15-171-20586

DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21099.D23

Company Ritchie Exploration, Inc. Lease & Well No. Sharp Seed 14C No. 1

Elevation 2916 KB Formation Lansing/Kansas City "C" Effective Pay -- Ft. Ticket No. 1867

Date 5-15-04 Sec. 14 Twp. 17S Range 31W County Scott State Kansas

Test Approved By Kim B. Shoemaker Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 3,963 ft. to 3,987 ft. Total Depth 3,987 ft.

Packer Depth 3,958 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,963 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,951 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,984 ft. Recorder Number 13387 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor L. D. Drilling, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 52 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 8.8 cc. Drill Pipe Length 3,938 ft. I.D. 3½ in.

Chlorides 2,000 P.P.M. Test Tool Length 25 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 24 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, ½ in., blow increasing to 6½ ins. No blow back during shut-in.
2nd Open: Weak surface blow increasing to 6 ins. No blow back during shut-in.

Recovered 42 ft. of clean oil = .430920 bbls. (Gravity: 22 @ 60°)

Recovered 84 ft. of slightly oil cut muddy water = .861840 bbls. (Grind out: 2%-gas; 4%-oil; 42%-mud; 52%-water)

Recovered 126 ft. of TOTAL FLUID = 1.292760 bbls.

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 3%-gas; 18%-oil; 25%-mud; 54%-water

RECEIVED
AUG 10 2004
KCC WICHITA

Time Set Packer(s) 7:53:30 ~~A.M.~~ P.M. Time Started Off Bottom 10:53:30 ~~A.M.~~ P.M. Maximum Temperature 119°

Initial Hydrostatic Pressure ..... (A) 1905 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 10 P.S.I. to (C) 35 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 918 P.S.I.

Final Flow Period ..... Minutes 45 (E) 37 P.S.I. to (F) 65 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 876 P.S.I.

Final Hydrostatic Pressure ..... (H) 1893 P.S.I.

DIAMOND TESTING
P. O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

FLUID SAMPLE DATA

Company Ritchie Exploration, Inc.

Lease & Well No. Sharp Seed 14C No. 1

Date 5-15-04 Sec. 14 Twp. 17 S Range 31 W

Formation Test No. 1 Interval Tested From 3,963 ft. to 3,987 ft. Total Depth 3,987 ft.

Formation Lansing/ Kansas City "C"

	MUD PIT	RECOVERY	
Viscosity	52 CP	-- CP	
Weight	9.2	--	
Water Loss	8.8 CC	-- CC	
PH Factor	9.0	--	Water 7.0

	RESISTIVITY			CHLORIDE CONTENT
Recovery Water	.26	@ 62	°F.	30,000 ppm
Recovery Mud	--	@ --	°F.	-- ppm
Recovery Mud Filtrate	--	@ --	°F.	-- ppm
Mud Pit Sample	2.10	@ 66	°F.	3,100 ppm
Mud Pit Sample Filtrate	2.00	@ 68	°F.	3,200 ppm

Sample Taken By ROGER D. FRIEDLY

Witness By Kim B. Shoemaker

Remarks Pit filtrate triton dish chlorides were 2,000 Ppm.
Recovery water dish chlorides were 25,500 Ppm.

GENERAL INFORMATION

Client Information:

Company: RITCHIE EXPLORATION, INC.

Contact: ROCKY MILFORD

Phone: Fax: e-mail:

Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

Well Information:

Name: #1 SHARP SEED 14C

Operator: RITCHIE EXPLORATION, INC.

Location-Downhole: DST #1 LKC 'C' 3,963'-3,987'

Location-Surface: SEC 14-17S-31W SCOTT COUNTY

Test Information:

