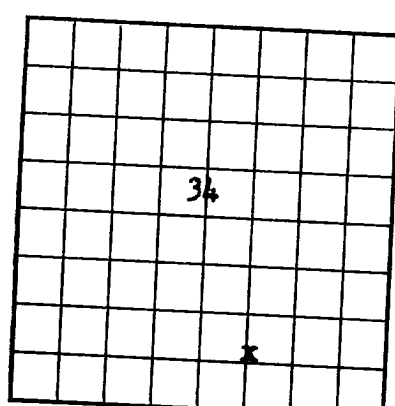


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 029431
LEASE OR PERMIT TO PROSPECT Etc

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Sanders Brother Address Box 746, Artesia, N. M.
 Lessor or Tract Etz Field High Lonesome State New Mexico
 Well No. 4 Sec. 34 T. 16N R. 30E Meridian NPMN County Eddy
 Location 660 ft. N. of S Line and 1980 ft. E. of E Line of Sec. 34 Elevation 3744
 (Derive Elevation from 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 May 27, 1942 Signed Forrest Warren
 Title Bookkeeper

The summary on this page is for the condition of the well at above date.
 Commenced drilling April 19, 1942 Finished drilling May 24, 1942

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2846 to 2848 No. 4, from _____ to _____
 No. 2, from 2983 to 2984 No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 426 to _____ No. 3, from _____ to _____
 No. 2, from 2275 to _____ 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—	
8 5/8"									
7"									
5 1/2"									
(7" pulled when 5 1/2" casing set)									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	<u>529'</u>	<u>50</u>			
7"	<u>2333'</u>				
5 1/2"	<u>2828'</u>	<u>100</u>			
(7" casing pulled when 5 1/2" set)					

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 _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Oil at 2983. Flow so strong that drilling was stopped at 2984 feet. That night in 12 hours it made 600 bbls. in 12 hours. After 2" tubing was set at 2900' this well made 400 barrels in 8 hours. This well has not been shot. Gravity, °Bé. _____
 The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil, _____ % emulsion, _____ % water, and _____ % sediment.

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

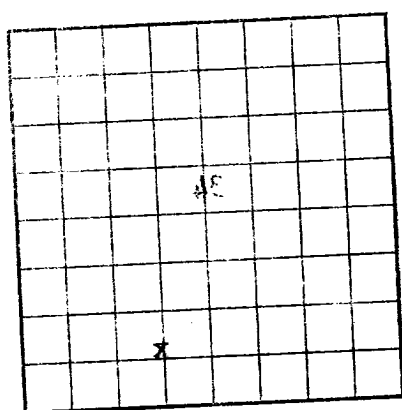
EMPLOYEES

R. T. Brock, Driller Gip Oldham, Driller
Fred Brock, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	45	45	Red Sand
45	172	127	Red Bed & Sand
172	234	62	Red Sand
234	310	85	Red Bed
310	375	56	Red Rock
375	426	51	Anhydrite
426	438	19	Water Sand
438	487	49	Shale & Anhydrite (Run 539' 8 5/8" casing)
487	505	18	Red Bed
505	599	34	Anhydrite (Water at 426' Top of Salt)
599	1180	641	Salt
1180	1250	70	Anhydrite & Salt
1250	1308	56	& Shale
1308	1393	27	& Shale
1393	1428	15	& Shale
1428	1483	37	& Red Shale
1483	1528	38	& Red Shale
1528	1588	61	& Red Rock
1588	1620	44	& Red Shale
1620	1681	82	& Shale
1681	1790	71	& Shale
1790	1917	209	Line
1917	1954	27	Line
1954	2097	37	Line & Anhydrite
2097		43	Anhydrite

FORMATION RECORD—Continued



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY
 UNITED STATES

 Name on Permit to Prospect _____
 Serial Number _____
 U. S. Land Office _____
 Date of Issue _____

