

CLEMENTSON ENGINEERING COMPANY

*Petroleum and Natural Gas Engineers
San Antonio, Texas*

BOTTOM HOLE PRESSURE SURVEY

Company AMINI OIL COMPANY Test Date June 27, 1973
Lease & Well No. Pubco Federal No. 1 Field South Salt Lake

Zero Point and Elevation	Data at Test Depth	Test Depth to Datum	Datum
O= <u>-</u> ft. above <u>-</u>	Depth <u>13500</u> ft.	Depth <u>465</u> ft.	Depth <u>13997</u> ft.
O= <u>-</u> ft. above Sea Level	Temp. <u>263</u> °F	Gradient <u>.110</u> psi/ft.	Temp. <u>269</u> °F
<u>-</u> ft. Subsea Test Depth	Press. <u>6848</u> psig	Correction <u>51</u> psi	Press. <u>6899</u> psig

Depth Feet	Pressure psig	Gradient psi/ft
Surface	5165	
8000	6181	.127
10000	6424	.122
12000	6674	.125
13300	6826	.117
13500	6848	.110
FLOWING	BOTTOM HOLE	PRESSURES
Rate No.	PSIG @ 13500	PSIA @ 13997
1	3206	3259
2	3581	3638
3	4122	4184
4	4683	4749

Previous BHP: Date Initial Test psig
Change - - psig
Fluid Levels: Oil None ft. Water None ft.

Remarks
Shut-in Time: 24 Hours
2 1/2" Tbg. Set at 13,550 ft.
Perforations: 13968-80 ft.
14018-26 ft.
Tree Connection: 2 1/2" EUE
Amerada Instrument: RPG-3 Range 7000 psi
Serial No. 27558

Unit: B-3
Engineer: Talbott, Sievers, Andreen

Note: This test was performed prior to the Back Pressure Test.

Clementson

PETROLEUM AND NATURAL GAS

Engineers

TELEPHONE NO. 824-6192

July 10, 1973

D-106 PETROLEUM CENTER
SAN ANTONIO, TEXAS 78209

For: AMINI OIL COMPANY
405 Wall Towers East
Midland, Texas 79701

Date Sampled: 6-28-73

Well: Pubco Federal No. 1

Separation Conditions:
810# & 96°F

Field: South Salt Lake

CHROMATOGRAPH ANALYSIS

<u>Component</u>	<u>Mol %</u>	<u>GPM</u>
Nitrogen	.42	
Carbon Dioxide	Trace	
Methane	89.02	
Ethane	6.14	
Propane	2.36	.659
Iso-Butane	.59	.193
N-Butane	.57	.180
Iso-Pentane	.22	.080
N-Pentane	.16	.058
Hexanes Plus	.52	.240
Totals:	100.00	1.400

Computed Sp.Gr.(Air=1): .646

Computed Gross Heating
Value, BTU/Cubic Foot;

Dry Basis : 1143

Saturated Basis : 1123

Base Conditions: 14.65 PSIA & 60°F

Certified: CLEMENTSON ENGINEERING COMPANY

R. C. Clementson

COMPANY: AMINI OIL COMPANY
405 Wall Towers East
Midland, Texas 79701

CLEMENTSON ENGINEERING COMPANY
Petroleum and Natural Gas Engineers
San Antonio, Texas
PRODUCTION TESTS

DATE: July 10, 1973
FIELD: South Salt Lake
Lea County, New Mexico

LEASE: Pubco Federal No. 1

Test Date	Choke Inches	Length of Test Hours	Final W.H. Pressure	SEPARATOR GAS					STOCK TANK LIQUIDS				
				Pressure PSIG	Temp. °F	Volume MCF/D	Specific Gravity	Condensate		% API	Water		
								Bbls/Day	Bbls/MMCF		Bbls/Day	Bbls/MM	Cl-PPM
1973													
6-27,28	15/64	First 6	2109	820	108	3250	.646	61.36	18.88	49.4	Trace	Trace	---
6-28	13/64	Next 2	2382	815	106	2970	.646	50.81	17.11	49.4	0.0	0.0	---
6-28	11/64	Next 2	2795	820	104	2663	.646	44.17	16.59	49.4	0.0	0.0	---
6-28	9/64	Final 2	3240	810	96	2215	.646	39.39	17.79	49.4	0.0	0.0	---

BASE CONDITIONS: 14.65 PSIA & 60°F

CERTIFIED: CLEMENTSON ENGINEERING COMPANY

BY:

W. C. Clementson

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