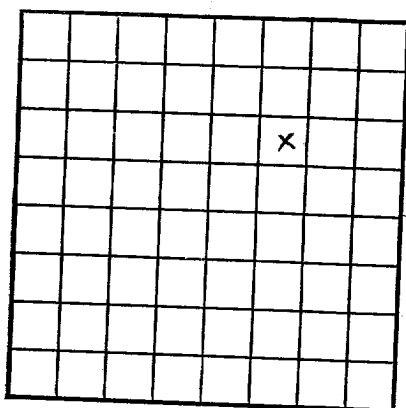




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 047633
LEASE OR PERMIT TO PROSPECT _____UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Bob Johnson, Oil Operator Address Artesia, New Mexico
Lessor or Tract J. M. Swearingen, Permittee Field Shugart Area State New Mexico
Well No. 4 Sec. 14 T. 18S R. 31E Meridian _____ County Eddy
Location 1650 ft. {N} of H. Line and 1650 ft. {E} of E. Line of Section 14 Elevation _____
(Denote 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 _____

Title Operator

Date _____

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

Commenced drilling November 3, 1947 Finished drilling November 19, 1948

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3465 to 3478 No. 4, from _____ to _____
No. 2, from 3497 to 3528 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>8 5/8</u>	<u>3</u>	<u>3</u>	<u>835</u>	<u>3465</u>	<u>835</u>	<u>3465</u>			<u>It is of the greatest importance to have a complete record of the well.</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>8 5/8</u>	<u>835</u>	<u>50</u>	<u>Halliburton</u>		
<u>7</u>	<u>3458</u>	<u>100</u>	<u>Halliburton</u>		<u>6 Tons Mud</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

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 3539 feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing November, 1948
The production for the first 24 hours was 16 barrels of fluid of which 100 % 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

_____, Driller _____, Driller
_____, Driller _____, Driller
Buck Shannon, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>295</u>	<u>295</u>	<u>Red Bed</u>
<u>295</u>	<u>414</u>	<u>119</u>	<u>Red Sandy Shale</u>
<u>414</u>	<u>418</u>	<u>4</u>	<u>W.S.</u>
<u>418</u>	<u>450</u>	<u>32</u>	<u>Red Shale</u>
<u>450</u>	<u>855</u>	<u>405</u>	<u>Anhydrite</u>
<u>855</u>	<u>890</u>	<u>35</u>	<u>Salt</u>
<u>890</u>	<u>935</u>	<u>45</u>	<u>Anhydrite</u>
<u>935</u>	<u>1165</u>	<u>230</u>	
<u>1165</u>	<u>2070</u>	<u>905</u>	<u>Salt</u>
<u>2070</u>	<u>2200</u>	<u>130</u>	<u>Anhydrite</u>
<u>2200</u>	<u>3150</u>	<u>950</u>	<u>Anhydrite</u>
<u>3150</u>	<u>3208</u>	<u>58</u>	<u>Lime</u>
<u>3208</u>	<u>3230</u>	<u>22</u>	<u>Red Bed</u>
<u>3230</u>	<u>3270</u>	<u>40</u>	<u>Anhydrite</u>
<u>3270</u>	<u>3440</u>	<u>170</u>	<u>Lime</u>
<u>3440</u>	<u>3446</u>	<u>6</u>	<u>Red Bed</u>
<u>3446</u>	<u>3465</u>	<u>19</u>	<u>Lime</u>
<u>3465</u>	<u>3478</u>	<u>13</u>	<u>Red Oil Sand</u>
<u>3478</u>	<u>3497</u>	<u>19</u>	<u>Lime</u>
<u>3497</u>	<u>3528</u>	<u>31</u>	<u>Sand—Hard</u>
<u>3528</u>	<u>3539</u>	<u>11</u>	<u>Sand, Broken With Blue Shale</u>

