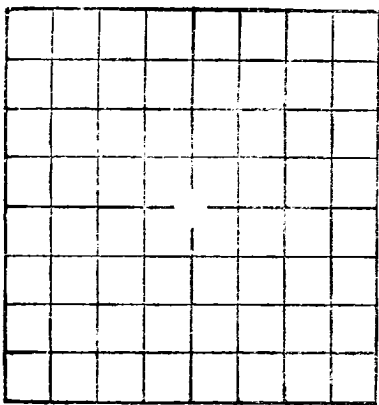




U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 023400
LEASE OR PERMIT TO PROSPECT Permit

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Cockburn & Williams Address Artesia, New Mexico
Lessor or Tract Pearl Miller Field Maljamar-Baish State New Mexico
Well No. 3 Sec. 23 T. 17S R. 32E Meridian NMPM County Lea
Location 660 ft. N. of S Line and 660 ft. E. of W Line of Sec. 23 Elevation _____
(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 _____
Date January 13, 1923 Title _____

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

Commenced drilling _____, 19____ Finished drilling _____, 19____

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

No. 1, from 2445 to 2455 Oil No. 4, from _____ to _____
No. 2, from 3215 to 3240 Gas No. 5, from _____ to _____
No. 3, from 3740 to 3750 Oil No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 700 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"</u>	<u>32#</u>			<u>880'</u>					
<u>6 5/8"</u>	<u>30D</u>			<u>2550'</u>					
<u>4"</u>				<u>liner from 2406' to 3660'</u>					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8"</u>	<u>880'</u>				
<u>6 5/8"</u>	<u>30D</u>	<u>250</u>	<u>Halliburton</u>	<u>Heavy</u>	<u>100 Sacks</u>
<u>4"</u>	<u>11"</u>	<u>150</u>	<u>Do</u>	<u>10 lbs. Aguard</u>	<u>No 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 3890 feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____
The production for the first 24 hours was 25 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
Ray Williams _____, Driller _____, Driller
Red Wells _____, Driller Geo Williams _____, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
<u>0</u>	<u>30</u>	<u>30</u>	<u>Gyp and Red Beds</u>
<u>30</u>	<u>160</u>	<u>130</u>	<u>Red Shale</u>
<u>160</u>	<u>200</u>	<u>40</u>	<u>Blue Shale</u>
<u>200</u>	<u>210</u>	<u>10</u>	<u>Gray Sand</u>
<u>210</u>	<u>480</u>	<u>270</u>	<u>Red Shale</u>
<u>480</u>	<u>520</u>	<u>50</u>	<u>Blue Shale</u>
<u>520</u>	<u>570</u>	<u>40</u>	<u>Brown Shale</u>
<u>570</u>	<u>880</u>	<u>310</u>	<u>Red and Brown Shale</u>
<u>880</u>	<u>890</u>	<u>10</u>	<u>Gray Lime</u>
<u>890</u>	<u>900</u>	<u>10</u>	<u>Dark Gray Lime</u>
<u>900</u>	<u>920</u>	<u>20</u>	<u>Red Shale</u>
<u>920</u>	<u>950</u>	<u>30</u>	<u>Gray Lime</u>
<u>950</u>	<u>956</u>	<u>6</u>	<u>Light gray Lime</u>
<u>956</u>	<u>1000</u>	<u>44</u>	<u>Anhydrite</u>
<u>1000</u>	<u>1040</u>	<u>40</u>	<u>Light Anhydrite</u>
<u>1040</u>	<u>1910</u>	<u>870</u>	<u>Salt</u>
<u>1910</u>	<u>1920</u>	<u>10</u>	<u>Red Shale with salt</u>
<u>1920</u>	<u>2060</u>	<u>140</u>	<u>Salt</u>
<u>2060</u>	<u>2080</u>	<u>20</u>	<u>Anhydrite, Light</u>
<u>2080</u>	<u>2110</u>	<u>30</u>	<u>Lime and Anhydrite</u>
<u>2110</u>	<u>2120</u>	<u>10</u>	<u>Brown Anhydrite</u>

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

6-6745

2120	2150	2150	20	Salt and anhydrite
2175	2227	2227	52	Gray Anhydrite
2227	2260	2260	33	Red Sandy shale
2260	2390	2390	30	Gray anhydrite
2330	2410	2410	20	Dark Gray anhydrite
2410	2430	2430	20	Brown anhydrite
2430	2437	2437	7	Anhydrite and blue shale
2437	2445	2445	8	" " "
2445	2455	2455	10	Brown Sand
2455	2530	2530	75	Brown Sand - Oil
2530	2600	2600	70	Sandy Brown Shale
2600	2640	2640	40	Blue shale
2640	2659	2659	10	Anhydrite and Gray shale
2659	2750	2750	100	Brown Shale
2750	2760	2760	10	Anhydrite, Gray
2760	2780	2780	20	Anhydrite, very light gray
2780	2940	2940	160	Anhydrite, Gray
2940	2970	2970	30	Anhydrite, Brown
2970	2990	2990	20	Anhydrite, Dark Brown
2990	3080	3080	90	Anhydrite, Light Brown, fine
3080	3100	3100	20	Anhydrite, Gray
3100	3160	3160	60	Anhydrite, Brown
3160	3180	3180	20	Gray Anhydrite
3180	3190	3190	10	Anhydrite, Brown
3190	3205	3205	15	Blue shale
3205	3245	3245	40	Brown Anhydrite
3245	3250	3250	5	Brown Sand - Gas
3250	3270	3270	20	Anhydrite, Light Gray
3270	3290	3290	20	Anhydrite and blue shale
3290	3340	3340	50	Gray Anhydrite
3340	3350	3350	10	Light Brown Anhydrite
3350	3380	3380	30	Dark Brown Anhydrite
3380	3420	3420	40	Light Gray Anhydrite
3420	3440	3440	20	Anhydrite, Light Brown
3440	3480	3480	40	Gray Anhydrite
3480	3510	3510	30	Light Brown Anhydrite
3510	3540	3540	30	Dark Brown anhydrite
3540	3550	3550	10	Light Brown Anhydrite
3550	3570	3570	20	Gray Anhydrite
3570	3580	3580	10	Light Brown Anhydrite
3580	3595	3595	15	Gray Lime
3595	3620	3620	25	Dark Brown Lime
3620	3650	3650	30	Dark Gray Lime
3650	3750	3750	100	Light Brown Lime
3750	3760	3760	10	Gray Lime 2740-3750 Oil
3760	3890	3890	130	Light Brown Lime
				Light Gray Lime