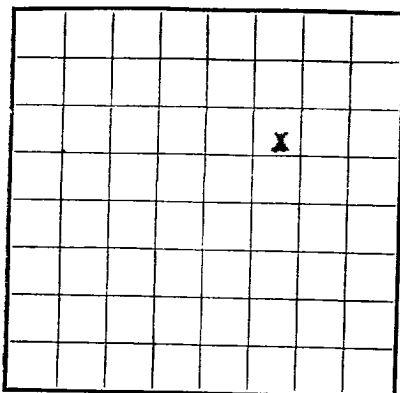
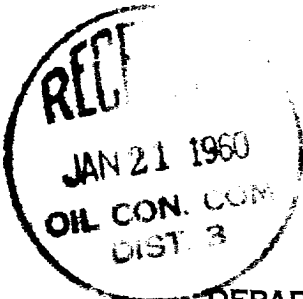




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**SERIAL NUMBER **079335-A**

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU. S. GEOLOGICAL SURVEY
FEDERAL BUREAU OF REVENUE

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Federal Field Cavilan P.C. Ext. State New Mexico
Well No 10-1-C Sec. 10 T 25N R 2W Meridian N.M.P.M. County Rio Arriba
Location 1700 ft. S. of N. Line and 1840 ft. W. of 2 Line of Section 10 Elevation 7433
(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.

ORIGINAL SIGNED: A.M. SMITH

Date January 18, 1960Title Petroleum Engineer

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

Commenced drilling 11-18, 1959 Finished drilling 11-23, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3628 to 3690 (G) 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—	
9 5/8	125	8	Grade "A"	3643					Prod. Tbg.
5 1/2	3722	10	Grade "A"	3643					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	125	70	Circulated		
5 1/2	3722	75	Single Stage		

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 3723 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

12-3, 1959 Put to producing _____, 19____

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 1,722,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 963

A.O.F. = 1779 MCF/D

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	3237	3237	Tan to gry cr-grn ss interbedded w/gry sh.
3237	3450	213	Ojo Alamo ss. White cr-grn s.
3450	3495	45	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3495	3628	133	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3628	3690	62	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3690	3723	33	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.

REC'D
JAN 21 1960
OIL COMPANY
DISTRICT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WITH CORRECT X

A blank sheet of white graph paper with a light gray grid pattern. The grid consists of small squares formed by thin lines. There are approximately 20 columns and 15 rows visible on the page. The left edge shows a dark binding strip.

Company Name _____
Address _____
Field Office _____
Date _____
Signature _____
Title _____

ORIGINAL STAFFED BY SWIN

[illegible]

