

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Humble Oil & Refining Company Address P. O. Box 3082, Durango, Colorado
Lessor or Tract Navajo Tribe of Indians "I" Field Cha Cha Gallup State New Mexico
Well No. 9 Sec. 36 T. 29N R. 11W Meridian NMPM County San Juan
Location 660 ft. N. of S. Line and 1980 ft. EX of E Line of Section 36 Elevation 5966
(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.

Date February 17, 1961 Title Dist. Supt.

The summary on this page is for the condition of the well at above date. \$5000

Commenced drilling January 16, 1961 Finished drilling to TBI January 30, 1961

OIL OR GAS SANDS OR ZONES **COMPLETED: February 13, 19**

No. 1, from 5556 to 5564 No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____

No. 2, from _____ to _____ 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 1901-1902 to 1903-1904 No. 4, from 1905-1906 to 1907-1908

Size tasting	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	

7-5/8 in 1 1/2	21 9.5	8 8	B-10 F-65	199 5302	Baker Baker	Moses Kobak	Wm. H. Brown 5556	Productive
HISTORY OF THE CIVIL SERVICE								
1915-1916								

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7-7/8	205	150	Halliburton	—	—
4-1/2	5654	175	Halliburton	—	—

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 ~~Surface~~ feet to 5656 feet, and from ~~-----~~ feet to ~~-----~~ feet

Cable tools were used from ~~-----~~ feet to ~~-----~~ feet, and from ~~-----~~ feet to ~~-----~~ feet

DATES	
Put to producing	19 62

DATES

-----February 17, 1961----- Put to producing on test: February 12, 1961

The production for the first 24 hours was 285 barrels of fluid of which 166 % was oil, --- % emulsion; --- % water; and --- % sediment. Gravity, °Bé. 43.7

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

Tool Pusher

Wayne Hutson, Driller J. S. Wortman, Driller

A. M. Wheeler, Driller B. R. Day, Driller

FORMATION RECORD

FROM--	TO--	TOTAL FEET	FORMATION
Surface	1514	1514	Animas
1514	2460	946	Pictured Cliffs
2460	4027	1567	Cliff House
4027	4303	276	Point Lookout
4303	5196	893	Mancos
5196	5556	360	Gallup
5556	5606	50	"A" Sand
5606	5656	50	"B" Sand

RECEIVED
FEB 23 1961
GEO. CON. COM.
DIST. 3

[OVER]

FORMATION RECORD - Continued

18-48094-4

IOAEK

DIST 3
 CIV GOV COW
 FEB 53 1961
 RECEIVED

EMIL GODFREY

DEAR

10012 02FD

SHOOTING RECORD

STOP WITH THESE TWO

WEDDING AND GENERAL RECORD

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

Set 7-5/8" surface casing @ 205' and cemented to surface with 150 sacks.

Core #2: 5555-5570'. Recovered 15'. 6' light tan slightly shaley sand, fair show
1' sandy shale, with fractures bleeding oil; 8' brown sandy shale, no sh

Mo. 2, 1900 to

NO. 1 FROM 1901 TO 1902

Drilled 6-3/4" hole to TD of 5656'. (Set 4-1/2" production casing at 5654' and cement with 175 sacks. Perforated 5565-5561' with 2 shots/zone. Sand-oil frac with 30,000 gallons lease crude, 750# admite and 18,500# 20-40 mesh sand. Breakdown pressure 2200#, broke to 1400#; Stage acid in hole 3 barrels at a time, two stages, total 250 gallons MEA. Average injection rate 22.5 barrels/minute @ 2200# while treating formation. Instant shut in pressure 1200#; 5 minute shut in 1000#; 10 minute shut in 800#. Found top of sand at 5538', cleaned out to 5640'. Swabbed 209 barrels loose oil and well started flowing. Flowed remaining loose oil and tested 24 hours flowing through 16/64" choke for 205 barrels oil; no water. Tubing pressure 800#.

The information given here is a complete and correct record of the work and all work done thereon.
Well completed 12-13-61.

Full completed 2-13-01. DRUG SUB: HEROIN. QTY: 1. UNIT: GR. OF: 1. TYPE OF SECT: 36. EMPLOYED: 2220

11/01/2008 20:22 1.553 U TM 710000 0000 251 373

INVESTIGATION OF 1994 NEAR-TERRAPIN COLLISIONS ON THE EAST RIVER BRIDGE

CONFIDENTIAL

Commodity prices are relatively constant. Values are \$'000 per tonne.

POSSIBLE MEET CONNECTIONS

FOG	OF	OIL	OR	GAS	METT
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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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GEORGIOVITZ, BUREAU

100-100000	DEPARTMENT OF THE INTERIOR
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UNITED STATES

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