

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SP 071056
LESSOR'S PERMIT TO PROSPECT

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NOV 17 1961

CON. COM.
DIST. 3UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Astec Oil & Gas Company Address Drawer 570, Farington, New Mex.
Lessor or Tract McDaniel Field Basin Dakota State New Mexico
Well No. C-1 Sec. 19 T. 29N R. 11W Meridian N.M.P.M. County San Juan
Location 990 ft. N. of N Line and 1550 ft. E. of E Line of Section 19 Elevation 5587 C.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.

Date November 15, 1961 Signed Joe C. Salmon Title District Superintendent

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

Commenced drilling 10/10/61, 19____ Finished drilling 10/25/61, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6161 to 6171 (G) No. 4, from _____ to _____
No. 2, from 6234 to 6268 (G) No. 5, from _____ to _____
No. 3, from 6274 to 6282 (G) 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 3/8</u>	<u>24</u>	<u>8</u>	<u>J-55</u>	<u>6120</u>					
<u>4 1/2</u>	<u>11.7</u>	<u>8</u>	<u>J-55</u>	<u>6120</u>					
<u>2 3/8</u>	<u>4.7</u>	<u>8</u>	<u>J-55</u>	<u>6120</u>					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 3/8</u>	<u>306</u>	<u>250</u>	<u>displacement</u>		
<u>4 1/2</u>	<u>6430</u>	<u>535</u>	<u>two plug</u>		
<u>2 3/8</u>	<u>6426</u>	<u>—</u>			

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
<u>Sand-water fraced with 62,500 gals. water, 74,000 sand. Breakdown pr. - 2000.</u>						
<u>Arg. treating pr. - 2600, I.R. - 37.5 bps, dropped 75 rubber ball sealers,</u>						
<u>flushed with 150 bbls. water.</u>						

TOOLS USED

Rotary tools were used from 0 feet to 6430 feet, and from 1.5 T.D. - 6400 feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

10/25/61, 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 ACT - 6145 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1918

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>320</u>	<u>320</u>	<u>boulders and shale</u>
<u>320</u>	<u>1713</u>	<u>1393</u>	<u>sand and shale</u>
<u>1713</u>	<u>2779</u>	<u>1066</u>	<u>sand and shale</u>
<u>2779</u>	<u>3287</u>	<u>508</u>	<u>sand and shale</u>
<u>3287</u>	<u>3505</u>	<u>218</u>	<u>sand</u>
<u>3505</u>	<u>3936</u>	<u>431</u>	<u>sand and shale</u>
<u>3936</u>	<u>4125</u>	<u>189</u>	<u>shale</u>
<u>4125</u>	<u>4260</u>	<u>135</u>	<u>sand and shale</u>
<u>4260</u>	<u>4375</u>	<u>95</u>	<u>shale</u>
<u>4375</u>	<u>4732</u>	<u>357</u>	<u>sand and shale</u>
<u>4732</u>	<u>4853</u>	<u>121</u>	<u>shale</u>
<u>4853</u>	<u>5425</u>	<u>572</u>	<u>sand and shale</u>
<u>5425</u>	<u>5771</u>	<u>346</u>	<u>sand and shale</u>
<u>5771</u>	<u>6243</u>	<u>472</u>	<u>sand and shale</u>
<u>6243</u>	<u>6263</u>	<u>20</u>	<u>sand</u>
<u>6263</u>	<u>6430</u>	<u>167</u>	<u>sand and shale</u>

P. CLIFFE - 1698
C. HOUSE - 3277
C. LOCKOUT - 4035
C. L. - 5322
GREENHORN - 6068
GRANEROS - 6118
DAKOTA - 6233

LOG OF OIL OR GAS WELL

Company
Location
Section
Township
Range
Meridian
County
State
Address
The information given here is a complete and correct record of the well and all work done thereon.
This information can be obtained from all available records.
Signed
Date
The summary of this page is for the condition of the well at above date.
Continued drilling

OIL OR GAS SANDS OR ZONES			
Depth (feet)	From	To	Notes
No. 1	from	to	
No. 2	from	to	
No. 3	from	to	

IMPORTANT WATER SANDS			
Depth (feet)	From	To	Notes
No. 1	from	to	
No. 2	from	to	

CASING RECORD

Depth (feet)	From	To	Notes
No. 1	from	to	
No. 2	from	to	

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 the results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, 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