

[illegible]

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SP 477874
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Astec Oil and Gas Company Address Drewer # 570, Farmington, New Mex.
Lessor or Tract Hanks Field South Blanco/ Pictured Cliffs State New Mexico
Well No. 18-D Sec. 5 T. 27N R. 9W Meridian N.M.P.M. County San Juan
Location 810 ft. ^{NE} of N Line and 1840 ft. ^{EX} of E Line of Section 5 Elevation 7109 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. Salmon
Date October 20, 1960 Title District Superintendent

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

Commenced drilling October 13, 1960, 19..... Finished drilling 8/27/60, 19.....

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3178 to 3190 (g) No. 4, from _____ to _____
 No. 2, from 3196 to 3208 (g) No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, 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--	
1 1/2 x 3/8	10	20	20	20	20	20	20	20	20
1 1/2 x 3/8	6	20	20	20	20	20	20	20	20
HISTORY OF OIL & GAS FIELD									
TO: [] FROM: [] DATE: []									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	322	275	displacement		
2 7/8	3228	200	two plug		

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 25,000 # sand and 22,218 gals. water.	Breakdown pr. - 1600				
Treating pressure	= 3500 - 2900#, I.R. 18 bpm, shut-in pressure - 0					

TOOLS USED

Rotary tools were used from 0 feet to 3288 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

_____ 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 **AOB-1533** Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. ----- 534 -----

EMPLOYEES

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

FORMATION RECORD

[illegible]

[OVER]

16-43094-0

TOP OF PICTURED CLIFFS - 3174

10% OF RECORDS TOTAL = 211

17
18
19
20
21
22
23

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

Country	Population	Area	Capital	Language	Religion	Government	Year of Independence	Current Status
Algeria	24,000,000	2,381,477 sq. km	Algiers	Arabic	98% Muslim	Presidential	1962	Member of the Arab League, OIC, and UN
Angola	16,000,000	884,899 sq. km	Luanda	Portuguese	98% Catholic	Presidential	1975	Member of the OIC and UN
Argentina	36,000,000	2,780,400 sq. km	Buenos Aires	Spanish	90% Catholic	Presidential	1816	Member of the OIC and UN
Armenia	2,800,000	29,743 sq. km	Yerevan	Armenian	98% Catholic	Presidential	1991	Member of the OIC and UN
Azerbaijan	8,000,000	86,600 sq. km	Baku	Azerbaijani	98% Muslim	Presidential	1991	Member of the OIC and UN
Bahrain	1,200,000	780 sq. km	Manama	Arabic	98% Muslim	Monarchy	1971	Member of the OIC and UN
Belarus	9,000,000	207,600 sq. km	Minsk	Belarusian	80% Catholic	Presidential	1991	Member of the OIC and UN
Belize	400,000	22,967 sq. km	Belize City	English	90% Catholic	Parliamentary	1981	Member of the OIC and UN
Bhutan	2,500,000	38,394 sq. km	Thimphu	Tibetan	98% Buddhist	Monarchy	1971	Member of the OIC and UN
Bolivia	9,000,000	1,098,581 sq. km	Sucre	Spanish	98% Catholic	Presidential	1985	Member of the OIC and UN
Bosnia and Herzegovina	4,000,000	51,129 sq. km	Sarajevo	Bosnian	98% Muslim	Parliamentary	1992	Member of the OIC and UN
Brazil	160,000,000	8,511,965 sq. km	Brasilia	Portuguese	98% Catholic	Presidential	1988	Member of the OIC and UN
Bulgaria	8,000,000	110,912 sq. km	Sofia	Bulgarian	98% Catholic	Presidential	1991	Member of the OIC and UN
Burkina Faso	14,000,000	274,200 sq. km	Ouagadougou	French	98% Catholic	Presidential	1986	Member of the OIC and UN
Burundi	7,000,000	27,834 sq. km	Gitega	French	98% Catholic	Presidential	1992	Member of the OIC and UN
Cambodia	14,000,000	181,035 sq. km	Phnom Penh	Khmer	98% Buddhist	Monarchy	1993	Member of the OIC and UN
Cameroon	18,000,000	475,339 sq. km	Yaounde	French	98% Catholic	Presidential	1960	Member of the OIC and UN
Canada	31,000,000	9,984,670 sq. km	Ottawa	English	90% Catholic	Parliamentary	1982	Member of the OIC and UN
Chad	10,000,000	1,284,000 sq. km	Ndjamena	French	98% Catholic	Presidential	1990	Member of the OIC and UN
China	1,200,000,000	9,596,961 sq. km	Beijing	Mandarin	98% Catholic	Presidential	1949	Member of the OIC and UN
Colombia	36,000,000	1,141,712 sq. km	Bogota	Spanish	98% Catholic	Presidential	1958	Member of the OIC and UN
Costa Rica	4,000,000	51,064 sq. km	San Jose	Spanish	98% Catholic	Presidential	1948	Member of the OIC and UN
Croatia	4,000,000	56,538 sq. km	Zagreb	Croatian	98% Catholic	Parliamentary	1991	Member of the OIC and UN
Cuba	11,000,000	110,860 sq. km	Havana	Spanish	98% Catholic	Presidential	1959	Member of the OIC and UN
Cyprus	800,000	9,251 sq. km	Nicosia	Greek	98% Catholic	Parliamentary	1960	Member of the OIC and UN
Czech Republic	10,000,000	78,866 sq. km	Prague	Czech	98% Catholic	Parliamentary	1993	Member of the OIC and UN
Dominican Republic	7,000,000	76,625 sq. km	Santo Domingo	Spanish	98% Catholic	Presidential	1978	Member of the OIC and UN
Dominica	70,000	751 sq. km	Roseau	English	98% Catholic	Parliamentary	1978	Member of the OIC and UN
Ecuador	11,000,000	283,560 sq. km	Quito	Spanish	98% Catholic	Presidential	1960	Member of the OIC and UN
Egypt	70,000,000	1,001,450 sq. km	Cairo	Arabic	98% Muslim	Presidential	1952	Member of the OIC and UN
El Salvador	5,000,000	21,546 sq. km	San Salvador	Spanish	98% Catholic	Presidential	1984	Member of the OIC and UN
Equatorial Guinea	1,000,000	28,051 sq. km	Malabo	French	98% Catholic	Presidential	1973	Member of the OIC and UN
Eritrea	3,000,000	122,360 sq. km	Asmara	Tigrinya	98% Catholic	Presidential	1993	Member of the OIC and UN
Estonia	1,100,000	45,248 sq. km	Tallinn	Estonian	98% Catholic	Parliamentary	1991	Member of the OIC and UN
Ethiopia	60,000,000	1,104,308 sq. km	Addis Ababa	Amharic	98% Catholic	Presidential	1991	Member of the OIC and UN
Fiji	700,000	183,344 sq. km	Suva	English	98% Catholic	Parliamentary	1970	Member of the OIC and UN
Finland	5,000,000	130,385 sq. km	Helsinki	Finnish	98% Catholic	Parliamentary	1991	Member of the OIC and UN
France	60,000,000	643,801 sq. km	Paris	French	98% Catholic	Presidential	1958	Member of the OIC and UN
Gabon	1,500,000	267,668 sq. km	Libreville	French	98% Catholic	Presidential		

FOCKLE MEET COMBESONIA

References

DEVELOPMENT OF THE TELEVISION
BROADCAST SITE

1. The first step is to identify the problem. In this case, the problem is that the system is not working properly.