

For . . . approved.  
Budget Bureau No. 42-R355.4.

U. S. LAND OFFICE New Mexico  
SERIAL NUMBER NM-033775  
LEASE OR PERMIT TO PROSPECT

UNITED STATES 1963 JAN 24 PM 2  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

## LOCATE WELL CORRECTLY

Company TEXACO Inc. Address P.O. Box 728, Hobbs, New Mexico  
 Lessor or Tract L. R. Manning Fed. "b" NCT-1 Field North Benson Queen State New Mexico  
 Well No. 2 Sec. 27 T18-SR30-E Meridian NMPM County Grayburg Eddy  
 Location 660 ft. N. of S Line and 560 ft. E. of W Line of Sec. 27 Elevation 3445'  
 (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.

Date January 21, 1963

Title Assistant District Superintendent

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

Commenced drilling October 26, 1963 Finished drilling January 9, 1963

## OIL OR GAS SANDS OR ZONES

(Denote gas by  $\odot$ )

No. 1, from See attached to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to JAN 2 1 1953  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from 335' to 345'      No. 3, from 2788' to 2805'

No. 2, from 1782' to 1801'      No. 4, from \_\_\_\_\_ to \_\_\_\_\_

### CASING RECORD

[illegible]

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	522'	450	Howco		
7"	2740'	-	Aquagel	-	50 sx
4-1/2"	3299'	600	Howco		

## PLUGS AND ADAPTERS

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

Adapters—Material	Size
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## 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 0 feet to 3300' feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

DATES	
January 21, 1963	Put to producing January 17, 1963

The production for the first 24 hours was 432 barrels of fluid of which 100% was oil; -% emulsion; -% water; and -% sediment. Gravity, °Bé. 32.2

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

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

## EMPLOYEES

D. M. Walters, Driller J. M. Bradford, Driller

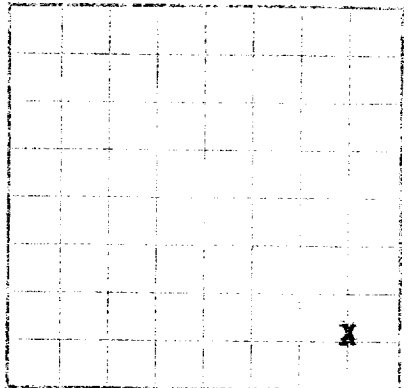
K. M. Bereutz \_\_\_\_\_ Driller

## FORMATION RECORD

FROM--	TO--	TOTAL FEET	FORMATION
0	30'	30'	Caliche
30'	60'	30'	Redbed
60'	250'	190'	Redbed and shale
250'	355'	105'	Sand and shale
355'	671'	316'	Sand
671'	1435'	764'	Anhy & Sand
1435'	2315'	880'	Lime and Anhy
2315'	2395'	80'	Lime
2395'	2440'	45'	Lime and Anhy
2440'	2515'	75'	Lime
2515'	2625'	110'	Lime and Anhy
2625'	3300'	675'	Lime
TD	3300'		
PBTD	3297'		
5-USGS			
1-NMOCC			
1-File			
1-Field			
1-Division			

LOG OF OIL OR GAS WELL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

NOTE: This well was drilled with  
cable tool rig.

New Mexico  
NM-03373  
Bureau of Land Management  
Bureau of Reclamation

Company: **Waco Inc.**  
Address: **P.O. Box 120, Hobbs, New Mexico**  
Owner: **H. R. Manning**  
Well No.: **27-118-3830-2**  
Location: **Section 27, T11N, R38E, S38E, Hobbs, New Mexico**  
The information given herewith is a copy of the original record of the well and all other information  
is not to be taken from any other source.  
Signed: **Assistant District Engineer**  
Date: **January 21, 1963**

