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U. S. LAND OFFICE
SERIAL NUMBER 502714
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company E. L. Sandingland Address 445 Nat. Club Bldg., Denver, Colo.
Lessor or Tract Arnts-Fidal Field Undesignated PC State New Mexico
Well No. 1-4 Sec. 21 T. 24N R. 1E Meridian 1898 County Rio Arriba
Location 990 ft. [N.] of S. Line and 1850 ft. [E.] of W. Line of Sec. 21 Elevation 7331
(Derrick base 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 M. B. JONES Morris B. Jones

Date 7/20/60 Title Consulting Engineer

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

Commenced drilling June 28, 1960 Finished drilling July 4, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3062 to 3080 - 6 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 casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8 5/8	24	8 ad	Spang	95.86	Tex. Pat.				Surface
4 1/2	2.3	8 ad	Spang	11.91	Flat				Bottom
1 1/4	2.3	8 ad	Spang	10.61	Flat				Bottom

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	107	60	100	100	100
4 1/2	3144	250	100	100	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 1150 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 **3285 AOF** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. -----

380 4111
EM

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
		3043	Pictured Cliffs