FROM—

TO—

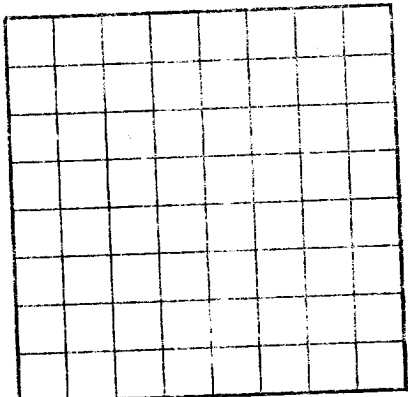
TOTAL FEET

FORMATION

FORMATION RECORD—Continued

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



LOCATE WELL CORRECTLY

Company _____
Lessor or Tract _____
Well No. _____
Location _____ of _____
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.

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

(Describe gas by G)

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____
No. 5, from _____ to _____
No. 6, from _____ to _____
No. 7, from _____ to _____
No. 8, from _____ to _____
No. 9, from _____ to _____
No. 10, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____
No. 5, from _____ to _____
No. 6, from _____ to _____
No. 7, from _____ to _____
No. 8, from _____ to _____
No. 9, from _____ to _____
No. 10, from _____ to _____

CASING RECORD

Casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose
							From	To
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

MUDDING AND CEMENTING RECORD

Casing	Weight per foot	Threads per inch	Number sacks of cement	Method used	Mud gravity	Amount of mud used

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 _____ feet to _____ feet and from _____ feet to _____ feet.

DATES

The production for the first 24 hours was _____ barrels of fluid of which _____ was oil; _____ put to producing _____, 19____.
It gas well, out _____ per 24 hours _____ sediment.
Rock pressure _____ per sq in.
Gallons gasoline per 1,000 cu. ft. of gas _____ Gravity, _____ B.S.
Gallons of fluid of which _____ was oil; _____ put to producing _____, 19____.

EMPLOYEES

Driller _____
Driller _____
Driller _____

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	200	200	Reddish-brown shale
200	400	400	Dark gray shale
400	600	600	Dark gray shale
600	800	800	Dark gray shale
800	1000	1000	Dark gray shale
1000	1200	1200	Dark gray shale
1200	1400	1400	Dark gray shale
1400	1600	1600	Dark gray shale
1600	1800	1800	Dark gray shale
1800	2000	2000	Dark gray shale
2000	2200	2200	Dark gray shale
2200	2400	2400	Dark gray shale
2400	2600	2600	Dark gray shale
2600	2800	2800	Dark gray shale
2800	3000	3000	Dark gray shale
3000	3200	3200	Dark gray shale
3200	3400	3400	Dark gray shale
3400	3600	3600	Dark gray shale
3600	3800	3800	Dark gray shale
3800	4000	4000	Dark gray shale
4000	4200	4200	Dark gray shale
4200	4400	4400	Dark gray shale
4400	4600	4600	Dark gray shale
4600	4800	4800	Dark gray shale
4800	5000	5000	Dark gray shale
5000	5200	5200	Dark gray shale
5200	5400	5400	Dark gray shale
5400	5600	5600	Dark gray shale
5600	5800	5800	Dark gray shale
5800	6000	6000	Dark gray shale
6000	6200	6200	Dark gray shale
6200	6400	6400	Dark gray shale
6400	6600	6600	Dark gray shale
6600	6800	6800	Dark gray shale
6800	7000	7000	Dark gray shale
7000	7200	7200	Dark gray shale
7200	7400	7400	Dark gray shale
7400	7600	7600	Dark gray shale
7600	7800	7800	Dark gray shale
7800	8000	8000	Dark gray shale
8000	8200	8200	Dark gray shale
8200	8400	8400	Dark gray shale
8400	8600	8600	Dark gray shale
8600	8800	8800	Dark gray shale
8800	9000	9000	Dark gray shale
9000	9200	9200	Dark gray shale
9200	9400	9400	Dark gray shale
9400	9600	9600	Dark gray shale
9600	9800	9800	Dark gray shale
9800	10000	10000	Dark gray shale