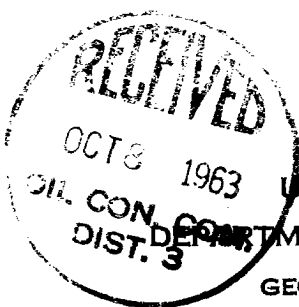


LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **NM 070362**
LEASE OR PERMIT TO PROSPECTUNITED 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 **Consales-Federal** Field **So Blanco PC** State **New Mexico**
Well No. **1** Sec. **34** T. **24N** R. **2W** Meridian **NMPM** County **Rio Arriba**
Location **790** ft. **N** of **S** Line and **1850** ft. **E** of **E** Line of **SE/4** Elevation **7369**
(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 **5-6-63**, 19... Finished drilling **5-12-63**, 19...

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3174** to **3227** 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 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"	26	8	CHI	100'			3174	3184	Produced
4 1/2"	13.3	8	CHI	3259'			3184	3227	Produced
1 1/4"	3.4	8	CHI	3259'			3227	3244	Produced

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	Halliburton		
4 1/2"	3259'	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 **3270** 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 **1506 MCF** Gallons gasoline per 1,000 cu. ft. of gasRock pressure, lbs. per sq. in. **798**

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
3016	3124	108	Kirtland
3124	3182	58	Fruitland
3182	3270TD	88	Pictured Cliffs

Perforated as shown above with 2 shots per foot. Frac treated down casing with 30,000# 20-40 sand and 30,000 gallons water. Breakdown pressure 900. Treating pressure 1600-2000. Dropped 10 balls. Instant shut-in 400. Injection rate 32. Ran 1 1/4" tubing, 97 joints. Landed 3104'.

3 hr Back Pressure test ran 8-6-63. Charts Attached.