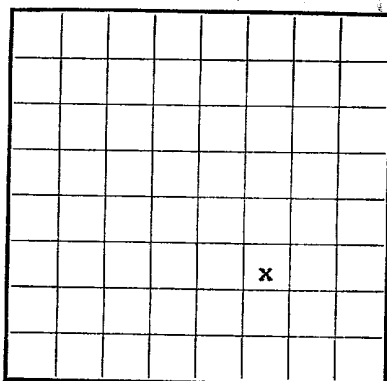


RECEIVED

JUL 31 1963

U. S. LAND OFFICE  
SERIAL NUMBER NM033775  
LEASE OR PERMIT TO PROSPECTO. C. C.  
ARTEBIA, OFFICE UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

## LOG OF OIL OR GAS WELL

Company TEXACO Inc. Address Drawer 728, Hobbs, New Mexico  
Lessor or Tract Leo R. Manning Fed "b" NCT-1 Field North Benson  
Queen Grayburg State New Mexico  
Well No. 5 Sec. 28 T. 18SR.30E Meridian NMPM County Eddy  
Location 1650 ft. N. of S. Line and 1651 ft. W. of E. Line of Sec. 28 Elevation 3499 (DF)  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon  
so far as can be determined from all available records.

Signed

Date July 30, 1963Title Assistant District Supt.

The summary on this page is for the condition of the well at above date.

Commenced drilling July 12, 1963 Finished drilling July 23, 1963

See Attached

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

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.

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
7"	54.9	8	New	539'	Baker	None	None	None	Surface
4-1/2"	33.71	8	New	3361'	Baker	See Attached	See Attached	See Attached	See Attached

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7"	549	650	B&J Service		
4-1/2"	3371	350	B&J Service		

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

## TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_ July 30 \_\_\_\_\_, 1963 Put to producing \_\_\_\_\_ July 23 \_\_\_\_\_, 1963

The production for the first 24 hours was 368 barrels of fluid of which 100 % was oil; \_\_\_\_\_ %  
emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. 34.1

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

\_\_\_\_\_ M. F. Young \_\_\_\_\_, Driller \_\_\_\_\_ J. J. Richards \_\_\_\_\_, Driller  
\_\_\_\_\_ T. E. Bingham \_\_\_\_\_, Driller \_\_\_\_\_ \_\_\_\_\_, Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	80	80	Surface rock & sand
80	250	170	Redbed & salt
250	478	228	Redbed
478	549	71	Anhy & salt
549	1892	1343	Anhy & gyp
1892	2028	136	Anhy
2028	2666	638	Anhy & lime
2666	3371	705	Lime
TD	3371		
PBTD	3367		

All measurements from rotary table  
or 8' above ground level.

The information given hereon is a complete and correct record of the well and work done thereon to the date of completion of the well. It is to be used for the purpose of determining the location of the well and the nature of the work done thereon.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

SEE ATTACHED CAMPING RECORD

NO. 1 from \_\_\_\_\_ to \_\_\_\_\_  
NO. 2 from \_\_\_\_\_ to \_\_\_\_\_  
NO. 3 from \_\_\_\_\_ to \_\_\_\_\_  
NO. 4 from \_\_\_\_\_ to \_\_\_\_\_  
NO. 5 from \_\_\_\_\_ to \_\_\_\_\_  
NO. 6 from \_\_\_\_\_ to \_\_\_\_\_  
NO. 7 from \_\_\_\_\_ to \_\_\_\_\_  
NO. 8 from \_\_\_\_\_ to \_\_\_\_\_  
NO. 9 from \_\_\_\_\_ to \_\_\_\_\_  
NO. 10 from \_\_\_\_\_ to \_\_\_\_\_

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL			
MUDLOGGING AND CEMENTING RECORD			
PLUGS AND ADAPTORS			
SHOOTING RECORD			
TOOLS USED			
TESTS			
FORMATION RECORD			
Tops Of Formations			
FORMATION			
TOTAL FEET			
TO—			
FROM—			

LEO R. MANNING FEDERAL "b" NCT-1 No. 5

Spudded 9-7/8" hole 6:00 A.M. July 12, 1963.

Ran 539' of 7" OD Casing and set at 549'. Cemented with 350 sacks of Class "C" 4% Gel plus 300 sacks of regular neat. Cement circulated. Job complete 4:45 A.M. July 15, 1963. Plug at 509'. Tested 7" OD Casing for 30 minutes with 600 psi before and after drilling plug. Tested O.K. Job complete 7:00 A.M. July 16, 1963.

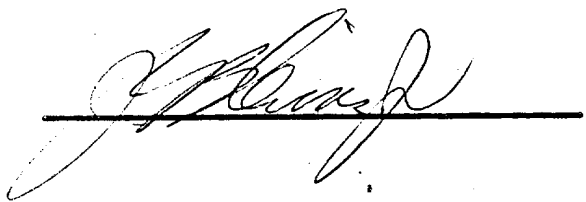
Ran 3361' of 4-1/2" OD Casing and set at 3371'. Cemented with 350 sacks of Class "C" plus 10% salt. Plug at 3367'. Job complete 7:30 P.M. July 23, 1963. Tested 4-1/2" OD Casing for 30 minutes with 1000 psi before and after drilling plug. Tested O.K. Job complete 10:00 P.M. July 24, 1963.

Ran Electric Logs July 22, 1963.

Perforate 4-1/2" OD Casing with 1 jet shot per interval from 2782', 2789', 3008', 3112', 3300', 3320', 3336'. Spot 500 gallons of 15% acid and set packer at 2674'. Acidize with 1900 gallons in seven stages with 1 ball sealer between stages, followed with 30,000 gallons of refined oil, with 1.5 lbs. of sand per gallon. On 24 hour potential test ending 7:00 A.M. July 28, 1963. Well flowed 368 bbls. of oil and no water through 24/64" choke.

Gravity	34.1
GOR	361
Top of Pay	2782
Bottom Pay	3336
TEXACO Inc.	7-28-63
NMOCC Date	7-23-63

I J. G. Blevins Jr. being of lawful age and being the  
Assistant District Superintendent for Texaco Inc., do state that the  
deviation record which appears on this form is true and correct to the best of my  
knowledge.



Subscribed and sworn to before me this 30th day of July 1963.

My Commission Expires October 20, 1966  
for Lea County, State of New Mexico  
R. E. Johnson  
Notary Republic 

Lease Leo R. Manning Federal "b" NCT-1 Well No. 5

Deviation Record

<u>Depth</u>	<u>Degrees Off</u>
500	3/4
941	1-1/4
1409	2
1900	3/4
2400	3/4
2900	1-1/4
3345	1-1/4
3371 TD	1-1/4