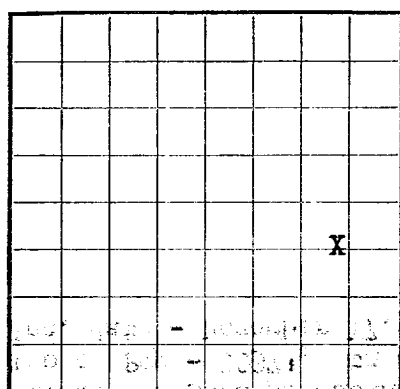


Form 9-330

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 032545 (a)
LEASE OR PERMIT TO PROSPECT _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company TEXACO Inc. Address P.O. Box 352, Midland, Texas
Lessor or Tract E. E. Blingbry (a) Field Jalnat (Gas) State New Mexico
Well No. 2 Sec. 31 T23-S R37-E Meridian NMPM County Lea
Location 1980 ft. N of S Line and 660 ft. W of E Line of Section 31 Elevation 3319' (D.F.)
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 [Signature]
Date November 18, 1960 Title Assistant District Superintendent
The summary on this page is for the condition of the well at above date.

Commenced drilling October 20, 1960 Finished drilling November 3, 1960

OIL OR GAS SANDS OR ZONES

See reverse side.

(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 and no water sands tested.

IMPORTANT WATER SANDS

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—	
8-5/8"	24.00	8-R	J-55	1161'	Howco	None	None	None	Surface
5-1/2"	14.00	8-R	J-55	3656'	Howco	None	See	Above	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	1173'	400	Howco		
5-1/2"	3663'	300	Howco		

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 0 feet to 3663 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

November 18, 1960 Put to producing November 13, 1960
The production for the first 24 hours was 256.40 barrels of fluid of which 98 % was oil; — %
emulsion; 2 % water; and — % sediment. Gravity, °Bé. 35.9
If gas well, cu. ft. per 24 hours 2095 MCF Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

B. G. Campbell, Driller W. J. Botkin, Driller
J. D. Glover, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	272	272	Caliche
272	873	601	Red Bed
873	1090	217	Red Rock & Anhy
1090	1257	167	Anhy
1257	2733	1476	Anhy & Salt
2733	3186	453	Anhy & Gyp
3186	3455	269	Lime
3455	3663	208	Anhy
Total Depth	3663		
PBTD	3650		

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

Estimate 5325

Formation Tops

4 - USGS
1 - NMOCC
1 - Division
1 - Field
1 - File

Anhy 1167'
Top of Salt 1256'
Base of Salt 2735'
Yates 2928'
Queen 3456'
Penrose 3538'

FROM	TO	TOTAL FEET	FORMATION
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Deviation Record

2-1/4	353
1/4	714
1/2	1135
3/4	1569
1	1908
3/4	2092
1/2	2216
1-1/4	2370
1-3/4	2833
1-1	3000
2	3278
2-1/2	3430
2-1/4	3520
2-3/4	3663

[illegible]

11 gms 100 cc of water 100 cc of water 100 cc of water

new annual 45 percent cut in non-phosphate oil

100

And _____ are _____ about _____

And _____ are _____ about _____

1000

[illegible]

Figure 1 consists of two rows of plots. The top row shows the evolution of the number of particles N versus time t for different values of α (0.0, 0.2, 0.4, 0.6, 0.8, 1.0). The bottom row shows the evolution of N versus t for different values of β (0.0, 0.2, 0.4, 0.6, 0.8, 1.0). The plots show that N increases with time and is higher for larger α and β values.

[illegible][illegible][illegible][illegible]

HISTORY

is of the greatest importance to have a complete knowledge of the reasons for the work and its results. If there is a "cracked" or left in the well, give its size and location. If plugs or bridges were put in to test for water.

E. E. B. 11

Added 11" hole 8:00 PM October 26,
sampled at 1173, with 300 gx 1/2 gal

before and after drilling plug for 3
plate 1:00 PM October 23, 1960.

No. 1, 3455 to 3506, 51, 100
No. 2, 3507 to 3558, 47, 92

de No. 3, 3559 to 3610, 48, 94%
e No. 4, 3611 to 3663, 52, 100

36561 of 5-1/2" O.D. casting and after drilling

Job complete 4:30 AM 11-5-60.

Zone: Perforate

0 gals 15% 1ST NEA. Frac with 20%
lbs crushed naphthalene. Ran 3130

* It well flowed 6385 BO and 1.15
1960. GOR = 2615; Gravity = 35.1

Mat (Dag) Zone: Perforate 5-1/2m

3016 to 3050, 3086 to 3094, 3177 to 3187, and 3212 to 3217

of Pay - 30371, Btm of Pay - 3222

. date - November 17, 1960.