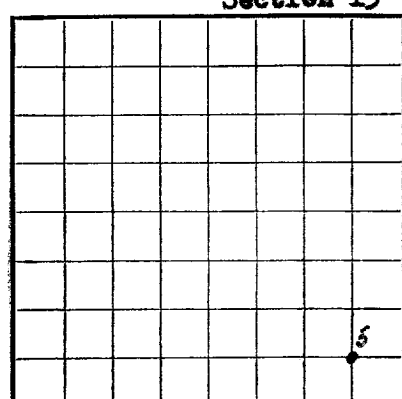


Form 9-330

Section 13



LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **060420**
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Magnolia petroleum Company Address Box 633 Midland, Texas
Lessor or Tract Capps-Federal Field Bough State New Mexico
Capps-Federal Well No. 5 Sec. 13 T. 9-S R. 35-E Meridian N.M.P.M. County Lea Est.
Location 660 ft. N. of S. Line and 660 ft. E. of E. Line of Section 13 Elevation 4109
(Derriek 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 R.T. GERMAN
Date June 25, 1957 Title Division Superintendent

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

Commenced drilling April 10, 1957, 1957 Finished drilling June 2, 1957, 1957

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 4820 to 4860 (G) No. 4, from to
No. 2, from 9625 to 9633 (oil) No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from 80 to 160' No. 3, from 510' to 590'
No. 2, from 380 to 450' 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	32.75	8 RT	Brit.	440					
7-5/8	26.15	8 RT	Brit.	1790					
5-1/2	19.5	8 RT	Brit.	450					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	440'	400	Pump & Plg.		
7-5/8	4180	1790	Pump & Plg.		
5-1/2	9655'	450	Pump & Plg.	1.2	70,830 lbs.

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 0 feet to 9655 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

June 2, 1957 Put to producing June 11, 1957

The production for the first 24 hours was 199 barrels of fluid of which 100 % was oil; % emulsion; % water; and % sediment. Gravity, °Bé. 46.5

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

MAGNOLIA PETROLEUM COMPANY, Driller , Driller
Rig # 5, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
2170	2290	120	Anhydrite
2290	2760	470	Salt
2760	4035	1275	Yates
4035	7660	3625	San Andres
7660	9040	1380	Abo
9040	9200	160	Perma Penn
9200	9555	355	Perma Penn.
9555	9595	40	Bough
9595	9655	60	Bough "C"

SUMMARY

4-10-57 Spudned 9 PM 4-10-57
4-12-57 WOC 10-3/4" Casing on Btm W/400 sx. Circ.
4-18-57 Running Elec. Logs to run 7-5/8" Casing.
4-22-57 Set 7-5/8" Casing @ 4180' W/1790 sx Cem.
5-29-57 Cored 9550-89' fair sh. 9557-65'. Poor sh. 9585'-87'. DST Bough "B".
5-31-57 DST Bough "B" 9540'-9589' 3 hrs. 5/8 X 1" ch. No WC. Nothing to surf. Rec. 810'
Drilling mud 6439' salt water BHP 3340#. 30 min. BHSIP 3340#.
6-3-57 Attempted DST 9609-9630' - 1 1/2 hrs. Leak in Drill Pipe. Rec. 5400' Drlg Mud -
No shows. All Press. zero. DST Bough "C" 9610-9630' 1 hr. 5/8 X 1" ch. No WC.
Rec. 60' Drlg Mud-no shows. All Press. Zero. Cored 9650-55'. Rec 4' lime & shale.
6-4-57 DST Bough "C" 9628-9655' 3 hrs. 5/8 X 1" ch. No WC Gas to surf. 12 Min. Mud in
38 min. Oil in 43 min. Clean to pits 7 min. Fl 51 BNO 1 1/2 hrs. on 1" ch. SFP
180#. GOR2450/1, Gty. 46.5 on 1 1/2" ch. fl 8 BNO 40 min. GOR 1215/1, SFP 490#.
BHP 2125#. 30 min. BHSIP 2845#.

FORMATION RECORD CONTINUED

6-6-57 WOC 5688' of 5 1/2" Liner on 3 1/2" W/120 sx Cem. Top liner @ 3967'.
6-7-57 Ran temp. survey, Top of cement 8535', Set retainer @ 3895'. Cemented over top of
@ 3967' W/300 sx. TP 1400#. WOC.
6-10-57 9655' TD. Circ. to oil. Perf. 5 1/2" Liner @ 9625-9633'. Ran tbg. & Pkr. Installed
Tree. Swabbed 42 BLO 4 hrs. All. Swabbed 31 BNO 3 hrs. Kicking behind swab.
6-11-57 From perf. 9625-33' nat, fl. 37 BNO 7 hrs. 36/64" ch. TP-25#. to 100#. Acid.
W/500 gals. TP-2200#. to Vacuum. Sw. & fl. 37 BLO 12 BAW 3 hrs. fl. 20 BNO 2 hrs.
16/64" ch. TP-750#. On Pot. test fl. 113 BNO 13 hrs. thru 12/64" ch. TP-790#.
6-12-57 OCC Pot. test fl. 199 BNO 24 hrs. 12/64 ch. GOR626/1, Gty. 46.5. Allowl 144#.
BOPD. TP-790#. Comp. 6-10-57. Rig released 3:00 PM 6-11-57.

LOG OF OIL OR GAS WELL

The summary of this page is for the convenience of the reader and is not intended to be a substitute for the full text of the report. The summary is provided for the reader's convenience and is not intended to be a substitute for the full text of the report.

OIL OR GAS SANDS OR LOMES

1. $\frac{1}{2} \sqrt{2} \approx 0.707$ (approx. 70.7%)
 2. $\frac{1}{3} \sqrt{3} \approx 0.577$ (approx. 57.7%)
 3. $\frac{1}{4} \sqrt{4} = 1.000$ (100%)

GENERAL INVESTIGATIONS

1. The $\mathbb{Z}_2$ -action on $\mathbb{R}^n$ is defined by $(x, y) \mapsto (-x, y)$. The quotient space $\mathbb{R}^n / \mathbb{Z}_2$ is homeomorphic to $\mathbb{R}^n$. The quotient map $\pi: \mathbb{R}^n \rightarrow \mathbb{R}^n / \mathbb{Z}_2$ is a diffeomorphism. The quotient map $\pi: \mathbb{R}^n \rightarrow \mathbb{R}^n / \mathbb{Z}_2$ is a diffeomorphism.

FROM: JAMES

1	2	3	4	5	6	7	8	9	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
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It is of the greatest importance to have a complete history of the well. Please state in detail the dates of refilling, 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 "sacked" 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

[illegible]

FORMATION RECORD—Continued

W-0-0 WJ 3885 of 25 "Liner on beam W/30 ex Com. Top liner @ 3967'