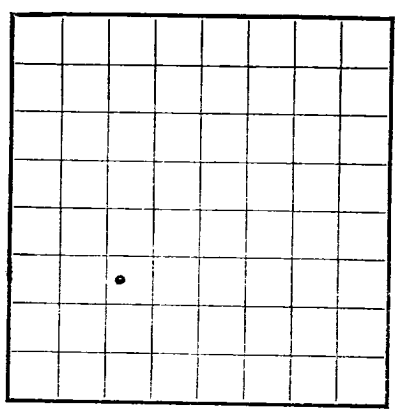
Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

Form 9-330

U. S. LAND OFFICE New Mexico
SERIAL NUMBER NM 08277
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

JUL 23 1956
ARTESIA, NEW MEXICO



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Geo. D. Riggs Address Box 30 Carlsbad, New Mexico

Lessor or Tract Hughes -Fedral Field undesignated State New Mexico

Well No. 1 Sec. 33 T. 20 S R. 28E Meridian N.M.P.M. County Eddy

Location 1650 ft. {N.} of S Line and 1650 ft. {E.} of W Line of 33, 20-28 Elevation 3200
(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 Geo. D. Riggs

Date July 18, 1956 Title operator

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

Commenced drilling June 7, 1956, 19.... Finished drilling June 20 1956, 19....

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 641 to 665 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 60 to 70 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
5½	17#	11½	used	590	reg.				oil string

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5½	590	25	pump thru tbg.		

FOLD | MARK

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
3½ x 20, 3½x10 (8' anchor)		liquid nitro	48 qts	6/20/56	665	668

TOOLS USED

Rotary tools were used from surface feet to 590 feet, and from ..... feet to ..... feet

Cable tools were used from 590 feet to 673 feet, and from ..... feet to ..... feet

DATES

....., 19.... Put to producing July 13, 1956, 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 ..... Gallons gasoline per 1,000 cu. ft. of gas .....

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

EMPLOYEES

T. A. Tutor, Driller M. A. Dunlap, Driller

Ray Frith, Driller ....., Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
surface	10	10	surface sand and gyp
10	70	60	red beds and sand
80	80	10	sand
80	100	20	red beds and gyp
100	130	30	red sand
130	380	250	red beds and gyp
380	428	48	salt and salty clay
428	453	25	anhydrite
453	497	44	dolomite, brown and gray
497	505	8	sandy shale
505	532	27	gray dolomite and anhydrite
532	545	13	gray dolomite, hard, dense
545	590	45	dolomite and anhydrite
590	607	17	brown dolomite (dead oil stain)
607	616	9	sand and dolomite, gray
616	618	2	white anhydrite
618	634	16	sand, fine tight
634	636	2	dolomite, gray
636	672	32	sand, oil 641 to 646, some iol to 665
672	673	1	dolomite, gray, T. D.

[OVER]

16—43094-8

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.

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