15-199-20291 13-14s-39w

DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313

ompany Deep Rock Exploration, Inc. Lease & Well No. Fry No. 1

levation 3469 GL Formation Upper Morrow Effective Pay -- Ft. Ticket No. J1241

ate 5-7-02 Sec. 13 Twp. 14S Range 39W County Wallace State Kansas

'est Approved By Curtis E. Covey Diamond Representative John C. Riedl

ormation Test No. 1 Interval Tested from 4,796 ft. to 4,850 ft. Total Depth 4,850 ft.

acker Depth 4,791 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

acker Depth 4,796 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

epth of Selective Zone Set ft.

op Recorder Depth (Inside) 4,799 ft. Recorder Number Elec. Cap. 5,000 psi

ottom Recorder Depth (Outside) 4,847 ft. Recorder Number 13556 Cap. 5,475 psi

elow Straddle Recorder Depth ft. Recorder Number Cap. psi

rilling Contractor Murfin Drlg Co., Inc. - Rig 3 Drill Collar Length 236 ft. I.D. 2 1/4 in.

lud Type Chemical Viscosity 56 Weight Pipe Length -- ft. I.D. -- in.

Veight 9.2 Water Loss 8.0 cc. Drill Pipe Length 4,532 ft. I.D. 3 1/2 in.

hlorides 3,000 P.P.M. Test Tool Length 28 ft. Tool Size 3 1/2 - IF in.

ars: Make Bowen Serial Number 2 Anchor Length 54 ft. Size 4 1/2 - FH in.

id Well Flow? No Reversed Out Yes 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.

low: 1st Open: Strong blow. Off bottom of bucket in 1 min. No blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket in 2½ mins. Decreasing to 6 ins. by end. No blow back during shut-in.

TOP Recovered 370 ft. of muddy water = 2.152720 bbls. (Grind out: 50%-mud; 50%-water)

BOTTOM Recovered 2,400 ft. of gassy water = 17.760000 bbls. (Grind out: 5%-gas; 95%-water)

Recovered 2,770 ft. of TOTAL FLUID = 19.912720 bbls.

Recovered ft. of

Recovered ft. of

Remarks BOTTOM HOLE SAMPLER RECOVERY:
P.S.I.: 700 lbs.
Fluid : .3 cft gas
3,800 cc water
3,800 TOTAL FLUID

Time Set Packer(s) 10:20 ~~A~~P.M. Time Started Off Bottom 2:20 ~~P~~A.M. Maximum Temperature 134°

Initial Hydrostatic Pressure ..... (A) 2352 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 474 P.S.I. to (C) 946 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 1108 P.S.I.

Final Flow Period ..... Minutes 60 (E) 973 P.S.I. to (F) 1113 P.S.I.

Final Closed In Period ..... Minutes 90 (G) 1132 P.S.I.

Final Hydrostatic Pressure ..... (H) 2332 P.S.I.

DIAMOND TESTING
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FLUID SAMPLE DATA

Company: Deep Rock Exploration, Inc.

Lease & Well No.: Fry No. 1

Date: 5-7-02 Sec. 13 Twp. 14 S Range 39 W

Formation Test No. 1 Interval Tested From 4,796 ft. to 4,850 ft. Total Depth 4,850 ft.

Formation: Upper Morrow

	MUD PIT	RECOVERY
Viscosity	56 CP	-- CP
Weight	9.2	--
Water Loss	8.0 CC	-- CC
PH Factor	9.0	--