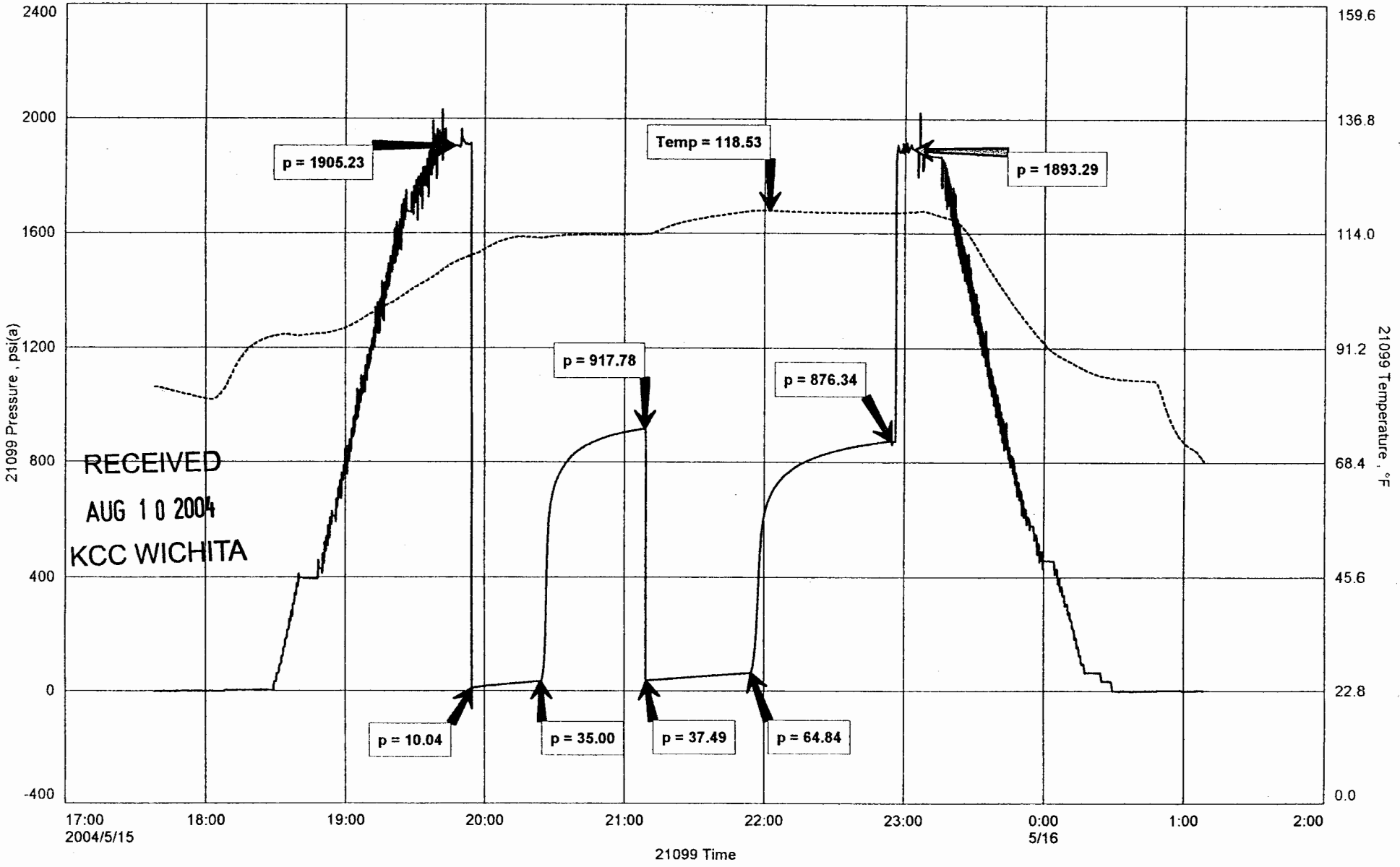
Company:	DIAMOND TESTING		
Representative:	ROGER D. FRIEDLY		
Supervisor:	KIM SHOEMAKER		
Test Type:	CONVENTIONAL	Job Number:	
Test Unit:	NO 1		
Start Date:	2004/05/15	Start Time:	17:37:00
End Date:	2004/05/16	End Time:	01:07:30
Report Date:		Prepared By:	
Remarks:		Qualified By:	

RECOVERED 42' CO (22 GRAVITY @ 60 deg), 84' SLT OCMW (2% GAS, 4% OIL 42% MUD, 52% WTR.)
TOOL SAMPLE 3% GAS, 18% OIL, 25% MUD, 54% WTR.

