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LOCATE WELL CORRECTLY

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

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 So. Blanco PC State New Mexico
Well No. 5 Sec. 31 T. 24N R. 1W Meridian NMPM County Rio Arriba
Location 1580 ft. ^[N.] of S Line and 1490 ft. ^[W.] of E Line of SE/4 Elevation 7576
(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 Hunt

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 6-5-62, 1962 Finished drilling 6-11-62, 1962

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3290 to 3310(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. 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 4	5/8"	97'	60	Halliburton		
	1 1/2"	3407'	125	"		

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 3410' 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 234471 Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. 642

EMPLOYEES

Re _____, Driller _____, Driller
 Far _____, Driller _____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
3290	2984 3130 3076 3290 3310 3340		Ogo Alaska Kustland Squatters Fractured Cliffs Pictured Cliffs Sand Lamin Perforated 3319-20' with 4 holes per ft. Squeeze cemented down casing with 100 sacks Faced with 30,000 gallons of water and 30,000# of sand. Breakdown pressure 1000 psi Treating pressure 2300-2500 Instant shut-in pressure vacuum 3hr Back Pressure test run 8-28-62. Charts Attached

Year	China	India	Mexico	Pakistan	Sri Lanka
1950	~10	~15	~10	~10	~10
1960	~10	~15	~10	~10	~10
1970	~10	~15	~10	~10	~10
1980	~10	~15	~10	~10	~10
1990	~10	~15	~10	~10	~10

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 7-58084-2

FORMATION RECORD—Continued