DUPLICATE

Form 9-330

Budget Bureau No. 42-R355.1.
Approval expires 11-30-49.

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 032581 (a)
LEASE OR PERMIT TO PROSPECT Lease

RECEIVED
JUN - 8 1951
OIL CONSERVATION COMMISSION
HOBBS-OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Continental Oil Company Address Box CC, Hobbs, New Mexico
Lessor or Tract M. F. Sholes A-13 Field Cooper-Jal State New Mexico
Well No. 3 Sec. 13 T. 25-S R. 36-E Meridian N.M.P.M. County Lea
Location 660 ft. {N.} of S Line and 660 ft. {E.} of E Line of Sec. 13 Elevation 3156
(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 [illegible]
Date June 7, 1951 Title District Superintendent

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

Commenced drilling November 24, 19 50 Finished drilling December 4, 19 50

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(G) No. 1, from 2777 to 3033 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
7 5/8	24	8R	N-40	797	Guide				
7 5/8	26.40	8R	J-55	316					
5 1/2	14	8R	J-55	3104	F.Collar & G. Shoe		See History		

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7 5/8	1110	540	Pump & Plug		
5 1/2	3097	450	Pump & Plug		

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
		NONE				

TOOLS USED

Rotary tools were used from 0 feet to 3100 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

, 19 Put to producing January 6, 19 51

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

If gas well, cu. ft. per 24 hours 1125 MCF Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

S. T. Gruber, Driller L. G. Sexton, Driller
E. J. Leake, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1085	1085	Surface sands and red beds.
1085	1120	35	Anhydrite.
1120	1675	555	Salt.
1675	2610	935	Salt and anhydrite.
2610	3100	490	Lime.

(OVER)

16—43094-2

FOLD

MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

HISTORY OF WELL

DST #1 from 2730-2870', tool open 1 1/2 hrs. Gas to surface in 4 mins. Flowed at rate of 152.8 MCF per day. Recovered 600' sulphur water.

Set 5 1/2" casing at 3097' w/450 sax cement. Moved in reverse rig. Drilled out plug to 3096'. Ran radioactivity survey. Perforated 3087-3091' w/16 holes. Swabbed dry. Acidized w/500 gals. Swabbed 18 bbls. water per hr. on 3 hr. test. Set retainer at 3084' and squeezed off perforations with 50 sax. Perforated 3074-3064' w/40 holes and 3082-3078' w/16 holes. After rec. oil & acid lead, swabbed 10 bbls. water per hr. for 3 hrs. Set retainer at 3060' and squeezed perf. 3064-3074' and 3082-2078' w/50 sax. Perforated 3048-3058' w/40 holes. Ran tubing with packer set at 3020'. Swabbed dry. Attempted acidize w/500 gals. w/3500# pressure. Acid on formation 5 hrs., last 2 hrs. formation took 2 bbls. Swabbed out acid and pulled tbg. and packer. Reperforated csg. from 3048-3058' w/40 holes; 3037-3042' w/20 holes. Ran tbg. w/packer set at 3030'. Swabbed dry. Acidized w/500 gals. After rec. oil and acid lead swabbed 7 bbls. water, no oil or gas, in 5 hrs. Pulled tbg. and packer. Set retainer at 3025' and squeezed off perforations w/50 sax cement. Perf. 3008-3018' w/40 holes; 3025-3032' w/28 holes. Ran tbg. w/packer set at 2989'. Swabbed dry. Acidized w/500 gals. Swabbed dry. Pulled tubing and packer. Set bridging plug at 3000'. Perforated 2962-2980' w/32 holes and 2975-2984' w/36 holes; 2988-2994' w/24 holes. Ran tubing w/packer set at 2950'. Swabbed dry. Acidized w/ 500 gals. Very light show of gas before and after acidizing. Set bridging plug at 2955'. Perforated 2938-2950' w/48 holes; 2929-2931' w/8 holes; 2921-2927' w/24 holes; 2916-2918' w/8 holes; 2909-2914' w/20 holes; 2905-2907' w/8 holes; 2899-2902' w/12 holes. Ran tubing w/packer set at 2883'. Swabbed dry. Acidized w/500 gals. Flowed 667.6 MCF gas per day. Set bridging plug at 2894'. Perforated 2864-2890' w/104 holes. Ran tubing w/packer set at 2850'. Swabbed in and flowed 683 MCF per day. Acidized w/500 gals. Swabbed in and flowed 3040 MCF per day. Drilled out plug to 2955' bailed hole dry. Shut well in for back pressure test.

BACK PRESSURE TEST

Orifice	Back Pressure PSIA	Volume
1/2"	194.2	1025
1/4"	464.2	598

Deliverability at 600 PSI - 330 MCF per day.
Deliverability at 150 PSI - 1070 MCF per day.
Calculated open flow potential 1129 MCF gas per day.
Shut-in Pressure - 730.2 PSIA.

HISTORY OF OIL OR GAS WELL

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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.

LOC OF OIL OR CAS WELL

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OIL CONSERVATION COMMISSION
APR - 3 1951

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OFFICIAL

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