



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

Company Deep Rock Exploration, Inc. Lease & Well No. Gannon No. 2

Elevation 3771 GL Formation Dakota Effective Pay -- Ft. Ticket No. J1271

Date 7-24-02 Sec. 2 Twp. 9S Range 41W County Sherman State Kansas

Test Approved By Rod Andersen Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 2,202 ft. to 2,220 ft. Total Depth 2,220 ft.

Packer Depth 2,197 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 2,202 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 2,205 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 2,217 ft. Recorder Number 13556 Cap. 5,475 psi

Below Straddle Recorder Depth ft. Recorder Number psi

Drilling Contractor Murfin Drlg Co., Inc. - Rig 3 Drill Collar Length 500 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 42 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.1 Water Loss 7.2 cc. Drill Pipe Length 1,674 ft. I.D. 3 1/2 in.

Chlorides 300 P.P.M. Test Tool Length 28 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number 2 Anchor Length 18 ft. Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Weak, 2 in., blow decreasing to 1/2 in. by end.

2nd Open: No blow. Flushed tool but no help.

Recovered 20 ft. of heavy drilling mud = .098400 bbls.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks BOTTOM HOLE SAMPLER RECOVERY:

P.S.I.: 75 lbs.

Fluid: 200 cc very heavy mud

Time Set Packer(s) 9:45 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 11:15 ~~P.M.~~ ^{A.M.} Maximum Temperature 100°

Initial Hydrostatic Pressure (A) 1065 P.S.I.

Initial Flow Period Minutes 15 (B) 77 P.S.I. to (C) 76 P.S.I.

Initial Closed In Period Minutes 30 (D) 854 P.S.I.

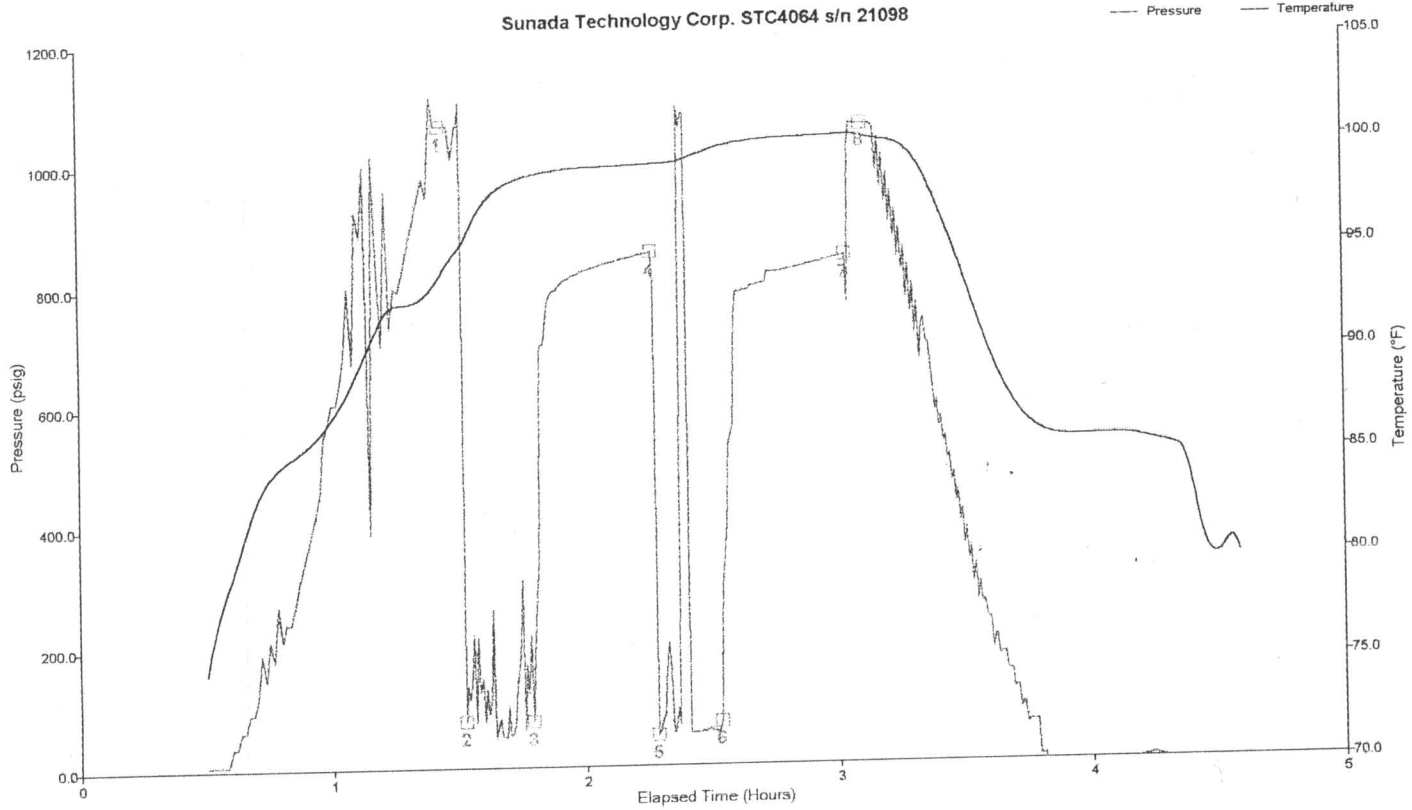
Final Flow Period Minutes 15 (E) 50 P.S.I. to (F) 72 P.S.I.

