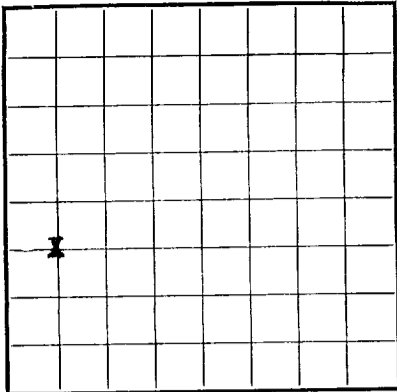


MAY 10 O. C. C.

HOBBS

U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **LC 031741 (b)**
LEASE OR PERMIT TO PROSPECT **NMPU**



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Continental Oil Company** Address **Box 427**
Lessor or Tract **S. 4 Hawk B-13** Field **Skaggs** State **N.M.**
Well No. **2** Sec. **13** T. **20S** R. **37E** Meridian **NMPM** County **Lea**
Location **1980** ft. ^(N.) of **S** Line and **660** ft. ^(E.) of **W** Line of **Section 13** Elevation **3555** (Derrick floor relative to 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 *[Signature]*

Date **April 7, 1954** Title **District Superintendent**

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

Commenced drilling **February 8**, 19**54** Finished drilling **March 1**, 19**54**

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from **3769** to **3891** 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		Purpose
							From-	To-	
8 5/8	24	8 rd.	J-55	249.00	Guide Shoe				
5 1/2	15.5	8 rd.	Grayburg	1045	and float collars				
5 1/2	14	8 rd.	Grayburg	3770	and float collars				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	256	200	Pump & Plug		
5 1/2	3769	1045	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

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from **0** feet to **3891** feet, and from _____ feet to _____ feet

DATES

Put to producing _____, 19____
The production for the first 24 hours was _____ barrels of fluid of which **March 1** % was oil; **54** % emulsion; _____ % water; and _____ % sediment. **408** Gravity, °Bé. **100**
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas **370**
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller
J. W. Ellis, Driller
O. E. Kelton, Driller
W. W. Watts, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	1360	1360	Redbed
1360	1510	150	Anhydrite, Red Shale
1510	2526	1016	Salt
2526	2720	194	Anhydrite, Red Shale
2720	2820	100	Anhydrite, Red Shale, Sand
2820	3230	410	Dolomite, Anhydrite, Red Shale
3230	3300	70	Anhydrite, Shale, Sand
3300	3770	470	Dolomite, Anhydrite, Shale, Sand
3770	3891	121	Dolomite, Sand

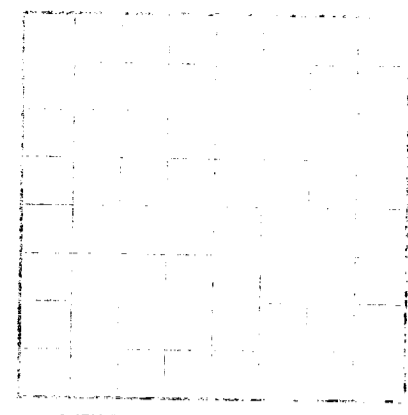
On initial potential flowed 102 bbls. of 37° gravity oil, no water in 6 hours thru 32/64" choke on 2" tubing for a daily potential of 408 bbl. oil, no water. Gas Volume 283 MCF per day. GOR 645, casing pressure 0%. (Packer), tubing pressure 125#. Well was not shot or acidized. Well was sandfraced with 6000 gallons oil and 6000# sand from 3770'-3891'. Pay: Grayburg: from 3769' to 3891'. 5-1/2" casing was not perforated. Shell Pipe Line Company connected.

FOLD MARK

U. S. GEOLOGICAL SURVEY
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT
 WASHINGTON, D. C.

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



State of _____
 County of _____
 Township of _____
 Range of _____
 Section of _____
 The location given herein is a complete record of the well and its location as determined from all available records.

The following is a complete history of the well as determined from all available records.

OIL OR GAS WELLS OR PLUGS
 Date of completion _____
 Name of well _____
 Depth of well _____
 Name of operator _____
 Name of driller _____

CASING RECORD
 Date of installation _____
 Name of casing _____
 Depth of casing _____

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.

HISTORY OF OIL OR GAS WELL
 U. S. GOVERNMENT PRINTING OFFICE 16-48084-2

MEASURING AND OPERATIVE RECORD		Diameter of casing	Diameter of hole	Direction of dip	Remarks
Date	Time				
PLUGS AND ADAPTERS					
SHOOTING RECORD					
SMALL CYLINDERS					
FORMATION RECORD					