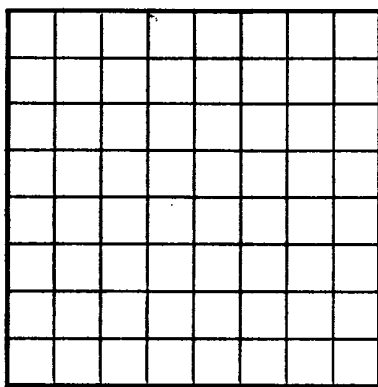


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 058697-B
LEASE OR PERMIT TO PROSPECT Lease

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

COPY

Company Johney Cockburn Address P.O. Box 115, Artesia, New Mexico
Lessor or Tract Pearl Miller Field Maljamar State New Mexico
Well No. 16 Sec. 30 T. 17S R. 33E Meridian NMPM County Lea
Location 1980 ft. [N.] of S. Line and 1980 ft. [E.] of W. Line of Sec. 30 Elevation 4046'
(Derive elev. 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 _____

Date July 7, 1943Title Authorized Agent

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

Commenced drilling May 21, 1943 Finished drilling June 28, 1943

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4022' to 4207' G No. 4, from 4203' to 4263'
No. 2, from 4041' to 4052' No. 5, from _____ to _____
No. 3, from 4085' to 4092' 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" 20#</u>	<u>8</u>	<u>8</u>	<u>Pittsburg</u>	<u>3950'</u>	<u>Larkin</u>	<u>4022' to 4207'</u>	<u>4022'</u>	<u>4207'</u>	<u>Oil and gas</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>7"</u>	<u>3950'</u>	<u>200 sacks</u>	<u>Halliburton</u>	<u>Mixed 200 sacks of clay and 40 sacks of zeogel and pumped ahead 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>2½"</u>		<u>Nitro-Glycerin</u>	<u>240 qts</u>	<u>6-30-43</u>	<u>4161-4256'</u>	<u>To bottom</u>

TOOLS USED

Rotary tools were used from 0 feet to 3950 feet, and from _____ feet to _____ feetCable tools were used from 3950 feet to 4265 feet, and from _____ feet to _____ feet

DATES

_____ July 7, 1943 Put to producing _____ July 1, 1943The production for the first 24 hours was 60 barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. After ~~the~~ well produced on a 3 hour test, 91 barrels 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

_____ P.S. LeBlanc _____, Driller _____ Dick Ross _____, Driller_____ R.A. Vaughn _____, Driller _____ _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>30</u>	<u>30</u>	<u>Caliche</u>
<u>30</u>	<u>245</u>	<u>215</u>	<u>Red bed</u>
<u>245</u>	<u>300</u>	<u>55</u>	<u>Red rock</u>
<u>300</u>	<u>321</u>	<u>21</u>	<u>Sand and red rock</u>
<u>321</u>	<u>580</u>	<u>259</u>	<u>Red rock</u>
<u>580</u>	<u>630</u>	<u>50</u>	<u>Sand</u>
<u>630</u>	<u>1110</u>	<u>480</u>	<u>Red rock</u>
<u>1110</u>	<u>1295</u>	<u>185</u>	<u>Anhydrite</u>
<u>1295</u>	<u>1310</u>	<u>15</u>	<u>Broken anhydrite</u>
<u>1310</u>	<u>1382</u>	<u>72</u>	<u>Salt</u>
<u>1382</u>	<u>1505</u>	<u>123</u>	<u>Salt and anhydrite</u>
<u>1505</u>	<u>1765</u>	<u>260</u>	<u>Salt and shells</u>
<u>1765</u>	<u>1823</u>	<u>58</u>	<u>Salt</u>
<u>1823</u>	<u>1834</u>	<u>11</u>	<u>Anhydrite</u>
<u>1834</u>	<u>1881</u>	<u>47</u>	<u>Salt and shell</u>
<u>1881</u>	<u>1950</u>	<u>69</u>	<u>Salt and anhydrite</u>
<u>1950</u>	<u>2160</u>	<u>210</u>	<u>Salt and shells</u>
<u>2160</u>	<u>2225</u>	<u>65</u>	<u>Anhydrite and salt</u>
<u>2225</u>	<u>2327</u>	<u>102</u>	<u>Salt</u>
<u>2327</u>	<u>2370</u>	<u>43</u>	<u>Anhydrite and shale</u>
<u>2370</u>	<u>2445</u>	<u>75</u>	<u>Anhydrite</u>
<u>2445</u>	<u>2656</u>	<u>211</u>	<u>Anhydrite and gypsum</u>
<u>2656</u>	<u>2753</u>	<u>97</u>	<u>Anhydrite</u>
<u>2753</u>	<u>2803</u>	<u>50</u>	<u>Anhydrite and gypsum</u>
<u>2803</u>	<u>2990</u>	<u>187</u>	<u>Anhydrite</u>
<u>2990</u>	<u>3000</u>	<u>10</u>	<u> </u>

FORMATION RECORD—COPY

COPY

1992-1993

FROM-	TO-	TOTAL FEET	FORMATION
2990	3085	95	Anhydrite and gypsum
3085	3327	242	Anhydrite
3327	3575	248	Anhydrite and lime
3575	3625	50	Lime
3625	3687	62	Anhydrite and lime
3687	3950	263	Lime
3950	3950		Total depth with rotary tools
3950	3958	8	Lime
3958	3971	13	Brown lime
3971	3999	28	Gray lime
3999	4009	10	Gray sandy lime
4009	4031	22	Gray lime
4031	4052	21	Brown lime
4052	4060	8	Sandy lime
4060	4085	25	Gray lime
4085	4092	7	Brown sandy lime
4092	4203	111	Gray lime
4203	4215	12	Sand, soft
4215	4223	8	Sand, hard
4223	4236	13	Sand, hard
4236	4246	10	Sand, hard
4246	4263	17	Sand, hard
4263	4265	2	Lime
4265			Total Depth

ECHO		LOG	LODGE BOOK	FORMATION RECORD	
			Digger	Digger	
			Digger	Digger	
EMPLOYEES					
Book Blazette' per bet at in			Shells Blazette per 1000 cu ft of gas		
It was well cut in bet 34 points			The production for the first 34 points was 10		
The production for the first 34 points was 10			But to production total 1873		
DYLES					
Cable tools were used from			Foot to		
Rotary tools were used from			Foot to		
TOOLS USED					
To bottom					
Date					