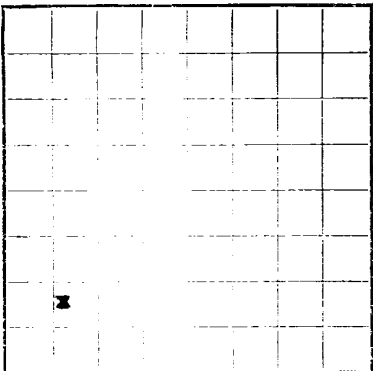




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **SF 078673**
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Western Natural Gas Company** Address **823 Midland Tower, Midland, Texas**
Lessor or Trust **Bonnie C. Schiesser-Federal** Field **Undesig. Gallup** State **New Mexico**
Well No. **2** Sec. **3** T. **27N** R. **11W** Meridian **NMPM** County **San Juan**
Location **790** ft. **N** of **8** Line and **790** ft. **E** of **W** Line of **Sec. 3** Elevation **6210** C. L.
(to center of well 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 **Paul E. Schiesser**

Date **December 13, 1960** Title **Office Manager**

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

Commenced drilling **9-23**, 19 **60** Finished drilling **10-22-**, 19 **60**

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

No. 1, from **1952** to **3962** No. 4, from **G 6618** to **6626**
No. 2, from **6022** to **6042** No. 5, from to
No. 3, from **G 6596** to **6606** 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—	
8 5/8"	244	8	J-55	208'	Guide				Surface
5 1/2"	15.54	8	J-55	6760'	Float		5952	5962	Production
							6022	6042	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	226'	190 w/2% CaCl₂	Pump & Plug	-	-
5 1/2"	6779'	1st stage: 175 sk 50-50 pozmix w/4% gel & 3% carnorite & 12% gilsonite per sk. Second Stage: 100 sk 50-50 pozmix w/4% gel w/12% gilsonite per sk.			

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 **6780** feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

December 13, 19 **60** Put to producing **December 5**, 19 **60**
The production for the first 24 hours was **95** barrels of fluid of which **100**% 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
0	2008	2008	Sand, shale & coal
2008	2110	102	Sand
2110	4730	2620	Sand & shale
4730	5606	876	Shale
5606	6212	616	Sand w/shale streaks
6212	6434	222	Shale w/sand streaks
6434	6446	52	Limestone w/shale streaks
6446	6780	294	Sand & shale

FORMATION

FROM—

—OL

TOTAL FEET

FORMATION

HISTORY OF OIL OR GAS WELL.

U. S. GOVERNMENT PRINTING OFFICE 16-43084-2

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 "sacked" 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.

Sterilized bottles 655-656 and 651-56, w/4 jet sprayer per Lt. Ryan w/68,6804 20-40
 sand, 62,600 gal water w/1% each. 2004 J-58. Flushed w/260 phis water, 1006 gals acid.
 Avg injection rate 63 bpm @ 20000 CHEATING METERING.

perforated casing 6002-42 w/2 jet shots per ft. Trac w/23,300 gal oil, 30,000 20-40 sand, 8000 J-84 plastic coated walnut shells, 1000 gal 17% non-emulsion acid diluted with 3500 gal water. Avg injection rate 55.3 INH. Breakdown pressure 2700#, Max 3500#. Min 2550#.

the Gallup.

Gutherson Type "A" permanent prod. packet off of wireline at 6541' prior to performing w/1500 gal H₂O. Flushed w/150 SO₂, NBR 3000G, bit press 2100G, inj rate 44 BPM. Set 20-40 wd. 800G J-87 plastic coated weight bullet, 1000 gal non-mixing acid diluted w/20,000 gal oil, 20,000G 595Z-596Z w/4 JSPZ. Flushed w/20,160 gal iso oil, 20,000G