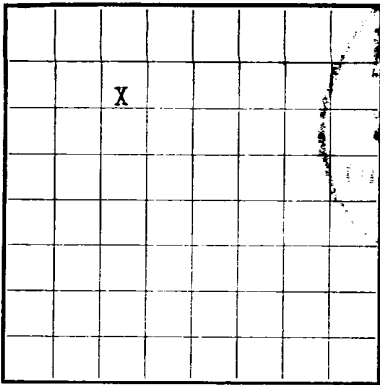


Form 9-330



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF 078673
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Western Natural Gas Address 211 1/2 West Main
Lessor or Tract Schlosser-Federal Field Wildcat State New Mexico
Well No. 1 Sec. 10 T. 27N. R. 11W Meridian NMPM County San Juan
Location 720 ft. [S] of N. Line and 1980 ft. [E] of W. Line of Section 10 Elevation 6249 G.L.
(Derrick floor relative to sea level)

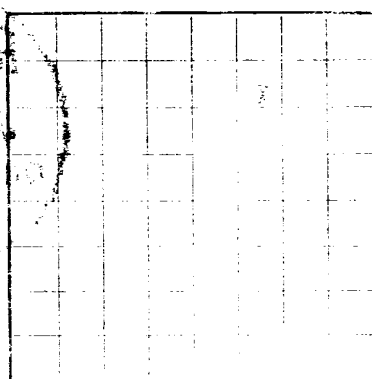
The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.
Date 11-11-60 Title Petroleum Engineer

The summary on this page is for the condition of the well at above date.
Commenced drilling 10-2-1959 Finished drilling 10-27-1959
OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1 from 6610 to 6666 No. 2 from 6666 to 6680 No. 3 from 6680 to 6690
No. 4 from 6690 to 6700 No. 5 from 6700 to 6710 No. 6 from 6710 to 6720
No. 7 from 6720 to 6730 No. 8 from 6730 to 6740 No. 9 from 6740 to 6750
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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG 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 reworking, together with the reasons for the work and its results. If there were any changes made in the casing, state why, 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 pump or bridges were put in to test for water, state kind of material used, position, and results of pumping or filling.

Perforated 7" casing from 6630-6666 w/16 holes using hydraulic perforator w/60,000# of 20-40 mesh sand & 59,430 gals w/1% case. Broke down form w/2000# w/500 gals mud and acid ahead. Average circulating pressure was 1900#. Flushed w/10,920 gals wtr. Overlashed w/840 gals. Avg injection rate was 68.9 BPM. Set Baker model "D" production packer on wireline @ 6608'. Perforated Gallup (Loco zone) from 6036-6054 w/4 jet shots/ft. Treated well w/42,000 gals oil & 40,000# of 20-40 mesh sand w/500 gals mud and acid ahead. No break-down press. Treated @ 2000#. Flushed w/13,062 gals oil. Avg injection rate was 54.8 BPM. Perforated Gallup (Nelson zone) from 5962-5982 w/4 jet shots/ft. Treated well w/40,000# of 20-40 mesh sand & 40,100 gals oil w/500 gals mud and acid ahead. No break-down press. Avg treating press was 1800#. Flushed w/10,710 gals oil. Avg injection rate was 62.7 BPM. Ran 2 3/8" O.D. 8rd EUE 170' 1-55 tubing on 1-55 string for Dakota zone w/btm string @ 6623'. Parallel string anchor is @ 6005 & Baker model "N" production packer @ 6608. Gallip tubing completion string of 2 3/8" O.D. and 8rd 170' 1-55 tubing was landed @ 6033'. On 12-29-59 Dakota zone was potentialled for an absolute open flow of 4,207 McFPD. On 1-9-60 Gallup zone was potentialled for an absolute open flow of 4,219 McFPD based on flow of 90 McFPD @ 1000' choke. Gas-oil ratio was 784/1. The information given herewith is a complete and correct record of the well and all work done thereon. Location 130 ft. S. of N. line and 130 ft. E. of E. line of Section 10, Township 13N, Range 10E, T.34N. R. 11E. Meridian West. County, New Mexico. Lessor or Owner, Oil & Gas Co. of New Mexico. State New Mexico. Address, 1111 First Street, Santa Fe, New Mexico.

