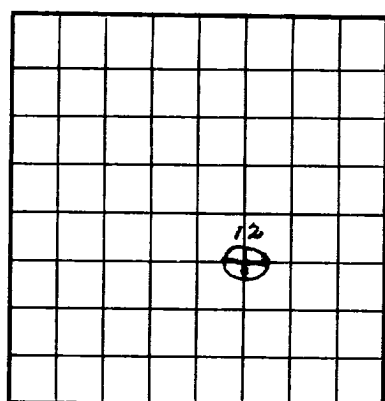


U. S. LAND OFFICE Las CrucesSERIAL NUMBER 028786

LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company J. E. Bedingfield Address Box 563, Artesia, New Mexico
Lessor or Tract Julia Brainard Field Empire State New Mexico
Well No. 1 Sec. 25 T. 17S R. 27 E Meridian N.M.P.M. County Eddy
Location 330 ft. (N.) of S Line and 1650 ft. (E.) of E Line of Section 25 Elevation 3607
(Derrik 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 W. W. Byrd
Title Agent

Date December 27, 1946

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

Commenced drilling October 24, 19 46 Finished drilling December 4, 19 46

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 487 to 491 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 228 to 300 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>8 5/8"</u>	<u>28 lbs.</u>	<u>8</u>	<u>Standard</u>	<u>319'</u>	<u>Regular</u>	<u>319' pulled</u>	<u>-0-</u>	<u>-0-</u>	
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>7"</u>	<u>485'</u>	<u>20 sacks cement</u>	<u>poured</u>	<u>calseal</u>	<u>50 sacks.</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>Acidized with</u>	<u>1000 gallons of</u>	<u>15% acid.</u>			

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 501 feet, and from _____ feet to _____ feet

DATES

Put to producing December 14, 19 46

The production for the first 24 hours was 4 barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____

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. L. Dowall, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

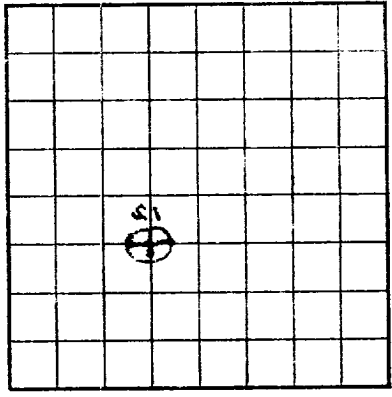
FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>15</u>	<u>15</u>	<u>Soil, caliche and red bed</u>
<u>15</u>	<u>60</u>	<u>45</u>	<u>Red shale</u>
<u>60</u>	<u>115</u>	<u>55</u>	<u>Shale and anhydrite</u>
<u>115</u>	<u>134</u>	<u>19</u>	<u>Broken white lime</u>
<u>134</u>	<u>142</u>	<u>8</u>	<u>Yellow shale</u>
<u>142</u>	<u>156</u>	<u>14</u>	<u>Brown shale and red rock</u>
<u>156</u>	<u>180</u>	<u>24</u>	<u>Light lime and shale</u>
<u>180</u>	<u>185</u>	<u>5</u>	<u>Yellow shale</u>
<u>185</u>	<u>210</u>	<u>25</u>	<u>Anhydrite and red shale</u>
<u>210</u>	<u>252</u>	<u>42</u>	<u>Red bed</u>
<u>252</u>	<u>274</u>	<u>22</u>	<u>Broken anhydrite (3 barrells per day)</u>
<u>274</u>	<u>288</u>	<u>14</u>	<u>Red bed</u>
<u>288</u>	<u>300</u>	<u>12</u>	<u>Anhydrite and shale (water 3 bailers)</u>
<u>300</u>	<u>319</u>	<u>19</u>	<u>Anhydrite (set 319' 6" of 8 5/8' casing)</u>
<u>319</u>	<u>345</u>	<u>26</u>	<u>Broken anhydrite and brown shale.</u>
<u>345</u>	<u>365</u>	<u>25</u>	<u>Anhydrite and brown lime.</u>
<u>365</u>	<u>390</u>	<u>35</u>	<u>Anhydrite and brown lime.</u>
<u>390</u>	<u>425</u>	<u>7</u>	<u>Red bed and gray lime.</u>
<u>425</u>	<u>432</u>	<u>23</u>	<u>Brown shale</u>
<u>432</u>	<u>455</u>	<u>6</u>	<u>Broken anhydrite.</u>
<u>455</u>	<u>461</u>	<u>26</u>	<u>Brown shale.</u>
<u>461</u>	<u>487</u>	<u>4</u>	<u>Brown lime with little oil and gas.</u>
<u>487</u>	<u>491</u>	<u>7</u>	<u>Anhydrite</u>
<u>491</u>	<u>498</u>	<u>2</u>	<u>Anhydrite</u>
<u>498</u>	<u>500</u>	<u>1</u>	<u>Brown lime.</u>
<u>500</u>	<u>501</u>	<u>1</u>	<u>Base shale.</u>

Total depth. 501

FORMATION RECORD—Continued

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



Company _____
Lessor or Tract _____
Well No. _____
Location _____
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 _____
Title _____
Date _____

The summary on this page is for the condition of the well at above date
Commenced drilling _____
Finished drilling _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____

IMPORTANT WATER SANDS

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

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
8 5/8"	28 lbs.	8	Standard	100	Reamer	100	0-4	For pumping or bailing.

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

Size casing	White set	Number sacks of cement	Method used	Mud quantity	Amount of mud used
8 5/8"	48%	20 sacks	poured	caliche	20 sacks

PLUGS AND ADAPTERS

Heavy plug—Material _____
Adapters—Material _____
Size _____
Length _____
Depth set _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Adapted with 1000						

TOOLS USED

Rotary tools were used from _____ feet to _____ feet and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet

DATES

The production for the first 24 hours was _____ barrels of fluid of which _____ was oil.
It gas well, cut ft. per 24 hours _____
Rock pressure, lbs. per sq. in. _____
Gallons gasoline per 1,000 cu. ft. of gas _____
Gravity, °Bé. _____
Put to producing _____, 19____

EMPLOYEES

Driller _____
Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	10	10	Soft, calcareous and red bed
10	20	20	Red shale
20	30	30	Shale and anhydrite
30	40	40	Broken white lime
40	50	50	Yellow shale
50	60	60	Brown shale and red rock
60	70	70	Light lime and shale
70	80	80	Yellow shale
80	90	90	Anhydrite and red shale
90	100	100	Red bed
100	110	110	Broken anhydrite (3 bars—like new day)
110	120	120	Red bed
120	130	130	Anhydrite and shale (water 3 inches)
130	140	140	Anhydrite (set 519, 52 of 5/8" casing)
140	150	150	Broken anhydrite and brown shale.
150	160	160	Anhydrite and brown lime.
160	170	170	Anhydrite and brown lime.
170	180	180	Red bed and gray lime.
180	190	190	Brown shale
190	200	200	Broken anhydrite.
200	210	210	Brown shale.
210	220	220	Brown lime with little oil and gas.
220	230	230	Anhydrite
230	240	240	Anhydrite
240	250	250	Brown lime.