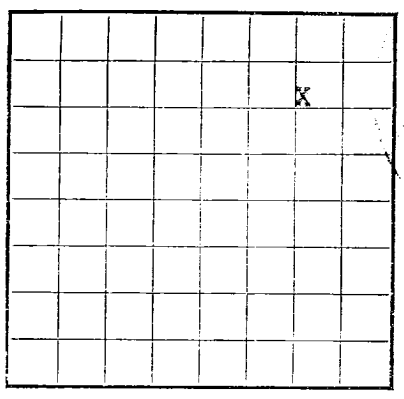
Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF 080168
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

RECEIVED AUG 31 1961 OIL CON. COM. DIST.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Tenneco Oil Company Address P. O. Box 1714, Durango, Colorado

Lessor or Tract H. O. Watson "B" Field Basin Dakota State New Mexico

Well No. 1 Sec. 21 T 27N R. 12W Meridian NMPM County San Juan

Location 790 ft. {XX S.} of N Line and 790 ft. {XX W.} of E Line of Sec. 21 Elevation 5822 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 L. B. Plumb

Date August 21, 1961 Title Dist. Production Supt.

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

Commenced drilling July 1, 19 61 Finished drilling July 13, 19 61

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 5864 to 5979 G 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. 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 From—	Perforated To—	Purpose
9 5/8"	40#	8 RD	CF&I	15'					Surface
8 5/8"	24#	8 RD	CF&I	180'	Guide				Surface
4 1/2"	11.6#	8 RD	CF&I	97'					Production
4 1/2"	9.5#	8 RD	CF&I	5994'	Float		5864	5979	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8					
8 5/8	209'	160	Two Plug		
4 1/2	6052'	250	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 0 feet to 6052 feet, and from feet to feet

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

DATES

August 21, 19 61 Put to producing Potential Test - F/3737 MCFPD on 3/4" choke, AOF 5186 MCFPD August 17, 19 61

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 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

, Driller , Driller

, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
10	1345	1335'	Sand & Shale
1345	1455	110'	Sandstone
1455	2170	715'	Shale W/Sand Stringers
2170	4075	1905'	Sandstone and Shale
4075	4900	825'	Shale
4900	5860	960'	Shale, Sandy Shale & Siltstone
5860	T.D.	190'	Tight Sandstone

Electric Log Tops

570	Farmington
815	Fruitland
1345	Pictured Cliffs
1455	Lewis Shale
2170	Mesaverde
4075	Mancos Shale
4900	Gallup
5745	Greenhorn
5862	Dakota
6050	T.D.

16—43094-5

FOLD MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

HISTORY OF OIL OR GAS WELL

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.

Well spudded at 3:30 A.M. 7-1-61. 12 1/4" hole drilled to 221'. Ran 1 joint 9 5/8" 40# ST&C casing and 6 joints 8 5/8" OD 24# J-55 ST&C casing. Surface casing set at 209' and cemented with 160 sx cement. Circ cement to surface. Pressure tested casing to 800 pounds after WOC. Pressure held ok. Drilled 7 7/8" hole to 6052'. Ran ES-resistivity and Gamma Ray-Sonic logs. Ran 197 joints 4 1/2" 9.5# 8 RD ST&C casing and set at 6052'. Stage collar set at 1546' and cemented in two stages. First stage--cemented with 200 sacks 1:1 diacel 2% CaCl2. Plug down on first stage 7:15 A.M. 7-13-61. Second stage--cemented with 50 sacks 1:1 diamix 6% gal. Plug down on second stage 11:30 A.M. 7-13-61. Released rig 7-13-61. Perf Dakota 5864-76, 5875-97, 5905-10, 5916-26, 5930-32, 5942-45, 5959-63, and 5974-79 with 4 shots per foot. Fraced perfs with 70,000 gal water and 105,000 pounds 10-20 sand. Ran tubing and cleaned well. Potential test--F/3737 MCFPD on 3/4" choke. Calc AOF 5186 MCFPD. FTP 294 FCP 1151 SITP 1944, SICP 1940.