

J. S. LAND OFFICE Las CrucesSERIAL NUMBER 080180

LEASE OR PERMIT TO PROSPECT

C. FarnsworthDEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Midwest Refining Address Box 1075 Casper WyomingLessor or Tract C. Farnsworth Field Jal. State New MexicoWell No. 242 Sec. 13 T. 26N R. 36E Meridian County LosLocation 1.30 (N.) of S Line and 9.70 (W.) of Line of Sec 13 Elevation 2990
(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 C. C. Scott by [Signature]Date August 6, 1930Title District Superintendent

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

Commenced drilling April 21, 1930, 19____ Finished drilling July 27, 1930, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3830 to 3632 Show O&G No. 4, from _____ to _____No. 2, from 3206 to 3207 Show G No. 5, from _____ to _____No. 3, from 3221 to 3235 Oil main pay from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 135 to 145 No. 3, from 530 to 535No. 2, from 170 to 175 No. 4, from 640 to 700No. 5, from 1320 to 1325

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
<u>14"</u>	<u>50</u>	<u>8</u>	<u>Standard</u>	<u>100</u>	<u>Plain</u>	<u>Base of Salt</u>			<u>Water</u>
<u>15"</u>	<u>50</u>	<u>8</u>	<u>Standard</u>	<u>100</u>	<u>Plain</u>	<u>Base of Salt</u>			<u>Base Salt</u>
<u>16"</u>	<u>45</u>	<u>8</u>	<u>Standard</u>	<u>100</u>	<u>Plain</u>	<u>Base of Salt</u>			<u>Base Salt</u>
							<u>in line</u>		

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>16"</u>	<u>558' 0"</u>	<u>25</u>	<u>Placed with bailer</u>		
<u>15"</u>	<u>1368' 7"</u>	<u>111</u>	<u>Caliburton 2 Plug</u>		
<u>10 1/2"</u>	<u>3072'</u>	<u>75</u>	<u>Ditto</u>		

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 3235 feet, and from _____ feet to _____ feetCable tools were used from 0 feet to 3235 feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____

The production for the first 24 hours was 600 barrels of fluid of which 100 % 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

Alamo Drilling Co., Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
<u>0</u>	<u>135</u>	<u>135</u>	<u>Sand</u>
<u>135</u>	<u>145</u>	<u>10</u>	<u>Water sand</u>
<u>145</u>	<u>175</u>	<u>30</u>	<u>Sand (more water at 170')</u>
<u>175</u>	<u>300</u>	<u>125</u>	<u>Red bed</u>
<u>300</u>	<u>315</u>	<u>15</u>	<u>Gravel</u>
<u>315</u>	<u>330</u>	<u>15</u>	<u>Gravel</u>
<u>330</u>	<u>335</u>	<u>5</u>	<u>Water sand</u>
<u>335</u>	<u>340</u>	<u>5</u>	<u>Hard shell</u>
<u>340</u>	<u>370</u>	<u>30</u>	<u>Red rock</u>
<u>370</u>	<u>485</u>	<u>115</u>	<u>Gravel</u>
<u>485</u>	<u>500</u>	<u>15</u>	<u>Sand</u>
<u>500</u>	<u>530</u>	<u>30</u>	<u>Gravel</u>
<u>530</u>	<u>558</u>	<u>28</u>	<u>Shale</u>
<u>558</u>	<u>620</u>	<u>62</u>	<u>Red rock</u>
<u>620</u>	<u>690</u>	<u>70</u>	<u>Red rock</u>
<u>690</u>	<u>700</u>	<u>10</u>	<u>Red rock</u> <u>and 4 barrels per hour</u>
<u>700</u>	<u>735</u>	<u>35</u>	<u>Red rock</u>
<u>735</u>	<u>1205</u>	<u>470</u>	<u>Red rock</u>
<u>1205</u>	<u>1210</u>	<u>5</u>	<u>Anhydrite</u>
<u>1210</u>	<u>1240</u>	<u>30</u>	<u>Red rock</u>
<u>1240</u>	<u>1260</u>	<u>20</u>	<u>Anhydrite</u>
<u>1260</u>	<u>1310</u>	<u>50</u>	<u>Anhydrite</u>
<u>1310</u>	<u>1315</u>	<u>5</u>	<u>Blue shale</u>

FROM

TO

TOTAL FEET

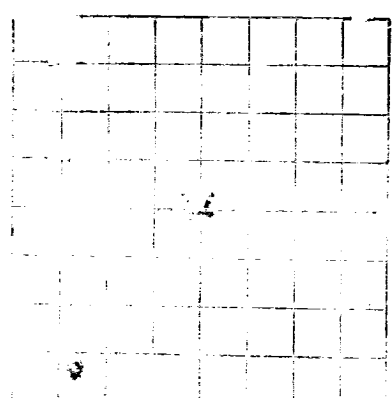
FORMATION

FORMATION RECORD—CONTINUED

(OVER)

U.S. GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WASHINGTON, D.C.

LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Company Name _____
Location of Well _____
Section _____ Township _____ Range _____
Name of Driller _____
Date of Drilling _____

Information given in this log is for the use of the Bureau of Land Management and is not to be used for any other purpose without the written consent of the Bureau.

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.

History of Oil or Gas Well

FROM	TO	TOTAL FEET	FORMATION
1500	1495	5	Shale
1495	1490	5	Shale
1490	1485	5	Shale
1485	1480	5	Shale
1480	1475	5	Shale
1475	1470	5	Shale
1470	1465	5	Shale
1465	1460	5	Shale
1460	1455	5	Shale
1455	1450	5	Shale
1450	1445	5	Shale
1445	1440	5	Shale
1440	1435	5	Shale
1435	1430	5	Shale
1430	1425	5	Shale
1425	1420	5	Shale
1420	1415	5	Shale
1415	1410	5	Shale
1410	1405	5	Shale
1405	1400	5	Shale
1400	1395	5	Shale
1395	1390	5	Shale
1390	1385	5	Shale
1385	1380	5	Shale
1380	1375	5	Shale
1375	1370	5	Shale
1370	1365	5	Shale
1365	1360	5	Shale
1360	1355	5	Shale
1355	1350	5	Shale
1350	1345	5	Shale
1345	1340	5	Shale
1340	1335	5	Shale
1335	1330	5	Shale
1330	1325	5	Shale
1325	1320	5	Shale
1320	1315	5	Shale
1315	1310	5	Shale
1310	1305	5	Shale
1305	1300	5	Shale
1300	1295	5	Shale
1295	1290	5	Shale
1290	1285	5	Shale
1285	1280	5	Shale
1280	1275	5	Shale
1275	1270	5	Shale
1270	1265	5	Shale
1265	1260	5	Shale
1260	1255	5	Shale
1255	1250	5	Shale
1250	1245	5	Shale
1245	1240	5	Shale
1240	1235	5	Shale
1235	1230	5	Shale
1230	1225	5	Shale
1225	1220	5	Shale
1220	1215	5	Shale
1215	1210	5	Shale
1210	1205	5	Shale
1205	1200	5	Shale
1200	1195	5	Shale
1195	1190	5	Shale
1190	1185	5	Shale
1185	1180	5	Shale
1180	1175	5	Shale
1175	1170	5	Shale
1170	1165	5	Shale
1165	1160	5	Shale
1160	1155	5	Shale
1155	1150	5	Shale
1150	1145	5	Shale
1145	1140	5	Shale
1140	1135	5	Shale
1135	1130	5	Shale
1130	1125	5	Shale
1125	1120	5	Shale
1120	1115	5	Shale
1115	1110	5	Shale
1110	1105	5	Shale
1105	1100	5	Shale
1100	1095	5	Shale
1095	1090	5	Shale
1090	1085	5	Shale
1085	1080	5	Shale
1080	1075	5	Shale
1075	1070	5	Shale
1070	1065	5	Shale
1065	1060	5	Shale
1060	1055	5	Shale
1055	1050	5	Shale
1050	1045	5	Shale
1045	1040	5	Shale
1040	1035	5	Shale
1035	1030	5	Shale
1030	1025	5	Shale
1025	1020	5	Shale
1020	1015	5	Shale
1015	1010	5	Shale
1010	1005	5	Shale
1005	1000	5	Shale
1000	995	5	Shale
995	990	5	Shale
990	985	5	Shale
985	980	5	Shale
980	975	5	Shale
975	970	5	Shale
970	965	5	Shale
965	960	5	Shale
960	955	5	Shale
955	950	5	Shale
950	945	5	Shale
945	940	5	Shale
940	935	5	Shale
935	930	5	Shale
930	925	5	Shale
925	920	5	Shale
920	915	5	Shale
915	910	5	Shale
910	905	5	Shale
905	900	5	Shale
900	895	5	Shale
895	890	5	Shale
890	885	5	Shale
885	880	5	Shale
880	875	5	Shale
875	870	5	Shale
870	865	5	Shale
865	860	5	Shale