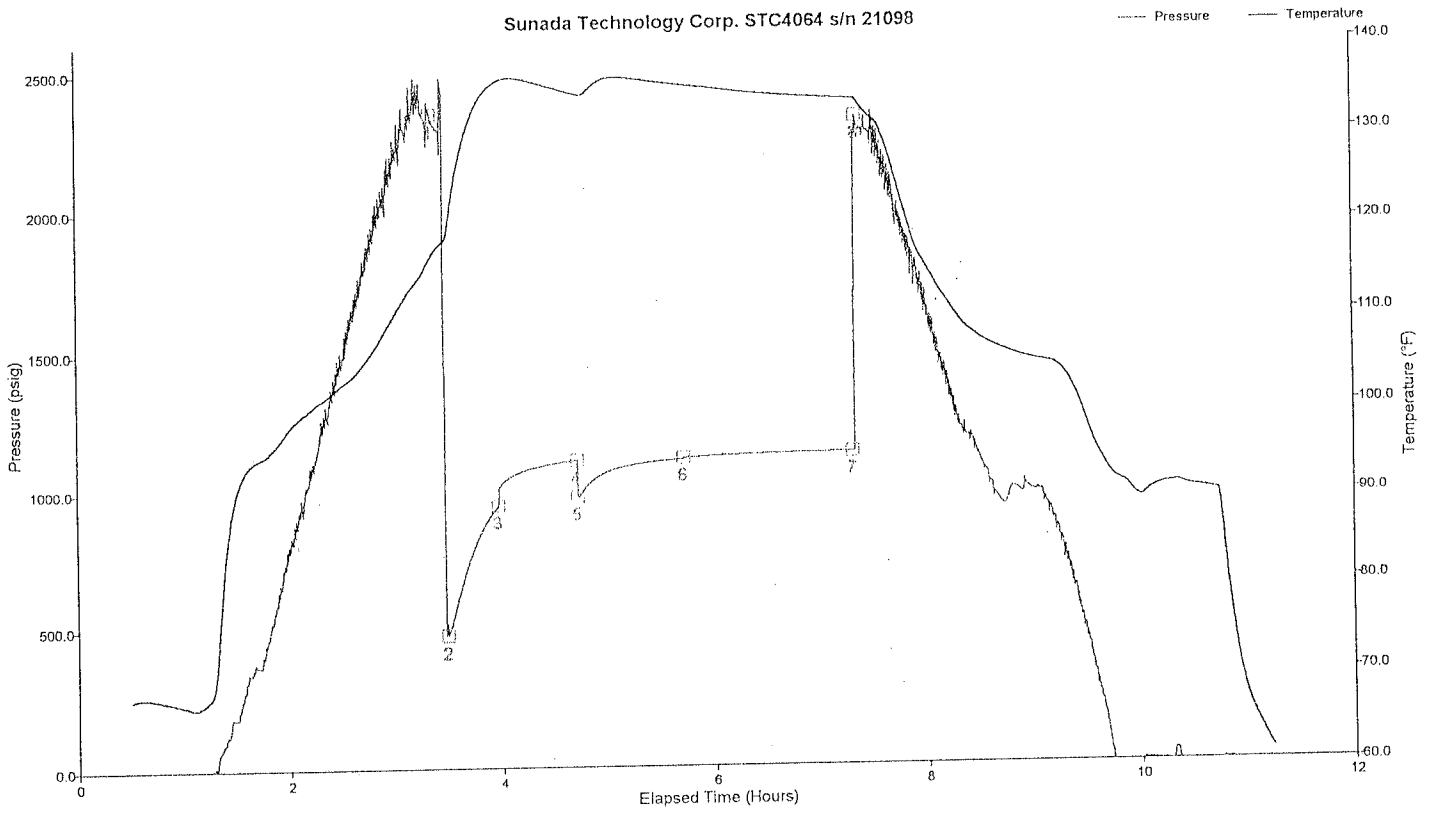
	RESISTIVITY			CHLORIDE CONTENT
Recovery Water	.41	@ 80 °F.		16,000 ppm
Recovery Mud	--	@ -- °F.		-- ppm
Recovery Mud Filtrate	--	@ -- °F.		-- ppm
Mud Pit Sample	2.10	@ 70 °F.		3,000 ppm
Mud Pit Sample Filtrate	2.00	@ 70 °F.		2,900 ppm