 Company _____
 Lessor or Tract _____
 Well No. _____
 Location _____
 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 _____
 The summary on this page is for the condition of the well at above date.
 Commenced drilling _____
 Finished drilling _____
 Signed _____

OIL OR GAS SANDS OR ZONES

No. 1, from	to	No. 2, from	to	No. 3, from	to
2345	2348	2348	2348	2348	2348
No. 1, from	to	No. 2, from	to	No. 3, from	to
2345	2348	2348	2348	2348	2348

IMPORTANT WATER SANDS

No. 1, from	2345	to	No. 2, from	2348	to
No. 1, from	2348	to	No. 2, from	2348	to

CASING RECORD

Casing size	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Portland cement	Purpose
8 1/2"	28.5	10	100	100	100	100	100	100

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 "backtracked" or left in the well, give its size and location. If the well has been dynamited, give date, position, and number of plugs or bridges were put in to test for leaks, state kind of material used, position, and results of pumping or balling.

MUDGING AND CEMENTING RECORD

Casing size	White set	Number sacks of cement	Mud used	Amount of mud used
8 1/2"	28.5	100	100	100

PLUGS AND ADAPTERS

Adapter-Material	Heaving plug-Material	Length	Size	Depth set
8 1/2"	28.5	100	100	100

SHOOTING RECORD

Size	Shot used	Explosive used	Quantity	Date	Depth shot	Depth cleared out
8 1/2"	28.5	100	100	100	100	100

