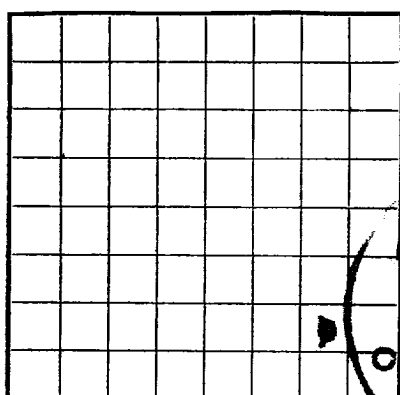


Form 9-330



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SW - 977631
LEASE OR PERMIT TO PROSPECT Richardson

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
AUG 11 1960

U. S. GEOLOGICAL SURVEY
WASHINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company Astec Oil & Gas Company Address Drawer # 570, Farmington, N. Mex.
Lessor or Tract Richardson Field Wildcat Dakota State New Mexico
Well No. 7 Sec. 15 T. 33N R. 12W Meridian N.M.P.M. County San Juan
Location 1621 ft. ^[N.]_[S.] of 8 Line and 1528 ft. ^[N.]_[W.] of 8 Line of Section 15 Elevation 6267 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 Jow C. Salmon
Date August 11, 1960 Title District Superintendent

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

Commenced drilling 6/23/60, 1960 Finished drilling 7/14/60, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 7238 to 7258 (G) No. 4, from 7362 to 7374 (G)
No. 2, from 7346 to 7354 (G) No. 5, from _____ to _____
No. 3, from 7314 to 7342 (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>10 3/4</u>	<u>320</u>	<u>8.25</u>	<u>J-55</u>	<u>225</u>	<u>Displacement</u>	<u>7238</u>			
<u>7</u>	<u>5388</u>	<u>8.00</u>	<u>J-55</u>	<u>200</u>	<u>two plug</u>	<u>7258</u>			
<u>4 1/2</u>	<u>5207</u>	<u>8.00</u>	<u>J-55</u>	<u>200</u>		<u>7314</u>			
<u>2 3/8</u>	<u>7224</u>	<u>8.00</u>	<u>J-55</u>	<u>7224</u>		<u>7342</u>			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10 3/4</u>	<u>320</u>	<u>225</u>	<u>Displacement</u>		
<u>7</u>	<u>5388</u>	<u>200</u>	<u>two plug</u>		
<u>4 1/2</u>	<u>5207</u>				
<u>2 3/8</u>	<u>7224</u>				

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set 5257
Adapters—Material _____ Size 2 1/0
7397

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
<u>Sand-water fraced with 75,000/ sand and 75,000 galv. water. Breakdown pr. - 2100/</u>						
<u>Treating pressure - 2700/ Final pressure - 800/ I.R. - 21.6 bpm</u>						

TOOLS USED

Rotary tools were used from 0 feet to 7440 feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 713 feet, and from _____ feet to _____ feet

DATES

7/29/60, 1960 Put to producing _____, 1960
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 407-387 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 2045

