

A 10x10 grid. The top-left cell (row 1, column 1) contains a circled '6'. The top-middle cell (row 1, column 4) contains a '+' sign.

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **N.M. 02931**
LEASE OR PERMIT TO PROSPECT **Saunders**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company R. D. Collier Address P.O. Box 798, Artesia, New Mexico.
 Lessor or Tract Saunders Field Empire State New Mexico.
~~Collier-Saunders~~
 Well No. #1 Sec. 13 T. 17S R. 27E Meridian N.M.P.M. County Eddy
 Location 330 ft. ~~330~~ of N Line and 2310 ft. ~~2310~~ ^[E.] of W Line of Sec. 13 Elevation _____

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 October 17, 1949 Signed R. D. Collier (Signed)
Title Owner

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

Commenced drilling September 30, 1949 Finished drilling October 14, 1949

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by G)

No. 1, from <u>413</u> to <u>427</u> No. 2, from _____ to _____ No. 3, from _____ to _____	No. 4, from _____ to _____ No. 5, from _____ to _____ No. 6, from _____ to _____
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IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7"	400'	25 Sacks Cement	Halliburton	Oil Well Cementing Co.	

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
Acidize:	500 Gallons	20% Acid		10/7/49		
	1000 Gallons			10/10/49	413' to 427'	
					Dowell Chemical Company	

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.
Cable tools were used from 0 feet to 430 feet, and from _____ feet to _____ feet.

DATES

October 14, 1949 Put to producing October 15, 1949

The production for the first 24 hours was 2 Bbls. barrels of fluid of which ----- % was oil; ----- %
After Acid, increased production to 50 Bbls. per day
 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

EMPLOYEES

Carl Byler	Driller	W. R. Woff	Driller
	Driller		Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	3	3	Soil
3	55	52	Anhydrite (Broken)
55	85	30	Gyp
85	100	15	Anhydrite (Broken)
100	160	60	Red Rock
160	195	35	Anhydrite (Broken)
195	225	30	Red Bed
225	270	45	Red Rock
270	274	4	Anhydrite
274	315	41	Anhydrite
315	320	5	Brown Lime
320	360	40	Anhydrite (Broken)
360	370	10	Anhydrite
370	378	8	Red Rock
378	382	4	Lime
382	392	10	Anhydrite
392	400	8	Blue Shale
400	408	8	Lime
408	413	5	Lime and Anhydrite
413	416	3	Lime and with Oil Show
416	427	11	Lime
427	430	3	Lime - Total Depth

(OVER)

