Form 9-330

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

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078136
LEASE OR PERMIT TO PROSPECT [illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Ray Birnell Address 7114 Central Ave., Albuquerque, N.M.

Lessor or Tract Victor Salazar Field Allison State New Mexico

Well No. 1-27 Sec. 27 T. 25N R. 6 Meridian New Mexico County Rio Arriba

Location 1650 ft. {N. S.} of [illegible] Line and 990 ft. {E. W.} of [illegible] Line of Section 27 Elevation 6762 (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 [illegible]

Date March 14, 1958 Title [illegible]

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

Commenced drilling November 18, 19 57 Finished drilling December 24, 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2548 to 2570 No. 4, from ____ to ____

No. 2, from 3484 to 3618 No. 5, from ____ to ____

No. 3, from ____ to ____ No. 6, from ____ to ____

IMPORTANT WATER SANDS

No. 1, from 7146 to 7196 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
9 5/8	33		[illegible]	27[illegible]					Surface
5½	14		[illegible]	[illegible]					Producing
2	1.5		[illegible]	[illegible]					Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	227	200, 2% [illegible]	Pump-plug		
5½	7221	355	Pump-plug		

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 surface feet to 7221 feet, and from ____ feet to ____ feet

Cable tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet

DATES

Ran tubing January 18, 19 58 Put to producing shut-in 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 570 mcf Gallons gasoline per 1,000 cu. ft. of gas ____

Rock pressure, lbs. per sq. in. 856

EMPLOYEES

New Drilling Co., Farmington, New Mexico, Driller ____, Driller

____, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	[illegible]	[illegible]	Sand and shale
2228	[illegible]	420	Shale, [illegible]
[illegible]	[illegible]	[illegible]	Pictured Cliffs ss
[illegible]	[illegible]	910	Lewis sh
3484	[illegible]	134	Chacra ss
3618	[illegible]	588	Lewis sh
4206	[illegible]	40	Cliff House ss
4246	4845	599	Menefee fm
4845	[illegible]	195	Point Lookout ss
5040	6010	970	Mancos sh
6010	6380	370	Gallup-Dakota ss
6380	6799	419	Mancos sh
6799	6845	46	Greenhorn lm
6845	6976	131	Graneros ss and sh
6976	7221 TD	245	Dakota ss

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FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
12-25-57			Run electrical logs at final depth.
12-26-57			Cemented 5½" casing at 7221' w/350 sx regular cement.
12-30-57			Ran cement bond log; cement surface SATISFACTORY. Perforated lower zone at 7120-(illegible) w/4 shots per foot. Fractured w/15,000# sand and 20,000 gallons lease oil. Swabbed 73 hours recovering salt water w/trace of gas. Swabbed down to 3300'.
1-10-58			Lowered pump to 3800', set Hydrospace regulator at 3750', and cemented with 600 sx.
1-16-58			Perforated charge sa 3500-06, 3544-46, 3550-52, 3558-94, 3602-04, and 3604-10 w/4 shots per foot, diverfrced w/30,000 gallons of water and 20,000# sand (rubber balls).
1-18-58			Dropped water down and tested 296 mcf. Ran tubing and sucker-lines for potential test.

DRILLING AND OPERATING RECORD

Date	Depth	Drilling or operating record

CASING RECORD

Size	Weight	Threads	Depth	Cut off	Left in well	Perforations

PLUGS AND ADAPTERS

Heaving plug—Material	Length	Depth set

SHOOTING RECORD

Date	Shot from	Shot to	Quarts	Quantity	Pressure before	Pressure after

CASE FOOTS USED

Size	Kind	Depth set	Left in well	Pulled out

MEDICINE AND CHEMICAL TREATMENT RECORD

Date	Amount and kind of medicine	Treatment, whether by torpedo, acid, or chemical	Material used	Depth treated	Results

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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.

Company _____ Address _____

Lease or Farm _____ Field _____ State _____

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

Location _____ ft. $\frac{N}{S}$ of _____ line and _____ ft. $\frac{E}{W}$ of _____ line of _____

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 _____

Date _____

The summary on this page is based on information given on subsequent pages.

Commenced drilling _____ Completed drilling _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____ 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	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated	Purpose

MUDDING AND CEMENTING RECORD

Size of hole	Size of casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY