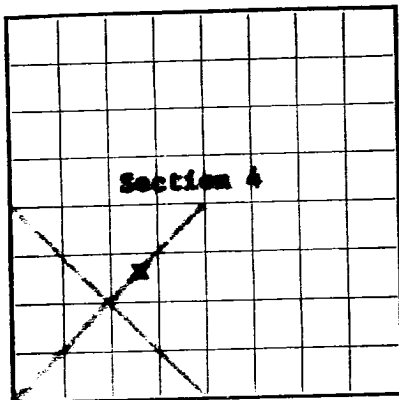
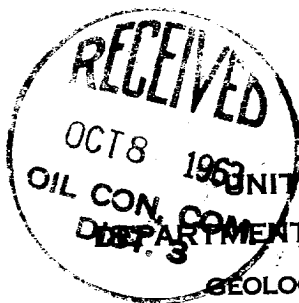




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER _____
LEASE OR PERMIT TO PROSPECT _____
Jic. Tribal Oil & Gas Lease No. 157
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 **Jicarilla "K" No. 157** Field **Undesignated** State **New Mexico**
Well No. **3** Sec. **4** T. **23N** R. **2W** Meridian **NMPM** County **Rio Arriba**
Location **1850** ft. **N.** of **S** Line and **1850** ft. **E.** of **W** Line of **SW/4** Elevation **7332**
(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 **6-1-63**, 19____ Finished drilling **6-5-63**, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3027** to **3052** 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"	244	8	QFB	93'			3027	3031	Prod
4 1/2"	9.59	8	QFB	3142			3033	3041	Prod
1 1/4"	2.407	8	QFB	3041			3045	3052	Prod

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	93'	60	Halliburton		
4 1/2"	3142	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 **3135** 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____

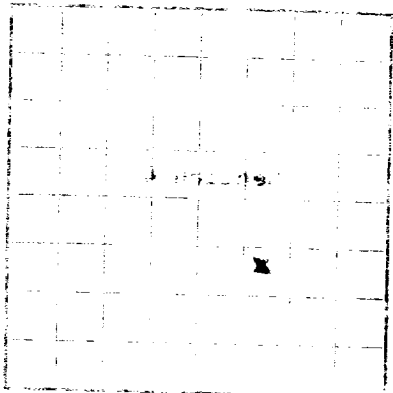
The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____If gas well, cu. ft. per 24 hours **3983 MCF** Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. **969**

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
2650	2859		Ojo Alamo
2860	2971		Kirtland
2971	3024		Fruitland
3025	3155 TD		Pictured Cliffs
Frac treated down 4 1/2" casing with 30,000# 20-40 sand and 28,000 gallons water. Breakdown pressure 2600 . Treating pressure 2400 . Dropped 10 balls. Instant shut-in pressure 500 . Injection rate 38.5 BPH . Ran 94 joints 1 1/4" tubing. Landed 3041' .			
3 hr Back Pressure Test ran 9-21-63 . Charts attached.			



LOCATE WELL BY GRID

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES

Company Name _____
Address _____
Location _____
The information given in this log is a complete and correct record of all work done on the well from the time it was first drilled to the present time.

Date _____
The summary of this log is the condition of the well as shown on the following pages.

LOG OF GAS SANDS OR OIL

(Please write in)

No. 1 from _____
No. 2 from _____
No. 3 from _____
No. 4 from _____

IMPORTANT WATER SANDS

No. 1 from _____
No. 2 from _____
No. 3 from _____
No. 4 from _____

CHART RECORD

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of drilling, 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 "stretched" or left in the well, give its size and location. If the well has been dynamited, give date, position, and number of shots. If pipes or bridges were put in to test for water, state kind of material used, position, and results of pumping or testing.