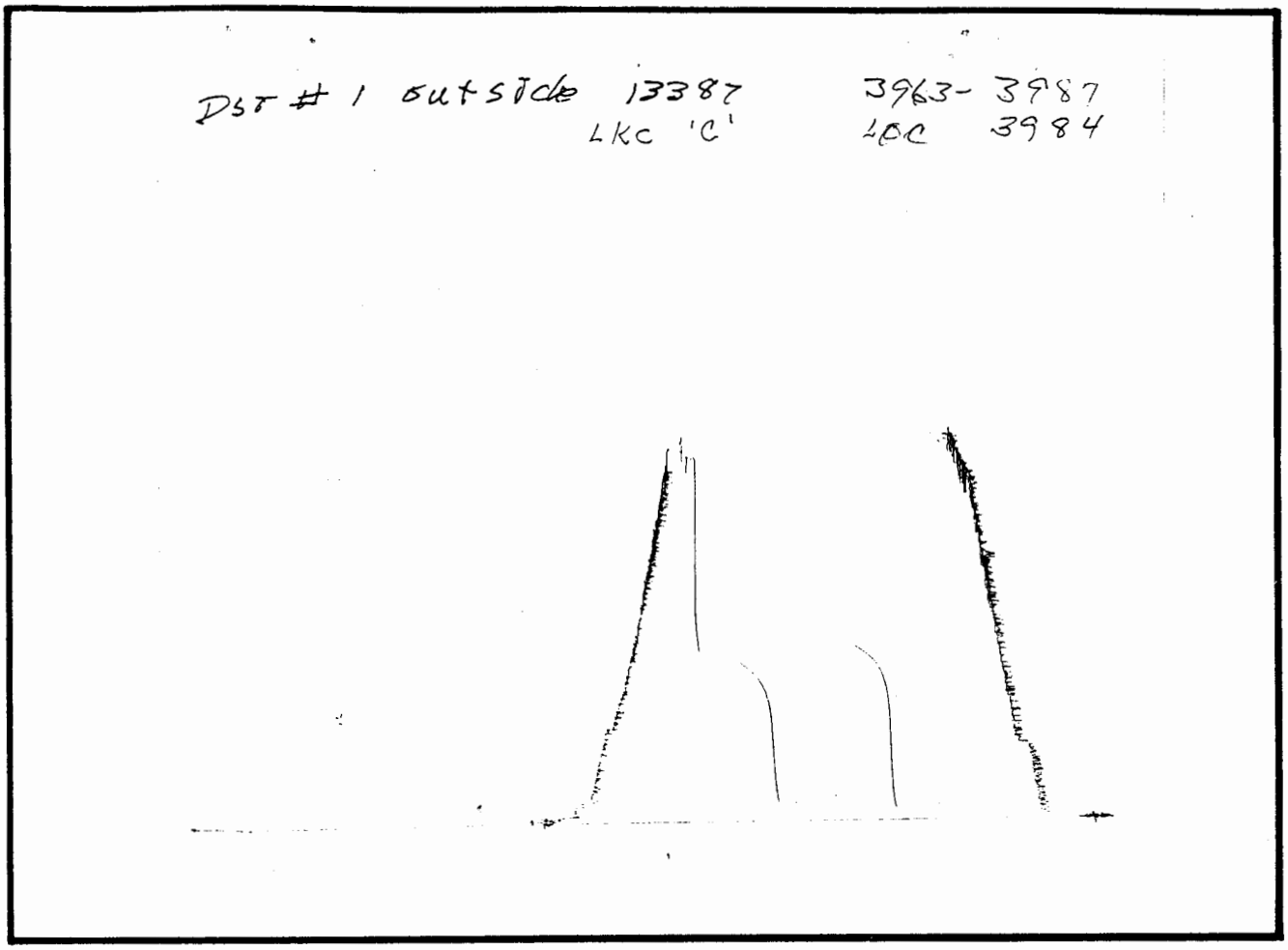
RITCHIE EXPLORATION, INC.
DST #1 LKC 'C' 3,963'-3,987'
Start Test Date: 2004/05/15
Final Test Date: 2004/05/16

#1 SHARP SEED 14C
Formation: DST #1 LKC 'C' 3,963'-3,987'
Pool: WILDCAT

#1 SHARP SEED 14C



DST # 1 outside 13387 3963-3987
LKC 'C' 4OC 3984



This is an actual photograph of recorder chart.

