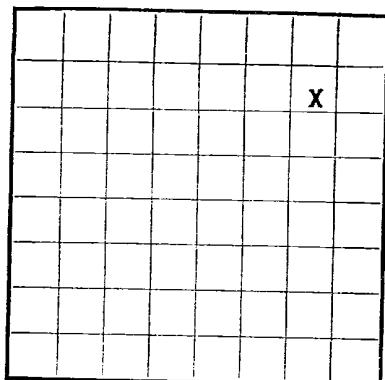


4-USGS
1-Western Dev.
1-Dallas
1-FileBudget Bureau No. 42-R355.4.
Approval expires 12-31-60.U. S. LAND OFFICE
SERIAL NUMBER **SF-079116**
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

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 Edgar Federal Field Basin Dakota State New Mexico
Well No. #1 Sec. 12 T. 27N R. 12W Meridian NMPM County San Juan
Location 1650 ft. 25 of 3 Line and 1650 ft. 25 of 5 Line of Section 12 Elevation 6065 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 Carl W. Smith Original signed by

Date 12/22/60 Title Production Supt.

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

Commenced drilling 9/13, 1960 Finished drilling 9/29, 1960OIL OR GAS SANDS OR ZONES
(Denote gas by G)

Producing Interval
No. 1, from 6363 to 6387 No. 4, from 6299 to 6303
No. 2, from to No. 5, from 6314 to 6322
No. 3, from to No. 6, from 6325 to 6337

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—	
<u>10 3/4</u>	<u>32.75#</u>	<u>8rd Lone Star</u>	<u>314'</u>						
<u>5 1/2"</u>	<u>15.50#</u>	<u>"</u>	<u>CR&I</u>	<u>199 jts.</u>					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10 3/4</u>	<u>309-KB</u>	<u>250 sx HA-5 cement</u>			
<u>5 1/2"</u>	<u>6504-KB</u>	<u>225 sx 2% gel, 75</u>	<u>sx latex, 2nd stage thru DW tool @ 1971'</u>		
			<u>w/100 sx 50/50 Diamix 2% gel.</u>		
	<u>2" EUE tbg. landed @ 6364'KB.</u>				

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 6504 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

Tested 12/20, 1960 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 1,178 Gallons gasoline per 1,000 cu. ft. of gas Rock pressure, lbs. per sq. in. 1,201 AGF, SITP 1509 after 7 days.

EMPLOYEES

Ira Armstrong , Driller Man Drilling Company , Driller
C. B. Cagle , Driller S. H. Roberson , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			Electric Log Tops: Pictured Cliffs 1737 Cliff House 3305 Menefee 3420 Point Lookout 4338 Mancos 4480 Gallup 5356 Greenhorn 6193 Graneros 6250 Dakota 6362
			TD 6504 PB 6467

[OVER]

16-48094-4

FORMATION RECORD—Continued

[illegible]

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reeding, 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.

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE