



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, Casper, Wyoming
Lessor or Tract Ute Mountain Tribe "B" Field Verde Gallup State New Mexico
Well No. 6 Sec. 32 T. 31N R. 15W Meridian NMPM County San Juan
Location 660 ft. N. of 8 Line and 660 ft. EX of E Line of Section 32 Elevation 5510.22'
(Service 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:
Signed Patterson Lay Title District Superintendent

Date October 17, 1957

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

Commenced drilling April 5, 1957 Finished drilling May 9, 1957OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 2832' to 2879' 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	
<u>8-5/8"</u>	<u>24</u>	<u>8R</u>	<u>Lone Star</u>	<u>88.61</u>	<u>Belled</u>	<u>Bottom joint</u>			
<u>5-1/2"</u>	<u>14</u>	<u>8R</u>	<u>Spang</u>	<u>2818.56</u>	<u>HWC</u>				
			<u>CF&I</u>						

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8"</u>	<u>98.85</u>	<u>75 sacks</u>	<u>one plug</u>		<u>Circulated cement.</u>
<u>5-1/2"</u>	<u>2811.11</u>	<u>100 sacks</u>	<u>two plug</u>		

PLUGS AND ADAPTERS

Adapters - Material _____ Length _____ Depth set _____
Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 8 feet to 2879 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Completed June 8, 1957 Put to producing June 13, 1957

The production for the first 24 hours was 120 barrels of fluid of which 100 % was oil; 0 %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 39

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Bond, Driller Guffy, Driller
Greener, Driller _____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
<u>ELECTRIC SURVEY TOPS:</u>			
	<u>Mancos Shale</u>	<u>- 1545'</u>	
	<u>Gallup</u>	<u>- 2832' (estimated)</u>	
<u>0</u>	<u>8'</u>	<u>8'</u>	<u>K.B. to ground.</u>
<u>8'</u>	<u>1545'</u>	<u>1537'</u>	<u>Sand and shale with coal stringers</u>
<u>1545'</u>	<u>2832'</u>	<u>1287'</u>	<u>Shale with hard line streaks.</u>
<u>2832'</u>	<u>2879'</u>	<u>47'</u>	<u>Sandy shale</u>
<u>CORE NO. 1 2814' - 2826'. Cut 16 1/2'. Recovered 16 1/2'.</u>			
<u>2814' - 2830 1/2' (16 1/2')</u> <u>Shale, black, carbonaceous, poker chip with few scattered sandstone laminations, vertical fracture as follows:</u>			
<u>2814' - 2815'</u>			
<u>2817' - 2818'</u>			
<u>2819' - 2823'</u>			
<u>2825' - 2830'</u>			
<u>CORE NO. 2 - 2830 1/2' - 2846'. Cut 15 1/2'. Recovered 15 1/2'.</u>			
<u>2830 1/2' - 2844' (13 1/2')</u> <u>Shale, black, carbonaceous, poker chip with few scattered sandstone laminations.</u>			
<u>(Reverse side)</u>			

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
CORE NO. 2 - cont'd.			Vertical fractures as follows: 2835' - 2836' 2837' - 2838' (Multiple fracs) 2841' - 2843' No show.
2844' - 2846' (2')			sandstone, medium grain, hard tite, shaley. No show. Vertical fracture 2845' - 2846'.
CORE NO. 3 from 2846' - 2849'.		Cut 3'. Recovered 3'.	
2846' - 2849' (3')			Shale, black, carbonaceous, poker chip. No show. Vertical fracture 2846' - 2846½' 2848' - 2849'
CORE NO. 4 from 2849' - 2862'.		Cut 13'. Recovered 13'	
2849' - 2862' (13')			Shale, black, carbonaceous, fossiliferous. Vertical fractures at 2850' - 2852' 2853' - 2854' 2855' - 2860' 2860½' - 2861'
CORE NO. 5 from 2862' - 2876'.		Cut 14'. Recovered 14'.	
2862' - 2871' (9')			Shale, black, carbonaceous, fossiliferous, No show. Vertical fractures: 2865' - 2866' 2867' - 2871'
2871' - 2871½' (½')			Bentonite.
2871½' - 2876' (4½')			Sandstone, fine to medium grain, with shale streaks and inclusions. Slight bleeding of oil.
CORE NO. 6 from 2876' - 2879'.		Cut 3'. Recovered 3'.	
2876' - 2879' (3')			Sandstone, fine to medium grain, with shale streaks and inclusions. Slight bleeding of oil.

HISTORY OF OIL OR GAS WELL

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

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

Spudded 4-5-57. Drilled 12½" hole to 99'. Ran 3 joints (88.61') 8-5/8" 24# J-E ST&C casing. Landed casing at 98.85'. Cemented to surface with 75 sacks. W.O.C. 24 hours. Pressure tested casing and B.O.P. to 500 psi for 30 minutes. Pressure held. Drilled 7-7/8" hole to 2813'. Ran electric survey from 2754' to 100'. Ran 5-1/2" OD 14# J-S ST&C casing to 2811.11'. Cemented with 100 sacks. W.O.C. 24 hours. Drilled cement from 2783' to 2813' and shale from 2813' - 2814'. Cored with 4-3/4" Diamond bit from 2814' - 2879' using crude oil for drilling fluid. Sand frac down casing using 51,000# sand in 40,740 gallons lease crude. Recovered load oil 6/8/57.

LOGGING TEST: Pumped 120 BO in 24 hours. 1-1/2" pump, 13 - 36" SPM. 6/13/57.

WILLIAM F. J. J.
OCTOBER 21 1957

TOP OF OIL OR GAS BEH