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

OIL OR GAS SANDS OR BONDS

No. 1 from **3331** to **3431**  
No. 2 from **1931** to **1931**  
No. 3 from **3331** to **3431**  
No. 4 from **3331** to **3431**  
No. 5 from **3331** to **3431**  
No. 6 from **3331** to **3431**  
No. 7 from **3331** to **3431**  
No. 8 from **3331** to **3431**  
No. 9 from **3331** to **3431**  
No. 10 from **3331** to **3431**

SEE ATTACHED SHEET

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of recording, together  
with the reasons for the work and the results. If there were any changes made in the casing, state fully and if any casing was  
grouted, state the date, size, position, and number. If the well has been abandoned, state date, position, and number.  
If plugs or bridges were put in the well, state the date, position, and number. If any material was used, state the date, position, and number.  
If any other work was done, state the date, position, and number.

HISTORY OF OIL OR GAS WELL

FROM-	TO-	TOTAL FEET	FORMATION
0	30'	30'	Caliche
30'	30'	60'	Redbed
60'	100'	160'	Redbed and shale
100'	100'	200'	Sand and shale
200'	300'	500'	Sand
300'	350'	650'	Gray & Sand
350'	400'	750'	Sand and gray
400'	450'	850'	Sand
450'	500'	950'	Sand and gray
500'	550'	1050'	Sand
550'	600'	1150'	Sand and gray
600'	650'	1250'	Sand
650'	700'	1350'	Sand and gray
700'	750'	1450'	Sand
750'	800'	1550'	Sand and gray
800'	850'	1650'	Sand
850'	900'	1750'	Sand and gray
900'	950'	1850'	Sand
950'	1000'	1950'	Sand and gray
1000'	1050'	2050'	Sand
1050'	1100'	2150'	Sand and gray
1100'	1150'	2250'	Sand
1150'	1200'	2350'	Sand and gray
1200'	1250'	2450'	Sand
1250'	1300'	2550'	Sand and gray
1300'	1350'	2650'	Sand
1350'	1400'	2750'	Sand and gray
1400'	1450'	2850'	Sand
1450'	1500'	2950'	Sand and gray
1500'	1550'	3050'	Sand
1550'	1600'	3150'	Sand and gray
1600'	1650'	3250'	Sand
1650'	1700'	3350'	Sand and gray
1700'	1750'	3450'	Sand
1750'	1800'	3550'	Sand and gray
1800'	1850'	3650'	Sand
1850'	1900'	3750'	Sand and gray
1900'	1950'	3850'	Sand
1950'	2000'	3950'	Sand and gray
2000'	2050'	4050'	Sand
2050'	2100'	4150'	Sand and gray
2100'	2150'	4250'	Sand
2150'	2200'	4350'	Sand and gray
2200'	2250'	4450'	Sand
2250'	2300'	4550'	Sand and gray
2300'	2350'	4650'	Sand
2350'	2400'	4750'	Sand and gray
2400'	2450'	4850'	Sand
2450'	2500'	4950'	Sand and gray
2500'	2550'	5050'	Sand
2550'	2600'	5150'	Sand and gray
2600'	2650'	5250'	Sand
2650'	2700'	5350'	Sand and gray
2700'	2750'	5450'	Sand
2750'	2800'	5550'	Sand and gray
2800'	2850'	5650'	Sand
2850'	2900'	5750'	Sand and gray
2900'	2950'	5850'	Sand
2950'	3000'	5950'	Sand and gray
3000'	3050'	6050'	Sand
3050'	3100'	6150'	Sand and gray
3100'	3150'	6250'	Sand
3150'	3200'	6350'	Sand and gray
3200'	3250'	6450'	Sand
3250'	3300'	6550'	Sand and gray
3300'	3350'	6650'	Sand
3350'	3400'	6750'	Sand and gray
3400'	3450'	6850'	Sand
3450'	3500'	6950'	Sand and gray
3500'	3550'	7050'	Sand
3550'	3600'	7150'	Sand and gray
3600'	3650'	7250'	Sand
3650'	3700'	7350'	Sand and gray
3700'	3750'	7450'	Sand
3750'	3800'	7550'	Sand and gray
3800'	3850'	7650'	Sand
