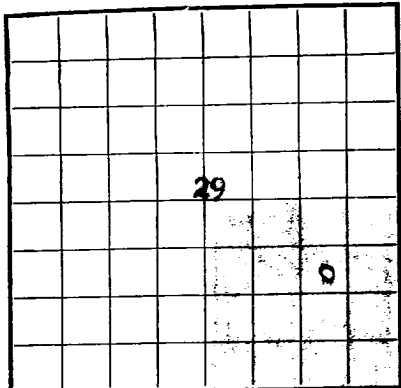
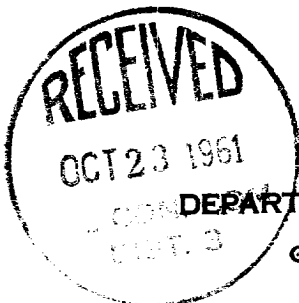


Form 9-330

U. S. LAND OFFICE S Santa Fe
SERIAL NUMBER SF 079352-A
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shar-Alan Oil Company Address 1402 Denver U.S. National Center
Lessor or Tract Harrington-Federal Field Undesignated State New Mexico
Well No. 4 Sec. 29 T. 24N R. 1W Meridian NMPM County Rio Arriba
Location 1650 ft. N of S Line and 990 ft. E of E Line of SE/4 Elevation 7396

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 Richard S. Hunt Title Manager of Lands and Exploration

Date October 3, 1961

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

Commenced drilling April 23, 1961 Finished drilling April 29, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3127' to 3138' No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 2730' to 2972' 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>1 1/2"</u>	<u>2.54</u>	<u>8V</u>	<u>HIS 1523</u>	<u>105'</u>	<u>OK</u>	<u>CV2 MET</u>	<u>3127'</u>	<u>3138'</u>	<u>Production</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>3 5/8"</u>	<u>105'</u>	<u>75</u>	<u>Haliburton</u>		
<u>4 1/2"</u>	<u>3160'</u>	<u>100</u>	<u>Haliburton</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 0 feet to 3154 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

August 26, 1961 Put to producing Shut-in, no pipeline, 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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Rayco Drilling Company, Driller _____, Driller _____
Farmington, New Mexico, Driller _____, Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>Water Sand</u>	<u>2814-3022</u>		<u>Subject well perforated July 15, 1961</u> <u>3127-3132 with 20 holes, and 3138-3144</u> <u>with 24 holes. We fraced with 22,000#</u> <u>sand and 34,000 gallons water.</u> <u>Breakdown pressure 800#. Treatment</u> <u>pressure 1400#. Injection rate 48 BPM.</u> <u>Ran 1" tubing to 31232. Cleaned up well.</u> <u>Ran 3 hour back pressure test August 26,</u> <u>1961. Test 3168.</u>
<u>Ojo Alamo</u>	<u>2814'</u>		
<u>Kirtland</u>	<u>3022'</u>		
<u>Fruitland</u>	<u>3096'</u>		
<u>Pictured</u>			
<u>Cliffs</u>	<u>3119'</u>		
<u>Lewis</u>	<u>3150'</u>		
<u>2 Prints of Electric Log mailed under separate cover.</u>			
FROM—	TO—	TOTAL FEET	FORMATION

FORMATION RECORD—Continued

PLEASE PRINT OR TYPE IN BLOCK CAPITALS

SERIAL NUMBER.....
U.S. LAND OFFICE.....
DATE OF PERMIT TO PROSPECT.....

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

A 10x10 grid with two handwritten numbers: '5' in the center and '6' in the lower-left area.

LOCATE WELL CORRECTLY

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 _____

This document is a true and correct copy of the original as filed in the office of the State Engineer at _____

Date _____

Well No. _____ Sec. _____ Twp. _____ R. _____ Meridian _____

Location _____ ft. N. of _____ lane and _____ ft. W. of _____ line of _____

Elevation _____

County _____ State _____

Lessor or Trustee _____

Company _____

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

[illegible]

OIL OR GAS SANDS OR ZONES

(Derote das by Q)

No. 1, from	No. 1, from
No. 2, from	No. 2, from
No. 3, from	No. 3, from
No. 4, from	No. 4, from
No. 5, from	No. 5, from
No. 6, from	No. 6, from

IMPORTANT WATER SANDS

No. 3 from _____ to _____
No. 4 from _____ to _____

CASING RECORD

[illegible]

HISTORICAL RECORD OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

Heaving plug	Material	Length	Depth set
Adapters—Material	Size		

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from	feet to	feet and from	feet to
Cable tools were used from	feet to	feet and from	feet to

DATE

It was well cut by the 24 hours	emulsion; 100% water and 0% sediment	Gravimetrically, 0.04%	Galtons measure per 1,000 m. ft. of gas
The production for the first 24 hours was	bars of fluid of which 0% was oil:	Put to producing 0.19	

EMPLOYERS

Director	Director
Director	Director

FORMATION RECORD

[illegible]