POINT		PRESSURE Elec. Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1905	1905	PSI
(B)	First Initial Flow Pressure	10	10	PSI
(C)	First Final Flow Pressure	35	35	PSI
(D)	Initial Closed-in Pressure	918	918	PSI
(E)	Second Initial Flow Pressure	37	37	PSI
(F)	Second Final Flow Pressure	65	65	PSI
(G)	Final Closed-in Pressure	876	876	PSI
(H)	Final Hydrostatic Mud	1893	1893	PSI

DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21099.D24

Company Ritchie Exploration, Inc. Lease & Well No. Sharp Seed 14C No. 1

Elevation 2916 KB Formation Lansing/Kansas City "E-F" Effective Pay -- Ft. Ticket No. 1868

Date 5-16-04 Sec. 14 Twp. 17S Range 31W County Scott State Kansas

Test Approved By Kim B. Shoemaker Diamond Representative Roger D. Friedly

Formation Test No. 2 Interval Tested from 4,019 ft. to 4,045 ft. Total Depth 4,045 ft.

Packer Depth 4,014 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,019 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,007 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,042 ft. Recorder Number 13387 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor L. D. Drilling, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 50 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.15 Water Loss 8.8 cc. Drill Pipe Length 3,994 ft. I.D. 3½ in.

Chlorides 1,800 P.P.M. Test Tool Length 25 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 26 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, 1/8 in., blow increasing to 7 ins. No blow back during shut-in.
2nd Open: Weak surface blow increasing to 10 ins. Weak surface blow back during shut-in.

Recovered 60 ft. of clean oil = .615600 bbls. (Gravity: 36 @ 60 °)

Recovered 84 ft. of slightly gassy & oil cut watery mud = .861840 bbls. (Grind out: 4%-gas; 8%-oil; 34%-water; 54%-mud)

Recovered 144 ft. of TOTAL FLUID = 1.477440 bbls.

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 4%-gas; 18%-oil; 34%-water; 44%-mud

Time Set Packer(s) 11:35 ~~A.M.~~ Time Started Off Bottom 2:35 ~~P.M.~~ Maximum Temperature 117°

Initial Hydrostatic Pressure			(A) 1936	P.S.I.		
Initial Flow Period	Minutes 30	(B) 9	P.S.I.	to (C) 38	P.S.I.	
Initial Closed In Period	Minutes 45	(D) 1024	P.S.I.			
Final Flow Period	Minutes 45	(E) 39	P.S.I.	to (F) 69	P.S.I.	
Final Closed In Period	Minutes 60	(G) 1014	P.S.I.			
Final Hydrostatic Pressure			(H) 1924	P.S.I.		

DIAMOND TESTING
P. O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

FLUID SAMPLE DATA

Company Ritchie Exploration, Inc.

Lease & Well No. Sharp Seed 14C No. 1

Date 5-16-04 Sec. 14 Twp. 17 S Range 31 W

Formation Test No. 2 Interval Tested From 4,019 ft. to 4,045 ft. Total Depth 4,045 ft.

Formation Lansing/Kansas City "E-F"

	MUD PIT	RECOVERY	
Viscosity	50 CP	-- CP	
Weight	9.15	--	
Water Loss	8.8 CC	-- CC	
PH Factor	9.0	--	Water 7.5

	RESISTIVITY		CHLORIDE CONTENT
Recovery Water	.42 @	80 °F.	14,000 ppm
Recovery Mud	-- @	-- °F.	-- ppm
Recovery Mud Filtrate	-- @	-- °F.	-- ppm
Mud Pit Sample	1.70 @	76 °F.	3,400 ppm
Mud Pit Sample Filtrate	1.80 @	79 °F.	3,000 ppm

Sample Taken By ROGER D. FRIEDLY

Witness By Kim B. Shoemaker

Remarks Pit filtrate triton dish chlorides were 1,800 Ppm.
Recovery water dish chlorides were 11,000 Ppm.

GENERAL INFORMATION

Client Information:

Company: RITCHIE EXPLORATION, INC.

Contact: ROCKY MILFORD

Phone: Fax: e-mail:

Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

Well Information:

Name: #1 SHARP SEED 14C

Operator: RITCHIE EXPLORATION, INC.