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>320</u>	<u>320</u>	<u>Surface</u>
<u>320</u>	<u>2046</u>	<u>1726</u>	<u>Sand and Shale</u>
<u>2046</u>	<u>2907</u>	<u>861</u>	<u>Sand and Shale</u>
<u>2907</u>	<u>3772</u>	<u>865</u>	<u>Sand and Shale</u>
<u>3772</u>	<u>4029</u>	<u>257</u>	<u>Sand and Shale</u>
<u>4029</u>	<u>4233</u>	<u>204</u>	<u>Sand and Shale</u>
<u>4233</u>	<u>4306</u>	<u>73</u>	<u>Sand and Shale</u>
<u>4306</u>	<u>4386</u>	<u>80</u>	<u>Sand</u>
<u>4386</u>	<u>4447</u>	<u>61</u>	<u>Sand and Shale</u>
<u>4447</u>	<u>4507</u>	<u>60</u>	<u>Sand</u>
<u>4507</u>	<u>4562</u>	<u>55</u>	<u>Sand and Shale</u>
<u>4562</u>	<u>4684</u>	<u>122</u>	<u>Sand and Shale</u>
<u>4684</u>	<u>4830</u>	<u>146</u>	<u>Shale</u>
<u>4830</u>	<u>4907</u>	<u>27</u>	<u>Sand and Shale</u>
<u>4907</u>	<u>5046</u>	<u>139</u>	<u>Shale</u>
<u>5046</u>	<u>5129</u>	<u>83</u>	<u>Sand and Shale</u>
<u>5129</u>	<u>5210</u>	<u>81</u>	<u>Sand and Shale</u>
<u>5210</u>	<u>5270</u>	<u>60</u>	<u>Sand and Shale</u>
<u>5270</u>	<u>5390</u>	<u>120</u>	<u>Sand and Shale</u>
<u>5390</u>	<u>6415</u>	<u>1025</u>	<u>sand and Shale</u>
<u>6415</u>	<u>7440</u>	<u>1025</u>	<u>Sand and Shale</u>

FORMATION RECORD—Continued

10-48024-4

TOP OF PICTURED CLIFFS - 2744
TOP OF DAKOTA - 7238

PLEASE OR PERMIT TO PROCEED

NEW GAS OR OIL WELL

LOCATE WELL CORRECTLY

background

001 11 JAMWA 0180

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

Commenced drilling	19	Finished drilling	19
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OIL OR GAS SANDS OR ZONES

$$M \text{ und } \text{ann}(\text{ct}(\text{res}(T)))$$

No. 1, from	1535	to	1536 (a)	No. 4, from	1537	to	1538 (a)
No. 2, from	1537	to	1538 (a)	No. 5, from	1538	to	1539 (a)
No. 3, from	1538	to	1539 (a)	No. 6, from	1539	to	1540 (a)

IMPORTANT WATER SANDS

No. 1 from	to	No. 3 from	to
No. 2 from	to	No. 4 from	to

CASING RECORD

[illegible]

MIDDING AND CEMENTING RECORD

Station	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	200	200	Direct cement		
11	200	200	no plug		
12	200				
13	200				
14	200				

PLUGS AND ADAPTERS

Blitz	Steel used	Explosive used	Quantity	Rate	Depth shot	Depth cleared out

Sand-water mixed with 25,000 lbs. and 25,000 lbs. water. Breakdown in - 25000
 Treating pressure - 2500, final pressure - 3000, I.R. - 21.5 per

TOOL & DIE

Rotary tools were used from feet to	feet to	feet, and from feet to
Rotary tools were used from feet to	feet to	feet, and from feet to

237AD

The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ %	_____, 19____
Net to producing _____, 19____	_____, 19____

If gas well, cu. ft. per 24 hours	Gallons gasoline per 1,000 cu. ft. of gas
% sediment	Gravity, ° Bé.
emulsion; and	

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Driver		Driver	
Driver		Driver	

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	350	350	Surface
350	504	154	Sand and Shale
504	520	16	Sand and Shale
520	537	17	Sand and Shale
537	575	38	Sand and Shale
575	603	28	Sand and Shale
603	623	20	Sand and Shale
623	633	10	Sand and Shale
633	636	3	Sand
636	647	11	Sand and Shale
647	657	10	Sand
657	658	1	Sand and Shale
658	659	1	Sand and Shale
659	684	25	Shale
684	683	-1	Sand and Shale
683	697	14	Shale
697	704	7	Sand and Shale
704	713	9	Sand and Shale
713	710	-3	Sand and Shale
710	720	10	Sand and Shale
720	730	10	Sand and Shale
730	742	12	Sand and Shale
742	740	-2	Sand and Shale

FORMER RECORD-Continued

4475 - 25110 CITIES - 5144
8338 - 25110 CITIES - 5144