Sample Taken By: JOHN C. RIEDL

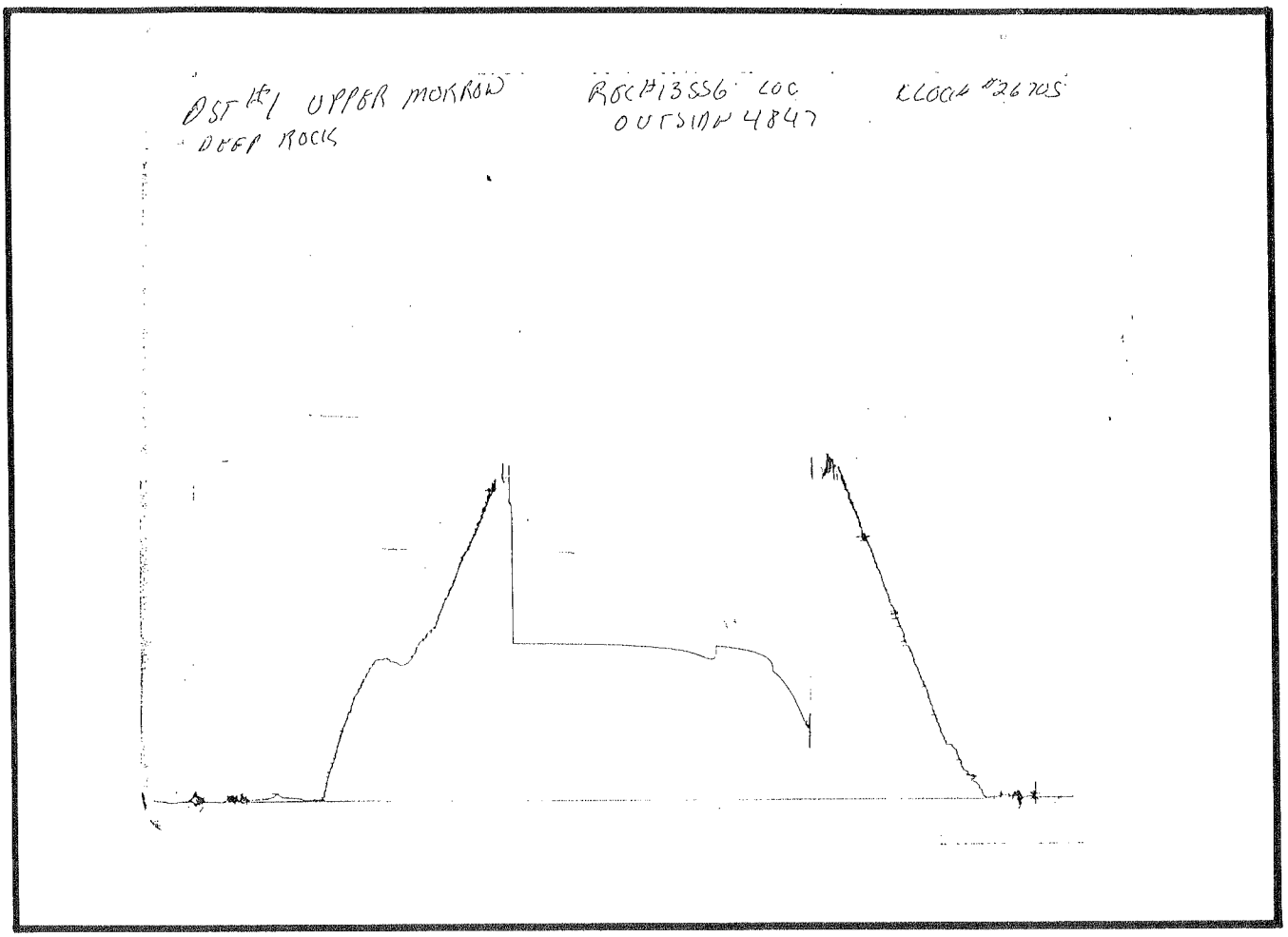
Witness By: Curtis E. Covey

Remarks: Pit filtrate triton dish chlorides were 3,000 Ppm.
Recovery water dish chlorides were 17,000 Ppm.

Well LSD: DST 1 UPPER MORROW 4796-4850
Well Name: FRY 1
Company: DEEP ROCK EXPLORATION
Battery on: May 8, 2002 at 06:22:00 p.m.
Notes: REC. 370' MUDDY WATER 2400' GAS CUT WATER



Tag	Pressure	Temperature	Comment
1	2352.20 psig	116.67 °F	2002-05-08 09:43:00 p.m.
2	473.81 psig	118.72 °F	2002-05-08 09:51:30 " "
3	945.83 psig	135.96 °F	2002-05-08 10:20:30 " "
4	1108.32 psig	134.48 °F	2002-05-08 11:05:00 " "
5	973.27 psig	134.45 °F	2002-05-08 11:05:30 " "
6	1112.70 psig	135.37 °F	2002-05-08 12:05:00 " "
7	1131.87 psig	133.68 °F	2002-05-08 13:40:30 " "
8	2332.31 psig	133.59 °F	2002-05-08 13:43:00 " "



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Elec. Office Reading	
(A)	Initial Hydrostatic Mud	2352	2352	PSI
(B)	First Initial Flow Pressure	474	474	PSI
(C)	First Final Flow Pressure	946	946	PSI
(D)	Initial Closed-in Pressure	1108	1108	PSI
(E)	Second Initial Flow Pressure	973	973	PSI
(F)	Second Final Flow Pressure	1113	1113	PSI
(G)	Final Closed-in Pressure	1132	1132	PSI
(H)	Final Hydrostatic Mud	2332	2332	PSI

DIAMOND TESTING

P.O. Box 157
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Company Deep Rock Exploration, Inc. Lease & Well No. Fry No. 1

Elevation 3469 GL Formation Lower Morrow Effective Pay -- Ft. Ticket No. J1242

Date 5-9-02 Sec. 13 Twp. 14S Range 39W County Wallace State Kansas

Test Approved By Curtis E. Covey Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 4,932 ft. to 5,006 ft. Total Depth 5,006 ft.

Packer Depth 4,927 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,932 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,935 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 5,003 ft. Recorder Number 13556 Cap. 5,475 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Murfin Drlg Co., Inc. - Rig 3 Drill Collar Length 236 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 55 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 8.0 cc. Drill Pipe Length 4,668 ft. I.D. 3 1/2 in.

Chlorides 4,000 P.P.M. Test Tool Length 28 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number 2 Anchor Length 74 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, 1 in., blow decreasing to ½ in. by end.
2nd Open: No blow.