FOR THE UNITED STATES DEPARTMENT OF JUSTICE

FROM—	TO—	TOTAL FEET	FORMATION
0	10	3	Blue - Total Depth
10	20	11	Lime
20	30	3	Lime and white oil shale
30	40	3	Lime and Amphirite
40	50	10	Lime
50	60	10	Blue shale
60	70	10	Amphirite
70	80	10	Lime
80	90	10	Amphirite (broken)
90	100	10	Amphirite
100	110	10	Amphirite (broken)
110	120	10	Amphirite (broken)
120	130	10	Amphirite (broken)
130	140	10	Amphirite (broken)
140	150	10	Amphirite (broken)
150	160	10	Amphirite (broken)
160	170	10	Amphirite (broken)
170	180	10	Amphirite (broken)
180	190	10	Amphirite (broken)
190	200	10	Amphirite (broken)
200	210	10	Amphirite (broken)
210	220	10	Amphirite (broken)
220	230	10	Amphirite (broken)
230	240	10	Amphirite (broken)
240	250	10	Amphirite (broken)
250	260	10	Amphirite (broken)
260	270	10	Amphirite (broken)
270	280	10	Amphirite (broken)
280	290	10	Amphirite (broken)
290	300	10	Amphirite (broken)
300	310	10	Amphirite (broken)
310	320	10	Amphirite (broken)
320	330	10	Amphirite (broken)
330	340	10	Amphirite (broken)
340	350	10	Amphirite (broken)
350	360	10	Amphirite (broken)
360	370	10	Amphirite (broken)
370	380	10	Amphirite (broken)
380	390	10	Amphirite (broken)
390	400	10	Amphirite (broken)
400	410	10	Amphirite (broken)
410	420	10	Amphirite (broken)
420	430	10	Amphirite (broken)
430	440	10	Amphirite (broken)
440	450	10	Amphirite (broken)
450	460	10	Amphirite (broken)
460	470	10	Amphirite (broken)
470	480	10	Amphirite (broken)
480	490	10	Amphirite (broken)
490	500	10	Amphirite (broken)
500	510	10	Amphirite (broken)
510	520	10	Amphirite (broken)
520	530	10	Amphirite (broken)
530	540	10	Amphirite (broken)
540	550	10	Amphirite (broken)
550	560	10	Amphirite (broken)
560	570	10	Amphirite (broken)
570	580	10	Amphirite (broken)
580	590	10	Amphirite (broken)
590	600	10	Amphirite (broken)
600	610	10	Amphirite (broken)
610	620	10	Amphirite (broken)
620	630	10	Amphirite (broken)
630	640	10	Amphirite (broken)
640	650	10	Amphirite (broken)
650	660	10	Amphirite (broken)
660	670	10	Amphirite (broken)
670	680	10	Amphirite (broken)
680	690	10	Amphirite (broken)
690	700	10	Amphirite (broken)
700	710	10	Amphirite (broken)
710	720	10	Amphirite (broken)
720	730	10	Amphirite (broken)
730	740	10	Amphirite (broken)
740	750	10	Amphirite (broken)
750	760	10	Amphirite (broken)
760	770	10	Amphirite (broken)
770	780	10	Amphirite (broken)
780	790	10	Amphirite (broken)
790	800	10	Amphirite (broken)
800	810	10	Amphirite (broken)
810	820	10	Amphirite (broken)
820	830	10	Amphirite (broken)
830	840	10	Amphirite (broken)
840	850	10	Amphirite (broken)
850	860	10	Amphirite (broken)
860	870	10	Amphirite (broken)
870	880	10	Amphirite (broken)
880	890	10	Amphirite (broken)
890	900	10	Amphirite (broken)
900	910	10	Amphirite (broken)
910	920	10	Amphirite (broken)
920	930	10	Amphirite (broken)
930	940	10	Amphirite (broken)
940	950	10	Amphirite (broken)
950	960	10	Amphirite (broken)
960	970	10	Amphirite (broken)
970	980	10	Amphirite (broken)
980	990	10	Amphirite (broken)
990	1000	10	Amphirite (broken)

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 "struck" or left in the well, give its size and location. If the well has been drilled, 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.

WATER BANDS
 No. 1 from _____ to _____ feet from _____
 No. 2 from _____ to _____ feet from _____
 No. 3 from _____ to _____ feet from _____
 No. 4 from _____ to _____ feet from _____
 No. 5 from _____ to _____ feet from _____
 No. 6 from _____ to _____ feet from _____
 No. 7 from _____ to _____ feet from _____
 No. 8 from _____ to _____ feet from _____
 No. 9 from _____ to _____ feet from _____
 No. 10 from _____ to _____ feet from _____

OIL OR GAS SANDS OR ZONES
 No. 1 from _____ to _____ feet from _____
 No. 2 from _____ to _____ feet from _____
 No. 3 from _____ to _____ feet from _____
 No. 4 from _____ to _____ feet from _____
 No. 5 from _____ to _____ feet from _____
 No. 6 from _____ to _____ feet from _____
 No. 7 from _____ to _____ feet from _____
 No. 8 from _____ to _____ feet from _____
 No. 9 from _____ to _____ feet from _____
 No. 10 from _____ to _____ feet from _____

LOG OF OIL OR GAS WELL
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY
 UNITED STATES
 Address: P. O. Box 728, Chicago, Ill.
 State: New Mexico
 County: _____
 Location: _____
 Date: October 17, 1948
 Signed: R. D. Collier (Owner)
 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.