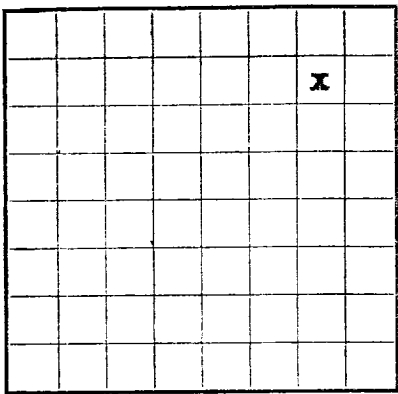


Form 9-830

U. S. LAND OFFICE Jicarilla
SERIAL NUMBER 39
LEASE OR PERMIT TO PROSPECT _____
Jicarilla Tribal

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company ARIZONA EXPLORATIONS INC. Address 417 Meadows Building, Dallas 6, Texas
Lessor or Tract Jicarilla Field Ballard PC State New Mexico
Well No. C-7 Sec. 4 T. 23N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 1020 ft. N. of N. Line and 1020 Ex of E. Line of Sec. 4 Elevation 6744
(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 _____ Title Vice-President

Date December 22, 1959

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

Commenced drilling November 12, 1959 Finished drilling November 19, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2276 to 2340 (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—	
<u>8-5/8"</u>	<u>24.4</u>	<u>8</u>	<u>API</u>	<u>2341</u>	<u>Pattern</u>	<u>Surface</u>			<u>Surface</u>
<u>5-1/2"</u>	<u>23.85</u>	<u>8</u>	<u>API</u>	<u>2341</u>	<u>Pattern</u>	<u>Surface</u>			<u>Production</u>
<u>1-1/4"</u>	<u>2.4</u>	<u>8</u>	<u>API</u>	<u>2341</u>	<u>Pattern</u>	<u>Surface</u>			<u>String</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8"</u>	<u>100</u>	<u>70</u>	<u>Pump & Plug</u>		
<u>5-1/2"</u>	<u>2385</u>	<u>100</u>	<u>" " "</u>		
<u>1-1/4"</u>	<u>2348</u>				

PLUGS AND ADAPTERS

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

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
<u>Sandfraced through perforations with 36,650 gallons water and 45,000# sand. Average treating pressure 1600#, average injection rate 79 barrels per minute. Dropped 60 rubber balls during treatment.</u>						

TOOLS USED

Rotary tools were used from Surface feet to 2387 feet, and from _____ feet to _____ feet
Cable tools were used from to complete feet to _____ feet, and from _____ feet to _____ feet

DATES

Ran Tubing November 30, 1959 Put to producing December 11, 1959

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 2,853,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 599 Open 3 hours through 3/4" choke on casing. Choke volume 2,362 MCF/day.
AOF 2,853 MCF/day.

EMPLOYEES

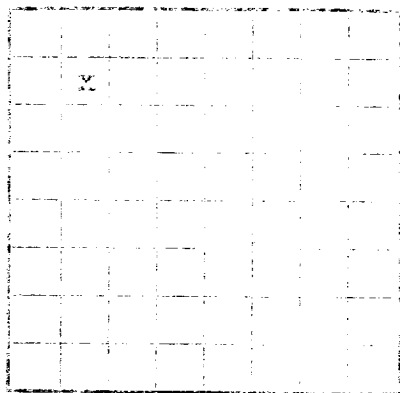
Benson-Montin-Greer, Driller
Drilling Corp., Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>Surface</u>	<u>2138</u>	<u>2138</u>	<u>Surface sand and shale, Ojo Alamo, Kirtland and Fruitland formations</u>
<u>2138</u>	<u>2146</u>	<u>8</u>	<u>Coal</u>
<u>2146</u>	<u>2157</u>	<u>11</u>	<u>Shale</u>
<u>2157</u>	<u>2161</u>	<u>4</u>	<u>Coal</u>
<u>2161</u>	<u>2163</u>	<u>2</u>	<u>Shale</u>
<u>2163</u>	<u>2170</u>	<u>7</u>	<u>Coal</u>
<u>2170</u>	<u>2186</u>	<u>16</u>	<u>Shale</u>
<u>2186</u>	<u>2190</u>	<u>4</u>	<u>Coal</u>
<u>2190</u>	<u>2267</u>	<u>77</u>	<u>Shale</u>
<u>2267</u>	<u>2272</u>	<u>5</u>	<u>Coal</u>
<u>2272</u>	<u>2276</u>	<u>4</u>	<u>Shale</u>
<u>2276</u>	<u>2340</u>	<u>64</u>	<u>Sand and Shale</u>
<u>2340</u>	<u>2387</u>	<u>47</u>	<u>Shale</u>
			<u>TOP OF PICTURED CLIFFS (ES) 2276'</u>

(OVER)

FORMATION RECORD—Continued



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company, ALABAMA EXPLORATION CO.
Person or Firm, ALABAMA EXPLORATION CO.
Well No., 1
Location, N. 1/2 of Sec. 1, T. 1 N., R. 1 E., S. 1 E.
The information given herewith is a complete and correct record of the well and all work done thereon.
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 into test for water, state kind of material used, position, and results of pumping or drilling.