Location-Downhole: DST #2 LKC 'E-F' 4,019'-4,045'

Location-Surface: SEC 14-17S-31W SCOTT COUNTY

Test Information:

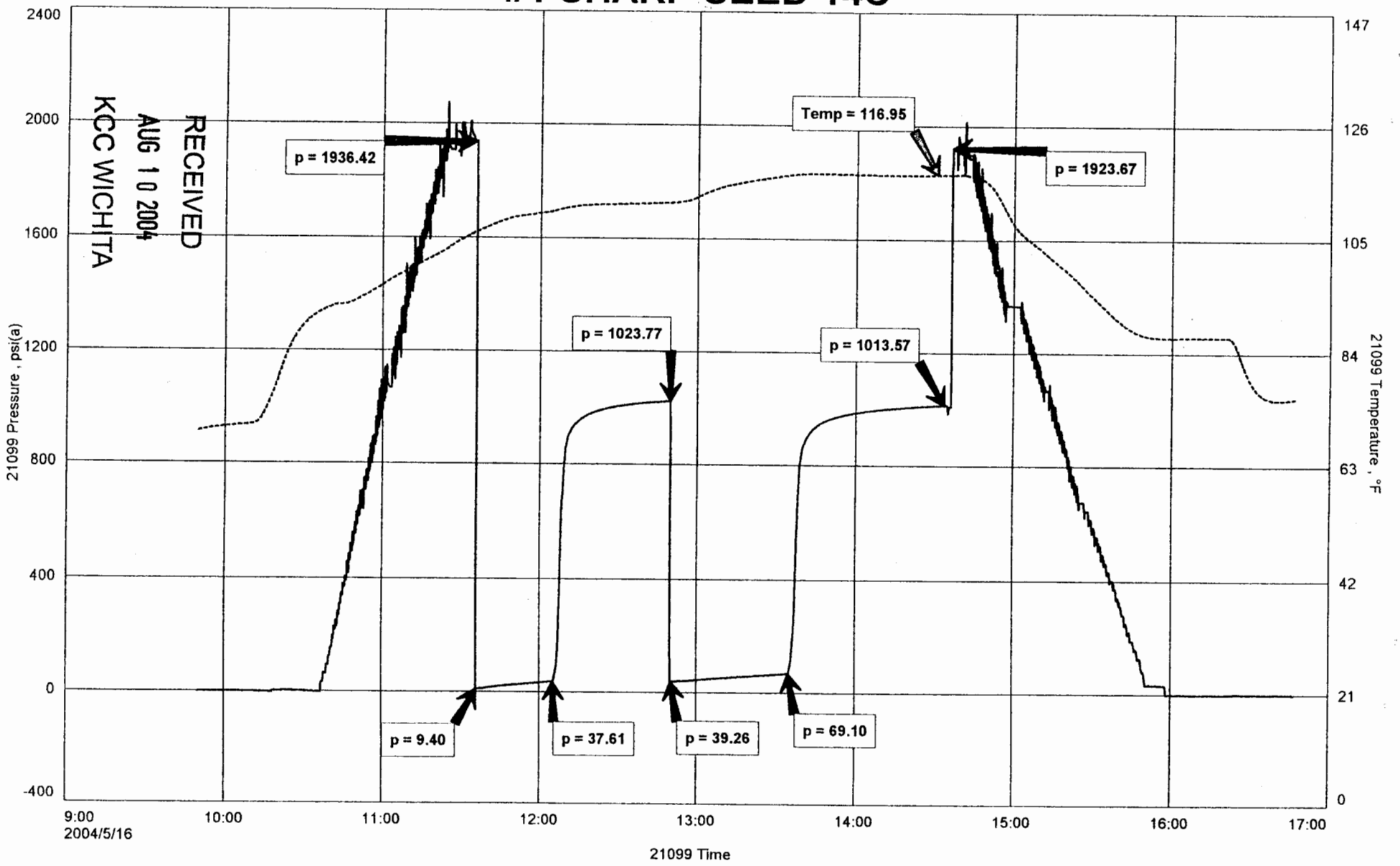
Company:	DIAMOND TESTING		
Representative:	ROGER D. FRIEDLY		
Supervisor:	KIM SHOEMAKER		
Test Type:	CONVENTIONAL	Job Number:	
Test Unit:	NO 1		
Start Date:	2004/05/16	Start Time:	09:49:00
End Date:	2004/05/16	End Time:	16:45:30
Report Date:		Prepared By:	
Remarks:		Qualified By:	

