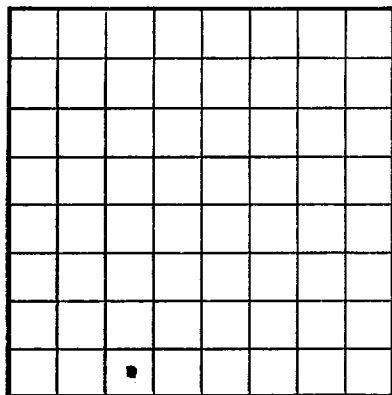




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 028755
LEASE OR PERMIT TO PROSPECT Henry Russell

890W

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

20-05-00645

LOG OF OIL OR GAS WELL

Company Empire Gas and Fuel Co. Address Bartlesville, Oklahoma
Lessor or Tract Henry Russell Field Artesia State New Mexico
Well No. 1-A Sec. 35 T. 17S R. 27E Meridian N.M.P.M. County Eddy
Location 330 ft. (N.) of S. Line and 1650 ft. (E.) of W. Line of S. W. 1/4 Elevation 3615
(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 /s/ Geo. E. Davis

Date July 13, 1926 Title District Foreman

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

Commenced drilling May 15, 1926 Finished drilling July 1, 1926

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

No. 1, from 405' to 412' No. 4, from _____ to _____
No. 2, from 1592' to 1609' No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 688' to 713' No. 3, from _____ to _____
No. 2, from 838' to 840' 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—	
<u>12 1/2</u>	<u>50#</u>	<u>8</u>	<u>Nat'l</u>	<u>713'</u>	<u>Nat'l</u>				
<u>10</u>	<u>40</u>	<u>8</u>	<u>Youngstown</u>	<u>1217'</u>	<u>Texas Pattern</u>				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used

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
<u>5 1/2"</u>	<u>17'</u>	<u>Solidified</u>	<u>70 qts</u>	<u>7/10</u>	<u>1592-1609'</u>	<u>Cleaning out at present</u>

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 1630' feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____
The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. 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

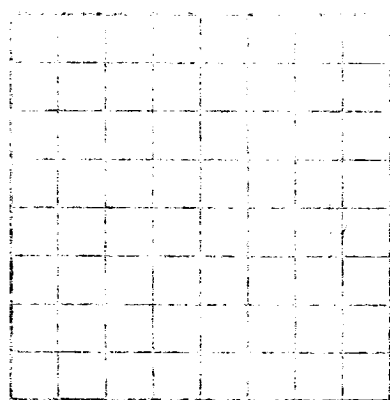
S. L. Rockwell, Driller Dan Webb, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>5</u>	<u>15</u>	<u>10</u>	<u>Red Gypsum</u>
<u>15</u>	<u>35</u>	<u>20</u>	<u>Pink and white gyp & gray anhydrite</u>
<u>35</u>	<u>45</u>	<u>10</u>	<u>Gray & white gypsum</u>
<u>45</u>	<u>60</u>	<u>15</u>	<u>Gray anhydrite, some gypsum</u>
<u>60</u>	<u>65</u>	<u>5</u>	<u>White gypsum</u>
<u>65</u>	<u>70</u>	<u>5</u>	<u>Gray anhydrite & brown lime</u>
<u>70</u>	<u>88</u>	<u>18</u>	<u>Gypsum & anhydrite</u>
<u>88</u>	<u>95</u>	<u>7</u>	<u>Gray lime and anhydrite</u>
<u>95</u>	<u>110</u>	<u>15</u>	<u>Gray anhydrite</u>
<u>110</u>	<u>115</u>	<u>5</u>	<u>Red sandy shale</u>
<u>115</u>	<u>120</u>	<u>5</u>	<u>White anhydrite & some red beds</u>
<u>120</u>	<u>127</u>	<u>7</u>	<u>Gray lime, some anhydrite</u>
<u>127</u>	<u>158</u>	<u>31</u>	<u>Red beds & gypsum</u>
<u>158</u>	<u>175</u>	<u>17</u>	<u>Red beds</u>
<u>175</u>	<u>206</u>	<u>31</u>	<u>Anhydrite & red beds</u>
<u>206</u>	<u>210</u>	<u>4</u>	<u>Red beds</u>
<u>210</u>	<u>215</u>	<u>5</u>	<u>Dolomitic lime & anhydrite</u>
<u>215</u>	<u>230</u>	<u>15</u>	<u>Dolomite, some anhy. and red beds</u>
<u>230</u>	<u>260</u>	<u>30</u>	<u>Red beds</u>
<u>260</u>	<u>265</u>	<u>5</u>	<u>Red lime</u>
<u>265</u>	<u>270</u>	<u>5</u>	<u>Gray anhydrite</u>
<u>270</u>	<u>275</u>	<u>5</u>	<u>Red lime and anhydrite</u>
<u>275</u>	<u>280</u>	<u>5</u>	<u>Anhydrite & red beds</u>
<u>280</u>	<u>285</u>	<u>5</u>	<u>Gray dolomite</u>
<u>285</u>	<u>302</u>	<u>17</u>	<u>Gray dolomite & anhydrite</u>
<u>302</u>	<u>310</u>	<u>8</u>	<u>Pink anhydrite</u>