OIL OR GAS SANDS OR ZONES

(To be filled by C)

IMPORTANT WATER SANDS

CASING RECORD

Size casing	Depth	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Prepared	Remarks
							From	To

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

Size casing	Depth set	Number sacks of cement	Method used	Mud density	Amount of mud used

PLUGS AND ADAPTERS

Adapters—/lateral	Heaving plug—/lateral	Length	Depth set

SHOOTING RECORD

Date	Time	Depth shot	Depth cleared out

TOOLS USED

Tools used	From	To

DATES

Date	From	To

EMPLOYEES

Name	Position	Date

FORMATION RECORD

FORMATION	TO—	TOTAL FEET	FROM—
Shale	0-10	10	0-10
Shale	10-20	20	10-20
Shale	20-30	30	20-30
Shale	30-40	40	30-40
Shale	40-50	50	40-50
Shale	50-60	60	50-60
Shale	60-70	70	60-70
Shale	70-80	80	70-80
Shale	80-90	90	80-90
Shale	90-100	100	90-100
Shale	100-110	110	100-110
Shale	110-120	120	110-120
Shale	120-130	130	120-130
Shale	130-140	140	130-140
Shale	140-150	150	140-150
Shale	150-160	160	150-160
Shale	160-170	170	160-170
Shale	170-180	180	170-180
Shale	180-190	190	180-190
Shale	190-200	200	190-200
Shale	200-210	210	200-210
Shale	210-220	220	210-220
Shale	220-230	230	220-230
Shale	230-240	240	230-240
Shale	240-250	250	240-250
Shale	250-260	260	250-260
Shale	260-270	270	260-270
Shale	270-280	280	270-280
Shale	280-290	290	280-290
Shale	290-300	300	290-300
Shale	300-310	310	300-310
Shale	310-320	320	310-320
Shale	320-330	330	320-330
Shale	330-340	340	330-340
Shale	340-350	350	340-350
Shale	350-360	360	350-360
Shale	360-370	370	360-370
Shale	370-380	380	370-380
Shale	380-390	390	380-390
Shale	390-400	400	390-400
Shale	400-410	410	400-410
Shale	410-420	420	410-420
Shale	420-430	430	420-430
Shale	430-440	440	430-440
Shale	440-450	450	440-450
Shale	450-460	460	450-460
Shale	460-470	470	460-470
Shale	470-480	480	470-480
Shale	480-490	490	480-490
Shale	490-500	500	490-500
Shale	500-510	510	500-510
Shale	510-520	520	510-520
Shale	520-530	530	520-530
Shale	530-540	540	530-540
Shale	540-550	550	540-550
Shale	550-560	560	550-560
Shale	560-570	570	560-570
Shale	570-580	580	570-580
Shale	580-590	590	580-590
Shale	590-600	600	590-600
Shale	600-610	610	600-610
Shale	610-620	620	610-620
Shale	620-630	630	620-630
Shale	630-640	640	630-640
Shale	640-650	650	640-650
Shale	650-660	660	650-660
Shale	660-670	670	660-670
Shale	670-680	680	670-680
Shale	680-690	690	680-690
Shale	690-700	700	690-700
Shale	700-710	710	700-710
Shale	710-720	720	710-720
Shale	720-730	730	720-730
Shale	730-740	740	730-740
Shale	740-750	750	740-750
Shale	750-760	760	750-760
Shale	760-770	770	760-770
Shale	770-780	780	770-780
Shale	780-790	790	780-790
Shale	790-800	800	790-800
Shale	800-810	810	800-810
Shale	810-820	820	810-820
Shale	820-830	830	820-830
Shale	830-840	840	830-840
Shale	840-850	850	840-850
Shale	850-860	860	850-860
Shale	860-870	870	860-870
Shale	870-880	880	870-880
Shale	880-890	890	880-890
Shale	890-900	900	890-900
Shale	900-910	910	900-910
Shale	910-920	920	910-920
Shale	920-930	930	920-930
Shale	930-940	940	930-940
Shale	940-950	950	940-950
Shale	950-960	960	950-960
Shale	960-970	970	960-970
Shale	970-980	980	970-980
Shale	980-990	990	980-990
Shale	990-1000	1000	990-1000