3850'	3900'	7750'	Sand and gray
3900'	3950'	7850'	Sand
3950'	4000'	7950'	Sand and gray
4000'	4050'	8050'	Sand
4050'	4100'	8150'	Sand and gray
4100'	4150'	8250'	Sand
4150'	4200'	8350'	Sand and gray
4200'	4250'	8450'	Sand
4250'	4300'	8550'	Sand and gray
4300'	4350'	8650'	Sand
4350'	4400'	8750'	Sand and gray
4400'	4450'	8850'	Sand
4450'	4500'	8950'	Sand and gray
4500'	4550'	9050'	Sand
4550'	4600'	9150'	Sand and gray
4600'	4650'	9250'	Sand
4650'	4700'	9350'	Sand and gray
4700'	4750'	9450'	Sand
4750'	4800'	9550'	Sand and gray
4800'	4850'	9650'	Sand
4850'	4900'	9750'	Sand and gray
4900'	4950'	9850'	Sand
4950'	5000'	9950'	Sand and gray
5000'	5050'	10050'	Sand
5050'	5100'	10150'	Sand and gray
5100'	5150'	10250'	Sand
5150'	5200'	10350'	Sand and gray
5200'	5250'	10450'	Sand
5250'	5300'	10550'	Sand and gray
5300'	5350'	10650'	Sand
5350'	5400'	10750'	Sand and gray
5400'	5450'	10850'	Sand
5450'	5500'	10950'	Sand and gray
5500'	5550'	11050'	Sand
5550'	5600'	11150'	Sand and gray
5600'	5650'	11250'	Sand
5650'	5700'	11350'	Sand and gray
5700'	5750'	11450'	Sand
5750'	5800'	11550'	Sand and gray
5800'	5850'	11650'	Sand
5850'	5900'	11750'	Sand and gray
5900'	5950'	11850'	Sand
5950'	6000'	11950'	Sand and gray
6000'	6050'	12050'	Sand
6050'	6100'	12150'	Sand and gray
6100'	6150'	12250'	Sand
6150'	6200'	12350'	Sand and gray
6200'	6250'	12450'	Sand
6250'	6300'	12550'	Sand and gray
6300'	6350'	12650'	Sand
6350'	6400'	12750'	Sand and gray
6400'	6450'	12850'	Sand
6450'	6500'	12950'	Sand and gray
6500'	6550'	13050'	Sand
6550'	6600'	13150'	Sand and gray
6600'	6650'	13250'	Sand
6650'	6700'	13350'	Sand and gray
6700'	6750'	13450'	Sand
6750'	6800'	13550'	Sand and gray
6800'	6850'	13650'	Sand
6850'	6900'	13750'	Sand and gray
6900'	6950'	13850'	Sand
6950'	7000'	13950'	Sand and gray
7000'	7050'	14050'	Sand
7050'	7100'	14150'	Sand and gray
7100'	7150'	14250'	Sand
7150'	7200'	14350'	Sand and gray
7200'	7250'	14450'	Sand
7250'	7300'	14550'	Sand and gray
7300'	7350'	14650'	Sand
7350'	7400'	14750'	Sand and gray
7400'	7450'	14850'	Sand
7450'	7500'	14950'	Sand and gray
7500'	7550'	15050'	Sand
7550'	7600'	15150'	Sand and gray
7600'	7650'	15250'	Sand
7650'	7700'	15350'	Sand and gray
7700'	7750'	15450'	Sand
7750'	7800'	15550'	Sand and gray
7800'	7850'	15650'	Sand
7850'	7900'	15750'	Sand and gray
7900'	7950'	15850'	Sand
7950'	8000'	15950'	Sand and gray
8000'	8050'	16050'	Sand
8050'	8100'	16150'	Sand and gray
8100'	8150'	16250'	Sand
8150'	8200'	16350'	Sand and gray
8200'	8250'	16450'	Sand
8250'	8300'	16550'	Sand and gray
8300'	8350'	16650'	Sand
8350'	8400'	16750'	Sand and gray
8400'	8450'	16850'	Sand
8450'	8500'	16950'	Sand and gray
8500'	8550'	17050'	Sand
8550'	8600'	17150'	Sand and gray
8600'	8650'	17250'	Sand
8650'	8700'	17350'	Sand and gray
8700'	8750'	17450'	Sand
8750'	8800'	17550'	Sand and gray
8800'	8850'	17650'	Sand
8850'	8900'	17750'	Sand and gray
8900'	8950'	17850'	Sand
8950'	9000'	17950'	Sand and gray
9000'	9050'	18050'	Sand
9050'	9100'	18150'	Sand and gray
9100'	9150'	18250'	Sand
9150'	9200'	18350'	Sand and gray
9200'	9250'	18450'	Sand