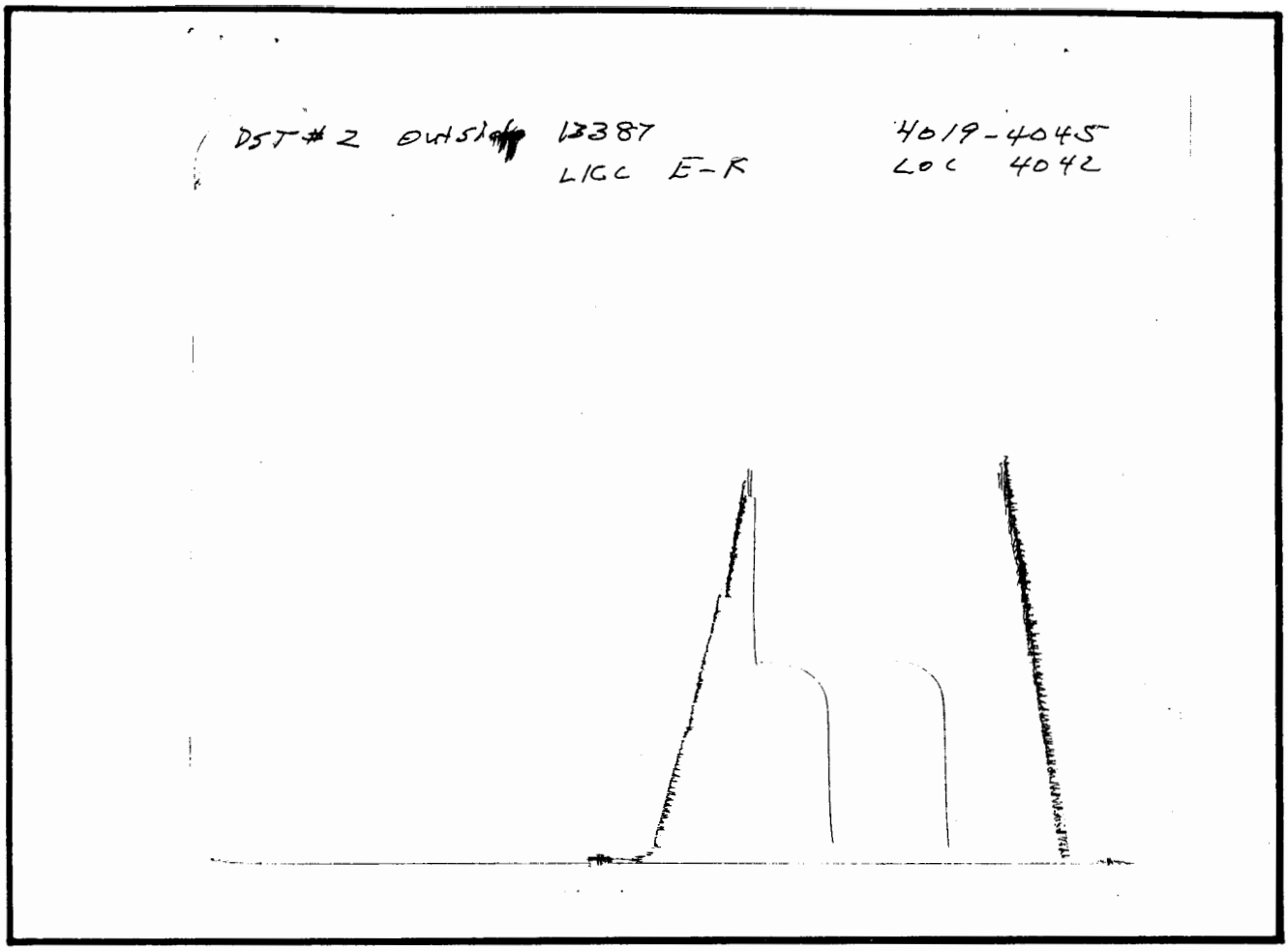
RECOVERED: 60' CO 36% GRAVITY @ 60 deg
84' SLT G&OCWM (4% GAS, 8% OIL, 34% WTR, 54% MUD
TOOL SAMPLE 4% GAS, 18% OIL, 34% WTR, 44% MUD

RITCHIE EXPLORATION, INC.
DST #2 LKC 'E-F' 4,019'-4,045'
Start Test Date: 2004/05/16
Final Test Date: 2004/05/16