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

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks BOTTOM HOLE SAMPLER RECOVERY:
P.S.I.: 50 lbs
Fluid : 4,000 cc mud

Time Set Packer(s) 5:18 A.M. P.M. Time Started Off Bottom 7:18 A.M. P.M. Maximum Temperature 124°

Initial Hydrostatic Pressure ..... (A) 2431 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 21 P.S.I. to (C) 30 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 85 P.S.I.

Final Flow Period ..... Minutes 30 (E) 31 P.S.I. to (F) 34 P.S.I.

Final Closed In Period ..... Minutes 45 (G) 56 P.S.I.

Final Hydrostatic Pressure ..... (H) 2372 P.S.I.

DIAMOND TESTING
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FLUID SAMPLE DATA

Company Deep Rock Exploration, Inc.

Lease & Well No. Fry No. 1

Date 5-9-02 Sec. 13 Twp. 14 S Range 39 W

Formation Test No. 2 Interval Tested From 4,932 ft. to 5,006 ft. Total Depth 5,006 ft.

Formation Lower Morrow

	MUD PIT	RECOVERY
Viscosity	55 CP	50 CP
Weight	9.2	9.1
Water Loss	8.0 CC	8.0 CC
PH Factor	8.5	8.5

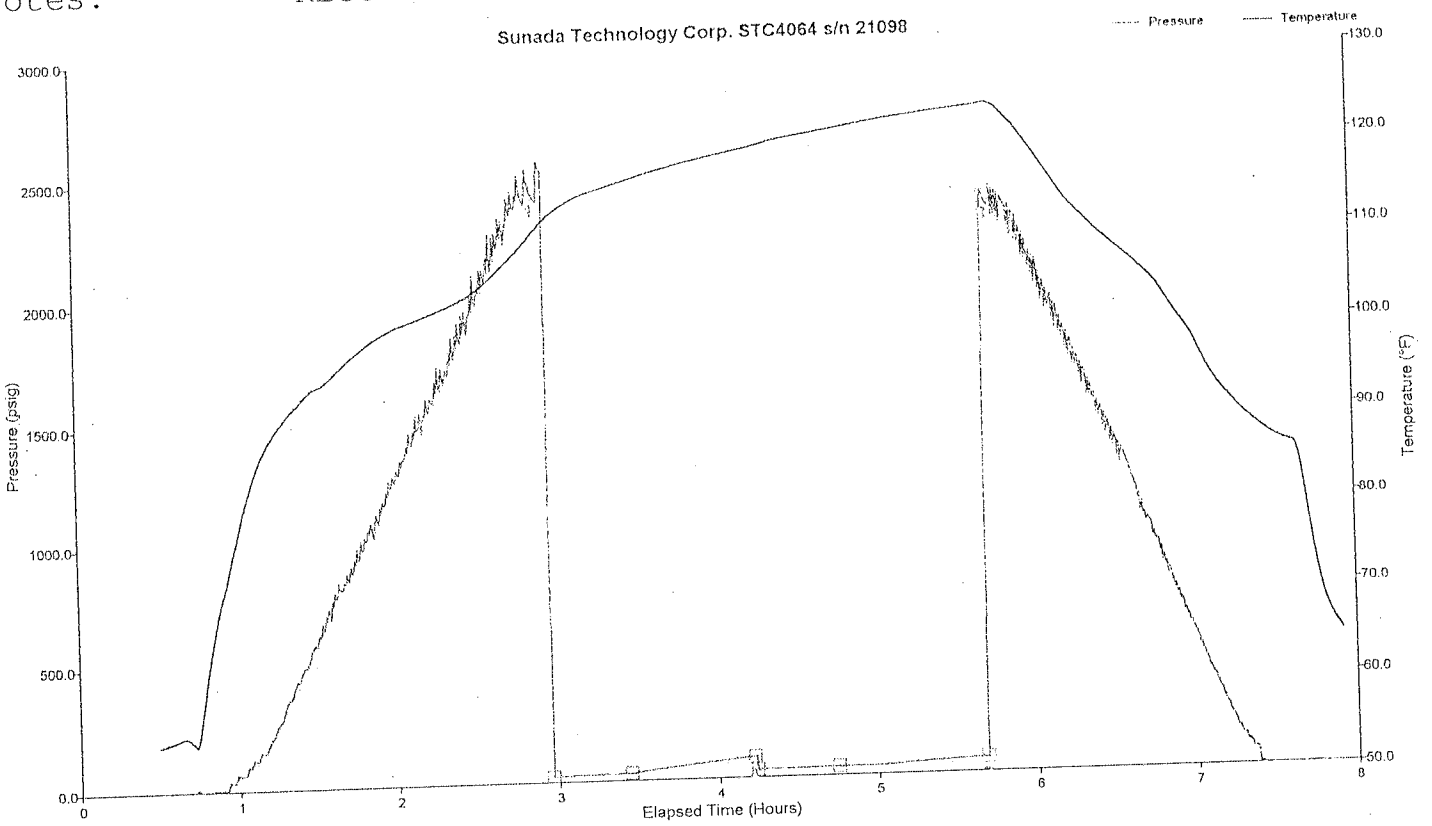
	RESISTIVITY			CHLORIDE CONTENT
Recovery Water	--	@ --	°F.	-- ppm
Recovery Mud	1.20	@ 80	°F.	4,500 ppm
Recovery Mud Filtrate	1.20	@ 80	°F.	4,500 ppm
Mud Pit Sample	1.60	@ 70	°F.	4,600 ppm
Mud Pit Sample Filtrate	1.60	@ 70	°F.	4,600 ppm