SECRET NO CHANGE EAG 20 10
01/00/00

Year	Rate	Rate	Rate
1960	1.0%	1.0%	1.0%
1961	1.0%	1.0%	1.0%
1962	1.0%	1.0%	1.0%
1963	1.0%	1.0%	1.0%
1964	1.0%	1.0%	1.0%
1965	1.0%	1.0%	1.0%
1966	1.0%	1.0%	1.0%
1967	1.0%	1.0%	1.0%
1968	1.0%	1.0%	1.0%
1969	1.0%	1.0%	1.0%
1970	1.0%	1.0%	1.0%
1971	1.0%	1.0%	1.0%
1972	1.0%	1.0%	1.0%
1973	1.0%	1.0%	1.0%
1974	1.0%	1.0%	1.0%
1975	1.0%	1.0%	1.0%
1976	1.0%	1.0%	1.0%
1977	1.0%	1.0%	1.0%
1978	1.0%	1.0%	1.0%
1979	1.0%	1.0%	1.0%
1980	1.0%	1.0%	1.0%
1981	1.0%	1.0%	1.0%
1982	1.0%	1.0%	1.0%
1983	1.0%	1.0%	1.0%
1984	1.0%	1.0%	1.0%
1985	1.0%	1.0%	1.0%
1986	1.0%	1.0%	1.0%
1987	1.0%	1.0%	1.0%
1988	1.0%	1.0%	1.0%
1989	1.0%	1.0%	1.0%
1990	1.0%	1.0%	1.0%
1991	1.0%	1.0%	1.0%
1992	1.0%	1.0%	1.0%
1993	1.0%	1.0%	1.0%
1994	1.0%	1.0%	1.0%
1995	1.0%	1.0%	1.0%
1996	1.0%	1.0%	1.0%
1997	1.0%	1.0%	1.0%
1998	1.0%	1.0%	1.0%
1999	1.0%	1.0%	1.0%
2000	1.0%	1.0%	1.0%
2001	1.0%	1.0%	1.0%
2002	1.0%	1.0%	1.0%
2003	1.0%	1.0%	1.0%
2004	1.0%	1.0%	1.0%
2005	1.0%	1.0%	1.0%
2006	1.0%	1.0%	1.0%
2007	1.0%	1.0%	1.0%
2008	1.0%	1.0%	1.0%
2009	1.0%	1.0%	1.0%
2010	1.0%	1.0%	1.0%
2011	1.0%	1.0%	1.0%
2012	1.0%	1.0%	1.0%
2013	1.0%	1.0%	1.0%
2014	1.0%	1.0%	1.0%
2015	1.0%	1.0%	1.0%
2016	1.0%	1.0%	1.0%
2017	1.0%	1.0%	1.0%
2018	1.0%	1.0%	1.0%
2019	1.0%	1.0%	1.0%
2020	1.0%	1.0%	1.0%
2021	1.0%	1.0%	1.0%
2022	1.0%	1.0%	1.0%
2023	1.0%	1.0%	1.0%
2024	1.0%	1.0%	1.0%
2025	1.0%	1.0%	1.0%
2026	1.0%	1.0%	1.0%
2027	1.0%	1.0%	1.0%
2028	1.0%	1.0%	1.0%
2029	1.0%	1.0%	1.0%
2030	1.0%	1.0%	1.0%
2031	1.0%	1.0%	1.0%
2032	1.0%	1.0%	1.0%
2033	1.0%	1.0%	1.0%
2034	1.0%	1.0%	1.0%
2035	1.0%	1.0%	1.0%
2036	1.0%	1.0%	1.0%
2037	1.0%	1.0%	1.0%
2038	1.0%	1.0%	1.0%
2039	1.0%	1.0%	1.0%
2040	1.0%	1.0%	1.0%
2041	1.0%	1.0%	1.0%
2042	1.0%	1.0%	1.0%
2043	1.0%	1.0%	1.0%
2044	1.0%	1.0%	1.0%
2045	1.0%	1.0%	1.0%
2046	1.0%	1.0%	1.0%
2047	1.0%	1.0%	1.0%
2048	1.0%	1.0%	1.0%
2049	1.0%	1.0%	1.0%
2050	1.0%	1.0%	1.0%
2051	1.0%	1.0%	1.0%

100-443887-257-1-1

of 20 balls each for 3 stages.

C.O.D. 3688. Part. Mixed Clites @ 3608-18; 3688-34; 3610-54 (2 Bt/lt)
 v/28,500 gal. water w/ 2% calcium chloride, 30,000# sand, flush 3700 gal. 2%
 Calcium Chloride water. I.R. 54.5/BW, Mex. pr. 1500#, no pr. 1300#, ex.
 pr. 1000-1300-1700#. Spotted 250 gal. BW on parts. Dropped 2 sets
 of 20 balls each for 3 stages.