HISTORY OF OIL OR GAS WELL

FORMATION RECORD			
FROM-	TO-	TOTAL FEET	FORMATION
0.00	1.00	1.00	Shale
1.00	2.00	2.00	Sandstone
2.00	3.00	3.00	Shale
3.00	4.00	4.00	Sandstone
4.00	5.00	5.00	Shale
5.00	6.00	6.00	Sandstone
6.00	7.00	7.00	Shale
7.00	8.00	8.00	Sandstone
8.00	9.00	9.00	Shale
9.00	10.00	10.00	Sandstone
10.00	11.00	11.00	Shale
11.00	12.00	12.00	Sandstone
12.00	13.00	13.00	Shale
13.00	14.00	14.00	Sandstone
14.00	15.00	15.00	Shale
15.00	16.00	16.00	Sandstone
16.00	17.00	17.00	Shale
17.00	18.00	18.00	Sandstone
18.00	19.00	19.00	Shale
19.00	20.00	20.00	Sandstone
20.00	21.00	21.00	Shale
21.00	22.00	22.00	Sandstone
22.00	23.00	23.00	Shale
23.00	24.00	24.00	Sandstone
24.00	25.00	25.00	Shale
25.00	26.00	26.00	Sandstone
26.00	27.00	27.00	Shale
27.00	28.00	28.00	Sandstone
28.00	29.00	29.00	Shale
29.00	30.00	30.00	Sandstone
30.00	31.00	31.00	Shale
31.00	32.00	32.00	Sandstone
32.00	33.00	33.00	Shale
33.00	34.00	34.00	Sandstone
34.00	35.00	35.00	Shale
35.00	36.00	36.00	Sandstone
36.00	37.00	37.00	Shale
37.00	38.00	38.00	Sandstone
38.00	39.00	39.00	Shale
39.00	40.00	40.00	Sandstone
40.00	41.00	41.00	Shale
41.00	42.00	42.00	Sandstone
42.00	43.00	43.00	Shale
43.00	44.00	44.00	Sandstone
44.00	45.00	45.00	Shale
45.00	46.00	46.00	Sandstone
46.00	47.00	47.00	Shale
47.00	48.00	48.00	Sandstone
48.00	49.00	49.00	Shale
49.00	50.00	50.00	Sandstone
50.00	51.00	51.00	Shale
51.00	52.00	52.00	Sandstone
52.00	53.00	53.00	Shale
53.00	54.00	54.00	Sandstone
54.00	55.00	55.00	Shale
55.00	56.00	56.00	Sandstone
56.00	57.00	57.00	Shale
57.00	58.00	58.00	Sandstone
58.00	59.00	59.00	Shale
59.00	60.00	60.00	Sandstone
60.00	61.00	61.00	Shale
61.00	62.00	62.00	Sandstone
62.00	63.00	63.00	Shale
63.00	64.00	64.00	Sandstone
64.00	65.00	65.00	Shale
65.00	66.00	66.00	Sandstone
66.00	67.00	67.00	Shale
67.00	68.00	68.00	Sandstone
68.00	69.00	69.00	Shale
69.00	70.00	70.00	Sandstone
70.00	71.00	71.00	Shale
71.00	72.00	72.00	Sandstone
72.00	73.00	73.00	Shale
73.00	74.00	74.00	Sandstone
74.00	75.00	75.00	Shale
75.00	76.00	76.00	Sandstone
76.00	77.00	77.00	Shale
77.00	78.00	78.00	Sandstone
78.00	79.00	79.00	Shale
79.00	80.00	80.00	Sandstone
80.00	81.00	81.00	Shale
81.00	82.00	82.00	Sandstone
82.00	83.00	83.00	Shale
83.00	84.00	84.00	Sandstone
84.00	85.00	85.00	Shale
85.00	86.00	86.00	Sandstone
86.00	87.00	87.00	Shale
87.00	88.00	88.00	Sandstone
88.00	89.00	89.00	Shale
89.00	90.00	90.00	Sandstone
90.00	91.00	91.00	Shale
91.00	92.00	92.00	Sandstone
92.00	93.00	93.00	Shale
93.00	94.00	94.00	Sandstone
94.00	95.00	95.00	Shale
95.00	96.00	96.00	Sandstone
96.00	97.00	97.00	Shale
97.00	98.00	98.00	Sandstone
98.00	99.00	99.00	Shale
99.00	100.00	100.00	Sandstone