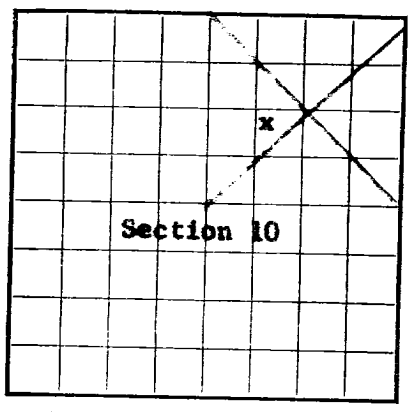
Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. Land Office Santa Fe
Serial Number
Lease or Permit to Prospect Jicarilla Tribal Oil & Gas Lease No. 157



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shar-Alan Oil Company Address 1402 Denver U. S. Nat'l Center
Lessor or Tract Jicarilla "J" No. 157 Field Undesignated State New Mexico
Well No. 1 Sec. 10 T. 23N R. 2W Meridian NMPM County Rio Arriba
Location 1650 ft. {N./S.} of S. Line and 1850 ft. {E./W.} of E. Line of NE/4 Elevation 7202
(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 10-31-62, 19 Finished drilling 11-5-62, 19

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2944 to 2952 No. 4, from to
No. 2, from 2956 to 2968 No. 5, from to
No. 3, from 2974 to 2976 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 From—	Perforated To—	Purpose
8 5/8	24#	8V	CFI	103					
4 1/2	9.5#	8V	CFI	2996'			2944	2952	Prod.
							2956	2968	Prod.
2 3/8	4.70	tubing 8V	CFI	2976			2974	2976	Prod.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	105'	60	Halliburton		
4 1/2	2994'	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 3000 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 5896 MCF Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in. 949

EMPLOYEES

Rayco Drilling Company, Driller , Driller
Farmington, New Mexico, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
2570	2787	217	Ojo Alamo
2788	2869	81	Kirtland
2870	2939	69	Fruitland
2940	2982	42	Pictured Cliffs
	3000 TD		

Perforated as set forth above. Frac treated down casing with 30,000# sand and 32,000 gallons water. Breakdown pressure 1200 psi. Treating pressure 1600-2000. Dropped 20 balls. Instant shut-in pressure 300 psi. Injection rate 39 BPM. Ran 2 3/8 upset tubing to 2976'.

Ran a 3 hr. Back Pressure Test 8-6-63. Charts attached.

[OVER]

16—48094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, 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.