

U. S. LAND OFFICE **Jicarilla**
SERIAL NUMBER **38M**
LEASE OR PERMIT TO PROSPECT

Jicarilla Tribal

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OCT 28 1959

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Arizona Explorations, Inc. Address 418 Meadows Building, Dallas 6
 Lessor or Tract Jicarilla Field Ballard PG State New Mexico
 Well No. H-8 Sec. 5 T. 23N R. 5W Meridian N.M.P.M. County Rio Arriba
 Location 990 ft. N of S Line and 990 ft. E of W Line of Sec. 5 Elevation 6610
(Mark from station to well)

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

Date - October 27th, 1959 Title Vice-President

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

Commenced drilling **September 12**, 19**59** Finished drilling **September 20th**, 19**59**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2026 to 2054 (1) 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—	
8-5/8"	21#	8	J-55	226	OK	OK	2030	2044	Production
5-1/2"	14#	8	J-55	2152	OK	OK	2030	2054	Production

MUDDING AND CEMENTING RECORD

	Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
MARK	8-5/8"	135	100	Pump & Plug		
	5-1/2"	2161	100	" " "		

PLUGS AND ADAPTERS

Heaving plug—Material None Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		None				

TOOLS USED

Rotary tools were used from ~~Surface~~ _____ feet to 2161 feet, and from _____ feet to _____ feet.
Cable tools were used from ~~to complete~~ _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

Ran Tubing		DATES		Potential Test	
October 10th	19 59	Put to producing	October 21st,	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 583,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 630 Open 3 hours through 3/4" choke on casing. Choke volume 545 MCF/day. AOF 630 MCF/day.

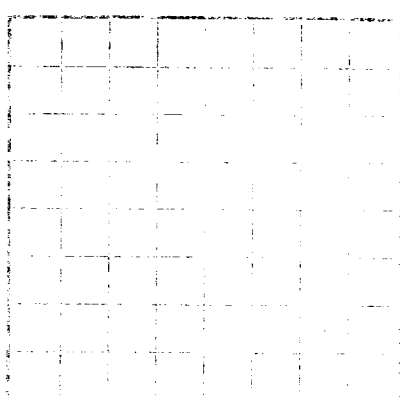
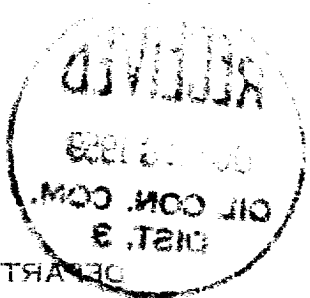
EMPLOYEES

Benson-Montin-Greer	Driller	AOF 630 MCF/day.		Driller
Drilling Corp.	Driller			Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	1971	1971	Surface sand and shale, Ojo Alamo Kirtland and Fruitland formations
1971	1974	3	Coal
1974	2015	41	Shale
2015	2019	4	Coal
2019	2020	1	Shale
2021	2024	3	Coal
2024	2026	2	Shale
2026	2054	28	Sand
2054	2161	107	Shale
			TOP OF PICTURED CLIFFS (EL) 2026'

TOP OF PICTURED CLIFFS (EL) 2026'



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

U.S. GEOLOGICAL SURVEY
WASHINGTON, NEW MEXICO

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

100-443887-100

10-7-59
checked out to 2105. Van correlation log. Referenced
2030-44; and 2050-54. With 4 shots per foot. Sandraced
with 30.084 gallons water and 40,000# sand. Flushed
with 4,400 gallons water.
treating pressure 1400-1800#. Average injection rate 67
barrels per minute. Dropped to rubber balls during
treatment.
Sec 8, T. 54 N. R. 10 E. Meridian, Lincoln County, N.M.
10-10-59 Ran 69 joints 2054.1 of 1-1/4" 11.5 lbs casing landed at 2052.1
RKB. Spent well in for potential test.

10-5-59
Haved in early 1959 - Pressured up off casing to 1000#.
No pressure decrease in one hour.
I do not know on this basis for the condition of the well at above date.

9-20-59 TD 2161, RKB. Set 66 joints 2152' of 5-1/2" OD 14# 1-55 casing at 2161' with 100 sacks cement. OIL OR GAS SANDS OR NOISES.

9-17-59 Moved in rotary. Pressured up on casing to 500#. No pressure increase in 30 minutes.

9-14-39 ID 137, NAB Set 4 joints 126' of 8-5/8" OD 24# J-55 casing at 135' with 100 sacks cement, circulated to surface. IMPORTANT WATER SANDS

9-12-59 Moved in to set surface casing. Spudded.

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 "struck" 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

FROM-	TO-	TOTAL FEET	FORMATION
200	199	1	Gravel
199	198	1	Gravel
198	197	1	Gravel
197	196	1	Gravel
196	195	1	Gravel
195	194	1	Gravel
194	193	1	Gravel
193	192	1	Gravel
192	191	1	Gravel
191	190	1	Gravel
190	189	1	Gravel
189	188	1	Gravel
188	187	1	Gravel
187	186	1	Gravel
186	185	1	Gravel
185	184	1	Gravel
184	183	1	Gravel
183	182	1	Gravel
182	181	1	Gravel
181	180	1	Gravel
180	179	1	Gravel
179	178	1	Gravel
178	177	1	Gravel
177	176	1	Gravel
176	175	1	Gravel
175	174	1	Gravel
174	173	1	Gravel
173	172	1	Gravel
172	171	1	Gravel
171	170	1	Gravel
170	169	1	Gravel
169	168	1	Gravel
168	167	1	Gravel
167	166	1	Gravel
166	165	1	Gravel
165	164	1	Gravel
164	163	1	Gravel
163	162	1	Gravel
162	161	1	Gravel
161	160	1	Gravel
160	159	1	Gravel
159	158	1	Gravel
158	157	1	Gravel
157	156	1	Gravel
156	155	1	Gravel
155	154	1	Gravel
154	153	1	Gravel
153	152	1	Gravel
152	151	1	Gravel
151	150	1	Gravel
150	149	1	Gravel
149	148	1	Gravel
148	147	1	Gravel
147	146	1	Gravel
146	145	1	Gravel
145	144	1	Gravel
144	143	1	Gravel
143	142	1	Gravel
142	141	1	Gravel
141	140	1	Gravel
140	139	1	Gravel
139	138	1	Gravel
138	137	1	Gravel
137	136	1	Gravel
136	135	1	Gravel
135	134	1	Gravel
134	133	1	Gravel
133	132	1	Gravel
132	131	1	Gravel
131	130	1	Gravel
130	129	1	Gravel
129	128	1	Gravel
128	127	1	Gravel
127	126	1	Gravel
126	125	1	Gravel
125	124	1	Gravel
124	123	1	Gravel
123	122	1	Gravel
122	121	1	Gravel
121	120	1	Gravel
120	119	1	Gravel
119	118	1	Gravel
118	117	1	Gravel
117	116	1	Gravel
116	115	1	Gravel
115	114	1	Gravel
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113	112	1	Gravel
112	111	1	Gravel
111	110	1	Gravel
110	109	1	Gravel
109	108	1	Gravel
108	107	1	Gravel
107	106	1	Gravel
106	105	1	Gravel
105	104	1	Gravel
104	103	1	Gravel
103	102	1	Gravel
102	101	1	Gravel
101	100	1	Gravel
100	99	1	Gravel