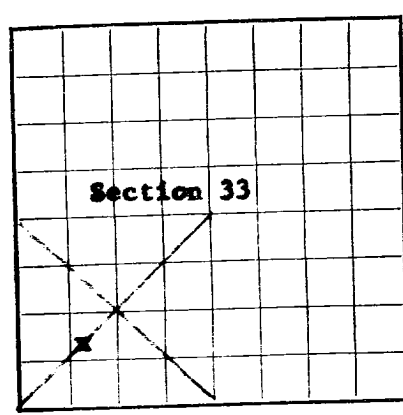


U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **MM 052661**
LEASE OR PERMIT TO PROSPECT

Form 9-330



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 **Tamara-Federal** Field **So Blanco PC** State **New Mexico**
Well No. **1** Sec. **33** T. **24N** R. **2W** Meridian **NMPM** County **Rio Arriba**
Location **1850** ft. [N.] of **S** Line and **836** ft. [E.] of **W** Line of **SW/4** Elevation **7227**
(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 **Richard S. Hunt**

Date **September 30, 1963** Title **Mgr. of Lands & Explorations**

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

Commenced drilling **3-28-63**, 19... Finished drilling **4-1-63**, 19...

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2961** to **2971 (g)** No. 4, from to
No. 2, from **2998** to **3006 (g)** No. 5, from to
No. 3, from to 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—	
8-5/8"	24.4	8Y	BP	100'			2961	2971	Prod.
4-1/2"	10.0	8Y	BP	3000			2961	3006	Prod.
1-1/4"	2.40	8Y	BP	2958'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	100'	60	Ballburton		
4-1/2"	3080'	75			

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 **3150** feet, and from feet to feet
Cable tools were used from feet to 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 **2384** Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. **959**

EMPLOYEES

Rayco Drilling Company, Driller , Driller
Farminston, New Mexico, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
2685	2793	108	Ojo Alamo
2794	2888	94	Kirtland
2889	2963	74	Fruitland
2963	3006	43	Pictured Cliffs
	3150		Total depth

Perforated as shown above. Frac treated down casing with 30,000# sand and 32,000 gallons water. Breakdown pressure 2200 psi. Instant shut-in pressure 400 psi. Injection rate 38 BPM. Ran 1 1/4" tubing to 2958'.
Ran 3 hr. Back Pressure test 9-12-63. Charts attached.

(OVER)

FARMINGTON DISTRICT—CONTINUED

16-48094-4