HISTORY OF OIL OR GAS WELL

FORMATION RECORD			
FROM-	TO-	TOTAL FEET	FORMATION
0	2031	2031	Sand, shale, and gravel
2031	2140	109	Sand
2140	2180	40	Sand and gravel
2180	2220	40	Gravel
2220	2260	40	Sand and gravel
2260	2300	40	Gravel
2300	2340	40	Sand
2340	2380	40	Gravel and shale
2380	2420	40	Sand, shale, and gravel
2420	2460	40	Gravel
2460	2500	40	Sand and gravel
2500	2540	40	Gravel
2540	2580	40	Sand and gravel
2580	2620	40	Gravel
2620	2660	40	Sand and gravel
2660	2700	40	Gravel
2700	2740	40	Sand and gravel
2740	2780	40	Gravel
2780	2820	40	Sand and gravel
2820	2860	40	Gravel
2860	2900	40	Sand and gravel
2900	2940	40	Gravel
2940	2980	40	Sand and gravel
2980	3020	40	Gravel
3020	3060	40	Sand and gravel
3060	3100	40	Gravel
3100	3140	40	Sand and gravel
3140	3180	40	Gravel
3180	3220	40	Sand and gravel
3220	3260	40	Gravel
3260	3300	40	Sand and gravel
3300	3340	40	Gravel
3340	3380	40	Sand and gravel
3380	3420	40	Gravel
3420	3460	40	Sand and gravel
3460	3500	40	Gravel
3500	3540	40	Sand and gravel
3540	3580	40	Gravel
3580	3620	40	Sand and gravel
3620	3660	40	Gravel
3660	3700	40	Sand and gravel
3700	3740	40	Gravel
3740	3780	40	Sand and gravel
3780	3820	40	Gravel
3820	3860	40	Sand and gravel
3860	3900	40	Gravel
3900	3940	40	Sand and gravel
3940	3980	40	Gravel
3980	4020	40	Sand and gravel
4020	4060	40	Gravel
4060	4100	40	Sand and gravel
4100	4140	40	Gravel
4140	4180	40	Sand and gravel
4180	4220	40	Gravel
4220	4260	40	Sand and gravel
4260	4300	40	Gravel
4300	4340	40	Sand and gravel
4340	4380	40	Gravel
4380	4420	40	Sand and gravel
4420	4460	40	Gravel
4460	4500	40	Sand and gravel
4500	4540	40	Gravel
4540	4580	40	Sand and gravel
4580	4620	40	Gravel
4620	4660	40	Sand and gravel
4660	4700	40	Gravel
4700	4740	40	Sand and gravel
4740	4780	40	Gravel
4780	4820	40	Sand and gravel
4820	4860	40	Gravel
4860	4900	40	Sand and gravel
4900	4940	40	Gravel
4940	4980	40	Sand and gravel
4980	5020	40	Gravel
5020	5060	40	Sand and gravel
5060	5100	40	Gravel
5100	5140	40	Sand and gravel
5140	5180	40	Gravel
5180	5220	40	Sand and gravel
5220	5260	40	Gravel
5260	5300	40	Sand and gravel
5300	5340	40	Gravel
5340	5380	40	Sand and gravel
5380	5420	40	Gravel
5420	5460	40	Sand and gravel
5460	5500	40	Gravel
5500	5540	40	Sand and gravel
5540	5580	40	Gravel
5580	5620	40	Sand and gravel
5620	5660	40	Gravel
5660	5700	40	Sand and gravel
5700	5740	40	Gravel
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5900	5940	40	Sand and gravel
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5980	6020	40	Sand and gravel
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6060	6100	40	Sand and gravel
6100	6140	40	Gravel
6140	6180	40	Sand and gravel
6180	6220	40	Gravel
6220	6260	40	Sand and gravel
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6300	6340	40	Sand and gravel
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6780	6820	40	Sand and gravel
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6860	6900	40	Sand and gravel
6900	6940	40	Gravel
6940	6980	40	Sand and gravel
6980	7020	40	Gravel
7020	7060	40	Sand and gravel
7060	7100	40	Gravel
7100	7140	40	Sand and gravel
7140	7180	40	Gravel
7180	7220	40	Sand and gravel
7220	7260	40	Gravel
7260	7300	40	Sand and gravel
7300	7340	40	Gravel
7340	7380	40	Sand and gravel
7380	7420	40	Gravel
7420	7460	40	Sand and gravel
7460	7500	40	Gravel
7500	7540	40	Sand and gravel
7540	7580	40	Gravel
7580	7620	40	Sand and gravel
7620	7660	40	Gravel
7660	7700	40	Sand and gravel
7700	7740	40	Gravel
7740	7780	40	Sand and gravel
7780	7820	40	Gravel
7820	7860	40	Sand and gravel
7860	7900	40	Gravel
7900	7940	40	Sand and gravel
7940	7980	40	Gravel
7980	8020	40	Sand and gravel
8020	8060	40	Gravel
8060	8100	40	Sand and gravel
8100	8140	40	Gravel
8140	8180	40	Sand and gravel
8180	8220	40	Gravel
8220	8260	40	Sand and gravel
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8380	8420	40	Sand and gravel
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8460	8500	40	Sand and gravel
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8700	8740	40	Sand and gravel
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8780	8820	40	Sand and gravel
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8940	8980	40	Sand and gravel
8980	9020	40	Gravel