860	855	5	Shale
855	850	5	Shale
850	845	5	Shale
845	840	5	Shale
840	835	5	Shale
835	830	5	Shale
830	825	5	Shale
825	820	5	Shale
820	815	5	Shale
815	810	5	Shale
810	805	5	Shale
805	800	5	Shale
800	795	5	Shale
795	790	5	Shale
790	785	5	Shale
785	780	5	Shale
780	775	5	Shale
775	770	5	Shale
770	765	5	Shale
765	760	5	Shale
760	755	5	Shale
755	750	5	Shale
750	745	5	Shale
745	740	5	Shale
740	735	5	Shale
735	730	5	Shale
730	725	5	Shale
725	720	5	Shale
720	715	5	Shale
715	710	5	Shale
710	705	5	Shale
705	700	5	Shale
700	695	5	Shale
695	690	5	Shale
690	685	5	Shale
685	680	5	Shale
680	675	5	Shale
675	670	5	Shale
670	665	5	Shale
665	660	5	Shale
660	655	5	Shale
655	650	5	Shale
650	645	5	Shale
645	640	5	Shale
640	635	5	Shale
635	630	5	Shale
630	625	5	Shale
625	620	5	Shale
620	615	5	Shale
615	610	5	Shale
610	605	5	Shale
605	600	5	Shale
600	595	5	Shale
595	590	5	Shale
590	585	5	Shale
585	580	5	Shale
580	575	5	Shale
575	570	5	Shale
570	565	5	Shale
565	560	5	Shale
560	555	5	Shale
555	550	5	Shale
550	545	5	Shale
545	540	5	Shale
540	535	5	Shale
535	530	5	Shale
530	525	5	Shale
525	520	5	Shale
520	515	5	Shale
515	510	5	Shale
510	505	5	Shale
505	500	5	Shale
500	495	5	Shale
495	490	5	Shale
490	485	5	Shale
485	480	5	Shale
480	475	5	Shale
475	470	5	Shale
470	465	5	Shale
465	460	5	Shale
460	455	5	Shale
455	450	5	Shale
450	445	5	Shale
445	440	5	Shale
440	435	5	Shale
435	430	5	Shale
430	425	5	Shale
425	420	5	Shale
420	415	5	Shale
415	410	5	Shale
410	405	5	Shale
405	400	5	Shale
400	395	5	Shale
395	390	5	Shale
390	385	5	Shale
385	380	5	Shale
380	375	5	Shale
375	370	5	Shale
370	365	5	Shale
365	360	5	Shale
360	355	5	Shale
355	350	5	Shale
350	345	5	Shale
345	340	5	Shale
340	335	5	Shale
335	330	5	Shale
330	325	5	Shale
325	320	5	Shale
320	315	5	Shale
315	310	5	Shale
310	305	5	Shale
305	300	5	Shale
300	295	5	Shale
295	290	5	Shale
290	285	5	Shale
285	280	5	Shale
280	275	5	Shale
275	270	5	Shale
270	265	5	Shale
265	260	5	Shale
260	255	5	Shale
255	250	5	Shale
250	245	5	Shale
245	240	5	Shale
240	235	5	Shale
235	230	5	Shale
230	225	5	Shale
225	220	5	Shale
220	215	5	Shale
215	210	5	Shale
210	205	5	Shale
205	200	5	Shale
200	195	5	Shale
195	190	5	Shale
190	185	5	Shale
185	180	5	Shale
180	175	5	Shale
175	170	5	Shale
170	165	5	Shale
165	160	5	Shale
160	155	5	Shale
155	150	5	Shale
150	145	5	Shale
145	140	5	Shale
140	135	5	Shale
135	130	5	Shale
130	125	5	Shale
125	120	5	Shale
120	115	5	Shale
115	110	5	Shale
110	105	5	Shale
105	100	5	Shale
100	95	5	Shale
95	90	5	Shale
90	85	5	Shale
85	80	5	Shale
80	75	5	Shale
75	70	5	Shale
70	65	5	Shale
65	60	5	Shale
60	55	5	Shale
55	50	5	Shale
50	45	5	Shale
45	40	5	Shale
40	35	5	Shale
35	30	5	Shale
30	25	5	Shale
25	20	5	Shale
20	15	5	Shale
15	10	5	Shale
10	5	5	Shale