

U. S. LAND OFFICE Las CrucesSERIAL NUMBER 032650 (b)LEASE OR PERMIT TO PROSPECT
A.B. Coates "C" Le.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Tide Water Associated Oil Company Address Box 547 Hobbs, New Mexico
Lessor or Tract A.B. Coates "C" Field Langlie-Mattix State New Mexico
Well No. 4 Sec. 24 T. 25-S R. 37-E Meridian NMPM County Lea
Location 1980 ft. {N.} of S. Line and 330 ft. {W.} of E. Line of Sec. 24 Elevation 3072 D.F.
(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 H.P. Shackelford
Title Area Superintendent

Date November 21, 1955

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

Commenced drilling October 17, 1955, 19... Finished drilling November 2, 1955, 19...

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3326 to 3340 No. 4, from _____ to _____
No. 2, from 3348 to 3354 No. 5, from _____ to _____
No. 3, from 3366 to 3370 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>24#</u>	<u>S.J.</u>	<u>Armco</u>	<u>400</u>	<u>TexPattern</u>	<u>None</u>	<u>-</u>	<u>-</u>	<u>Surface</u>
<u>5-1/2</u>	<u>15.5#</u>	<u>8-R</u>	<u>J-55</u>	<u>3382</u>	<u>Baker</u>	<u>None</u>	<u>3326</u>	<u>3340</u>	<u>Production</u>
							<u>3348</u>	<u>3354</u>	
							<u>3366</u>	<u>3370</u>	

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>411.5'</u>	<u>300 Reg.</u>	<u>B.J.</u>	<u>Natural</u>	<u>Cement Circulated</u>
<u>5-1/2</u>	<u>3385</u>	<u>1000 8% Gel</u>	<u>B.J.</u>	<u>10.3</u>	<u>" "</u>
		<u>33 Signalite</u>			
		<u>200 Reg.</u>			

PLUGS AND ADAPTERS

Heaving plug—Material None Length _____ Depth set _____
Adapters—Material None Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
<u>Sandfraced w/ 10,000 gal. of leaner crude & 10,000 gal. of sand behind 500 gal. of acid; formation broke 2800 psi. Sandfraced 2000 psi.</u>						

TOOLS USED

Rotary tools were used from 0 feet to 3387 feet, and from _____ feet to _____ feet
Cable tools were used from - feet to - feet, and from _____ feet to _____ feet

DATES

November 21, 1955, 19... Put to producing November 9, 1955, 19...

The production for the first 24 hours was 96 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. 12/64" ck. Gravity, 77.40.5 API

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES - R.N. Olsen Drlg. Co - Contractor

A.L. Archer, Driller E.J. Kekahbah, Driller
Floyd Eaton, Driller S.G. Kekahbah, Driller
Jack Robinson

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION	
<u>0</u>	<u>207</u>	<u>207</u>	<u>Surface Sand</u>	<u>Deviation Survey</u>
<u>207</u>	<u>423</u>	<u>216</u>	<u>Red Bed</u>	<u>Depth</u>
<u>423</u>	<u>920</u>	<u>497</u>	<u>Red Bed, Shells</u>	<u>Degrees</u>
<u>920</u>	<u>1096</u>	<u>176</u>	<u>Anhy., Red Bed</u>	<u>423 1</u>
<u>1096</u>	<u>2184</u>	<u>1088</u>	<u>Anhy., Salt</u>	<u>698 2-1/4</u>
<u>2184</u>	<u>2223</u>	<u>39</u>	<u>Gypsum</u>	<u>760 1-3/4</u>
<u>2223</u>	<u>2273</u>	<u>50</u>	<u>Anhy., Gyp</u>	<u>973 1-1/4</u>
<u>2273</u>	<u>2312</u>	<u>39</u>	<u>Anhy.</u>	<u>1177 1</u>
<u>2312</u>	<u>2406</u>	<u>94</u>	<u>Anhy., Gyp., Lime</u>	<u>1740 3</u>
<u>2406</u>	<u>2849</u>	<u>443</u>	<u>Anhy., Lime</u>	<u>1800 2-3/4</u>
<u>2849</u>	<u>3096</u>	<u>247</u>	<u>Lime</u>	<u>2254 3</u>
<u>3096</u>	<u>3179</u>	<u>83</u>	<u>Lime, Dolomite</u>	<u>2270 2-3/4</u>
<u>3179</u>	<u>3243</u>	<u>64</u>	<u>Lime</u>	<u>2377 2-1/2</u>
<u>3243</u>	<u>3311</u>	<u>68</u>	<u>Lime, Dolomite</u>	<u>2580 3</u>
<u>3311</u>	<u>3326</u>	<u>15</u>	<u>Lime</u>	<u>2639 2-1/2</u>
<u>3326</u>	<u>3340</u>	<u>14</u>	<u>Sand</u>	<u>2700 1-3/4</u>
<u>3340</u>	<u>3348</u>	<u>8</u>	<u>Lime</u>	<u>2793 2</u>
<u>3348</u>	<u>3354</u>	<u>6</u>	<u>Sand</u>	<u>2849 1-3/4</u>
<u>3354</u>	<u>3366</u>	<u>12</u>	<u>Lime, Dolomite</u>	<u>3017 1-3/4</u>
<u>3366</u>	<u>3370</u>	<u>4</u>	<u>Sand</u>	<u>3112 1-1/2</u>
<u>3370</u>	<u>3387</u>	<u>17</u>	<u>Lime, Dolomite</u>	

NOTE: No D.S.T. Taken

Geological Tops

Anhydrite 1185 Queen 3082
Yates 2341 Penrose 3183

(over)

16-43094-2

