

B.M.N.S. Co.

Brown, Mechem, Neilson & Sterns
Box 394
Aztec, New Mexico

H. Wagner Well No. 1 SW $\frac{1}{4}$ Sec. 29 Twp. 30 N. Range 12 W.
2100 feet N. of the S. line and 1670 feet E. of the W. line of
Sec. 29. Twp. 30 N. Range 12 W.

Elevation 5542

Drilling commenced April 25, 1946 and completed June 3, 1946

Producing sands from 1618 feet to 1652

Water sands from 120 feet to 130 feet Rose 50 feet

Water sands from 890 feet to 920 feet Rose 40 feet salty

Water sands from 950 feet to 1007 feet Rose 700 feet

Water sands from 1583 feet to 1597 feet Rose 400 feet

Casing Record

Size	Wt. per ft.	Threads per inch	No. feet
10"	40	8	600
8"	28	10	1050
7"	20	8	1597
5 $\frac{1}{2}$ " cemented with 50 sacks cement	15	10	1619

All out side casing pulled Used cable tools from top to
bottom Completed total depth 1659 feet. Still in the sand
Making 2,200,000 cubic feet natural gas.

Rock pressure per square inch 565 pounds

Drillers employed : Jewey Cantrell
James Sturdevant

Log of the Well

FROM	TO	FORMATION
0	12	Surface
12	55	Sand rock, yellow
55	69	Shale, blue
69	76	Shale, blue
76	85	Shale, blue
85	90	Sand
90	120	Shale, blue
120	130	Gravel; water, can not bail down
130	165	Sand
165	201	Hard conglomerate, Alamo
201	232	Shale, blue
232	265	Conglomerate
265	295	Shale, gray
295	304	Sand, white, hard
304	309	Shale, blue
309	320	Sand, white
320	326	Shale, blue
326	346	Shale, gray
346	360	Shale, blue
360	369	Shale, gray
369	379	Shale, brown
379	390	Shale, gray
390	395	Shell
395	405	Shale, gray
405	420	Shale, blue
420	497	Shale, gray
487	501	Shell
501	530	Show gas, sand
530	540	Shale, blue
540	545	Shell
545	583	Shale, blue, hole caving
583	588	Shell
588	623	Shale, blue; ran 602' 10" casing, shut off
623	635	Sand, hard
635	750	Shale, blue
750	766	Sand
766	784	Shale, blue; sand shells
784	795	Shale, gray
795	820	Shale, blue
820	825	Shale, blue, sandy
825	890	Shale, blue
890	920	Sand, salt water-40 feet
920	950	Shale, blue
950	1007	Sand, gray; more water
1007	1032	Shale, blue
1032	1040	Sand
1040	1047	Shale, blue; ran 1047 feet 8 5/8" casing, shut off
1047	1111	Shale, gray
1111	1114	Sand, gray
1114	1275	Shale, blue
1275	1285	Sand
1285	1300	Shale, blue
1300	1305	Shale, black
1305	1320	Shale, blue
1320	1415	Shale, brown
1415	1435	Shale, gray
1435	1463	Shale, brown
1463	1480	Shale, gray
1480	1490	Shale, brown
1490	1507	Shale, gray
1507	1512	Shale, gray and sandy
1512	1526	Shale, brown
1526	1534	Shale, gray
1534	1583	Shale, brown; hole caving
1583	1597	Coal; ran pipe. 1596' 6" 7" O.D. 400 ft. caving
1597	1599	Shale, blue with gray sand shells
1599	1601	Coal
1601	1610	Sand, gray
1610	1618	Shale, gray
1618	1619	Sand, gray; strong show gas; ran 1619 feet 5 1/2" O.D. Gas, Circulated between 5 & 7 with 10 sacks aquajell. Pumped in 20 sacks aquajel between 7 & 8 but did not get circulation
1619	1626	Sand; gas 554,000
1626	1631	Shale breaks; gas 680,000
1631	1635	Shale breaks; gas 733,000
1635	1636	Sand, gray, light
1636	1640	Sand, gray, dark; gas 1,554,000
1640	1645	Sand, gray, dark; gas 1,850,000
1645	1649	Sand, gray, dark; gas 2,166,000
1649	1652	Sand, gray, dark; gas 2,400,000
1652	1655	Shale, blue
1655	1659	Sand, dark; no increase of gas as Southern Union test after well open for 36 hours 2,200,000

Signed

Leo Sterns