

Form 9-330

U. S. LAND OFFICE

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

Culpepper Martin, 14-D

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

U. S. GEOLOGICAL SURVEY
WASHINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Aster Oil & Gas Company Address Drawer # 570, Farmington, N.Mex.
Lessor or Tract Culpepper Martin Field West Blanco Dakota State New Mexico
Well No. 14-D Sec. 32 T. 32N R. 12W Meridian N.M.P.M. County San Juan
Location 990 ft. S. of N. Line and 990 ft. W. of E. Line of Section 32 Elevation 5921 G.L.
(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 ORIGINAL SIGNED BY JOE C. SALMON
Joe C. Salmon
Title District Superintendent

Date July 13, 1960

Title District Superintendent

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

Commenced drilling 5/19, 1960 Finished drilling 6/9/60, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3062 to 6867 (G) No. 4, from 7046 to 7090 (G)
No. 2, from 6947 to 6965 (G) No. 5, from _____ to _____
No. 3, from 6974 to 6988 (G) 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>9 5/8</u>	<u>120.00</u>	<u>8</u>	<u>API</u>	<u>200</u>	<u>API</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>Running or pumping</u>
<u>7</u>	<u>80.00</u>	<u>8</u>	<u>API</u>	<u>200</u>	<u>API</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>Running or pumping</u>
<u>4 1/2</u>	<u>11.60</u>	<u>8</u>	<u>API</u>	<u>200</u>	<u>API</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>Running or pumping</u>
<u>2 3/8</u>	<u>4.7</u>	<u>8</u>	<u>API</u>	<u>200</u>	<u>API</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>Running or pumping</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>9 5/8</u>	<u>324</u>	<u>250</u>	<u>displacement</u>		
<u>7</u>	<u>5050</u>	<u>200</u>	<u>two plug</u>		
<u>4 1/2</u>	<u>7140</u>	<u>200</u>			
<u>2 3/8</u>	<u>6866</u>	<u>—</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>Sand-water fraced with 740 lbs. water and 21,000 lbs. sand Breakdown pressure - 2600</u>						
<u>Treating pressure - 2500 I.R. - 35 bps</u>						

TOOLS USED

Rotary tools were used from 0 feet to 7176 feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 7147 feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____
The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____
If gas well, cu. ft. per 24 hours AGF - 322 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 1417

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>258</u>	<u>258</u>	<u>Surface</u>
<u>258</u>	<u>326</u>	<u>68</u>	<u>Sand & Shale</u>
<u>326</u>	<u>1192</u>	<u>866</u>	<u>Sand & Shale</u>
<u>1192</u>	<u>2200</u>	<u>1008</u>	<u>Sand & Shale</u>
<u>2200</u>	<u>2947</u>	<u>747</u>	<u>Sand & Shale</u>
<u>2947</u>	<u>3385</u>	<u>438</u>	<u>Sand & Shale</u>
<u>3385</u>	<u>3593</u>	<u>208</u>	<u>Sand & Shale</u>
<u>3593</u>	<u>3747</u>	<u>154</u>	<u>Sand & Shale</u>
<u>3747</u>	<u>3921</u>	<u>174</u>	<u>Sand & Shale</u>
<u>3921</u>	<u>4029</u>	<u>108</u>	<u>Sand & Shale</u>
<u>4029</u>	<u>4069</u>	<u>40</u>	<u>Sand</u>
<u>4069</u>	<u>4191</u>	<u>122</u>	<u>Sand & Shale</u>
<u>4191</u>	<u>4456</u>	<u>265</u>	<u>Sand & Shale</u>
<u>4456</u>	<u>4721</u>	<u>265</u>	<u>Sand & Shale</u>
<u>4721</u>	<u>4755</u>	<u>34</u>	<u>Sand</u>
<u>4755</u>	<u>4804</u>	<u>113</u>	<u>Sand & Shale</u>
<u>4804</u>	<u>4940</u>	<u>20</u>	<u>Sand & Shale</u>
<u>4894</u>	<u>4968</u>	<u>46</u>	<u>Shale</u>
<u>4940</u>	<u>5050</u>	<u>28</u>	<u>Sand & Shale</u>
<u>4968</u>	<u>5120</u>	<u>82</u>	<u>Sand & Shale</u>
<u>5050</u>	<u>6145</u>	<u>70</u>	<u>Sand & Shale</u>
<u>5120</u>	<u>6670</u>	<u>1025</u>	<u>Sand & Shale</u>
<u>6145</u>	<u>6670</u>	<u>525</u>	<u>Sand & Shale</u>
<u>6670</u>	<u>6930</u>	<u>260</u>	<u>Sand & Shale</u>
<u>6930</u>	<u>7176</u>	<u>246</u>	<u>Sand & Shale</u>

TOP OF PICKED CLIFFS - 2306 TOP OF CLIFF HOUSE - 3933 TOP OF POINT LOOKOUT - 4640
TOP OF DAKOTA - 6869 TOP OF GREENHORN - 6752

U.S. LAND OFFICE

Serial Number

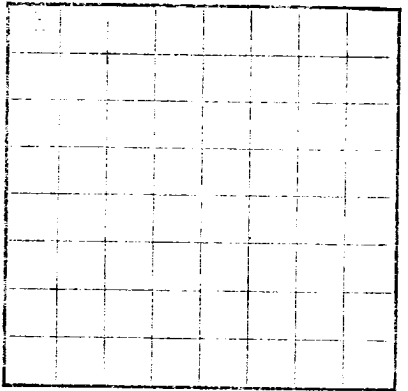
Lease or Permit to Prospect

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Company

Lessor or Trust

Well No.

Location

Sec. T. R. S. 40 Meridian

County

State

Elevation

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

Title

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

Commenced drilling

Finished drilling

19

OIL OR GAS SANDS OR ZONES

(Indicate gas by G)

No. 1, from

No. 2, from

No. 3, from

No. 4, from

No. 5, from

No. 6, from

No. 7, from

No. 8, from

No. 9, from

No. 10, from

IMPORTANT WATER SANDS

No. 1, from

No. 2, from

No. 3, from

No. 4, from

No. 5, from

No. 6, from

No. 7, from

No. 8, from

No. 9, from

No. 10, from

CASING RECORD

Casing

Weight

Per foot

Size

Thread

Per inch

Make

Amount

Kind of shoe

Cut and pulled from

From

To

Purpose

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 bridges or bridges were put in the well for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

MUDGING AND CEMENTING RECORD

Cement

Where set

Number sacks of cement

Method used

Mud gravity

Amount of mud used

PLUGS AND ADAPTERS

Adapter—

Size

Length

Depth set

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 and from

feet to

feet and from

feet to

feet and from

feet to

feet and from

feet to

feet and from

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feet and from

DATES

The production for the first 24 hours was

emulsion; % water; and % sediment.

If gas well, cu. ft. per 24 hours

Rock pressure, lbs. per sq. in.

Put to producing

% was oil; %

Gravity, °Be.

Galons gasoline per 1,000 cu. ft. of gas

Driller

Driller

Driller

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FORMATION RECORD

FROM

TO

TOTAL FEET

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FORMATION RECORD—Continued