TOOLS USED

Rotary tools were used from	feet to	feet and from	feet
2345	2348	2348	2348

DATES

Rotary tools were used from	feet to	feet and from	feet
2345	2348	2348	2348

EMPLOYEES

Driller	Driller
2345	2348

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	12	12	Red Sand
12	15	3	Red Sand & Sand
15	20	5	Red Sand
20	25	5	Red Sand
25	30	5	Red Sand
30	35	5	Red Sand
35	40	5	Red Sand
40	45	5	Red Sand
45	50	5	Red Sand
50	55	5	Red Sand
55	60	5	Red Sand
60	65	5	Red Sand
65	70	5	Red Sand
70	75	5	Red Sand
75	80	5	Red Sand
80	85	5	Red Sand
85	90	5	Red Sand
90	95	5	Red Sand
95	100	5	Red Sand
100	105	5	Red Sand
105	110	5	Red Sand
110	115	5	Red Sand
115	120	5	Red Sand
120	125	5	Red Sand
125	130	5	Red Sand
130	135	5	Red Sand
135	140	5	Red Sand
140	145	5	Red Sand
145	150	5	Red Sand
150	155	5	Red Sand
155	160	5	Red Sand
160	165	5	Red Sand
165	170	5	Red Sand
170	175	5	Red Sand
175	180	5	Red Sand
180	185	5	Red Sand
185	190	5	Red Sand
190	195	5	Red Sand
195	200	5	Red Sand
200	205	5	Red Sand
205	210	5	Red Sand
210	215	5	Red Sand
215	220	5	Red Sand
220	225	5	Red Sand
225	230	5	Red Sand
230	235	5	Red Sand
235	240	5	Red Sand
240	245	5	Red Sand
245	250	5	Red Sand
250	255	5	Red Sand
255	260	5	Red Sand
260	265	5	Red Sand
265	270	5	Red Sand
270	275	5	Red Sand
275	280	5	Red Sand
280	285	5	Red Sand
285	290	5	Red Sand
290	295	5	Red Sand
295	300	5	Red Sand
300	305	5	Red Sand
305	310	5	Red Sand
310	315	5	Red Sand
315	320	5	Red Sand
320	325	5	Red Sand
325	330	5	Red Sand
330	335	5	Red Sand
335	340	5	Red Sand
340	345	5	Red Sand
345	350	5	Red Sand
350	355	5	Red Sand
355	360	5	Red Sand
360	365	5	Red Sand
365	370	5	Red Sand
370	375	5	Red Sand
375	380	5	Red Sand
380	385	5	Red Sand
385	390	5	Red Sand
390	395	5	Red Sand
395	400	5	Red Sand
400	405	5	Red Sand
405	410	5	Red Sand
410	415	5	Red Sand
415	420	5	Red Sand
420	425	5	Red Sand
425	430	5	Red Sand
430	435	5	Red Sand
435	440	5	Red Sand
440	445	5	Red Sand
445	450	5	Red Sand
450	455	5	Red Sand
455	460	5	Red Sand
460	465	5	Red Sand
465	470	5	Red Sand
470	475	5	Red Sand
475	480	5	Red Sand
480	485	5	Red Sand
485	490	5	Red Sand
490	495	5	Red Sand
495	500	5	Red Sand
500	505	5	Red Sand
505	510	5	Red Sand
510	515	5	Red Sand
515	520	5	Red Sand
520	525	5	Red Sand
525	530	5	Red Sand
530	535	5	Red Sand
535	540	5	Red Sand
540	545	5	Red Sand
545	550	5	Red Sand
550	555	5	Red Sand
555	560	5	Red Sand
560	565	5	Red Sand
565	570	5	Red Sand
570	575	5	Red Sand
575	580	5	Red Sand
580	585	5	Red Sand
585	590	5	Red Sand
590	595	5	Red Sand
595	600	5	Red Sand
600	605	5	Red Sand
605	610	5	Red Sand
610	615	5	Red Sand
615	620	5	Red Sand
620	625	5	Red Sand
625	630	5	Red Sand
630	635	5	Red Sand
635	640	5	Red Sand
640	645	5	Red Sand
645	650	5	Red Sand
650	655	5	Red Sand
655	660	5	Red Sand
660	665	5	Red Sand
665	670	5	Red Sand
670	675	5	Red Sand
675	680	5	Red Sand
680	685	5	Red Sand
685	690	5	Red Sand
690	695	5	Red Sand
695	700	5	Red Sand
700	705	5	Red Sand
705	710	5	Red Sand
710	715	5	Red Sand
715	720	5	Red Sand
720	725	5	Red Sand
725	730	5	Red Sand
730	735	5	Red Sand
735	740	5	Red Sand
740	745	5	Red Sand
745	750	5	Red Sand
750	755	5	Red Sand
755	760	5	Red Sand
760	765	5	Red Sand
765	770	5	Red Sand
770	775	5	Red Sand
775	780	5	Red Sand
780	785	5	Red Sand
785	790	5	Red Sand
790	795	5	Red Sand
795	800	5	Red Sand
800	805	5	Red Sand
805	810	5	Red Sand
810	815	5	Red Sand
815	820	5	Red Sand
820	825	5	Red Sand
825	830	5	Red Sand
830	835	5	Red Sand
835	840	5	Red Sand
840	845	5	Red Sand
845	850	5	Red Sand
850	855	5	Red Sand
855	860	5	Red Sand
860	865	5	Red Sand
865	870	5	Red Sand
870	875	5	Red Sand
875	880	5	Red Sand
880	885	5	Red Sand
885	890	5	Red Sand
890	895	5	Red Sand
895	900	5	Red Sand
900	905	5	Red Sand
905	910	5	Red Sand
910	915	5	Red Sand
915	920	5	Red Sand
920	925	5	Red Sand
925	930	5	Red Sand
930	935	5	Red Sand
935	940	5	Red Sand
940	945	5	Red Sand
945	950	5	Red Sand
950	955	5	Red Sand
955	960	5	Red Sand
960	965	5	Red Sand
965	970	5	Red Sand
970	975	5	Red Sand
975	980	5	Red Sand
980	985	5	Red Sand
985	990	5	Red Sand
990	995	5	Red Sand
995	1000	5	Red Sand

FORMATION RECORD—Continued