

U. S. LAND OFFICE -----
 SERIAL NUMBER -----
 LEASE OR PERMIT TO PROSPECT -----

UNITED STATES JICARILLA-APACHE
DEPARTMENT OF THE INTERIOR CONTRACT NO. 159
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company WAGENSELLER & AUGUST Address Beverly Hills, California
Lessor or Tract Jicarilla-Apache Field Undesig. P.C. State New Mexico
Well No. 1-S Sec. 6 T. 23NR. 2N Meridian N.M.P.M. County Rio Arriba
Location 790 ft. 321 of N Line and 790 ft. 12 of W Line of Sec. 6 Elevation 7204(est)
(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.

Date **November 8, 1960.** Title **Operator**

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

The summary on this page is for the completion of the well described above.

Commenced drilling Sept. 14, 1960 Finished drilling Sept. 19, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3014 to 3020 (G) No. 4, from _____ to _____
No. 2, from 3027 to 3028 (G) No. 5, from _____ to _____
No. 3, from 3040 to 3050 (G) No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, 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—	
2-3/8	4.7	8	C.F.I.	3070	Guida	---	---	---	Surface
2-3/8	4.7	8	C.F.I.	3100	Float	---	---	---	Prod.
2-3/8	4.7	8	C.F.I.	3070	Reg.	---	---	---	Prod.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	100'	60 Sack	Pump		
4-1/2	3109'	125 Sack	Pump		

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
10-10-60 Western Co. Jet Peris. 2 holes per ft.						3014-20
						3022-26
						3040-50

TOOLS USED

Rotary tools were used from 0 feet to 3200 feet, and from _____ feet to _____ feet

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

DATES

-----, 19----- October 22 60 The production for the first 24 hours was ----- emulsion; -----% water; and -----% sediment.	Put to producing -----, 19----- ----- barrels of fluid of which -----% was oil; -----% Gravity, °Bé. -----
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If gas well, cu. ft. per 24 hours ----- **499 MCF** Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. 961

EMPLOYEES

EMPLOYEES			
	Driller		Driller
J. White	Driller	E. B. Sandefer	Driller
O. J. Green	Driller	Pete Estes	Driller
			Supt.

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	41	41	Surface Sand
41	103	62	Sand and Shale
103	1099	996	Shale and Sand
1099	1514	415	Sand and Shale
1514	2340	826	Shale and Sand
2340	2700	360	Sand and Shale
2700	2960	260	Shale and Sand
2960	3045	85	Shale with Sand Streaks
3045	3075	30	Shale and Sand
3075	3100	25	Hard Sand
3100	3200	100	Shale and Sand

[OVER]
 FORMATION RECORD - CONTINUED

ALCO

— 214 —

16-43084-2

U. S. GOVERNMENT PRINTING OFFICE

9-14-60 Brannon & Murray Drilling Co. spudded at 4:00 P.M., drilled 11" hole to 100'. Cemented 90' of 8-5/8" 24# J-55 R-2 St&C new Casing with 60 Sax cement with 2% cal by Halliburton. Circulated cut 20 sks. Tested 500# for 30 min. Reduced hole to 707/8" at 100'.

9-19-60 Completed drilling 7-7/8" hole to final TD 3200'.

3-19-60 Completed drilling 7-7/8" hole to final TD 3200'

9-20-60. Ran Schlumberger Electric Survey 99' to 3189' and Sonic log 2950' to 3191'. Cemented 4 1/2" 9.5# J-55 R-2 new St&C Csg. at 3109' with 125 sks Ideal Portland cement by Halliburton. Final pressure 1000#. Plug down at 8:15 P.M. Pictured Cliffs Sand logged 3010' to 3050'.

Western Company jet perforated 4 1/2" casing w/2 holes per ft. 3014-20', 3022-26, 3040-50'. Fraced with 40,000 gal. water, 30,000# sand. Formation broke at 2700#. Max. Trtg. press. 2200#, Min. Trtg. press. 1900#. Injection rate 35.8 bbls./min.

3-11-60 Completion unit ran 2-3/8" OD 4.7# J-55 Tubing to 3070' with
perforated nipple 3058b - 3062'.

Well Shut-in, waiting S.I.F.I.P.