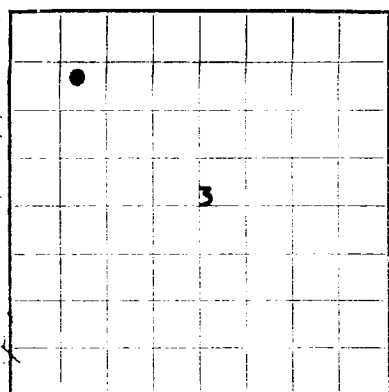


U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER NM 012897  
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Southern Union Gas Company Address 1001 Burt Bldg., Dallas, Texas  
Lessor or Tract Federal Field Wildcat State New Mexico  
Well No. 1 Sec. 3 T. 17S R. 28E Meridian N.H.P.M. County Eddy  
Location 990 ft. N of N Line and 990 ft. E of W Line of Section 3 Elevation 3548  
(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 A. M. Wiederkehr Title Mgr., Exploration Dept.  
Date September 8, 1958

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

Commenced drilling 7-12, 58 Finished drilling 8-3, 58

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

No. 1, from 1374 to 1388 (G) No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 1404 to 1414 (G) 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—	
8-5/8	32#	8RD	H-40	451		Pulled All			Water shut off
5-1/2	15.5#	8RD	J-55	1475					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5-1/2	1465	Cemented to surface	Halliburton		
2"	1370	400			

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
Perf. 1374-88, 1404-14, fraced with 40,320 gals. oil and 33,500# sand, dropped 50-rubber balls, 1R-31.5 BPM.						

TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from -0- feet to 1623 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

8-6 first sustained 58 Put to producing \_\_\_\_\_, 19\_\_\_\_  
The production for the first 24 hours was 35 barrels of fluid of which 100 % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. 25  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. SIP 650#, FTP 125#, FCP 175#

EMPLOYEES

Kersey & Company, Driller \_\_\_\_\_, Driller \_\_\_\_\_  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller \_\_\_\_\_

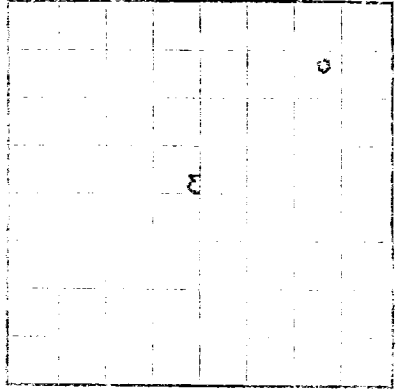
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>-0-</u>	<u>240</u>	<u>240</u>	Shale & Anhydrite
<u>240</u>	<u>400</u>	<u>160</u>	Shale, Anhydrite & Dolomite
<u>400</u>	<u>460</u>	<u>60</u>	Sand & Shale
<u>460</u>	<u>520</u>	<u>60</u>	Sand, Shale & Lime
<u>520</u>	<u>1130</u>	<u>610</u>	Lime & Shale
<u>1130</u>	<u>1170</u>	<u>40</u>	Sand & Shale
<u>1170</u>	<u>1250</u>	<u>80</u>	Lime
<u>1250</u>	<u>1320</u>	<u>70</u>	Sand & Shale
<u>1320</u>	<u>1375</u>	<u>55</u>	Lime
<u>1375</u>	<u>1623 TD</u>	<u>248</u>	Sand & Shale

TOPS: Yates 405'  
Seven Rivers 670  
Queens 1075'

# LOG OF OIL OR GAS WELL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

Company: Continental Oil Company  
Location: Field No. 1  
Well No. 1  
Section 3  
T. 12N R. 38E  
Line and 200  
of 1/2 1/2  
Line and 200  
of 1/2 1/2  
Line of section 3  
T. 12N R. 38E  
Field No. 1  
State New Mexico

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: D. M. Mitchell, Jr.  
Title: Geological Engineer  
Date: September 9, 1938

The summary on this page is for the condition of the well at above date.  
Commenced drilling: 1-12-38  
Finished drilling: 1-12-38

## OIL OR GAS SANDS OR ZONES

No. of zone	From	To	Thickness (ft)
No. 1	1374	1388 (a)	
No. 2	1404	1414 (a)	
No. 3			
No. 4			

## IMPORTANT WATER SANDS

No. of zone	From	To	Thickness (ft)
No. 1			
No. 2			

## CASING RECORD

Size	Weight (lb/100 ft)	Length (ft)	Amount (ft)	Kind of shoe	Out and pulled from	Remarks
8-1/2" x 26	35	1475	1475	Ball and Taper	1475	Ball and Taper
8-1/2" x 26	35	1475	1475	Ball and Taper	1475	Ball and Taper

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

16-43081-2 U. S. GOVERNMENT PRINTING OFFICE

FROM	TO	TOTAL FEET	FORMATION
1374	1388	14	Sand & shale
1388	1404	16	Sand & shale
1404	1414	10	Sand & shale
1414	1424	10	Sand & shale
1424	1434	10	Sand & shale
1434	1444	10	Sand & shale
1444	1454	10	Sand & shale
1454	1464	10	Sand & shale
1464	1474	10	Sand & shale
1474	1484	10	Sand & shale
1484	1494	10	Sand & shale
1494	1504	10	Sand & shale
1504	1514	10	Sand & shale
1514	1524	10	Sand & shale
1524	1534	10	Sand & shale
1534	1544	10	Sand & shale
1544	1554	10	Sand & shale
1554	1564	10	Sand & shale
1564	1574	10	Sand & shale
1574	1584	10	Sand & shale
1584	1594	10	Sand & shale
1594	1604	10	Sand & shale
1604	1614	10	Sand & shale
1614	1624	10	Sand & shale
1624	1634	10	Sand & shale
1634	1644	10	Sand & shale
1644	1654	10	Sand & shale
1654	1664	10	Sand & shale
1664	1674	10	Sand & shale
1674	1684	10	Sand & shale
1684	1694	10	Sand & shale
1694	1704	10	Sand & shale
1704	1714	10	Sand & shale
1714	1724	10	Sand & shale
1724	1734	10	Sand & shale
1734	1744	10	Sand & shale
1744	1754	10	Sand & shale
1754	1764	10	Sand & shale
1764	1774	10	Sand & shale
1774	1784	10	Sand & shale
1784	1794	10	Sand & shale
1794	1804	10	Sand & shale
1804	1814	10	Sand & shale
1814	1824	10	Sand & shale
1824	1834	10	Sand & shale
1834	1844	10	Sand & shale
1844	1854	10	Sand & shale
1854	1864	10	Sand & shale
1864	1874	10	Sand & shale
1874	1884	10	Sand & shale
1884	1894	10	Sand & shale
1894	1904	10	Sand & shale
1904	1914	10	Sand & shale
1914	1924	10	Sand & shale
1924	1934	10	Sand & shale
1934	1944	10	Sand & shale
1944	1954	10	Sand & shale
1954	1964	10	Sand & shale
1964	1974	10	Sand & shale
1974	1984	10	Sand & shale
1984	1994	10	Sand & shale
1994	2004	10	Sand & shale