Form 9-330

Budget Bureau No. 42-R355.2.
Approval expires 12-31-52.

U. S. Land Office Las Cruces
Serial Number 028755
Lease or Permit to Prospect H. Russell
30-015-00043

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Empire Gas and Fuel Address Bartlesville, Oklahoma
Lessor or Tract Henry Russell Field Artesia State New Mexico
Well No. 4-A Sec. 35 T. 17S R. 27E Meridian NMPM County Eddy
Location 990 ft. {N.} of S Line and 2310 ft. {W.} of E Line of Section 35 Elevation 3621'5"
(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 23, 1927 Signed /s/Geo. E. Davis
Title District Foreman

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

Commenced drilling October 19, 1927 Finished drilling November 23, 1927

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 412 to 418 No. 4, from to
No. 2, from 1604 to 1616 No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from 530 to 544 No. 3, from to
No. 2, from 702 to 720 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
10"	35#	8	Central Tube	453'	Texas Pattern				
8"	24#	8	Iper	948'	Common				

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

TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet
Cable tools were used from 0 feet to 1624 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

J. E. Evarts, Driller Ollie Ackerman, Driller
J. W. Vandiver, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2	2	Soil
2	6	4	Gypsum
4	90	84	Gypsum shells
90	120	30	Lime
120	178	58	Red bed
178	198	20	Lime
198	218	20	Gypsum
218	228	10	Red bed
228	263	35	Gypsum
263	268	5	Red rock
268	280	12	Lime
280	287	7	Red rock
287	358	71	Gypsum
358	363	5	Red rock
363	412	49	Gypsum
412	418	6	Sand
418	460	42	Gypsum
460	530	70	Lime
530	544	14	Sandy lime
544	668	124	Lime
668	671	3	Red rock
671	681	10	Gypsum
681	702	21	Lime
702	720	18	Red sand
720	733	13	Gypsum
733	738	5	Red bed

(over)

FOLD | MARK

FORMATION RECORD—Continued

FROM	TO	TOTAL FEET	FORMATION
738	776	38	Gypsum
776	786	10	Lime
786	834	48	Gypsum
834	844	10	Lime
844	871	27	Gypsum
871	876	5	Lime
876	901	25	Gypsum
901	905	4	Sandy lime
905	910	5	Gypsum
910	915	5	Lime
915	938	23	Red sand
938	965	27	Lime
965	970	5	Gypsum
970	975	5	Lime
975	1003	28	Gypsum
1003	1015	12	Lime
1015	1070	55	Gypsum
1070	1080	10	Lime
1080	1160	80	Gypsum
1160	1180	20	Sandy lime
1180	1195	15	Sand (show of oil & gas)
1195	1205	10	Lime
1205	1249	44	Gypsum
1249	1285	26	Sandy lime
1285	1295	10	Anhydrite
1295	1305	10	Sand
1305	1320	15	Anhydrite
1320	1335	15	Gypsum
1335	1375	40	Lime
1375	1380	5	Gypsum
1380	1400	20	Lime
1400	1407	7	Gypsum
1407	1416	9	Gray lime
1416	1425	9	Brown lime
1425	1525	100	Gray lime
1525	1540	15	Sandy lime (little oil & gas)
1540	1604	64	Gray lime
1604	1616	12	Sand
1616	1624	8	Sandy lime

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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.