UNITED STATES
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GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



1196	1205	pink sand.
1187	1196	pink sandy dolomite, gray anhydrite &
1180	1187	Red beds, sand, some anhydrite
1170	1180	Gray anhydrite
1160	1170	pink sand, dolomite & some anhydrite
1149	1160	Gray and pink anhydrite & dolomite
1142	1149	Dark gray lime & anhydrite
1130	1142	Red and gray anhydrite
1115	1130	Gray anhydrite
1110	1115	Gray anhydrite
1096	1110	Red and gray anhydrite
1091	1096	pink lime and some anhydrite
1085	1091	Gray anhydrite
1075	1085	Red beds and anhydrite
1070	1075	Red lime and anhydrite
1060	1070	Red lime
1055	1060	Gray anhydrite
1050	1055	Red and gray anhydrite
1007	1050	Gray anhydrite
1002	1007	Gray anhydrite & gray shale
997	1002	Gray anhydrite & some lime
992	997	Gray lime
987	992	Red beds and gray anhydrite
982	987	Gray anhydrite
976	982	Red beds and anhydrite
963	976	Gray anhydrite
957	963	Red beds and gray anhydrite
951	957	Gray anhydrite
945	951	Gray anhydrite & red beds

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 "staked" 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

FROM	TO	TOTAL FEET	FORMATION
320	320	10	White anhydrite & beds
325	320	5	Brown dolomite & white anhydrite
330	325	5	Red beds
343	330	13	Gray lime & red beds
348	343	5	Limey red beds and anhydrite
350	348	2	Red beds
380	350	30	Pink anhydrite, little lime
402	380	22	Anhydrite
407	402	5	Sandy lime & anhydrite, show oil
412	407	5	Gray dolomite & anhydrite
416	412	4	Gray dolomite
419	416	3	Anhydrite & blue shale
433	419	14	Gray dolomite
440	433	7	Anhydrite
450	440	10	Gray dolomite
457	450	7	Dolomite & anhydrite
467	457	10	Anhydrite
471	467	4	Dolomite & anhydrite
475	471	4	Anhydrite
480	475	5	Dolomite & anhydrite
498	480	18	Anhydrite
568	498	70	Gray anhydrite
573	568	5	Gray lime
578	573	5	Gray shale & anhydrite
582	578	4	Gray lime and anhydrite
588	582	6	Gray anhydrite
593	588	5	Gray lime & anhydrite
598	593	5	Gray shale and anhydrite
621	598	23	Gray anhydrite
627	621	6	Red beds and gypsum
639	627	12	Gray anhydrite
645	639	6	Gray lime
648	645	3	Hard gray dolomitic anhydrite
656	648	8	Gray anhydrite
665	656	9	Red rock with gray anhydrite
670	665	5	Gray anhydrite
675	670	5	Gray anhydrite
690	675	15	Gray dolomite & anhydrite
693	690	3	Gray anhydrite & red sand
701	693	8	Red sand
707	701	6	Red sand and gypsum
713	707	6	Red sand, 10 barrels water per hour
727	713	14	Gray anhydrite
730	727	3	Gray anhydrite & red beds
735	730	5	Gray anhydrite, red beds & gypsum
740	735	5	Gray anhydrite some red beds
747	740	7	Gray anhydrite
754	747	7	Gray and pink anhydrite
819	754	65	Gray anhydrite
825	819	6	Anhydrite sand and red rock
840	825	15	Anhydrite & sandy rock, HW 830'
845	840	5	Red rock, sandy
858	845	13	Gray anhydrite
864	858	6	Gray & red anhydrite
869	864	5	Gray anhydrite
875	869	6	Gray anhydrite
880	875	5	Gray anhydrite & red rock
885	880	5	Gray anhydrite
885	885	5	Red rock
895	885	10	Red and green shale
900	895	5	Red shale and sand
910	900	10	Red sand
922	910	12	Red beds
933	922	11	Gray anhydrite
945	933	12	Gray anhydrite some red beds