Sample Taken By JOHN C. RIEDL

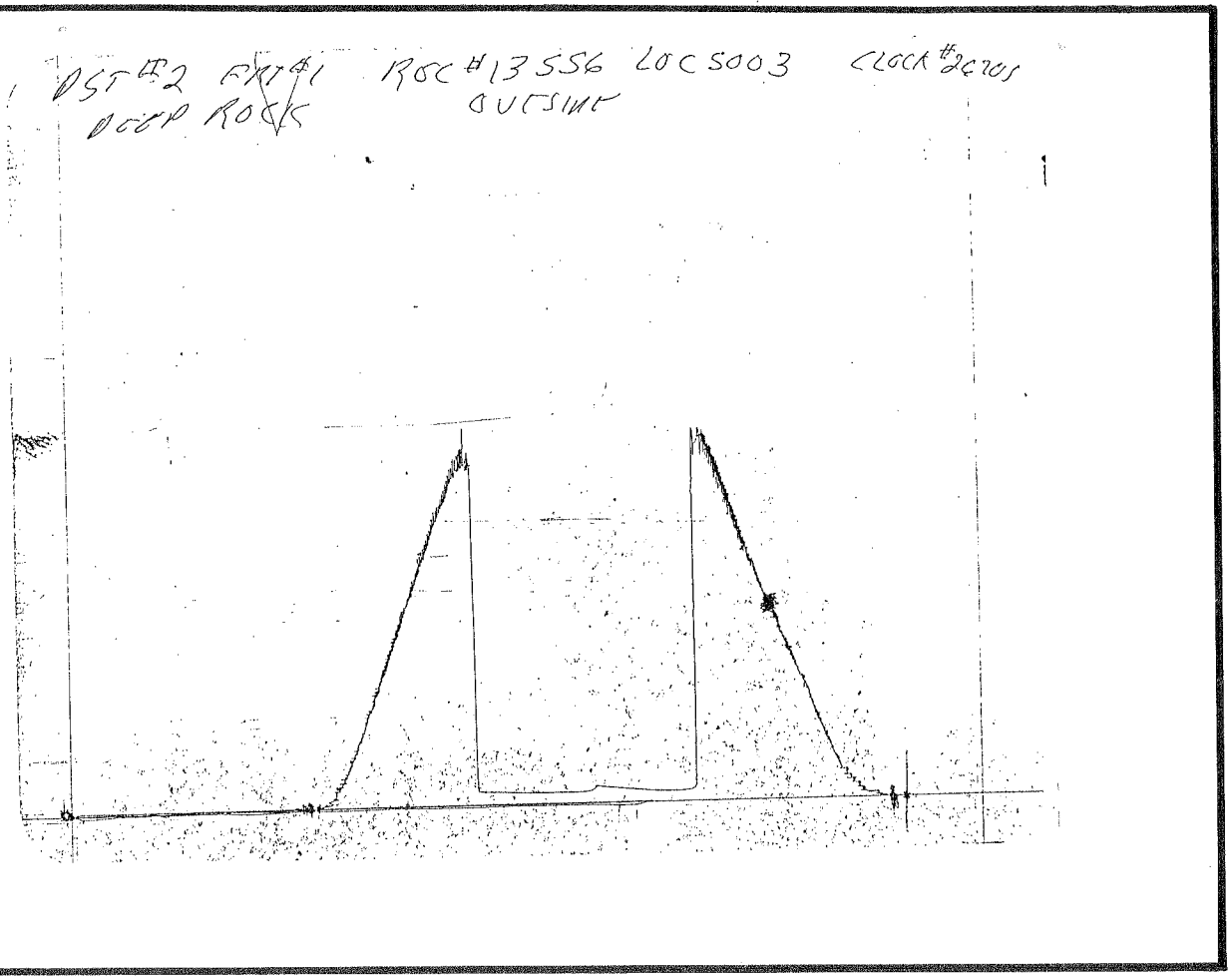
Witness By Curtis E. Covey

Remarks Pit filtrate triton dish chlorides were 4,000 Ppm.
Recovery filtrate triton dish chlorides were 4,500 Ppm.

