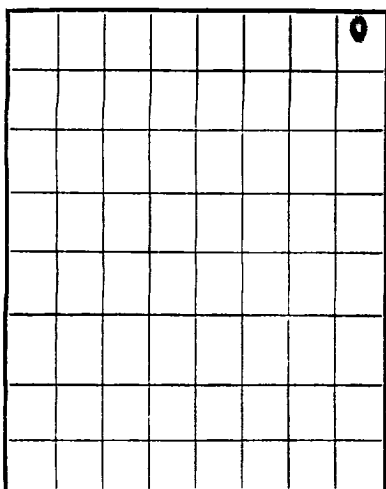
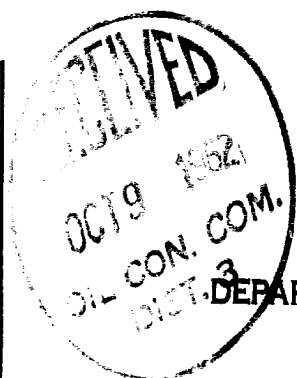




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SP 077652
LEASE OR PERMIT TO PROSPECT EastUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Astec Oil & Gas Company Address Drawer # 570, Farmington, N.M.
Lessor or Tract East Field Basin Dakota State New Mexico
Well No. 11 Sec. 24 T. 31N R. 12W Meridian N.M.P.M. County San Juan
Location 1150 ft. N. of N. Line and 990 ft. E. of E. Line of Section 24 Elevation 6028 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.ORIGINAL SIGNED BY JOE C. SALMON
Signed Joe C. SalmonDate October 4, 1962 Title District Superintendent

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

Commenced drilling 8/17/62, 19____ Finished drilling 9/10/62, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6972 to 6982 (G) No. 4, from 7110 to 7118 (G)
No. 2, from 6989 to 6994 (G) No. 5, from _____ to _____
No. 3, from 7050 to 7083 (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 5/8</u>	<u>28</u>	<u>8</u>	<u>J-55</u>	<u>1000</u>	<u>J-55</u>	<u>0</u>			
<u>4 1/2</u>	<u>11.4</u>	<u>8</u>	<u>J-55</u>	<u>1000</u>	<u>J-55</u>	<u>0</u>			
<u>4 1/2</u>	<u>9.5</u>	<u>8</u>	<u>J-55</u>	<u>1000</u>	<u>J-55</u>	<u>0</u>			
<u>2 3/8</u>	<u>4.7</u>	<u>8</u>	<u>J-55</u>	<u>6990</u>	<u>J-55</u>	<u>0</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>322</u>	<u>250</u>	<u>displacement</u>		
<u>4 1/2</u>	<u>7240</u>	<u>850</u>	<u>two plug</u>		
<u>2 3/8</u>	<u>6950</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 58,296 gals. water, 60,000# sand, Breakdown pr.-1000</u>						
<u>Avg. treating pr.-1900, Avg. I.R.- 37.2 bpm, dropped 120 rubber ball sealers,</u>						
<u>flushed with 130 Bbls. instant shut in-1100, 5 min. shut in-700</u>						

TOOLS USED

Rotary tools were used from 0 feet to 7240 feet, and from 0 feet to 7177 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

9/14/62, 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 ACF-4625 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1964

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>200</u>	<u>200</u>	<u>surface</u>
<u>200</u>	<u>322</u>	<u>122</u>	<u>sand and shale</u>
<u>322</u>	<u>893</u>	<u>571</u>	<u>sand and shale</u>
<u>893</u>	<u>1332</u>	<u>439</u>	<u>sand and shale</u>
<u>1332</u>	<u>1772</u>	<u>440</u>	<u>sand and shale</u>
<u>1772</u>	<u>2115</u>	<u>343</u>	<u>sand and shale</u>
<u>2115</u>	<u>2500</u>	<u>385</u>	<u>sand and shale</u>
<u>2500</u>	<u>2804</u>	<u>304</u>	<u>sand and shale</u>
<u>2804</u>	<u>3050</u>	<u>246</u>	<u>sand and shale</u>
<u>3050</u>	<u>3395</u>	<u>345</u>	<u>sand and shale</u>
<u>3395</u>	<u>3615</u>	<u>220</u>	<u>sand and shale</u>
<u>3615</u>	<u>3757</u>	<u>142</u>	<u>sand and shale</u>
<u>3757</u>	<u>4077</u>	<u>320</u>	<u>sand and shale</u>
<u>4077</u>	<u>4299</u>	<u>222</u>	<u>sand and shale</u>
<u>4299</u>	<u>4593</u>	<u>294</u>	<u>sand and shale</u>
<u>4593</u>	<u>4838</u>	<u>245</u>	<u>sand and shale</u>
<u>4838</u>	<u>5164</u>	<u>326</u>	<u>sand and shale</u>
<u>5164</u>	<u>5402</u>	<u>238</u>	<u>sand and shale</u>
<u>5402</u>	<u>5868</u>	<u>466</u>	<u>sand and shale</u>
<u>5868</u>	<u>6208</u>	<u>340</u>	<u>sand and shale</u>
<u>6208</u>	<u>6300</u>	<u>92</u>	<u>shale</u>

P. CLIFFS-2552
C. HOUSE-4107
P. LOCKOUT-4797
GALLUP-6143
GREENBORN-6847
GRANEROS-6910
DAKOTA-7044

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

[illegible]

LOCATE WELL CORRECTLY

The summary on this page is for the condition of the well at above date.
 Completed drilling _____
 Drilling finished _____
 at _____

NO OIL OR GAS SANDS OR ZONES

(G) $\text{nd} \approx \text{nd} \cdot \text{nd} \cdot \text{nd} \cdot \text{nd}$

IMPORTANT WATER SAVING

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

CASING RECORD

[illegible]

HISTORY OF OIL OR GAS WELL

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

FROM-		TO-	TOTAL FEET	FORMATION
0	200	200	200	Gravel and sand
200	250	50	250	Gravel and sand
250	300	50	300	Gravel and sand
300	350	50	350	Gravel and sand
350	400	50	400	Gravel and sand
400	450	50	450	Gravel and sand
450	500	50	500	Gravel and sand
500	550	50	550	Gravel and sand
550	600	50	600	Gravel and sand
600	650	50	650	Gravel and sand
650	700	50	700	Gravel and sand
700	750	50	750	Gravel and sand
750	800	50	800	Gravel and sand
800	850	50	850	Gravel and sand
850	900	50	900	Gravel and sand
900	950	50	950	Gravel and sand
950	1000	50	1000	Gravel and sand
1000	1050	50	1050	Gravel and sand
1050	1100	50	1100	Gravel and sand
1100	1150	50	1150	Gravel and sand
1150	1200	50	1200	Gravel and sand
1200	1250	50	1250	Gravel and sand
1250	1300	50	1300	Gravel and sand
1300	1350	50	1350	Gravel and sand
1350	1400	50	1400	Gravel and sand
1400	1450	50	1450	Gravel and sand
1450	1500	50	1500	Gravel and sand
1500	1550	50	1550	Gravel and sand
1550	1600	50	1600	Gravel and sand
1600	1650	50	1650	Gravel and sand
1650	1700	50	1700	Gravel and sand
1700	1750	50	1750	Gravel and sand
1750	1800	50	1800	Gravel and sand
1800	1850	50	1850	Gravel and sand
1850	1900	50	1900	Gravel and sand
1900	1950	50	1950	Gravel and sand
1950	2000	50	2000	Gravel and sand