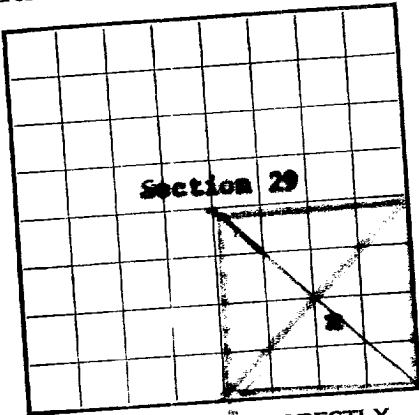


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER _____
LEASE OR PERMIT TO PROSPECT _____Jic. Tribal Oil & gas Lease No. 166
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MAY 1 1964

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Sher-Alan Oil Company Address 1402 Denver U. S. Nat'l Center
 Lessor or Tract Jicarilla "R" No. 166 Field Undesignated State New Mexico
 Well No. 1 Sec. 29 T 23N R 2W Meridian NM County Sandoval
 Location 1780 ft. [N.] of S Line and 990 ft. [E.] of E Line of SE/4 Elevation 7354
 (Derrick floor relative to _____)

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 Title Mgr. of Lands & Explorations
 ORIGINAL SIGNED BY
 RICHARD S. HUNT

Date September 30, 1963

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

Commenced drilling 7-15-63, 19____ Finished drilling 7-22-63, 19____

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

No. 1, from 2942 to 2958 (G) No. 4, from _____
 No. 2, from _____ to _____ No. 5, from _____
 No. 3, from _____ to _____ No. 6, from _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____
 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"	26.0	8	CPI	100	100	100	100	100	100
4 1/2"	13.0	8	CPI	100	100	100	100	100	100
1 1/4"	3.0	8	CPI	100	100	100	100	100	100

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	Ballston		
4 1/2"	3015	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 3025 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing _____, 19____
 barrels of fluid of which _____% was oil; _____%
 Gravity, °Bé. _____
 Gallons gasoline per 1,000 cu. ft. of gas _____
 The production for the first 24 hours was _____
 emulsion; _____% water; and _____% sediment.
 If gas well, cu. ft. per 24 hours 1353
 Rock pressure, lbs. per sq. in. 13

EMPLOYEES

Mayco Drilling Company, Driller
Farlington, New Mexico, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
2602	2738		Ojo Alamo
2738	2880		Kirtland
2880	2933		Fruitland
2933	2958		Pictured Cliffs
	3025		Total depth

Perforated as shown above with one hole per foot. Frac treated down casing with 30,000 gal 20-40 sand and 33,500 gallons water. Breakdown pressure 1600. Treatment pressure 2000-1900. Dropped 3 balls. Instant shut-in pressure 500. Injection rate 38 BPM. Ran 1 1/4" tubing, 91 joints, landed at 3005.

3 hr back pressure test run

Charts attached.

FORMATION RECORD—Continued

TOP OF OIL OR GAS WELL

The summary on this page is for the following:

Continued drilling _____

OIL OR GAS SANDS OR ZONES
(Indicate as per G)

No. 1 from _____
No. 2 from _____
No. 3 from _____
No. 4 from _____
No. 5 from _____
No. 6 from _____
No. 7 from _____
No. 8 from _____
No. 9 from _____
No. 10 from _____

IMPORTANT WATER SANDS

No. 1 from _____
No. 2 from _____
No. 3 from _____
No. 4 from _____
No. 5 from _____
No. 6 from _____
No. 7 from _____
No. 8 from _____
No. 9 from _____
No. 10 from _____

FINISHED DRILLING _____

DATE _____

HISTORY OF OIL OR GAS WELL

No. _____

U.S. GOVERNMENT PRINTING OFFICE 4-8064-2

[illegible]