

4-USGS
1-Redfern
1-Reese
1-File

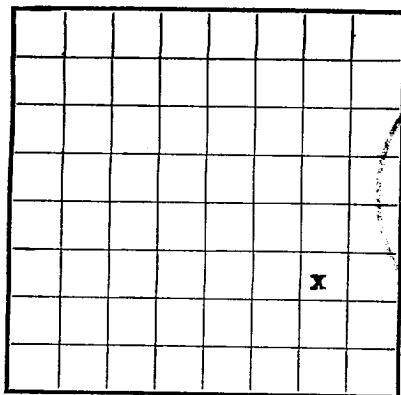
Form 9-380

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

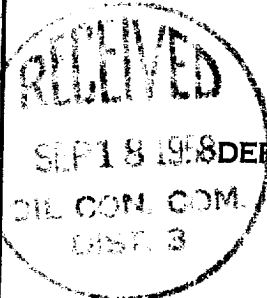
U. S. LAND OFFICE Santa Fe

SERIAL NUMBER NM 021116

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Redfern & Markham Address Box 1747, Midland Texas
Lessor or Tract Redfern Field Wildcat State New Mexico
Well No. 4 Sec. 16 T. 28N R. 11W Meridian NMPM County San Juan
Location 1550 ft. S. of S. Line and 1010 ft. E. of E. Line of Sec 16 Elevation 5592 gl
(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 _____ Original signed by T. A. Dugan

Date September 10, 1958 Title Consulting Engineer

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

Commenced drilling 7-10, 1958 Finished drilling 8-28, 1958

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 6012 to 6196 (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. 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—	
10-3/4	32.75	8R							surface
7-5/8	26.40	8R							
5	15.70	8R							Production
HISTORY OF LOG OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	172.74	150 ex	Pump Plug		
7-5/8	4173	400 ex	Pump Plug		
5 1/2	6269	150 ex	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 0 feet to 6275 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

9-8, 1958 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 5918 AOP Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 2112

EMPLOYEES

_____, Driller
_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION	
			<u>Log Tops:</u>	
			Kirtland 538'	Point Lookout 3981'
			Farmington 781'	Mancos 4114'
			Fruitland 1363'	Gallup 5152'
			Pic Cliffs 1582'	Sanastee 5561'
			Clarera	Greenhorn 5922'
			LaVentana 2138'	Graneros Shale 5980'
			Cliff House 3102'	Dakota 6022'
			Manefee 3262'	Morrison 6232'

(OVER)

10-43094-4

FORMATION RECORD—Continued

ВЕРНУТЬСЯ НА ПРЕДЫДУЩУЮ СТРАНИЦУ

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

so far as can be determined from all available records.

Stamped _____

Original signed by _____

The information given herewith is a complete and correct record of the well and all work done thereon

(Print name and position of well owner)

Location _____ N. of _____ line and _____ W. of _____ line of _____

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

Owner or Trust _____

County _____ State _____

Address _____

Company _____

SECRET

The summary of this page is for the condition of the road at the time of the accident.

82-01 82-03 güllüb bədənini 22-01 22-03 güllüb bədənini

Port 6013-29 w/ 4 jets per foot SW w/ 15,000 gal & 18,000 gal wtr & 60 RB Max 3500# Min 3800# AIR 30 RPM.

Max press 3400# Min 2175# Air 30 BHM

Port 7 jets per foot 6166-83 6162-55 411 4/31/000# 1d, 65,000 Pals vtr & 60 2B in four stages, Max Press 3500# Min 2300# AIR 32 BHM

85# TWP 70# SIP 2755#/30 min.

DST #: 5170-5278 TO 1 hr. VBA died in 90 min. Rec 64' of mud, no shows; ISIP

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of recording, 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 withdrawn 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 piers or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]