

OIL CONSERVATION COMMISSION

BOX 2045

HOBBS, NEW MEXICO

NOTICE OF GAS CONNECTION

DATE January 21, 1974

This is to notify the Oil Conservation Commission that connection for  
the purchase of gas from the Amini Oil Company, Pubco Federal,  
Operator Lease  
NW SW SALT LAKE  
# 1, Sec.2-21S-32 E., SOUTH MORROW, SOUTHERN UNION GAS CO.,  
Well Unit S.T.R. Pool Name of Purchaser

was made on January 21, 1974

SOUTHERN UNION GAS COMPANY  
Purchaser

*James P. Green*  
Representative

TRANSMISSION MANAGER

Title

SOUTHERN UNION PRODUCTION COMPANY

8350 N. Central Expressway, Campbell Center, Dallas, Tx. 75206

cc: To operator: Amini Oil Company, 1505 First City East, Houston, Tx. 77002

Oil Conservation Commission - Santa Fe

E. R. Corliss - Dallas - Engineering Dept.

W. B. Richardson - Gas Meas. - Dallas

R. J. McCrary - Dallas - Purchase & Prorations

E. H. Redden - Carlsbad - Dispatch Office

~~JOHN H. CANNON - CARLSBAD - DISPATCH OFFICE~~

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)Form approved,  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other _____		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other _____
2. NAME OF OPERATOR						5. LEASE DESIGNATION AND SERIAL NO.	
Amini Oil Company						NM 093840	
3. ADDRESS OF OPERATOR						6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
405 Wall Towers East - Midland, Tx. 79701						---	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*						7. UNIT AGREEMENT NAME	
At surface 3300' FNL & 660' FWL						---	
At top prod. interval reported below Same						8. FARM OR LEASE NAME	
At total depth Same						Pubco Federal	
14. PERMIT NO. Letter						9. WELL NO.	
DATE ISSUED 3-27-73						1	
15. DATE SPUDDED 3-31-73						10. FIELD AND POOL, OR WILDCAT	
16. DATE T.D. REACHED 6-5-73						Salt Lake South	
17. DATE COMPL. (Ready to prod.) 6-16-73						11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA	
18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 3719 GR						Sec. 2, T-21-S, R-32-E	
19. ELEV. CASINGHEAD 3719'						12. COUNTY OR PARISH	
20. TOTAL DEPTH, MD & TVD 14407						Lea	
21. PLUG, BACK T.D., MD & TVD 14348						13. STATE	
22. IF MULTIPLE COMPL., HOW MANY* ---						N. Mexico	
23. INTERVALS DRILLED BY ---						24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*	
ROTARY TOOLS X						13968 - 13980 & 14018 - 14026 Morrow - Pennsylvanian	
CABLE TOOLS						25. WAS DIRECTIONAL SURVEY MADE	
26. TYPE ELECTRIC AND OTHER LOGS RUN						No	
*Compensated Acoustic Velocity, Gamma Ray Neutron, Guard						27. WAS WELL CORED	
28. CASING RECORD (Report all strings set in well)						No	
CASINO SIZE		WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	
20"	94#	404'	26"	700 sx	---		
13-3/8"	54.5, 61 & 68#	4000'	17 1/2"	3475 sx	---		
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
9-5/8"	3734	11243	2000		2-7/8"	13550	13550
5 1/2"	10968	14407	725				
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
13968-13980 .33" 13 holes				DEPTH INTERVAL (MD)			
14018-14026 .33" 9 holes				AMOUNT AND KIND OF MATERIAL USED			
				13968-13980 Perforated			
				14018-14026 Perforated			
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
6-16-73		Flowing				Shut In	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-16-73	24	Form C-122	---	80	4200	-0-	52600/1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
see Form C-122	Packer	---	80	4200	-0-	49.4	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
Sold - As soon as pipeline connected						Joel Lawhorn	
35. LIST OF ATTACHMENTS							
*Logs, Inclination Report, Form C-122 & Attachments							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED		TITLE			DATE		
Farin Gordon		Agent			7-12-73		

\*(See Instructions and Spaces for Additional Data on Reverse Side)

## INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on Items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see Item 33.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in Item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement". Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for Items 22 and 24 above.)

37. SUMMARY OF PORE'S ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF, CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING, AND SHUT-IN PRESSURE, AND RECOVERIES			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Morrow	13900	14300	Sand	Anhydrite T/Salt T/Yates T/Capitan Rf. T/Delaware Mt. T/Bone Spring T/Wolfcamp T/Strawn T/Atoka T/Morrow	1430 1575 3410 3600 4550 8445 11695 12675 12935 13535	

# Clementson

PETROLEUM AND NATURAL GAS

## Engineers

TELEPHONE NO. 824-6192

July 10, 1973

D-309 PETROLEUM CENTER  
SAN ANTONIO, TEXAS 78209

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

Test Dates: 6-28, 29-73

Well: Pubco Federal No. 1

Field: South Salt Lake

### BOTTOM HOLE PRESSURE BUILDUP TEST

<u>Date</u>	<u>Time</u>	<u>Minutes</u>	<u>Hours</u>	<u>PSIG at 13,997'</u>	<u>Remarks</u>
6-28	8:00 am	0	0	4749	Well shut in at end of Back Pressure Test.
		1		4766	
		2		4826	
		4		4960	
		6		5099	Test Depth = 13,500'.
		8		5180	
		10		5300	
		15	0.25	5651	
		20		5905	See attached BHP Survey Report for perforations, temperature, initial gradient stops, etc.
		25		6097	
		30	0.50	6277	
		35		6433	
		40		6568	
		45	0.75	6656	
		50		6718	
		55		6743	
6-28	9:00 am	60	1.00	6754	Gradient stops 9:00 am, 6-29-73
		75	1.25	6757	
		90	1.50	6758	<u>Depth</u> <u>PSIG</u> <u>psi/ft</u>
6-28	10:00 am	120	2.00	6758	Surface                      5014
		240	4.00	6758	13,300                      6678                      .125
		480	8.00	6758	13,500                      6702                      .120
6-28	8:00 pm	720	12.0	6758	
		960	16.0	6758	
		1200	20.0	6758	
6-29	8:00 am	1440	24.0	6758	Instruments off bottom.

Certified: CLEMENTSON ENGINEERING COMPANY



# 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