9020	9060	40	Sand and gravel
9060	9100	40	Gravel
9100	9140	40	Sand and gravel
9140	9180	40	Gravel
9180	9220	40	Sand and gravel
9220	9260	40	Gravel
9260	9300	40	Sand and gravel
9300	9340	40	Gravel
9340	9380	40	Sand and gravel
9380	9420	40	Gravel
9420	9460	40	Sand and gravel
9460	9500	40	Gravel
9500	9540	40	Sand and gravel
9540	9580	40	Gravel
9580	9620	40	Sand and gravel
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9660	9700	40	Sand and gravel
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9740	9780	40	Sand and gravel
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9820	9860	40	Sand and gravel
9860	9900	40	Gravel
9900	9940	40	Sand and gravel
9940	9980	40	Gravel
9980	10020	40	Sand and gravel
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10060	10100	40	Sand and gravel
10100	10140	40	Gravel
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10180	10220	40	Gravel
10220	10260	40	Sand and gravel
10260	10300	40	Gravel
10300	10340	40	Sand and gravel
10340	10380	40	Gravel
10380	10420	40	Sand and gravel
10420	10460	40	Gravel
10460	10500	40	Sand and gravel
10500	10540	40	Gravel
10540	10580	40	Sand and gravel
10580	10620	40	Gravel
10620	10660	40	Sand and gravel
10660	10700	40	Gravel
10700	10740	40	Sand and gravel
10740	10780	40	Gravel
10780	10820	40	Sand and gravel
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10860	10900	40	Sand and gravel
10900	10940	40	Gravel
10940	10980	40	Sand and gravel
10980	11020	40	Gravel
11020	11060	40	Sand and gravel
11060	11100	40	Gravel
11100	11140	40	Sand and gravel
11140	11180	40	Gravel
11180	11220	40	Sand and gravel
11220	11260	40	Gravel
11260	11300	40	Sand and gravel
11300	11340	40	Gravel
11340	11380	40	Sand and gravel
11380	11420	40	Gravel
11420	11460	40	Sand and gravel
11460	11500	40	Gravel
11500	11540	40	Sand and gravel
11540	11580	40	Gravel
11580	11620	40	Sand and gravel
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11740	11780	40	Sand and gravel
11780	11820	40	Gravel
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11980	12020	40	Sand and gravel
12020	12060	40	Gravel
12060	12100	40	Sand and gravel
12100	12140	40	Gravel
12140	12180	40	Sand and gravel
12180	12220	40	Gravel
12220	12260	40	Sand and gravel
12260	12300	40	Gravel
12300	12340	40	Sand and gravel
12340	12380	40	Gravel
12380	12420	40	Sand and gravel
12420	12460	40	Gravel
12460	12500	40	Sand and gravel
12500	12540	40	Gravel
12540	12580	40	Sand and gravel
12580	12620	40	Gravel
12620	12660	40	Sand and gravel
12660	12700	40	Gravel
12700	12740	40	Sand and gravel
12740	12780	40	Gravel
12780	12820	40	Sand and gravel
12820	12860	40	Gravel
12860	12900	40	Sand and gravel
12900	12940	40	Gravel
12940	12980	40	Sand and gravel
12980	13020	40	Gravel
13020	13060	40	Sand and gravel
13060	13100	40	Gravel
13100	13140	40	Sand and gravel
13140	13180	40	Gravel
13180	13220	40	Sand and gravel
13220	13260	40	Gravel
13260	13300	40	Sand and gravel
13300	13340	40	Gravel
13340	13380	40	Sand and gravel
13380	13420	40	Gravel
13420	13460	40	Sand and gravel
13460	13500	40	Gravel
13500	13540	40	Sand and gravel
13540	13580	40	Gravel
13580	13620	40	Sand and gravel
13620	13660	40	Gravel
13660	13700	40	Sand and gravel
13700	13740	40	Gravel
13740	13780	40	Sand and gravel
13780	13820	40	Gravel
13820	13860	40	Sand and gravel
13860	13900	40	Gravel
13900	13940	40	Sand and gravel
13940	13980	40	Gravel
13980	14020	40	Sand and gravel
14020	14060	40	Gravel
14060	14100	40	Sand and gravel
14100	14140	40	Gravel
14140	14180	40	Sand and gravel
14180	14220	40	Gravel
14220	14260	40	Sand and gravel
14260	14300	40	Gravel
14300	14340	40	Sand and gravel
14340	14380	40	Gravel
14380	14420	40	Sand and gravel
14420	14460	40	Gravel
14460	14500	40	Sand and gravel
14500	14540	40	Gravel
14540	14580	40	Sand and gravel
14580	14620	40	Gravel
14620	14660	40	Sand and gravel
14660	14700	40	Gravel
14700	14740	40	Sand and gravel
14740	14780	40	Gravel
14780	14820	40	Sand and gravel
14820	14860	40	Gravel
14860	14900	40	Sand and gravel
14900	14940	40	Gravel
14940	14980	40	Sand and gravel
14980	15020	40	Gravel
15020	15060	40	Sand and gravel
15060	15100	40	Gravel
15100	15140	40	Sand and gravel
15140	15180	40	Gravel
15180	15220	40	Sand and gravel
15220	15260	40	Gravel
15260	15300	4	