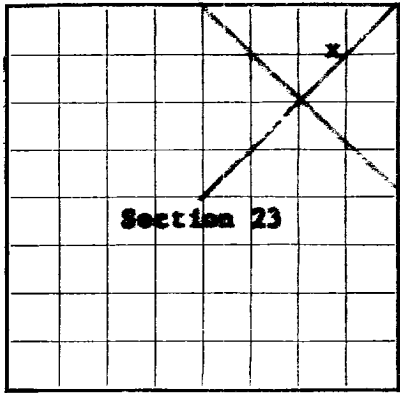




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER _____
LEASE OR PERMIT TO PROSPECT _____
Jic. Tribal Oil & Gas Lease
No. 163

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Shar-Alan Oil Company** Address **1402 Denver B. B. Bldg. Center**
Lessor or Tract **Jicarilla "I" No. 163** Field **Undesignated** State **New Mexico**
Well No. **1** Sec. **23** T. **23N** R. **2W** Meridian **NMPM** County **Sandoval**
Location **790** ft. **NE** of **N** Line and **790** ft. **W** of **E** Line of **NE/4** Elevation **7900.7**
(Berrick Rock 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 **Michael 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 **10-28-62**, 19____ Finished drilling **11-1-62**, 19____

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from **2994** to **3015** 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"	24.4	8V	GFI	94'			2986	2992	Prod.
4	1 1/2"	31.58	8V	GFI	3117'			2992	3005	Prod.
1	1 1/4"	24.04	8V	GFI	3005			3005	3015	Prod.

MUDDING AND CEMENTING RECORD

	Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8	5/8"	94'	60	Halliburton		
4	1 1/2"	3117'	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 **3125'** 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 **1374 MCF** Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. **847**

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
2615	2818	203	Ojo Alamo
2818	2956	138	Kirtland
2956	2990	46	Fruitland
2992	3026	34	Pictured Cliffs
	3125 TD		

Perforated as shown above. Frac treated down casing with 30,000# sand and 33,600
gallons of water. Breakdown pressure 900. Treating pressure 2200. Dropped 20 balls.
Instant shut-in pressure 200. Injection rate 41 BPM. Ran 93 joint of 1 1/4" tubing.
Landed 3005.

3 hr. Back Pressure test run 9-21-63. Charts attached.

