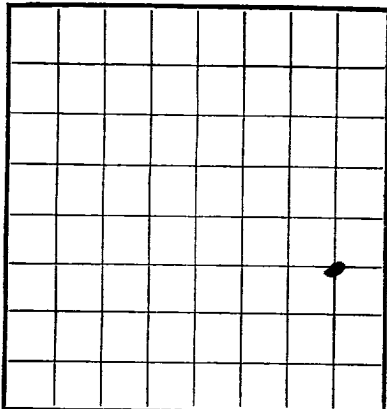


U. S. LAND OFFICE Santa Fe

SERIAL NUMBER 081226

LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
DEC 19 1956
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company ARIZONA EXPLORATIONS, INC. Address 418 Meadows Building, Dallas, Tex.

Lessor or Tract HORSESHOE CANYON Field W C State New Mexico

Well No. 1 Sec. 4 T. 30N R. 16W Meridian N.M.P.M. County San Juan

Location 1980 ft. N of S Line and 660 ft. W of E Line of Sec. 4 Elevation 5352
(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 Oct., 1956 Signed [Signature] Title Vice-President

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

Commenced drilling September 14, 1956 Finished drilling September 21, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1152 to 1250 No. 4, from _____ to _____

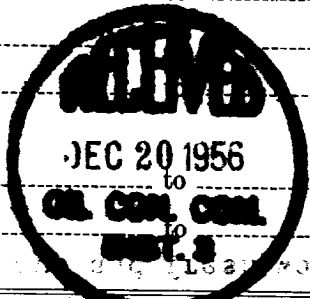
No. 2, from 1290 to 1325 No. 5, from _____ to _____

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	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Depth		Purpose
							From	To	
8-5/8	240	8	Spang	100	None				Surface
5-1/2	150	8	Halliburton	100	None				Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	100	75	Halliburton		
5-1/2	1365	200 sacks	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 _____ feet to 2075 feet, and from _____ feet to _____ feet

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

DATES

October, 1956 Put to producing October 2, 1956

The production for the first 24 hours was 125 barrels of fluid of which 60 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. 41

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

Rock pressure, lbs. per sq. in. 268 psia

EMPLOYEES

Letton, Driller Hale, Driller

Jones, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	190	190	Shale
190	250	60	Shale & Sand - (Flor)
250	1152	902	Shale
1152	1182	30	Limey Shale with Sand streaks
1182	1250	68	Sand with Shale streaks (S.O.)
1250	1290	40	Shale
1290	1325	35	Sand (S.O.)
1325	1810	495	Shale
1810	1900	90	Sand (N.S.O.)
1900	1960	60	Shale
1960	2020	60	Sand (N.S.O.)
2020	2075	55	Shale (replace Sand with Sandstone)

U.S. LAND OFFICE
SERIAL NUMBER 081558
LEASE OR PERMIT TO PROSPECT

LOG OF OIL OR GAS WELL
FARMINGTON, NEW MEXICO
U.S. GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
UNITED STATES

LOCATE WELL CORRECTLY

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Company ARIZONA EXPLORATIONS, INC. Address 418 Meadows Building, Dallas, Tex.
Lessor or Tract HORSESHOE CANYON Field W. C. State New Mexico
Well No. 1 Sec. 4 T. 30N R. 16W Meridian N.M.P.M. County San Juan
Location 1980 ft. N. of 2 Line and 600 ft. W. of E. Line of Sec. 4 Elevation 3325
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 Oct. 1956
Title Vice-President

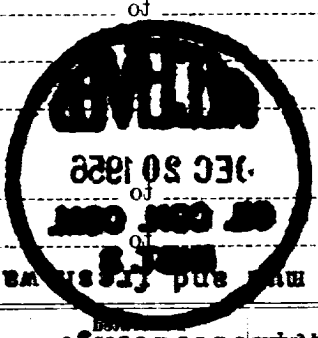
The summary on this page is for the condition of the well at above date.
Commenced drilling September 14, 1955 Finished drilling September 21, 1956

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 1152 to 1250
No. 2, from 1250 to 1350
No. 3, from 1350 to 1450
No. 4, from 1450 to 1550
No. 5, from 1550 to 1650
No. 6, from 1650 to 1750

Important Water Sands
No. 1, from 1152 to 1250
No. 2, from 1250 to 1350
No. 3, from 1350 to 1450
No. 4, from 1450 to 1550

Well was swabbed and pumped in excess of mud and fresh water.



HISTORY OF THE WELL
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, state its size and location. If the well has been dynamited, state the date, position, and results of dynamiting, and whether or not it was pumped or filled. If bridges or bridges were built to test for water, state kind of material used, position, and results of pumping or filling.

Size casing	Weight	Threads per foot	Material	Depth	Purpose
8-5/8	115	9	Steel	1152	Swabbing
8-5/8	115	9	Steel	1250	Swabbing
8-5/8	115	9	Steel	1350	Swabbing
8-5/8	115	9	Steel	1450	Swabbing
8-5/8	115	9	Steel	1550	Swabbing
8-5/8	115	9	Steel	1650	Swabbing
8-5/8	115	9	Steel	1750	Swabbing

MUDDING AND CEMENTING RECORD

Size casing	Whitlock	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	100	75	Halliburton		
8-5/8	135	200 sacks	Halliburton		

SHOOTING RECORD

Size	Ball used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED
Rotary tools were used from 0 feet to 2025 feet, and from 2025 feet to 1980 feet.
Cable tools were used from 1980 feet to 2025 feet.

DATES
The production for the first 24 hours was 125 barrels of fluid of which 0% was oil; 0% emulsion, 0% water; and 0% sediment.
If gas well, cu. ft. per 24 hours _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES
Jones, Driller
Letton, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	190	190	Shale
190	250	250	Shale & Sand - (F107)
250	1152	902	Shale
1152	1152	30	limy shale with sand streaks
1152	1250	88	Sand with shale streaks (S.O.)
1250	1250	40	Shale
1250	1350	35	Sand (S.O.)
1350	1810	460	Shale
1810	1900	90	Sand (S.O.)
1900	1980	80	Shale
1980	2025	45	Sand (S.O.)
2025	2025	25	Shale (replace sand with sandstone)