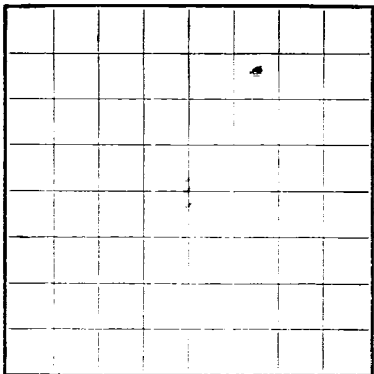


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF 078306-A
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Tennessee Gas Transmission Address P. O. Box 1714, Durango, Colorado
Lessor or Tract Don Bolack Gas Unit Field Unders. Dakota State New Mexico
Well No. 1 Sec. 2 T. 27N R. 11W Meridian NMPM County San Juan
Location 790 ft. N. of E. Line and 1750 ft. E. of E. Line of Section 2 Elevation 5111
(Derrick floor relative to survey)

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 J. J. Isaac Title District Engineer
Date August 24, 1960

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

Commenced drilling June 15, 1960 Finished drilling June 29, 1960

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

No. 1, from 5775 to 5820 No. 4, from _____ to _____
No. 2, from 6302 to 6420 (G) 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—	
9-5/8"	40#	8 rd.	CF&I	211'	Guide		--	--	Surface
7"	23#	8 rd.		1791	Float				
7"	20#	8 rd.		4671	--				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	<u>224'</u>	<u>135</u>	<u>two plug</u>	<u>--</u>	<u>--</u>
7"	<u>6474'</u>	<u>375</u>	<u>two plug</u>	<u>--</u>	<u>--</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 _____ feet to 6490 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

August 23, 1960 Put to producing July 21, 1960

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. (CAOF) Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours 15,100 MCF Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1937 Condensate Ratio = 20 bbl/MCF

EMPLOYEES

_____, Driller _____ Driller
_____, Driller _____ Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
	<u>325</u>	<u>325</u>	Sand & Shale Stringers
<u>325</u>	<u>2750</u>	<u>1925</u>	Shaley Sand
<u>2750</u>	<u>2310</u>	<u>60</u>	Sandy Shale
<u>2310</u>	<u>3360</u>	<u>550</u>	Silty Sand
<u>3360</u>	<u>3510</u>	<u>150</u>	Sand
<u>3510</u>	<u>4330</u>	<u>1020</u>	Silty Sand
<u>4330</u>	<u>5400</u>	<u>370</u>	Shale
<u>5400</u>	<u>5900</u>	<u>500</u>	Sand and Shale Stringers
<u>5900</u>	<u>6210</u>	<u>310</u>	Shale
<u>6210</u>	<u>6490</u>	<u>280</u>	Sand and Shale
Electric Log Tops:			
			Pictured Cliffs <u>2743'</u>
			Lewis Shale <u>2810'</u>
			Mesa Verde <u>3360'</u>
			Mancos <u>3530'</u>
			Gallup <u>5400'</u>
			Lower Mancos <u>5321'</u>
			Greenhorn <u>6207'</u>
			Dakota <u>6323'</u>

FORMATION

HISTORY OF OIL OR GAS WELL

Spud 12-1/4" hole 6-14-60 and drilled to 235'. Ran and cemented 211' 9-5/8" CD, 40#, N-80 LTRC casing. Set at 224' and cemented with 135 sacks regular cement. Circulated cement to surface. WOC 24 hrs. Pressure tested casing at 500 psi for 30 minutes.

Perforated casing 6425-29. Swapped for production. Perforated casing 6302-10, 6324-29, 6376-92, 6397-6402, 6411-16. Sand-water trace with 103,000 gallons water and 170,000# 20-40 sd. Set permanent production at 6240'.

Dakota potential: 3 hr flow, 3/4" choke.
Estimated 8738 MCFPD. ACF = 15,500
MCFPD. Condensate ratio = 20 bbls/MCF.

Swabbing Gullies to recover lost oil.