9250'	9300'	18550'	Sand and gray
9300'	9350'	18650'	Sand
9350'	9400'	18750'	Sand and gray
9400'	9450'	18850'	Sand
9450'	9500'	18950'	Sand and gray
9500'	9550'	19050'	Sand
9550'	9600'	19150'	Sand and gray
9600'	9650'	19250'	Sand
9650'	9700'	19350'	Sand and gray
9700'	9750'	19450'	Sand
9750'	9800'	19550'	Sand and gray
9800'	9850'	19650'	Sand
9850'	9900'	19750'	Sand and gray
9900'	9950'	19850'	Sand
9950'	10000'	19950'	Sand and gray
10000'	10050'	20050'	Sand
10050'	10100'	20150'	Sand and gray
10100'	10150'	20250'	Sand
10150'	10200'	20350'	Sand and gray
10200'	10250'	20450'	Sand
10250'	10300'	20550'	Sand and gray
10300'	10350'	20650'	Sand
10350'	10400'	20750'	Sand and gray
10400'	10450'	20850'	Sand
10450'	10500'	20950'	Sand and gray
10500'	10550'	21050'	Sand
10550'	10600'	21150'	Sand and gray
10600'	10650'	21250'	Sand
10650'	10700'	21350'	Sand and gray
10700'	10750'	21450'	Sand
10750'	10800'	21550'	Sand and gray
10800'	10850'	21650'	Sand
10850'	10900'	21750'	Sand and gray
10900'	10950'	21850'	Sand
10950'	11000'	21950'	Sand and gray
11000'	11050'	22050'	Sand
11050'	11100'	22150'	Sand and gray
11100'	11150'	22250'	Sand
11150'	11200'	22350'	Sand and gray
11200'	11250'	22450'	Sand
11250'	11300'	22550'	Sand and gray
11300'	11350'	22650'	Sand
11350'	11400'	22750'	Sand and gray
11400'	11450'	22850'	Sand
11450'	11500'	22950'	Sand and gray
11500'	11550'	23050'	Sand
11550'	11600'	23150'	Sand and gray
11600'	11650'	23250'	Sand
11650'	11700'	23350'	Sand and gray
11700'	11750'	23450'	Sand
11750'	11800'	23550'	Sand and gray
11800'	11850'	23650'	Sand
11850'	11900'	23750'	Sand and gray
11900'	11950'	23850'	Sand
11950'	12000'	23950'	Sand and gray
12000'	12050'	24050'	Sand
12050'	12100'	24150'	Sand and gray
12100'	12150'	24250'	Sand
12150'	12200'	24350'	Sand and gray
12200'	12250'	24450'	Sand
12250'	12300'	24550'	Sand and gray
12300'	12350'	24650'	Sand
12350'	12400'	24750'	Sand and gray
12400'	12450'	24850'	Sand
12450'	12500'	24950'	Sand and gray
12500'	12550'	25050'	Sand
12550'	12600'	25150'	Sand and gray
12600'	12650'	25250'	Sand
12650'	12700'	25350'	Sand and gray
12700'	12750'	25450'	Sand
12750'	12800'	25550'	Sand and gray
12800'	12850'	25650'	Sand
12850'	12900'	25750'	Sand and gray
12900'	12950'	25850'	Sand
12950'	13000'	25950'	Sand and gray
13000'	13050'	26050'	Sand
13050'	13100'	26150'	Sand and gray
13100'	13150'	26250'	Sand
13150'	13200'	26350'	Sand and gray
13200'	13250'	26450'	Sand
13250'	13300'	26550'	Sand and gray
13300'	13350'	26650'	Sand
13350'	13400'	26750'	Sand and gray
13400'	13450'	26850'	Sand
13450'	13500'	26950'	Sand and gray
13500'	13550'	27050'	Sand
13550'	13600'	27150'	Sand and gray
13600'	13650'	27250'	Sand
13650'	13700'	27350'	Sand and gray
13700'	13750'	27450'	Sand
13750'	13800'	27550'	Sand and gray
13800'	13850'	27650'	Sand
13850'	13900'	27750'	Sand and gray
13900'	13950'	27850'	Sand
13950'	14000'	27950'	Sand and gray
14000'	14050'	28050'	Sand
14050'	14100'	28150'	Sand and gray
14100'	14150'	28250'	Sand
14150'	14200'	28350'	Sand and gray
14200'	14250'	28450'	Sand
14250'	14300'	28550'	Sand and gray
14300'	14350'	28650'	Sand