Well LSD:	DST 2 LOWER MORROW 4932-5006
Well Name:	FRY 1
Company:	DEEP ROCK EXPLORATION
Battery on:	May 9, 2002 at 02:20:00
Notes:	RECOVERY 20' DRILLING MUD



Tag	Pressure	Temperature	Comment
1	2431.85 psig	110.52 °F	2002-05-09 05:13:30
2	20.95 psig	111.89 °F	2002-05-09 05:18:00
3	29.71 psig	115.89 °F	2002-05-09 05:47:00
4	84.54 psig	119.29 °F	2002-05-09 06:33:30
5	30.67 psig	119.35 °F	2002-05-09 06:34:30
6	34.40 psig	121.15 °F	2002-05-09 07:05:00
7	55.71 psig	123.52 °F	2002-05-09 08:01:00
8	2372.33 psig	123.63 °F	2002-05-09 08:03:00



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Elec. Office Reading	
(A)	Initial Hydrostatic Mud	2431	2432	PSI
(B)	First Initial Flow Pressure	21	21	PSI
(C)	First Final Flow Pressure	30	30	PSI
(D)	Initial Closed-in Pressure	85	85	PSI
(E)	Second Initial Flow Pressure	31	31	PSI
(F)	Second Final Flow Pressure	34	34	PSI
(G)	Final Closed-in Pressure	56	56	PSI
(H)	Final Hydrostatic Mud	2372	2372	PSI

DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

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Company Deep Rock Exploration, Inc. Lease & Well No. Fry No. 1

Elevation 3469 GL Formation Mississippi Effective Pay -- Ft. Ticket No. 1631

Date 5-10-02 Sec. 13 Twp. 14S Range 39W County Wallace State Kansas

Test Approved By Curtis E. Covey Diamond Representative Roger D. Friedly

Formation Test No. 3 Interval Tested from 4,988 ft. to 5,104 ft. Total Depth 5,104 ft.

Packer Depth 4,983 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,988 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,969 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 5,101 ft. Recorder Number 13387 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Murfin Drlg Co., Inc. - Rig 3 Drill Collar Length 296 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 68 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.3 Water Loss 8.8 cc. Drill Pipe Length 4,658 ft. I.D. 3 1/2 in.

Chlorides 5,000 P.P.M. Test Tool Length 34 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number 1 Anchor Length 54' perf. w/62' drill pipe 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, ½ in., blow increasing to 2 ins. No blow back during shut-in.
2nd Open: Weak, surface blow increasing to ½ in. No blow back during shut-in.

Recovered 148 ft. of drilling mud with a few oil specks in tool & a good, gassy odor = .728160 bbls.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks BOTTOM HOLE SAMPLER RECOVERY:
P.S.I.: 44 lbs.
Fluid : 3,800 cc drilling mud

Time Set Packer(s) 4:43 A.M. P.M. Time Started Off Bottom 8:28 A.M. P.M. Maximum Temperature 126°

Initial Hydrostatic Pressure			(A)	2440	P.S.I.	
Initial Flow Period	Minutes 30		(B)	19	P.S.I. to (C)	46 P.S.I.
Initial Closed In Period	Minutes 45		(D)	913	P.S.I.	
Final Flow Period	Minutes 45		(E)	49	P.S.I. to (F)	67 P.S.I.
Final Closed In Period	Minutes 90		(G)	687	P.S.I.	
Final Hydrostatic Pressure			(H)	2332	P.S.I.	

DIAMOND TESTING
P. O. Box 157
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FLUID SAMPLE DATA

Company Deep Rock Exploration, Inc.

Lease & Well No. Fry No. 1

Date 5-10-02 Sec. 13 Twp. 14 S Range 39 W

Formation Test No. 3 Interval Tested From 4,988 ft. to 5,104 ft. Total Depth 5,104 ft.

Formation Mississippi

	MUD PIT	RECOVERY
Viscosity	68 CP	37 CP
Weight	9.3	8.8
Water Loss	8.8 CC	15.2 CC
PH Factor	6.5	5.5

