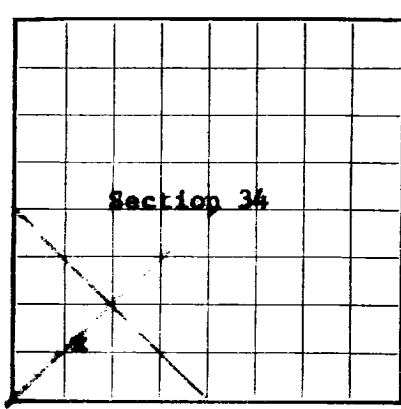


U. S. LAND OFFICE **Santa Fe**SERIAL NUMBER **SF 079429**

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company **Sher-Alan Oil Company** Address **1402 Denver U. S. National Center**Lessor or Tract **XXXXXXX Buzzy-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)_(S) of **S** Line and **790** ft. ^(E)_(W) of **W** Line of **SW/4** Elevation **7235**
(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 **4-12-63**, 19 Finished drilling **4-19-63**, 19

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3054** to **3062 (g)** No. 4, from toNo. 2, from **3079** to **3097 (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"	240	8V	CPI	95'					
4-1/2"	95	8V	CPI	3104'					
1-1/4"	240	8V	CPI	3040'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	95'	60	Caliburton		
4-1/2"	3104'	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 **3200** feet, and from feet to feet

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

DATES

Put to producing

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 **1583 mcf** Gallons gasoline per 1,000 cu. ft. of gasRock pressure, lbs. per sq. in. **875**

EMPLOYEES

Driller

Driller

Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
2708	2909		Ojo Alamo
2910	2992		XXXXXXX Kirtland
2993	3059		Fruitland
3060	3097		Pictured Cliffs
	3200 TD		

Perforated as shown above with 2 shots per foot. Frac treated down casing with 30,000# 20-40 sand and 33,600 gallons water. Breakdown pressure 1500. Treating pressure 1300-1800. Dropped 10 balls. Instant shut-in pressure 1300. Injection rate 35.1. Ran 95 joints 1 1/4" tubing, landed 3040'.

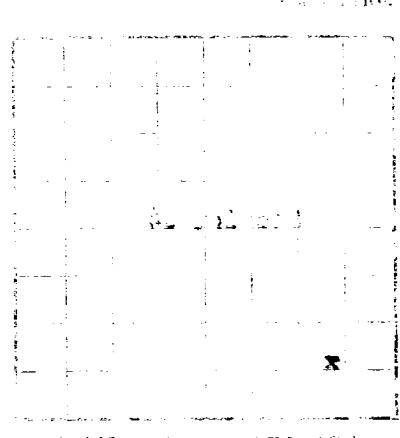
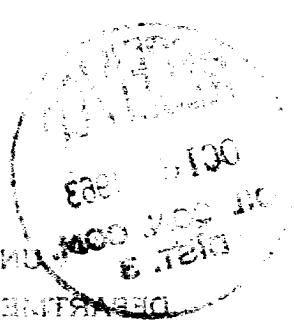
Ran 3 hr back pressure test 8-6-63. Charts attached.

(OVER)

FORMATION RECORD—CONTINUATION

U.S. GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
WASHINGTON, D.C.

U.S. GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
WASHINGTON, D.C.



LOG OF OIL OR GAS WELL

General description of the well, including its location, depth, and the nature of the formation penetrated. The log should be made in detail, showing the character of the rock, the thickness of the layers, and the position of the oil or gas. It should also show the results of the tests made, and the nature of the fluid obtained. The log should be made in detail, showing the character of the rock, the thickness of the layers, and the position of the oil or gas. It should also show the results of the tests made, and the nature of the fluid obtained.

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 holes. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

FROM-	TO-	TOTAL FEET	FORMATION
0	100	100	Gravelly sandstone
100	200	200	Sandstone
200	300	300	Sandstone
300	400	400	Sandstone
400	500	500	Sandstone
500	600	600	Sandstone
600	700	700	Sandstone
700	800	800	Sandstone
800	900	900	Sandstone
900	1000	1000	Sandstone
1000	1100	1100	Sandstone
1100	1200	1200	Sandstone
1200	1300	1300	Sandstone
1300	1400	1400	Sandstone
1400	1500	1500	Sandstone
1500	1600	1600	Sandstone
1600	1700	1700	Sandstone
1700	1800	1800	Sandstone
1800	1900	1900	Sandstone
1900	2000	2000	Sandstone
2000	2100	2100	Sandstone
2100	2200	2200	Sandstone
2200	2300	2300	Sandstone
2300	2400	2400	Sandstone
2400	2500	2500	Sandstone
2500	2600	2600	Sandstone
2600	2700	2700	Sandstone
2700	2800	2800	Sandstone
2800	2900	2900	Sandstone
2900	3000	3000	Sandstone
3000	3100	3100	Sandstone
3100	3200	3200	Sandstone
3200	3300	3300	Sandstone
3300	3400	3400	Sandstone
3400	3500	3500	Sandstone
3500	3600	3600	Sandstone
3600	3700	3700	Sandstone
3700	3800	3800	Sandstone
3800	3900	3900	Sandstone
3900	4000	4000	Sandstone
4000	4100	4100	Sandstone
4100	4200	4200	Sandstone
4200	4300	4300	Sandstone
4300	4400	4400	Sandstone
4400	4500	4500	Sandstone
4500	4600	4600	Sandstone
4600	4700	4700	Sandstone
4700	4800	4800	Sandstone
4800	4900	4900	Sandstone
4900	5000	5000	Sandstone
5000	5100	5100	Sandstone
5100	5200	5200	Sandstone
5200	5300	5300	Sandstone
5300	5400	5400	Sandstone
5400	5500	5500	Sandstone
5500	5600	5600	Sandstone
5600	5700	5700	Sandstone
5700	5800	5800	Sandstone
5800	5900	5900	Sandstone
5900	6000	6000	Sandstone
6000	6100	6100	Sandstone
6100	6200	6200	Sandstone
6200	6300	6300	Sandstone
6300	6400	6400	Sandstone
6400	6500	6500	Sandstone
6500	6600	6600	Sandstone
6600	6700	6700	Sandstone
6700	6800	6800	Sandstone
6800	6900	6900	Sandstone
6900	7000	7000	Sandstone
7000	7100	7100	Sandstone
7100	7200	7200	Sandstone
7200	7300	7300	Sandstone
7300	7400	7400	Sandstone
7400	7500	7500	Sandstone
7500	7600	7600	Sandstone
7600	7700	7700	Sandstone
7700	7800	7800	Sandstone
7800	7900	7900	Sandstone
7900	8000	8000	Sandstone
8000	8100	8100	Sandstone
8100	8200	8200	Sandstone
8200	8300	8300	Sandstone
8300	8400	8400	Sandstone
8400	8500	8500	Sandstone
8500	8600	8600	Sandstone
8600	8700	8700	Sandstone
8700	8800	8800	Sandstone
8800	8900	8900	Sandstone
8900	9000	9000	Sandstone
9000	9100	9100	Sandstone
9100	9200	9200	Sandstone
9200	9300	9300	Sandstone
9300	9400	9400	Sandstone
9400	9500	9500	Sandstone
9500	9600	9600	Sandstone
9600	9700	9700	Sandstone
9700	9800	9800	Sandstone
9800	9900	9900	Sandstone
9900	10000	10000	Sandstone

FORMATION RECORD—Continued