

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF 078931-B
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Tenneco Corporation Address P. O. Box 1714, Durango, Colorado
 Lessor or Tract USA Glenn W. Callow Field Total Gallup State New Mexico
 Well No. 15 Sec. 27 T. 29N R. 13W Meridian NPM County San Juan
 Location 330 ft. N. of S. Line and 550 ft. E. of W. Line of Section 27 Elevation 5392 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.

Date April 11, 1961 Title District Production Supt.

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

Commenced drilling ----- March 3 -----, 1961 Finished drilling ----- March 11 -----, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5214 to 5222 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 None to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	135'	125	Two Plug		
4 1/2"	5275	240	Two Plug		

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 _____ feet, and from _____ feet to _____ feet.

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

DATES Potential Test 3-16-61...F/105 Bbls Oil

Put top 12 inches on 20/64" Choke GOR 1985

The production for the first 24 hours was 230 barrels of fluid of which 100% was oil; 3%

emulsion: _____% water: and _____% sediment. Gravity, °Bé. _____

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

Back pressure, lbs. per sq. in. _____

Rock pressure, lbs. per sq. in. -----

EMPLOYEES

EMPLOYEES

_____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	12	12	KB to Ground Level
12	492	480	Shale and Sand Stringers
492	1162	670	Brown Shale
1162	1312	150	Sandstones
1312	2712	1400	Black Shale w/occasional sand stringers
2712	3902	1190	Sandstone and Shale
3902	5102	1200	Black Shale
5102	5275	173	Shaley and Silty Sands
			<u>Electric Log Tops</u>
			Farmington Sands 340
			Fruitland Shale 510
			Pictured Cliffs 1165
			Lewis Shale 1330
			Mesaverde 2120
			Mancos 3920
			Gallup 4845

[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 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.

HISTORY OF OIL OR GAS WELL

16-43091-2 U. S. GOVERNMENT PRINTING OFFICE

Well spudded 4:30 P.M. 3-3-61, and 12" hole drilled to 159', and ran 5 joints, 6 5/8" casing, 24', J-55 and set at 155'. Cemented with 125 sacks regular 2# cement. Circulated cement to surface. Plug down 11:00 P.M. 3-5-61. WOC 12 hours. Pressure tested casing to 750 pounds for 30 min. Pressure held o.k. Drilled 7 7/8" hole to 5275'. Ran ES Resistor and cement Ray donic logs. Ran log joints 4" casing, 9.5', J-55 and set at 5275'. Stage collar set at 1350' and cemented in two stages. First stage... Cemented with 190 sacks 50-50 Diatrix. Plug down on first stage 12:01 A.M. 3-11-61. WOC 2 hours. Second stage... Cemented with 50 sacks 50-50 Diatrix. Plug down on second stage 4:00 A.M. 3-11-61. Pressure tested casing to 3000 pounds. Pressure held o.k. Performed 5214-5222 with three shots per foot. Placed beds with 30,000 gal. Cylite, 15,000 pounds 20-40 sand and 1500 pounds 10-20 sand. Recovered bed bit. Potential test 3-16-61. Flowed 105 Bbls oil in 12 hours on 20/40 sand. 37.25 WOC 200 GOR 585.