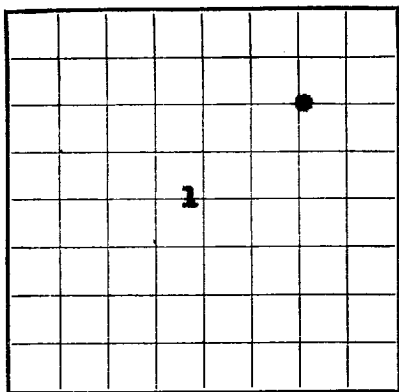


U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **27 078308**
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SEP 23 1959

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company **Southern Union Gas Company** Address **1001 Bart Bldg., Dallas, Texas**
Lessor or Tract **Bordhaus** Field **Blanco W** State **New Mexico**
Well No. **7** Sec. **1** T. **31N** R. **9W** Meridian **N.M.P.M.** County **San Juan**
Location **900** ft. **N** of **1** Line and **990** ft. **W** of **1** Line of **Section 1** Elevation **6529'**
(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 **Paul J. Clote**

Date **September 15, 1959** Title **Drilling and Production**

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

Commenced drilling **August 11**, 19**59** Finished drilling **August 27**, 19**59**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

1st stage
No. 1, from **5724** to **6061' (G)** No. 4, from to
2nd stage
No. 2, from **5332** to **5693' (G)** No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from to No. 3, from to
No. 2, from 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—	
10-3/4	221	KB	165	Halliburton					
7-5/8	3650	KB	200	Halliburton					
5-1/2	3441-6079	KB Liner	275	Halliburton					
4-3/8	3383.76	ISO.							

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	221	KB	165	Halliburton	
7-5/8	3650	KB	200	Halliburton	
5-1/2	3441-6079	KB Liner	275	Halliburton	
4-3/8	3383.76	ISO.			

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
Perf. 1st stage - 3441-6079', pumped w/100,000' sand, 67,000 gals. water, dropped 250 rubber balls, IR - 31.0 RPM, Perf. 2nd stage - 3441-6079', pumped w/92,000' sand 94,750 gals. water, dropped 20 rubber balls. IR - 31.2 RPM						

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

September 1, 19**59**
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 **CAOF** Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in. **5,700 MFTD**
10134 (7 days)

Gardner Bros. Drilling Co., Driller **T. L. Beck**, Driller
B. J. Webb, Driller **Billy M. Rindner**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0 414 819	414 819 6100 TD	414 405 5881	Sand & rock Shale Sand and shale
TSP3: Pictured Cliffs 3417' Cliff House 5383' Point Lookout 5718'			
FROM—	TO—	DEPTH FEET	FORMATION

(OVER)
FORMATION RECORD—Continued



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Journal of Internal Medicine 255: 109–116

U. S. LAND OFFICE
REAR YOUNG ST.
T. R. OF BOSTON TO BOSTON

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WITH CORRECTLY

[illegible]

The information given herewith is a complete and correct record of the well and all work done thereon as far as can be determined from all available records.

Witness my hand and seal of office at Austin, Texas, this 17th day of June, 1906.

J. M. [Signature]

County Clerk

Filed for Record this 17th day of June, 1906.

[Signature] County Clerk

Address _____
State _____
Field _____
Company _____

Lessor or Tract _____
Well No. _____ Sec. _____ T. _____ R. _____
Location _____ ft. _____ of _____ Line and _____ ft. _____ of _____ Line of _____

Special Agent in Charge

Printed by the Government Printer, Ottawa, 1901.

NO. OF CAS BANDS OF 30FPS

(v) $\mu_1 \neq \mu_2$ and $\mu_3 = \mu_4$.

No. 1 from	to	No. 4 from	to
No. 2 from	to	No. 5 from	to
No. 3 from	to	No. 6 from	to

IMPROVING TANTAW SETBACKS

1967	From	to	Nov. 8, from	to
1967	From	to	Nov. 8, from	to

CASING RECORD

Serial No.	Date	Where	Amount	Kind of shoes	Use and purpose	Tested	Purpose
						From	To

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-43094-2

ARRESTING AND CEMENTING RECORD

[illegible]

STUBBS AND ADALERS

[illegible]

SHOOTING RECORD

Two beams diverge	Two beams diverge	Beam	Wavefront	Wavefront	Wavefront	Wavefront

TOOLS USED

test	of test	test and from	test to	test and from
test	of test	test and from	test to	test and from

DATE:

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473
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233445

Driller	Driller	Driller	Driller
Driller	Driller	Driller	Driller

INFORMATION RECORD

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