1 - Well 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.

September 12, 1963

(Date)

Company or Operator TEXACO Inc.

Address P.O. Drawer 728, Hobbs, New Mexico

Name *J.G. Blevins, Jr.* J.G. Blevins, Jr.

Position or Title Assistant District Superintendent

STATE OF NEW MEXICO "C" NCT-1 WELL NO. 20

Spudded 15" hole 10:45 P.M. July 11, 1963.

Ran 1538' of 11-3/4" O.D. casing (42.0 lb. - New) and set at 1548' and cemented with 800 sacks of 4% Class "C" plus 200 sacks of regular neat. Job complete 4:30 A.M. July 14, 1963. Tested 11-3/4" O.D. casing before and after drilling plug with 600 psi for 30 minutes. Tested OK.

String No. 1: Ran 6771' of 2-7/8" O.D. casing (6.4-J-55) and set at 6784'. Plug at 6749'. String No. 2: Ran 6813' of 2-7/8" O.D. casing (6.4-J-55) and set at 6825'. Plug at 6791'. Cement both strings simultaneously with 1800 sacks of Class "C" 4% Gel with first 500 sacks with friction reducing agent, followed with 500 gallons of acetic acid in each string. Ran temperature survey. Top of cement 2365'. Job complete 6 A.M. August 11, 1963. Tested both strings, Nos. 1 and 2 for 30 minutes with 1000 psi before and after drilling plug. Tested OK. Job complete 10:00 A.M. 8-12-63.

Drill Stem Test No. 1: Ran test from 5634-5707'. Tool open one hour with good blow. Recovered 90' of sulphur water with slight show of oil.

Core No. 1 - from 6250-6330'. Recovered 79' (98.7%) of sandy lime and shale with scattered shows. Core No. 2: - from 6330-76', recovered 46' of dolomite with slight show from 6353-60'. Core No. 3 - from 6377-6441'. Recovered 65' (100%) lime, anhy, and dolomite with slight show from 6386-6421' and slight show from 6424-36'. Reamed core hole from 6250-6446'. Core No. 4 - from 6442-6518'. Recovered 76' (100%) lime with scattered shows from 6469-6518'. Core No. 5 - from 6518-95'. Recovered 77' of 100% dolomite bleeding oil & water from 6540-53'. Core No. 6 - from 6595-6672'. Recovered 77' of 100% lime with scattered shows from 6517-6655'. Core No. 7 - from 6672-6749'. Recovered 76' (98.7%) brown dolomite with oil and gas bleed from 6675-6743'. Drill Stem Test No. 2 - from 6639-6749' (110'). Tool open one hour with good blow and continued throughout test. No gas or fluid to surface. Core No. 8 - from 6749-6825'. Recovered 75.5' (99.3%) dense dolomite with shows from 6772-6818'.

Ran Gamma Ray Logs August 10, 1963.

String Y (No. 2) - (Glorieta) Zone: Ran 6771' of 2-7/8" O.D. casing (6.4 lb - J-55) and set at 6784'. Plug at 6749'. Perforate casing with 2 jet shots per foot from 5960-70'. Acidize with 500 gallons of acetic acid. Reacidize with 1000 gallons of LSTNE from 5965-70'. Visqueeze perforations from 5960-70' with 50 sacks of Class "C" flushed with 37 barrels. Visqueeze casing perforations from 5960-70' with 100 sacks of cement. Ran temperature survey. Top of cement 5970'. Acidize perforations from 5960'-70' with 500 gallons of LSTNE. On 24 hour potential test ending 4 P.M. 9-2-63 well flowed 246 barrels oil and 156 barrels water through 32/64" choke:

Gravity	37.2
GOR	567
Top of Pay	5960
Bottom of Pay	5970
NMOCC Date	8-7-63
TEXACO Inc. Date	9-2-63

String Z (No. 1) -(Blaine) Zone: Ran 6813' of 2-7/8" O.D. casing (6.4 lb - J-55) and set at 6825'. Plug at 6791'. Perforate casing with 1 jet shot per interval at 6618', 6640', 6652', 6664', 6704', 6716', 6728'. Acidize with 500 gallons of acetic acid. Reacidize with 3500 gallons of LSTNE from 6618-6728' in 7 stages with 2 ball sealers between stages. Frac perforations from 6618-6728' with 10,000 gallons of gelled lease crude with 1 lb. of sand per gallon. On 24 hour potential test well pumped 55 barrels oil and 6 barrels water.

Gravity	36
GOR	350
Top of Pay	6618
Bottom of Pay	6728
NMOCC Date	8-7-63
TEXACO Inc. Date	9-11-63