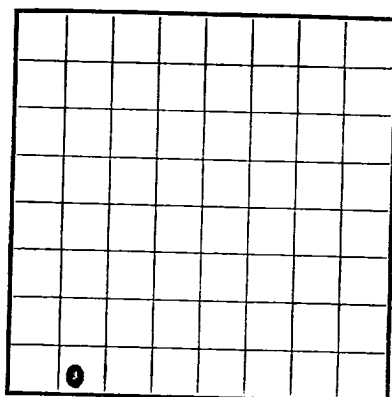
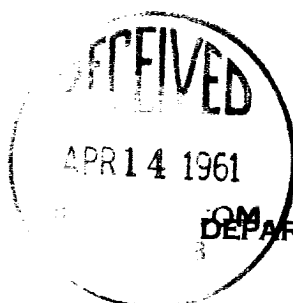




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU. S. LAND OFFICE San Juan
SERIAL NUMBER 2 077632
LEASE OR PERMIT TO PROSPECT East

LOG OF OIL OR GAS WELL

Company Artes Oil and Gas Company Address Box 4 570, Farmington, N.M.
Lessor or Tract East Field Manuel-Monrovia State New Mexico
Well No. 5 Sec. 24 T. 31N R. 13W Meridian N.M. County San Juan
Location 990 ft. N. of 8 Line and 1670 E. of 4 Line of Section 24 Elevation 6061 S.L.

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

Date April 11, 1961Title Joe C. Salmon
District Superintendent

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

~~No-Entered well-~~
Commenced drilling 2/6/61, 1961 Finished drilling 2/28/61, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6900 to 6904 (G) No. 4, from 7132 to 7150 (G)
No. 2, from 7056 to 7080 (G) No. 5, from 4882 to 4910 (G)
No. 3, from 7110 to 7116 (G) No. 6, from 4902 to 4944 (G)
4976 4972 (G)

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>4 1/2</u>	<u>2.7</u>	<u>3</u>	<u>3-5</u>	<u>704</u>	<u>3-5</u>	<u>4976</u>			
<u>2 3/8</u>	<u>2.3</u>	<u>3</u>	<u>3-5</u>	<u>4976</u>					
<u>1 1/2</u>									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>4 1/2</u>	<u>4611-7230</u>	<u>350</u> <u>sz.</u> <u>(as liner)</u>	<u>spaced top of liner with 200 sz.</u>		
<u>2 3/8</u>	<u>7084</u>				
<u>1 1/2</u>	<u>4882</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
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Before- Flashed with 42,000 sz. 24, 134 gals. water, Flashed with 13,304 gals. water
Breakdown pt.- 2700, Shooting pt.- 2700, I.R.- 42.9 lpm shot in pt.- 1350
Monrovia- Flashed with 70,000 sz. 30,700 gals. water, Flashed with 5,000 gals. water
Breakdown pt.- 1800, Maximum - 3000, Shooting pt.- 1750, I.R.- 57.1 lpm

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to 7230 feet, and from 7215 feet to _____ feet

DATES

3/19/61, 1961 Put to producing _____, 1961

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 Monrovia- 2,000-250 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. Dakota A.G.F. 2296
N.V.- 961, 1007

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>4825</u>	<u>4919</u>	<u>94</u>	<u>sand and shale</u>
<u>4919</u>	<u>5135</u>	<u>216</u>	<u>sand and shale</u>
<u>5135</u>	<u>5271</u>	<u>136</u>	<u>shale</u>
<u>5271</u>	<u>5602</u>	<u>331</u>	<u>sand and shale</u>
<u>5602</u>	<u>5762</u>	<u>160</u>	<u>sand and shale</u>
<u>5762</u>	<u>5934</u>	<u>172</u>	<u>shale</u>
<u>5934</u>	<u>6066</u>	<u>132</u>	<u>sand and shale</u>
<u>6066</u>	<u>6570</u>	<u>504</u>	<u>shale</u>
<u>6570</u>	<u>6869</u>	<u>299</u>	<u>sand and shale</u>
<u>6869</u>	<u>6935</u>	<u>66</u>	<u>shale</u>
<u>6935</u>	<u>6979</u>	<u>44</u>	<u>sand and shale</u>
<u>6979</u>	<u>7039</u>	<u>60</u>	<u>sand</u>
<u>7039</u>	<u>7053</u>	<u>14</u>	<u>sand and shale</u>
<u>7053</u>	<u>7065</u>	<u>12</u>	<u>sand</u>
<u>7065</u>	<u>7230</u>	<u>165</u>	<u>sand and shale</u>

CHENOWETH- 6057
DAKOTA - 6978

FROM—

TO—

TOTAL FEET

FORMATION

FORMATION RECORD—CONTINUED

16-43064-5

