

R 13W

[illegible]

LOCATE WELL CORRECTLY

U. S. LAND OFFICE

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Utah Southern Oil Company Address 1825 First National Bank Bldg.
Lessor or Tract U.S. Government-Newman Field Gallegos State New Mexico
Well No. 1 Sec. 27 T. 27N R. 13W Meridian NMPH County San Juan
Location 1850 ft. XX S. of N Line and 1850 ft. EW of W Line of Sec. 27 Elevation 6125 K.B.
(Obviate four 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 Harry J. J. J. J. J.
Title Production Superintendent

Date **January 26, 1959**

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

Commenced drilling **December 18** 19 **58** Finished drilling **January 7** 19 **59**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5242 to 5258 No. 4, from _____ to _____

No. 2, from 5262 to 5276 No. 5, from _____ to _____

No. 3. from _____ to _____ No. 6. from _____ to _____

IMPORTANT WATER SANDS

No. 1, from None encountered to None No. 3, from None to None

No. 2, 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
9 5/8"	390'	150	Halliburton	-	-
5 1/2"	5340'	200	Hall. 2 Plug	98 #/gal	-

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
Sand fract with 40,000 gal. lease crude and 40,000# 20-40 Sand.						
Pumping pressures 1900/2100#, Pumping rate 48 Ebls. per min.						

TOOLS USED

Rotary tools were used from surface feet to 5340 feet, and from - feet to - feet.

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

DATES

January 26	19 59	Put to producing	January 15	19 59
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The production for the first 24 hours was 192 barrels of fluid of which 99.7 % was oil; 0 % emulsion; 0 % water; and 0.3 % sediment. Gravity. °Bé. 42°

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

~~Howard Gibson, Foreman, Driller~~ _____, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	226	226	Surface sand and shale
226	392	166	Shale
392	1375	983	Sand and shale
1375	1658	283	Sand and shale
1658	2196	538	Shale
2196	2502	306	Sand and shale
2502	3046	544	Sand and shale
3046	3401	355	Shale
3401	3551	150	Sand and shale
3551	3781	230	Shale
3781	4157	376	Sand and shale
4157	4225	68	Shale
4225	5150	925	Sand and shale
5150	5246	96	Shale
5246	5282	36	Shly. Sand (see attached)
5282	5340	58	Sand and shale

(OVER)
 EVALUATION RECORD—Continued

18-43094-1

TOG OF OIL OR GAS WELL

Continued drilling will be completed by the end of the year. The estimated cost of the project is \$10 million. The estimated cost of the project is \$10 million.

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WATER SANDS

098025 2416-0

HISTORY OF OIL OR GAS WELL

FORMATION RECORD—Continued

UTAH SOUTHERN OIL COMPANY

GOVERNMENT NEWMAN NO. 1 WELL

The Utah Southern Oil Company Government Newman No. 1 Well was spudded December 17, 1958 and was drilled to a total depth of 5340 feet January 7, 1959. Rotary tools and oil emulsion mud were used from surface to total depth.

ENCLOSURES:

1. Lithologic Logs, two copies
2. Schlumberger Electric Logs, 1 copy
3. Eastman Drift Surveys
4. Diamond Core Record

HISTORY:

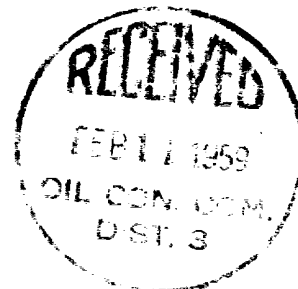
The Utah Southern No. 1 Government Newman Well located 1850' from the north line and 1850' from the west line, Section 27; Township 27 North; Range 13 West; San Juan County, New Mexico was drilled on a farmout from Pan American Petroleum Corporation and Southern Union Gas Company.

Statistics on the well are as follows:

Elevation 6125' D.F.

Formation Tops and Datums:

Pictured Cliffs	1375'	+4750'
Mesa Verde	2233'	+3892'
Point Lookout	3941'	+2184'
Callup	5020'	+1105'



Casing Record:

Surface - 9 5/8" @ 390 feet with 150 sacks

Production - 5 1/2" @ 5340 feet with 200 sacks

Four cores were taken in the well from 5150' to 5282' as follows:

Core No. 1

5150' - 5190'

Cut 40 feet, recovered 35 feet

Shale, dark gray, calcareous

Core No. 2

5190' - 5220'

Cut 30 feet, recovered 30 feet

Shale as above. Streaks of aragonite and numerous fossils, vertical fractures 5202' - 5246'

Core No. 3

5220' - 5246'

Cut 26 feet, recovered 21 feet

Shale, dark gray, gritty to slightly sandy streaks, and partings of aragonite. Vertical fractures

5220' - 5221', 5225' - 5227', 5231' - 5233', 5237' - 5241'

Core No. 4

5246' - 5282'

Cut 36 feet, recovered 31 feet

4 feet sand, gray, shaley, bleeding oil

5 feet sand, gray, silty, bleeding oil

3 feet sand, gray, shaley, bleeding oil

2 feet shale, sandy

4 feet sand, gray, silty, bleeding oil

2 feet sand, gray, shaley, bleeding oil

11 feet sand, gray, silty, bleeding oil



Vertical fractures; 5246' - 5248', 5253' - 5255', 5256' - 5258',
5263' - 5269', 5271' - 5274'.

The above core depths are corrected to Schlumberger measurements.

The 5 1/2" production string was set at 5340' with 200 sacks of cement. The casing was perforated 5242' - 5258' and 5262' - 5276'. The well was sand oil fraced with 40,000 gallons of oil and 40,000 pounds of sand.

