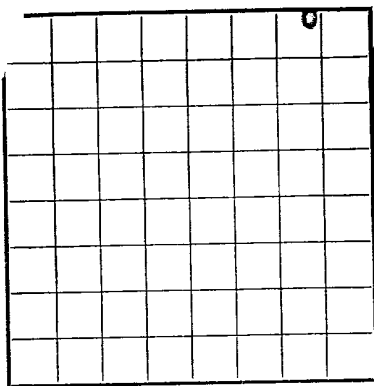


ILLECIBLE

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

m 9-330



Santa Fe
U. S. LAND OFFICE
SERIAL NUMBER 077317
LEASE OR PERMIT TO PROSPECT
Cooper

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Aztec Oil and Gas Company Address Drawer # 570, Farmington, New Mex.
Lessor or Tract Cooper Field Basin Dakota State New Mexico
Well No. 4-D Sec. 18 T. 29N R. 11W Meridian N.M.P.M. County San Juan
Location 955 ft. N of Line and 1550 ft. E of Line of Section 18 Elevation 5718 G.L.
(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 ORIGINAL SIGNED BY JOE C. SALMON Joe C. Salmon

Date July 7, 1961 Title District Superintendent

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

Commenced drilling 6/1/61, 19____ Finished drilling 6/15/61, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5331 to 6344 (G) No. 4, from _____ to _____
No. 2, from 6400 to 6434 (G) 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	26	8	J-55	1000	API	0-0			
4 1/2	11.6	8	J-55	1000	API	0-0			
4 1/2	9.6	8	J-55	1000	API	0-0			
2 3/8	4.7	8	J-55	1000	API	0-0			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	315	225	displacement		
4 1/2	6509	400	two plug		
2 3/8	6293	--			

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
Sand-water fraced with 60,000# sand, 1500 Bbls. water, flushed with 200 Bbls. water Breakdown pr.- 1100%, Maximum - 2700%, /avg. treating pr.- 2300%, I.R. - 37.3 bpm 5 min. shut-in pr.- 1100%, dropped 150 rubber ball sealers						

TOOLS USED

Rotary tools were used from 0 feet to 5570 feet, and from xxx feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

6/19/61, 19____ 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 AGF- 2617 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 2027

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	305	305	surface
305	325	20	sand and shale
325	737	412	sand, shale, chert
737	1582	845	sand and shale
1582	2082	500	sand, shale, coal.
2082	3025	943	sand and shale
3025	3520	495	sand and shale
3520	3750	238	sand and shale
3750	3945	187	shale w/ sand strks.
3945	4595	650	shale w/ sand strks.
4595	4720	125	sand and shale
4720	4930	210	sand and shale
4930	5051	121	shale
5051	5470	419	sand and shale
5470	5840	370	sand and shale
5840	6364	524	sand and shale
6364	6368	24	sand
6368	6462	74	sand and shale
6462	6474	12	sand
6474	6505	31	shale w/ sand strks.
6505	6547	42	sand and shale
6547	6570	23	shale w/ sand strks.

PICTURED CLIFFS-1880
CLIFF HOUSE- 3467
POINT LOOKOUT- 4230
GALLUP- 5486
GREENHORN- 6220
GRANEROS- 6294
DAKOTA HENCH- 6405

007 6A9 80 17 01 00

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

FORMATION RECORD—Continued