Form 9-330

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 032320 (a)
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Continental Oil Company Address Box CC-Hobbs, New Mexico
Lessor or Tract Jack A-20 Field Mattix State New Mexico
Well No. 8 Sec. 20 T. 24 R. 37 Meridian N.M.P.M. County Lea
Location 990 ft. {N/S} of N Line and 990 ft. {E/W} of E Line of Sec. 20 Elevation 3255 GM (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 /s/ H. L. Johnston
Date May 7, 1940 Title Dist. Supt.

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

Commenced drilling 3-7-40, 19 Finished drilling 3-30-40, 19

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 3500 to 3555 No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to

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 From—	Perforated To—	Purpose
10 3/4"	38.70	8	LW	383'3"	TP				
7"	23	8	Smls.	3426'6"	Cement guide shoe and float collar				
2"	4.70	8	Smls.	3563'5"	Tubing set 3544'				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	379	250	Halliburton		
7"	3399	900	Halliburton		

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
3 1/2"	Risonite	S.N.G.	240 qts.	4-2-40	3494-3555	

TOOLS USED

Rotary tools were used from 0 feet to 3555 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

May 7, 1940, 19 Put to producing April 16, 1940, 19

The production for the first 24 hours was 72 barrels of fluid of which 100 % was oil; % emulsion; % water; and % sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours 280,000 Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in.

EMPLOYEES

Lee Durham, Driller W. P. Hammond, Driller
, Driller J. M. Warren, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0			

FOLD | MARK

[OVER]

16—43094-3

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
0	25		Caliche
25	70		Redrock
70	395		Redbed
395	1138		Redrock
1138	1250		Anhydrite
1250	1281		Anhydrite and shale
1281	1520		Anhydrite and salt
1520	1535		Anhydrite
1535	1644		Salt and anhydrite
1644	2207		Anhydrite and salt
2207	2270		Anhydrite
2270	2290		Anhydrite and salt
2290	2300		Anhydrite
2300	2490		Anhydrite and salt
2490	2599		Anhydrite, potash, and salt
2599	2666		Anhydrite and salt
2666	2771		Anhydrite, gyp, and potash
2771	2812		Anhydrite
2812	2943		Sandy lime
2943	3025		Broken sandy lime
3025	3097		Lime
3097	3104		Hard sand
3104	3134		Sandy lime
3134	3205		Lime
3205	3223		Lime and gyp
3223	3355		Lime
3355	3388		Broken lime
3388	3459		Sandy lime
3459	3507		Sandy lime and shale
3507	3513		Sand
3513	3515		Sandy lime and shale
3515	3544		Broken sand and lime
3544	3565		Lime and sand shells

T.D. 3555 GM. Pay 3500-3555 sand. Well was shot 4-2-40 with 240 qts. SNG from 3494-3555; was not acidized. Initial production 3 bbls. oil per hour with 280 MCF gas on 24 hour test thru 24/64" choke on 2" tubing.

Texas-New Mexico Pipe Line Company running allowable effective 4-16-40

All above measurements, except driller's log, are from ground level. Derrick floor 10' above ground level.

FORMATION TOPS

Anhydrite 1140
Red Sand 2670
Pay Lime 3494-3555' GM

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

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.