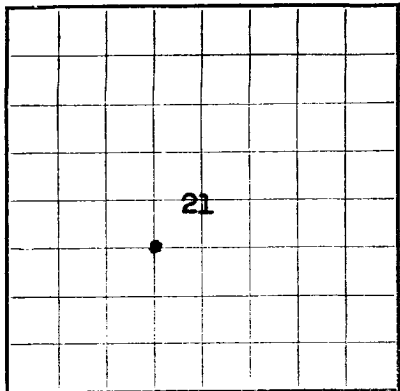




LOCATE WELL CORRECTLY

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company TENNESSEE GAS TRANSMISSION COMPANY Address P. O. Box 1772 Lessor or Tract Ute Mtn Tribe "A" Field S. W. Barker Dome State New Mexico Well No. 4 Contract 14-20-604-87 Sec. 21 T. 31N R. 15W Meridian NMPM County San Juan Location 1980 ft. [N. of S. Line and 1980 ft. [E. of W. Line of SW 1/4 Elevation 5636. (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. Original Signed By: PATTERSON LAY Signed Patterson Lay Title District Superintendent Date November 1, 1956

The summary on this page is for the condition of the well at above date. Commenced drilling September 12, 1956 Finished drilling September 20, 1956

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

No. 1, from 1911 to 2008 No. 4, from No. 2, from to No. 5, from to No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from None tested to No. 3, from 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
8-5/8"	28.0	8rd	CR&I	96.01	Baker	to 1033'	Yes	Surface
5-1/2"	16.0	8rd	L.S.	326.73	Baker	to 1595'	Yes	Prod.
3-1/2"	18.0	8rd	L.S.	1595.32			Yes	Prod.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	109	70 (50-50 Pozmix)	Plug & Plug		Circulated to surface
5-1/2"	1928	100 (50-50 Pozmix)	Plug & Plug		100

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 surface feet to 2008 feet, and from feet to feet Cable tools were used from completion feet to feet, and from feet to feet

DATES

November 1, 1956 Put to producing October 28, 1956 The production for the first 24 hours was 11 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity, °Bé. 39.4 If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas Rock pressure, lbs. per sq. in.

EMPLOYEES

Jim Green, Driller W. R. Teague, Driller W. R. Witcher, Driller M. E. Wayman, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	10	10	KB to GL.
10	700	690	Sand w/streaks shale.
700	2008 TD	1308	Shale w/occasional streaks of sand.
Core #1	1100-1129 rec.	29'	blk sh, hd, no show.
Core #2	1942-1990 rec.	48'	1942-1951 ss, med fn grn, glauc, very shly, w/calcite partings, 1 open vertical fracture, spotty sat in ss. 1951-1961 lam sd and sh, no show. 1961-1990 sh, hd, dense, sdy w/occasional stks fn gr ss, no show.
Core #3	1990-2008 rec.	18'	sh, hd, blk, dense, no show.

