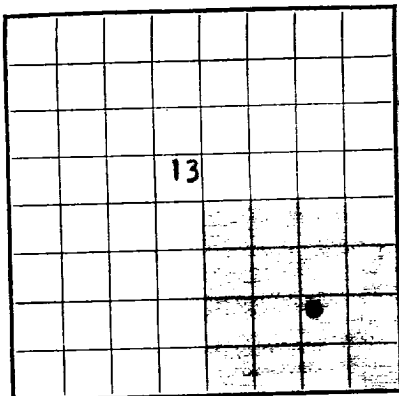
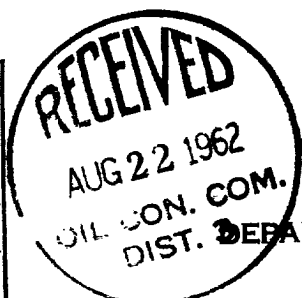




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Dulce, New Mexico

SERIAL NUMBER _____

LEASE OR PERMIT TO PROSPECT _____

Lic. Tribal O & G Lease No. 160

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 No. 160 Field Undesignated PC State New Mexico
Well No. 2-F Sec. 13 T. 23N R. 2W Meridian NMPM County Rio Arriba
Location 990 ft. (N.) of S Line and 990 ft. (W.) of E Line of SE/4 Elevation 7328
(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 _____

Title Mgr. of Lands & ExplorationsDate August 10, 1962

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

Commenced drilling 6-23-62, 19____ Finished drilling 6-26-62, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2980 to 3014' (g) 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"	20.4	8.54	CHI	100'			2981	3015	Prod.
4 1/2"	12.3	8.75	CHI	3075'					
1 1/2"	2.3	8.75	CHI	3026'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	100'	125X 60	Halliburton		
4 1/2"	3075'	100			

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 3075 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 6009 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 923

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
	2750' 2853' 2958' 2980-3014'		Ojo Alamo Kirtland Fruitland Pictured Cliffs
			Subject well sand fraced with 40,000 gallons of water and 40,000# of sand.
			3hr back pressure test run on 8-3-62.
			Charts attached

PLEASE OR PERMIT TO PROSPECT
SERIAL NUMBER
U. S. LAND OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

[illegible]

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 _____

Location ft.

S.	N.
W.	E.

 of _____ ft. _____ of _____ Line of _____ Elevation _____

Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____ County _____

Lessor or Tract _____

Field _____ State _____

Address _____ Company _____

Commenced drilling _____, 19____ Finished drilling _____, 19____
The summary on this page is for the condition of the well at above date.
Date _____ Title _____

OIL OR GAS SANDS OR ZONES

(Derote das pi G)

No. 3, from	to	No. 1, from	to
No. 2, from	to	No. 3, from	to
No. 1, from	to	No. 4, from	to

IMPORTANT WATER SANDS

No. 1, from to
No. 2, from to
No. 3, from to
No. 4, from to

CASING RECORD

Case No.	Size	Weight	Thrusts per inch	Make	Amount	Kind of shoe	Cut and pulled from	From	To	Purposes
1	12 in.	100 lbs.	10	W. & A. M.	100	1/2 in. x 1/2 in.	100	100	100	For pumping and hauling.
2	12 in.	100 lbs.	10	W. & A. M.	100	1/2 in. x 1/2 in.	100	100	100	For pumping and hauling.
3	12 in.	100 lbs.	10	W. & A. M.	100	1/2 in. x 1/2 in.	100	100	100	For pumping and hauling.
4	12 in.	100 lbs.	10	W. & A. M.	100	1/2 in. x 1/2 in.	100	100	100	For pumping and hauling.
5	12 in.	100 lbs.	10	W. & A. M.	100	1/2 in. x 1/2 in.	100	100	100	For pumping and hauling.
6	12 in.	100 lbs.	10	W. & A. M.	100	1/2 in. x 1/2 in.	100	100	100	For pumping and hauling.
7	12 in.	100 lbs.	10	W. & A. M.	100	1/2 in. x 1/2 in.	100	100	100	For pumping and hauling.
8	12 in.	100 lbs.	10	W. & A. M.	100	1/2 in. x 1/2 in.	100	100	100	For pumping and hauling.
9	12 in.	100 lbs.	10	W. & A. M.	100	1/2 in. x 1/2 in.	100	100	100	For pumping and hauling.
10	12 in.	100 lbs.	10	W. & A. M.	100	1/2 in. x 1/2 in.	100	100	100	For pumping and hauling.

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]

PLUGS AND ADAPTERS

	Adapters—Material	Size	Heaving plug—Material	Length	Doubt set

SHOOTING RECORD

[illegible]

TOOLS USED

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

DATE

[illegible]

EMPLOYEES

Driller	Driller	Driller	Driller
Driller	Driller	Driller	Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION