

U. S. LAND OFFICE NAVAJO TRIBAL
SERIAL NUMBER 14-20-603-584
LEASE OR PERMIT TO PROSPECT -----

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Exploration Drilling Company Address 910 Petroleum Club Bldg., Denver, Colo.
Lessor or Tract Navajo Tribe Field Undesignated State New Mexico
Well No. 8 Sec. 23 T. 32N R. 18W Meridian NMPM County San Juan
Location 950 ft. SW of N Line and 330 ft. EW of E Line of Section 23 Elevation 5425
(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 Robert E. Weiler

Date February 21, 1962 Title Exploration Manager

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

Commenced drilling February 10, 1962 Finished drilling February 15, 1962

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1382 to 1394 No. 4, 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 _____ 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 1/2	23	3	15	15	15	15	1383	1384	15
10 1/2	23	3	15	15	15	15	1391	1394	15

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7"	35.55'	7 ex. reg. plus 2% ccl.			
4-1/2"	1444	40 ex. regular	Pump truck	10.2	23.5 bbls.

PLUGS AND ADAPTERS

Heaving plug—Material	Length	Depth set
Adapters—Material	Size	

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from ~~surface~~ feet to 1445 feet, and from ----- feet to ----- feet

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

DATES

Put to producing **February 24**-----, 19**52**-----

The production for the first 24 hours was 97----- barrels of fluid of which 100-% was oil; ---% emulsion; ---% water; and ---% sediment. Gravity, °Bé. 40°-----

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

Rock pressure, lbs. per sq. in. 3007 (calculated)

		EMPLOYEES			
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

EMPLOYEES

----- Carl Harmon -----, Driller	----- J. V. Gay -----, Driller
----- Wm. Pengilley -----, Driller	-----, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
Surface	1285	1285	100% Debris Manganese, shale, lt. gray to gray, calcareous, becoming silty from 1085 scattered thin v. fn gr. as stringers at 1200 feet.
1285	1382	97	Callup, siltstone, lt gray and v fn gr. white ss with interbedded gray to gray brn calc. shales, white bentonite marker 1333-1335. (2 feet) ss & calc.
1382	1394	12	1382-1383.5 (1.5 feet) ss & calc. 1383-1382 (3 feet) ss & calc. 1381-1383.5 (2.5 feet) ss & calc. as stringers, fn to med gr. very hard and light trace of stain. 1380-1383 (3 feet) ss & calc. or ss & calc. 1382-1380 (2 feet) ss & calc.

FORMATION RECORD—Continued

18-48004-E

IN CASE OF PERMIT TO PROSPECT
 RECORD NUMBER JA-20-202-784
 U.S. LAND OFFICE MAVALIQUILTAI

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

The information given above 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 _____

Date February 21, 1962 _____ Title Exploration Manager _____

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

Exploration Drilling Company
Address 810 Petroleum Clinic Bldg., Denver, Colo.
Field Underestimated State New Mexico
Section 23 Township 23 North Range 23 East
Location 23-27 N. 23 E. Sec. 23 T. 23 N. R. 23 E. M. 23 S.
The information given above 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 _____

Date February 21, 1962 _____ Title Exploration Manager _____

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OIL OF GAS SANDS OR ZONES

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No. 1, from	to	1934	No. 1, from	to
No. 2, from	to		No. 2, from	to
No. 3, from	to		No. 3, from	to
No. 4, from	to		No. 4, from	to

IMPORTANT WATER SANDS

No. 1, from to
No. 2, from to
No. 3, from to
No. 4, from to

CASING RECORD

Account	Amount	Kind of shoe	Cost anduffed foot	Perforated To	Purpose
Expense for linen					
Expense for shoe					

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reaming, together with the reasons for the work and its results. It happened and 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 piers 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

U. S. GOVERNMENT PRINTING OFFICE
1394 MAY 1902

RECORDING AND CEMENTING RECORD

Case No.	Whistle Blower	Number of cases of corruption	Misconduct noted	Misconduct proven	Amount of money used
4-1-12	1444	40 ex-refers	1 mis-conduct	10.5	23.2 paise
4-1-12	3722	1 ex-ref. plus 10 cases			

PLUGS AND ADAPTERS

Heating Plug—Material	Length	Depth set
At least 1/2 inch	Size	

SHOOTING RECORD

[illegible]

01324 12

[illegible]

EMPLOYEES

Office	1. 1. 1.	Office	1. 1. 1.
Office	1. 1. 1.	Office	1. 1. 1.

FORMATION RECORD

[illegible]