

E. C. BARNHOLT  
PETROLEUM ENGINEER

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TRIO PETRO INC.

WELL SUMMARY

STATE: New Mexico

COUNTY: Mora

LEASE: Harold Daniels

WELL: No. 1

LOCATION: SE/4 NE/4 Section 24, Township 22 North,  
Range 21 East

ELEVATION: 6205 G.L.

DATE SPUDDED: February 6, 1977

CONDUCTOR HOLE SIZE: 13 3/4" Depth: 33.50 ft.

CONDUCTOR SIZE: 10 3/4" Amount: 33.50 ft.

SIZE HOLE BELOW  
CONDUCTOR: 8 3/4" to 966 ft.

PRODUCTION CASING  
SIZE: 7", 8 rd., 17 lb 2100 psi test to  
956.00 ft.

CEMENTED WITH: 150 sacks Class "A" neat, cement cir-  
culated

SIZE HOLE BELOW

PRODUCTION CASING: 6 1/8" to 1034 ft.

LINER SIZE:

CEMENTED WITH:

STIMULATION:

## DAILY DRILLING REPORT

February 6, 1977: Rig up, spud well @ 12:35 p.m. Drill 8 3/4" pilot hole to top of shale @ 30 ft. Breakout tongs broke. Shut down. Prep. to ream and set conductor.

February 7, 1977: Repair breakout tongs, ream pilot hole to 13 3/4", drill ahead to 33 ft. Drove 10 3/4" conductor to 33.50 ft.

February 8, 1977: Rig up drilling head and blooie line, out from under conductor with 8 3/4" bit @ 8:40 a.m. Dusted to 966 ft. Cumulative 8 3/4" bit footage 2907 ft., bit condition fair.

February 9, 1977: Condition hole, pull bit and drill pipe, start running 7" csg.

February 10, 1977: Ran 56 jts. 7", 17 lb. 2100 psi test csg. to 961.98 ft., csg. equipped with Halliburton float shoe on bottom, 1 - centralizer over the collar of the shoe joint, 1 - basket on top of the centralizer and 1 - basket 28 jts. from shoe joint. Cemented with 150 sacks Class "A" neat. Plug down @ 4:00 p.m., float held, cement circulated.

March 14, 1977: Rig up, install drilling head and steel blooie line, Ran 6 1/8" bit, blowing well down, drilled plug and float shoe, dry hole up. Drilled and tested as follows:  
969 ft. - test for gas @ blooie line, no blow.  
979 ft. - a/a  
984 ft. - a/a  
985 ft. - Moisture, shut down.

March 15, 1977: No blow @ blooie line, couldn't break circulation, pulled 175 ft. drill pipe. Broke circulation est. 275 ft. fluid in hole. Good gas burn ahead of fluid est. 3-4' flare. Drilled and tested as follows:  
989 ft. - test for gas @ blooie line, no blow  
999 ft. - a/a, est. 3-4 GPM wtr.  
1008 ft. - a/a a/a  
1018 ft. - a/a

1028 ft. - a/a

1034 ft. - a/a

Condition hole, pulled drill pipe. Rigged up Welex, ran IES, CDL, GR/N logs. Cumulative 6 1/8" Smith bit footage 202 ft., bit condition fair. Released rig.

March 17, 1977: Rigged up Schlumberger, ran Repeat Formations tester.

Cores: None

Tests:

<u>No.</u>	<u>Depth</u>	<u>Press.</u>	<u>Buildup Time</u>	<u>Hydrostatic</u>	<u>Sample Recovery</u>
1	1000	16 psi	5 min	248 psi	None taken
2	1003	20 psi	5 min	252 psi	None taken
3	975	242 psi	3.7 min	239 psi	.04 ft <sup>3</sup> gas, 950 cc wtr. Rw=7.7 @ 64°F
4	965	Misrun			
5	964	19 psi	5 min	236 psi	None taken

Test No. 3 (1 gal.)

ISIP	242 psi
Shut-in	3.7 min
Sampling	146 psi
Sampling Time	20 min
FSIP	241 psi
Shut-in	.5 min
Hydrostatic	241 psi
Recovered:	.01 ft <sup>3</sup> free gas, .03 ft <sup>3</sup> solution gas, 950 cc wtr.
Rw =	7.7 @ 64°F

Formation Tops:	<u>Formation</u>	<u>Electric Log</u>	<u>Datum</u>
	Carlile	511	+5694
	Greenhorn	712	+5493
	Graneros	775	+5430
	Dakota	961	+5244
	Total Depth	1034	+5171

Conclusions:

After careful study of the logs, samples and test data, it was decided to attempt to complete this well in the Dakota. A completion program is being designed. Status of the well is shut in waiting on completion tools.