

A 10x10 grid with a large 'X' in the top-left corner. The 'X' is formed by two thick black lines crossing at the center of the grid. The grid lines are thin and black.

U. S. LAND OFFICE Las Grapes
SERIAL NUMBER 032096 (b)
LEASE OR PERMIT TO PROSPECT Lease

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
JUL 30 1952
U. S. GEOLOGICAL SURVEY
FOSB, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Continental Oil Company Address Box 427, Hobbs, New Mexico
Lessor or Tract A. M. Lockhart B-12 Field Brunson State New Mexico
Well No. 1 Sec. 12 T. 21S R. 37E Meridian N.M.P.M. County Lea
Location 330 ft. NE of N Line and 660 ft. E of W Line of Section 12 Elevation 3480
(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.

so far as can be determined from all available records.

Date July 29, 1952

Signed J. R. Chestnut
Title Asst. Dist. Supt.

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

Commenced drilling April 28, 19 52. Finished drilling June 30, 19 52.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 8133 to 8221 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. 2, from _____ to _____

No. 3, 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—	
13	50#	12		260'	Guide				
9 3/8	30#	12	1-55	102'	1. shoe & P. collar				
7	24#	12	1-40	272'	1. shoe & P. collar			See history	
7	23#	12	1-55	1569'					
7	26#	8R	1-95	512'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13	275	250	Pump & Plug		
9 5/8	3149	1518	Pump & Plug		
7	8268	940	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 826 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

Put to producing July 17, 1952

The production for the first 24 hours was 512 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 46

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

S. T. Gibbs, Driller T. Holsey, Driller

Driller _____, Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1400	1400	Redbeds.
1400	1520	120	Anhydrite.
1520	2570	1050	Salt.
2570	6905	4335	Anhydrite, Dolomite and Lims.
6905	7550	645	Dolomite and Lims.
7550	7748	198	Lims and Shale.
7748	8118	370	Shale and Sand.
8118	8137	19	Lims.
8137	8235	98	Dolomite.
8235	8258	23	Granite Wash and Granite.

FROM-	TO-	TOTAL FEET	FORMATION
DST #1, 5750' to 6060', Ellinburg, tool open 1 hour, light blow of air throughout test. Recovered 1140' of salt water with trace of oil and gas. PP 700#. 15-minute shut-in pressure 1400#. Hydrostatic pressure 2800#.			
DST #2, from 7020' to 7320', Abu formation, tool open 1 hour, light blow of air for 25 minutes. Recovered 60' drilling mud.			
DST #3, from 7350' to 7580', tool open 1 hour, light blow of air throughout test. Recovered 110' drilling mud, no oil or water. Flowing pressure 0%. 15-minute shut-in pressure 0%. Hydrostatic pressure 3800#.			
DST #4, from 7806' to 7875', tool open 2 hours and 5 minutes. Gas to surface in 4 minutes, fluid in 30 minutes. Flowed 34 bbls. oil, no water in 1 hour with 815 MCF gas. ROR 1000. Flowing pressure 1160# to 1100#. 15-minute shut-in pressure 2340#.			
DST #5, Connell, from 8085' to 8123', tool open 1 hour and 45 minutes, gas to surface in 4 minutes, fluid in 30 minutes. Flowed 26 bbls. oil on 1 hour test with 571 MCF gas per day. GOR 953. Flowing pressure 1200#. 15-minute shut-in pressure 2375#.			
DST #6, from 8150' to 8230', pressure failed.			
DST #7, from 8170' to 8230', Ellinburg, tool open 30 minutes, light blow of air for 5 minutes and died. Recovered 50' drilling mud, no oil, gas or water. Flowing pressure 0%. shut-in pressure 0%. Hydrostatic pressure 4250#.			
DST #8, from 8230' to 8289', Lower Ellinburg, tool open 30 minutes, light blow of air for 6 minutes. Recovered 60' drilling mud, no show oil, gas or water. Flowing pressure 0%. 15-minute shut-in pressure 0%. Hydrostatic pressure 4250#.			
7" casing was perforated from 8133-8160' with 108 shots and 8171-8221' with 200 shots. Perforations were acidized with 7,000 gallons acid. Well was not shot. 2 1/2" tubing set at 8185'.			
On initial potential flowed 128 bbls. at 46 deg. gravity oil, no water, in 6 hours thru 3/4" tubing on 2 1/2" tubing for a daily potential of 512 bbls. oil, no water. Gas volume 414 MCF per day. GOR 809. CP 0#. IP 25#.			

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 "side-tracked" 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