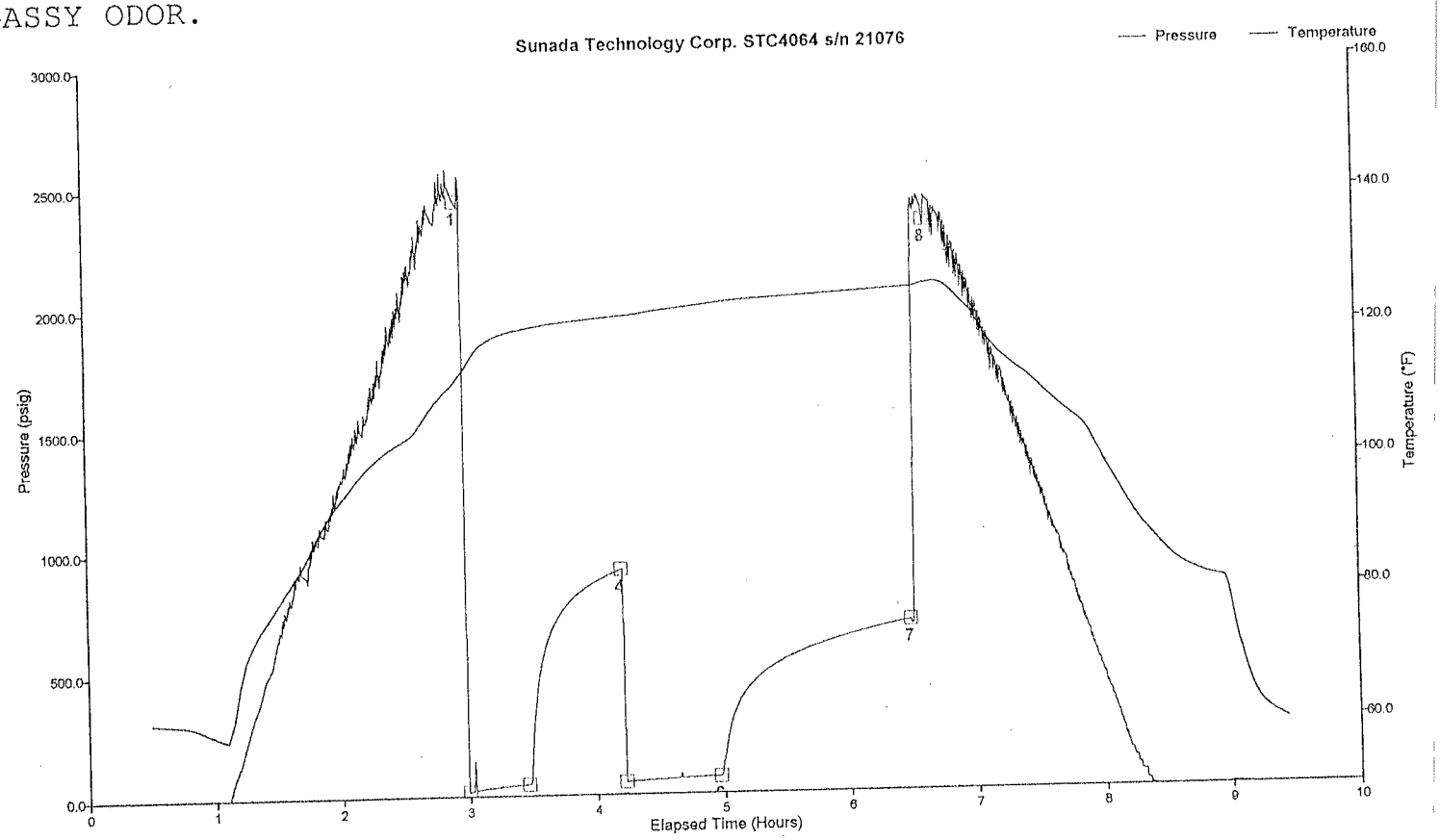
	RESISTIVITY			CHLORIDE CONTENT
Recovery Water	--	@	-- °F.	-- ppm
Recovery Mud	.80	@	58 °F.	9,600 ppm
Recovery Mud Filtrate	.86	@	60 °F.	8,600 ppm
Mud Pit Sample	1.00	@	54 °F.	8,500 ppm
Mud Pit Sample Filtrate	.96	@	57 °F.	8,400 ppm