Spudded 11-1/4" hole 3:00 A. M., October 26, 1962. Ran 519' of 9-5/8" O.D. Casing (19.37 lb. - Spiral Weld) and cemented at 522'. Cemented 9-5/8" O.D. Casing with 400 sx 4% gel and 50 sx regular. Cement circulated. Plug at 502'. Job complete 9:00 P. M. November 2, 1962. Bailed casing dry. Tested plug 9:00 to 9:30 P. M. November 3, 1962. No fluid entry, drilled out plug. Bailed hole dry. Tested 6:00 to 6:30 P. M. November 4, 1962. No fluid entry. Tested OK. Job complete 6:30 P. M., November 4, 1962.

Ran logs November 14, 1962.

Core No. 1. From 2740' to 2788' (Rec 41') Slight show of oil. 2760' to 2764', 2765' to 2770', 2770' to 2781'. Bailed hole dry.

Core No. 2 - From 2950' to 3000'. (Rec 100%) Slight show of oil. Bailed hole dry.

Ran 2738' of 7" O. D. Casing (23.0 lb. J-55) and set at 2740'. Mud up behind pipe with 50 sx Aquagel. Bailed hole dry.

Ran 3298' of 4-1/2" O. D. Casing (9.5 lb. J-55) and set at 3299'. Plug at 3297'. Pulled 2738' of 7" casing (all of 7"). Cemented 4-1/2" casing with 500 sx Class "A" cement. Used 10% salt by weight of mix water. Job complete 11:30 P. M., January 10, 1963.

Ran Gamma Ray Neutron Logs January 12, 1963.

Perforate 4-1/2" O. D. Casing with 1 shot per foot at 2771'; 2775', 2780', 2975', 2985', 3280', 3294'. Acidize with 500 gal 15% LSTNEA. Used 10 ball sealers. Reacidize with 1000 gals LSTNEA and 20,000 gals ref. oil with 1.5 lb. sand per gallon. Rate 22.5 BPM.

On 4 hour Potential Test ending 12:40 P. M., January 18, 1963, well flowed 72 BO and 0 water through 24/64" choke.

GOR - 276

Gravity - 32.2

Top of Pay - 2771'

Bottom of Pay - 3294'

USGS Date - January 9, 1963

TEXACO Inc. Date - January 18, 1963

RECEIVED

JAN 25 1963

ARTESIAN OFFICE