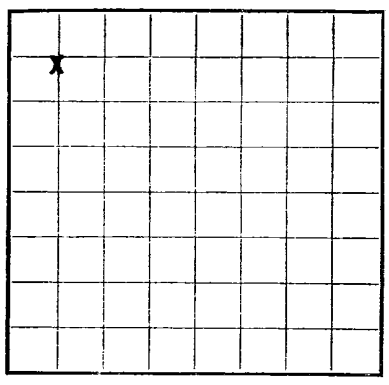
Form 9-330

4-USGS
1-WD
1-D
1-F

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

U. S. LAND OFFICE
SERIAL NUMBER SF-078896
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

RECEIVED JUN 21 1961 OIL CON. COM.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Southwest Production Company Address 162 Petr. Center Bldg., Farmington, New Mexico

Lessor or Tract Mudge Federal Field Basin Dakota State N. M.

Well No. 4 Sec. 33 T. 27N R. 11W Meridian NMPM County San Juan

Location 790 ft. {N.} of S Line and 1030 ft. {E.} of E Line of Sec. 33 Elevation 6218.7 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 Carl W. Smith

Date 6/19/61 Title Production Superintendent

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

Commenced drilling 5/17, 1961 Finished drilling 5/28, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from (G) 6417 to 21 No. 4, from to

No. 2, from 6364 to 80 No. 5, from to

No. 3, from 6350 to 64 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
10 3/4	32.50#		Lone Star	208'					Surface
4½"	10.50#			207 jts.					Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	198 KB	150 sx 2% calcium chloride	Pump & Plug		
4½"	6465	w/225 sx 50/50 pozmix 4% gel followed w/75 sx reg.1# Halad 9/sx			
		2nd stage thru DV tool @ 1950 w/150 sx 50/50 pozmix 4% gel.			

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 6465 feet, and from feet to feet

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

DATES

Tested 6/16, 1961 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 4,327 MGF Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 7,944 AOF - SICP 1970#, SITP 1964 after 7 days. 3 hr. flow pressures tbg. 350#, csg. 1465.

EMPLOYEES

G. B. Cagle, Driller S. H. Roberson, Driller

Ira Armstrong, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			Electric Log Tops:
			Pictured Cliffs 1773
			Cliff House 2647
			Point Lookout 4196
			Mancos 4510
			Gallup 5317
			Greenhorn 6186
			Graneros 6248
			Dakota 6347
			Total Depth 6465'
			CO Depth 6441'

[OVER]

16—43094-4

FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

16—43094-2 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 da s of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fu , and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, s , position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and resu of pumping or bailing.