Sample Taken By ROGER D. FRIEDLY

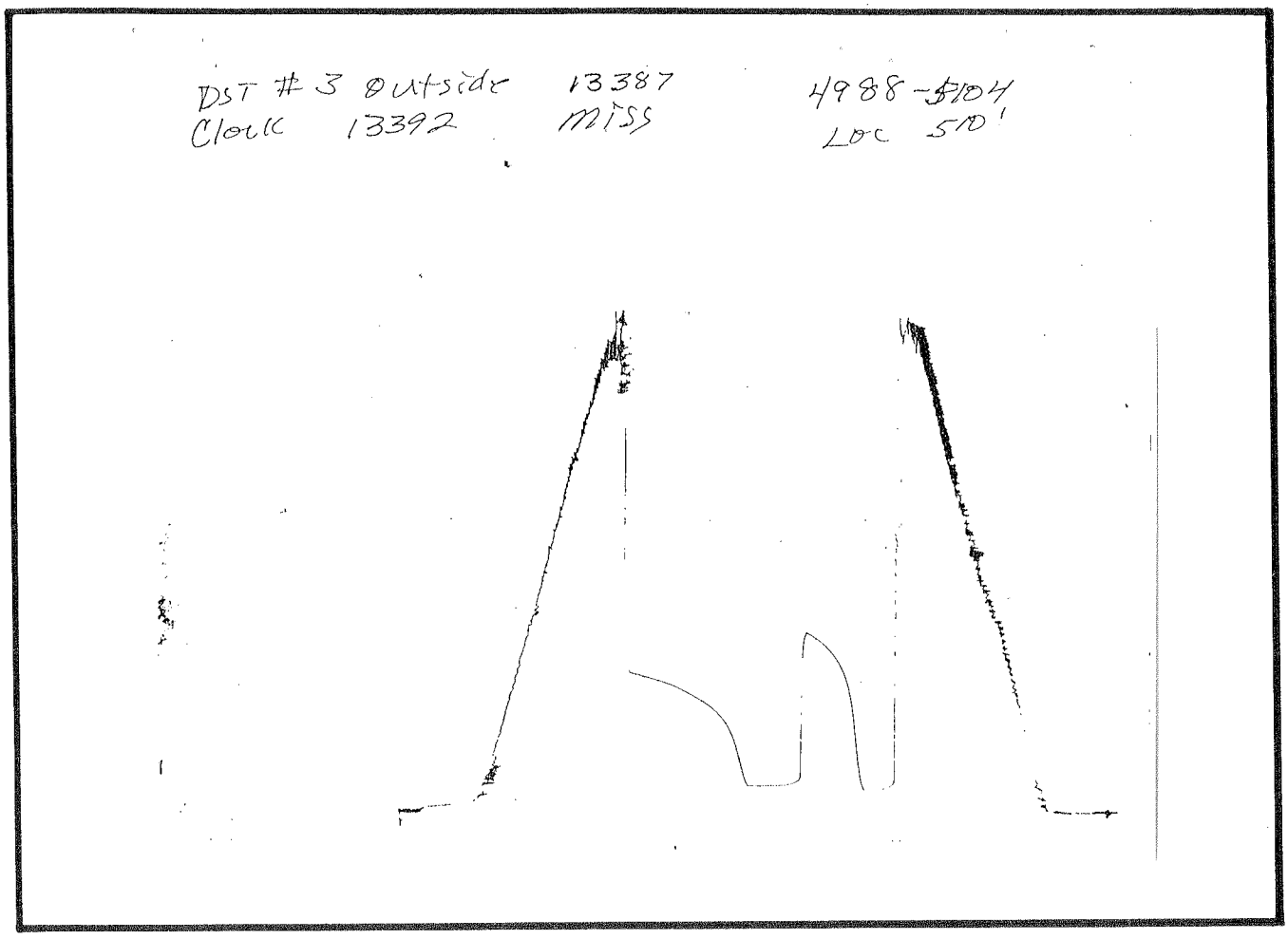
Witness By Curtis E. Covey

Remarks Pit filtrate triton dish chlorides were 5,000 Ppm.
Recovery filtrate triton dish chlorides were 5,500 Ppm.

Well LSD: DST #3 MISS 4988'-5104'
Well Name: FRY 1 DST 3
Company: DEEP ROCK EXPL
Battery on: May 10, 2002 at 01:44:00
Notes:RECOVERED 148' DM, WITH A FEW OIL SPECKS IN TOOL AND A GOOD GASSY ODOR.



Tag	Pressure	Temperature	Comment
1	2439.53 psig	112.96 °F	2002-05-10 04:40:30
2	18.50 psig	114.37 °F	2002-05-10 04:44:00
3	45.65 psig	120.19 °F	2002-05-10 05:12:00
4	913.29 psig	121.93 °F	2002-05-10 05:57:00
5	48.99 psig	121.96 °F	2002-05-10 05:58:00
6	67.12 psig	123.68 °F	2002-05-10 06:42:30
7	687.03 psig	125.55 °F	2002-05-10 08:13:00
8	2332.44 psig	126.07 °F	2002-05-10 08:21:30



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Elec. Office Reading	
(A)	Initial Hydrostatic Mud	2440	2440	PSI
(B)	First Initial Flow Pressure	19	19	PSI
(C)	First Final Flow Pressure	46	46	PSI
(D)	Initial Closed-in Pressure	913	913	PSI
(E)	Second Initial Flow Pressure	49	49	PSI
(F)	Second Final Flow Pressure	67	67	PSI
(G)	Final Closed-in Pressure	687	687	PSI
(H)	Final Hydrostatic Mud	2332	2332	PSI

COMPANY Deep Rock Exploration, Inc. LEASE AND WELL NO. Fry No. 1 SEC. 15 TWP. 14S RGE. 39W TEST NO. 3 DATE 5-10-0