Final Closed In Period Minutes 30 (G) 844 P.S.I.

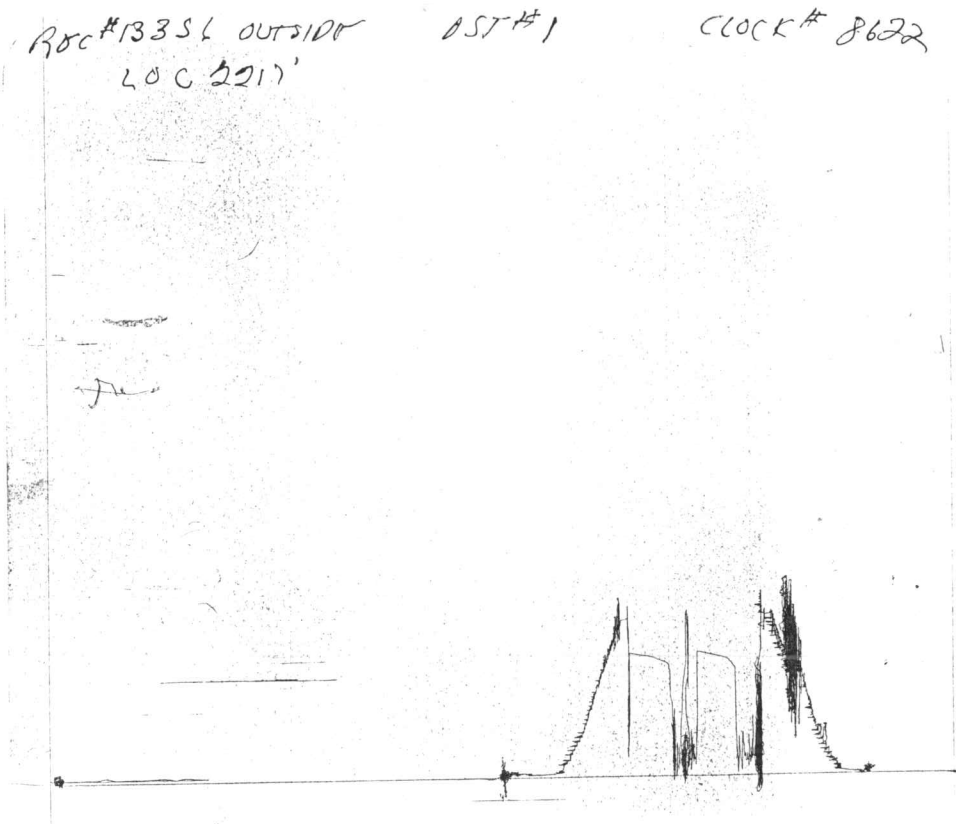
Final Hydrostatic Pressure (H) 1058 P.S.I.

Well LSD:
 Well Name:
 Company:
 Battery on:
 Notes:

DST 1 DAKOTA 2202-2220
 GANNON 2
 DEEP ROCK EXPLORATION
 Jul 24, 2002 at 08:12:00
 REC. 20' HVY DRILLING MUD [TOOL PLUGGING DURING
 FLOW PERIODS UNTIL TOOL WAS FLUSHED]



Tag	Pressure	Temperature	Comment
1	1064.81 psig	93.98 °F	2002-07-24 09:38:00
2	77.45 psig	95.50 °F	2002-07-24 09:43:30
3	75.95 psig	98.63 °F	2002-07-24 09:59:30
4	853.97 psig	99.08 °F	2002-07-24 10:28:00
5	50.11 psig	99.09 °F	2002-07-24 10:29:00
6	72.06 psig	99.87 °F	2002-07-24 10:44:00
7	844.10 psig	100.36 °F	2002-07-24 11:14:00
8	1057.92 psig	100.28 °F	2002-07-24 11:18:00



This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading	Office Reading		
(A) Initial Hydrostatic Mud	1065	1065		PSI
(B) First Initial Flow Pressure.....	77	77		PSI
(C) First Final Flow Pressure	76	76		PSI
(D) Initial Closed-in Pressure	854	854		PSI
(E) Second Initial Flow Pressure.....	50	50		PSI
(F) Second Final Flow Pressure.....	72	72		PSI
(G) Final Closed-in Pressure.....	844	844		PSI
(H) Final Hydrostatic Mud.....	1058	1058		PSI