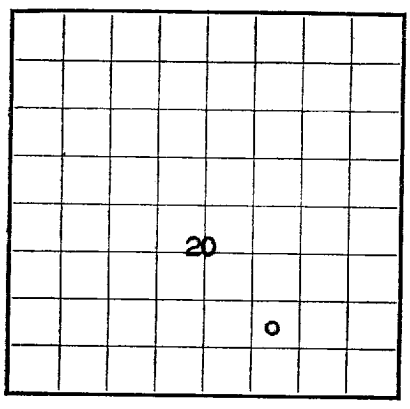
Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.



LOCATE WELL CORRECTLY

COPY

U. S. LAND OFFICE Ute Mountain
SERIAL NUMBER Tribal
LEASE OR PERMIT TO PROSPECT
Contract #14-20-604-82

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Southern Union Gas Company Address 1001 Burt Building, Dallas, Texas

Lessor or Tract Ute Indian Field Verde Gallup State New Mexico

Well No. 2-20 Sec. 20 T. 31N R. 14W Meridian N.M.P.M. County San Juan

Location 700 ft. {N.} of S Line and 1940 ft. {W.} of E Line of Section 20 Elevation 5619'
(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 Original Signed By PAUL J. CLOTE
Paul J. Clote

Date May 7, 1959 Title Mgr., Drilling and Production

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

Commenced drilling January 28, 19 59 Finished drilling April 19, 19 59

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 3222' to 3292' (O) No. 4, from ____ to ____

No. 2, from ____ to ____ No. 5, from ____ to ____

No. 3, from ____ to ____ No. 6, from ____ to ____

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APR 1 1960
OIL CON. COM.
DIST. 3

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 From—	Perforated To—	Purpose
13-3/8"	48#	8RD	H-40	82'			Surface Production		
5-1/2"	15.5#	8RD	J-55	3339'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	72KB	65	Halliburton		
5-1/2	3329' KB	100	Halliburton		
2-3/8	3278'				

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. 3222'-3292' - IR-27.6 BPM		fraced w/24,630	gals oil, 22,500# sand, 125			rubber balls,

TOOLS USED

Rotary tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet

Cable tools were used from -0- feet to 3329' feet, and from ____ feet to ____ feet

DATES

April 28, 19 59 Put to producing ____, 19____

The production for the first 24 hours was Pumped 94 barrels of fluid of which 100% was oil; ____% emulsion; ____% water; and ____% sediment. 1-1/4" pump, 32" stroke, 16 SPM 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

Benson-Montin-Greer, Driller Rufus Dunlap, Driller

Bill Wels, Driller E. H. Washburn, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
-0-	625	625	Shale
625	650	25	Sandy shale
650	675	25	Sahle
675	795	120	Sand
795	850	55	Sandy shale
850	860	10	Sahle
860	875	15	Shale and shells
875	890	15	Shale
890	910	20	Sandy shale
910	920	10	Shale
920	930	10	Sand
930	935	5	Shale
935	940	5	Black shale
940	960	20	Shale
960	975	15	Shale and sandy
975	1060	86	Shale
1060	1080	20	Sand
1080	1105	25	Sandy shale
1105	1145	40	Shale
1145	1195	50	Sand
1195	1230	35	Sandy shale
1230	1270	40	Shale
1270	1280	10	Sand
1280	1355	75	Sandy shale

TOPS:
Point Lookout 1595'
Mancos 2100'
Gallup 3243'

16—48094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1355	1375	20	Sand Water
1375	1420	45	Sand
1420	1435	15	Sandy Shale
1435	1490	55	Shale
1490	1505	15	Sandy shale
1505	1560	55	Shale
1560	1585	25	Sandy shlae
1585	1620	35	Shale
1620	1810	190	Sand
1810	1825	15	Sandy shale
1825	1875	50	Sand
1875	1885	10	Shale
1885	1990	105	Shale sandy
1990	2015	25	Shale
2015	2115	100	Sandy shale
2115	2190	75	Shale
2190	2235	45	Sandy shale
2235	2300	65	Shale
2300	2330	30	Sandy shale
2330	2375	45	Shale
2375	2390	15	Sandy shale
2390	2405	15	Shale
2405	2430	25	Sandy shale
2430	2485	55	Shale
2485	2515	30	Sandy shale
2515	2555	40	Shale
2555	2575	20	Sandy shale
2575	2615	40	Shale
2615	2625	10	Hard Sand
2625	2670	45	Shale
2670	2695	25	Sandy shale
2695	2720	25	Shale
2720	2730	10	Sandy shale
2730	2765	35	Shale
2765	2780	15	Sandy shale
2780	2815	35	Shale
2815	2825	10	Sandy shale
2825	2845	20	Shale
2845	2875	30	Sandy shale
2875	2955	80	Shale
2955	2970	15	Sandy shale
2970	3005	35	Shale
3005	3015	10	Sandy shale
3015	3275	260	Shale
3275	RT 3329	TD 54	Sandy shale

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.