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 "added on," 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

U. S. GOVERNMENT PRINTING OFFICE: 1967 O-480522

FROM-	TO-	TOTAL FEET	FORMATION
100	101	1	...
101	102	1	...
102	103	1	...
103	104	1	...
104	105	1	...
105	106	1	...
106	107	1	...
107	108	1	...
108	109	1	...
109	110	1	...
110	111	1	...
111	112	1	...
112	113	1	...
113	114	1	...
114	115	1	...
115	116	1	...
116	117	1	...
117	118	1	...
118	119	1	...
119	120	1	...
120	121	1	...
121	122	1	...
122	123	1	...
123	124	1	...
124	125	1	...
125	126	1	...
126	127	1	...
127	128	1	...
128	129	1	...
129	130	1	...
130	131	1	...
131	132	1	...
132	133	1	...
133	134	1	...
134	135	1	...
135	136	1	...
136	137	1	...
137	138	1	...
138	139	1	...
139	140	1	...
140	141	1	...
141	142	1	...
142	143	1	...
143	144	1	...
144	145	1	...
145	146	1	...
146	147	1	...
147	148	1	...
148	149	1	...
149	150	1	...
150	151	1	...
151	152	1	...
152	153	1	...
153	154	1	...
154	155	1	...
155	156	1	...
156	157	1	...
157	158	1	...
158	159	1	...
159	160	1	...
160	161	1	...
161	162	1	...
162	163	1	...
163	164	1	...
164	165	1	...
165	166	1	...
166	167	1	...
167	168	1	...
168	169	1	...
169	170	1	...
170	171	1	...
171	172	1	...
172	173	1	...
173	174	1	...
174	175	1	...
175	176	1	...
176	177	1	...
177	178	1	...
178	179	1	...
179	180	1	...
180	181	1	...
181	182	1	...
182	183	1	...
183	184	1	...
184	185	1	...
185	186	1	...
186	187	1	...
187	188	1	...
188	189	1	...
189	190	1	...
190	191	1	...
191	192	1	...
192	193	1	...
193	194	1	...
194	195	1	...
195	196	1	...
196	197	1	...
197	198	1	...
198	199	1	...
199	200	1	...
200	201	1	...
201	202	1	...
202	203	1	...
203	204	1	...
204	205	1	...
205	206	1	...
206	207	1	...
207	208	1	...
208	209	1	...
209	210	1	...
210	211	1	...
211	212	1	...
212	213	1	...
213	214	1	...
214	215	1	...
215	216	1	...
216	217	1	...
217	218	1	...
218	219	1	...
219	220	1	...
220	221	1	...
221	222	1	...
222	223	1	...
223	224	1	...
224	225	1	...
225	226	1	...
226	227	1	...
227	228	1	...
228	229	1	...
229	230	1	...
230	231	1	...
231	232	1	...
232	233	1	...
233	234	1	...
234	235	1	...
235	236	1	...
236	237	1	...
237	238	1	...
238	239	1	...
239	240	1	...
240	241	1	...
241	242	1	...
242	243	1	...
243	244	1	...
244	245	1	...
245	246	1	...
246	247	1	...
247	248	1	...
248	249	1	...
249	250	1	...
250	251	1	...
251	252	1	...
252	253	1	...
253	254	1	...
254	255	1	...
255	256	1	...
256	257	1	...
257	258	1	...
258	259	1	...
259	260	1	...
260	261	1	...
261	262	1	...
262	263	1	...
263	264	1	...
264	265	1	...
265	266	1	...
266	267	1	...
267	268	1	...
268	269	1	...
269	270	1	...
270	271	1	...
271	272	1	...
272	273	1	...
273	274	1	...
274	275	1	...
275	276	1	...
276	277	1	...
277	278	1	...
278	279	1	...
279	280	1	...
280	281	1	...
281	282	1	...
282	283	1	...
283	284	1	...
284	285	1	...
285	286	1	...
286	287	1	...
287	288	1	...
288	289	1	...
289	290	1	...
290	291	1	...
291	292	1	...
292	293	1	...
293	294	1	...
294	295	1	...
295	296	1	...
296	297	1	...
297	298	1	...
298	299	1	...
299	300	1	...

FORMATION RECORD—Continued