

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 054253-A
LEASE OR PERMIT TO PROSPECT Julia Brainard

GEOLOGICAL SURVEY RECEIVED
MAR 10 1977
RECEIVED
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Roswell, New Mexico

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Continental Oil Co. (M. Yates, Jr.) Address Artesia, New Mexico
Lessor or Tract _____ Field Loco Hills State New Mexico
Well No. 4-A Sec. 11 T. 18 R. 29 Meridian N. M. P. M. County Eddy
Location 1650 ft. {X} of N. Line and 2310 ft. {E} of W. Line of Sec. 11 Elevation 3513 (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 M. Yates Jr. Title Partner
Date _____

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

Commenced drilling March 7th, 1940 Finished drilling April 14th, 1940

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

No. 1, from 2629 to 2651 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—	
<u>7"OD</u>				<u>2559 ft. -- 100 sacks of cement, 5 tons of mud</u>					
<u>8 1/4"</u>				<u>470 ft. -- 50 sacks of cement</u>					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>7"OD</u>					<u>2559 ft. -- 100 sacks of cement, 5 tons of mud</u>
<u>8 1/4"</u>					<u>470 ft. -- 50 sacks of cement</u>

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
<u>Shot well from 2629' to 2651' with 90 quarts of nitro-glycerin, April 10, 1940, by New Mexico Glycerin Company</u>						

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 2651 feet, and from _____ feet to _____ feet

DATES

Put to producing April 14, 1940
The production for the first 24 hours was 90 bbls in 4 hours barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 37
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

C. H. Harris, Driller S. J. Barnett, Driller
C. E. Flanagan, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>50</u>		<u>Red Sand</u>
<u>50</u>	<u>150</u>		<u>Red Sand</u>
<u>150</u>	<u>160</u>		<u>Gravel</u>
<u>160</u>	<u>185</u>		<u>Anhydrite and red sand</u>
<u>185</u>	<u>205</u>		<u>Anhydrite and gypsum</u>
<u>205</u>	<u>240</u>		<u>Anhydrite and gypsum</u>
<u>240</u>	<u>280</u>		<u>Red shale and gypsum</u>
<u>280</u>	<u>295</u>		<u>Anhydrite and red rock</u>
<u>295</u>	<u>305</u>		<u>Blue shale</u>
<u>305</u>	<u>350</u>		<u>Gypsum and red rock</u>
<u>350</u>	<u>355</u>		<u>Sand (water 1/2 bailer per hr.)</u>
<u>355</u>	<u>380</u>		<u>Anhydrite and gypsum</u>
<u>380</u>	<u>430</u>		<u>Red shale, broken</u>
<u>430</u>	<u>448</u>		<u>Anhydrite</u>
<u>448</u>	<u>460</u>		<u>Anhydrite and salts.</u>
<u>460</u>	<u>475</u>		<u>Salt</u>
<u>475</u>	<u>630</u>		<u>Salt and potash</u>
<u>630</u>	<u>655</u>		<u>Salt</u>
<u>655</u>	<u>760</u>		<u>Salt and potash</u>
<u>760</u>	<u>800</u>		<u>Anhydrite</u>
<u>800</u>	<u>900</u>		<u>Salt</u>
<u>900</u>	<u>960</u>		<u>Salt and potash</u>
<u>960</u>	<u>995</u>		<u>Anhydrite</u>
<u>995</u>	<u>1015</u>		<u>Anhydrite and red rock, broken</u>
<u>1015</u>	<u>1145</u>		<u>Anhydrite</u>

(OVER)

FORMATION RECORD—Continued

FROM	TO	TOTAL FEET	FORMATION
1175	1270	1270	Anhydrite and red rock
1280	1280	1280	Anhydrite
1465	1470	1470	Blue shale
1520	1520	1520	Anhydrite and red rock
1665	1665	1665	Anhydrite
1675	1675	1675	Lime broken
1735	1735	1735	Anhydrite
1745	1745	1745	Anhydrite and red rock
1760	1760	1760	Brown lime and anhydrite
1790	1790	1790	Anhydrite
1792	1792	1792	Brown lime
1915	1915	1915	Anhydrite
2045	2045	2045	Anhydrite and red rock
2080	2080	2080	Anhydrite
2095	2095	2095	Anhydrite and red rock
2130	2130	2130	Anhydrite
2155	2155	2155	Anhydrite and red rock
2200	2200	2200	Red sand
2205	2205	2205	Anhydrite
2230	2230	2230	Lime and anhydrite
2255	2255	2255	Gray lime
2295	2295	2295	Anhydrite
2315	2315	2315	Lime
2320	2320	2320	Lime broken
2335	2335	2335	Anhydrite and red rock
2370	2370	2370	Anhydrite
2385	2385	2385	Lime brown
2710	2710	2710	White sand
2715	2715	2715	Anhydrite and red sand
2775	2775	2775	Lime brown
2795	2795	2795	Gray lime
2800	2800	2800	Anhydrite and red rock
2810	2810	2810	Anhydrite and blue shale
2820	2820	2820	Anhydrite and red rock
2830	2830	2830	Lime
2850	2850	2850	Gray lime
2852	2852	2852	Anhydrite
2865	2865	2865	Gray lime
2875	2875	2875	Lime
2885	2885	2885	White sand--show of gas and oil
2895	2895	2895	Sand brown
2905	2905	2905	Local depth

SHOOTING RECORD

PRODS AND MEASURES

WINDING AND REMARKS

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.

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