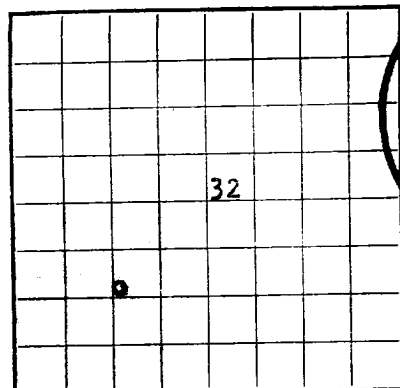


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER NM 036224
LEASE OR PERMIT TO PROSPECT entry

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 Crane-Federal Field SBlance Pictured Butte New Mexico
 Well No. 4 Sec. 32 T. 24N R. 1W Meridian NMPM County Rio Arriba
 Location 1750 ft. {N.} of S Line and 1450 ft. {E.} of W Line of SW/4 Elevation 7612
 (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. [Signature]

Date August 10, 1962 Title Mgr. of Lands & Explorations

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

Commenced drilling 6-23-62, 1962 Finished drilling 6-29-62, 1962

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3300 to 3312 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. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	92'	60			
4 1/2"	3356'	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 3420 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 2177 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 640

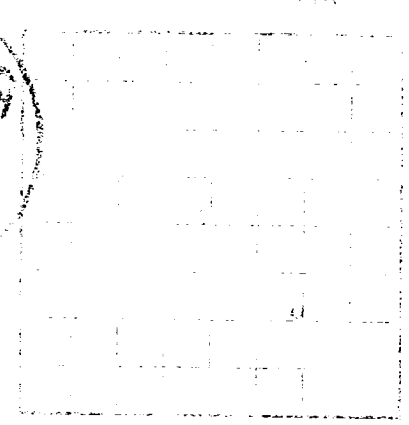
EMPLOYEES

James H. Co., Driller _____, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
	3120'		Ojo Alamo
	3190'		Kirtland
	3275'		Fruitland
	3285'		Top of coal
	3300-3312		Pictured Cliffs Sand
			Subject well was sand-fraced on July 13, with 30,000# sand and 35,000 gallons of w
			Perforated 3303-04' with 4 holes per ft Squeezed casing with 75 sacks . Perfor 3306-26 with 2 holes per foot.
			3 hour back-pressure tes min 8-3-62 - Chas Attan



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NEW 20 30 40 50 60

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of re-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 "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. 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.

16-48084-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]

FORMATION RECORD-Continued