#1 SHARP SEED 14C
Formation: DST #2 LKC 'E-F' 4,019'-4,045'
Pool: WILDCAT

#1 SHARP SEED 14C





This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Elec. Office Reading	
(A)	Initial Hydrostatic Mud	1936	1936	PSI
(B)	First Initial Flow Pressure	9	9	PSI
(C)	First Final Flow Pressure	38	38	PSI
(D)	Initial Closed-in Pressure	1024	1024	PSI
(E)	Second Initial Flow Pressure	39	39	PSI
(F)	Second Final Flow Pressure	69	69	PSI
(G)	Final Closed-in Pressure	1014	1014	PSI
(H)	Final Hydrostatic Mud	1924	1924	PSI

DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21099.D25

Company Ritchie Exploration, Inc. Lease & Well No. Sharp Seed 14C No. 1

Elevation 2916 KB Formation Lansing/Kansas City "H-I" Effective Pay -- Ft. Ticket No. 1869

Date 5-17-04 Sec. 14 Twp. 17S Range 31W County Scott State Kansas

Test Approved By Kim B. Shoemaker Diamond Representative Roger D. Friedly

Formation Test No. 3 Interval Tested from 4,120 ft. to 4,190 ft. Total Depth 4,190 ft.

Packer Depth 4,115 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,120 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,108 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,187 ft. Recorder Number 13387 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor L. D. Drilling, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 44 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.3 Water Loss 8.0 cc. Drill Pipe Length 4,095 ft. I.D. 3½ in.

Chlorides 1,500 P.P.M. Test Tool Length 25 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 39' perf. w/31' 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, ¼ in., blow increasing. Off bottom of bucket in 22 mins. No blow back during shut-in.
2nd Open: Weak surface blow increasing. Off bottom of bucket in 26 mins. No blow back during shut-in.

Recovered 162 ft. of muddy water with a scum of oil = 1.662120 bbls. (Grind out: 40%-mud; 60%-water)

Recovered 248 ft. of salt water = 2.544480 bbls.

Recovered 410 ft. of TOTAL FLUID = 4.206600 bbls.

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 100%-water (Chlorides: 25,500 Ppm)

RECEIVED
AUG 10 2004
KCC WICHITA

Time Set Packer(s) 8:56 A.M. P.M. Time Started Off Bottom 11:56 A.M. P.M. Maximum Temperature 126°

Initial Hydrostatic Pressure ..... (A) 1979 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 9 P.S.I. to (C) 90 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 913 P.S.I.

Final Flow Period ..... Minutes 45 (E) 92 P.S.I. to (F) 197 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 908 P.S.I.

Final Hydrostatic Pressure ..... (H) 1963 P.S.I.

DIAMOND TESTING
P. O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

FLUID SAMPLE DATA

Company Ritchie Exploration, Inc.

Lease & Well No. Sharp Seed 14C No. 1

Date 5-17-04 Sec. 14 Twp. 17 S Range 31 W

Formation Test No. 3 Interval Tested From 4,120 ft. to 4,190 ft. Total Depth 4,190 ft.

Formation Lansing/Kansas City "H - I"

	MUD PIT	RECOVERY	
Viscosity	44 CP	36 CP	
Weight	9.3	8.9	
Water Loss	8.0 CC	40.0+CC	
PH Factor	9.5	8.0	Water 7.5

	RESISTIVITY			CHLORIDE CONTENT
Recovery Water	.20	@ 80	°F.	30,000 ppm
Recovery Mud	.30	@ 82	°F.	19,000 ppm
Recovery Mud Filtrate	.32	@ 80	°F.	18,000 ppm
Mud Pit Sample	1.90	@ 74	°F.	3,000 ppm
Mud Pit Sample Filtrate	1.80	@ 78	°F.	3,000 ppm

Sample Taken By ROGER D. FRIEDLY

Witness By Kim B. Shoemaker

Remarks Pit filtrate triton dish chlorides were 1,500 Ppm.
Recovery filtrate triton dish chlorides were 13,000 Ppm.
Recovery water dish chlorides were 25,500 Ppm.

GENERAL INFORMATION

Client Information:

Company: RITCHIE EXPLORATION, INC

Contact: ROCKY MILFORD

Phone: Fax: e-mail:

Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

Well Information:

Name: #1 SHARP SEED 14C

Operator: RITCHIE EXPLORATION, INC.

Location-Downhole: DST #3 LKC "H-I' 4,120'-4,190'

Location-Surface: SEC 14-17S-31W SCOTT COUNTY

Test Information:

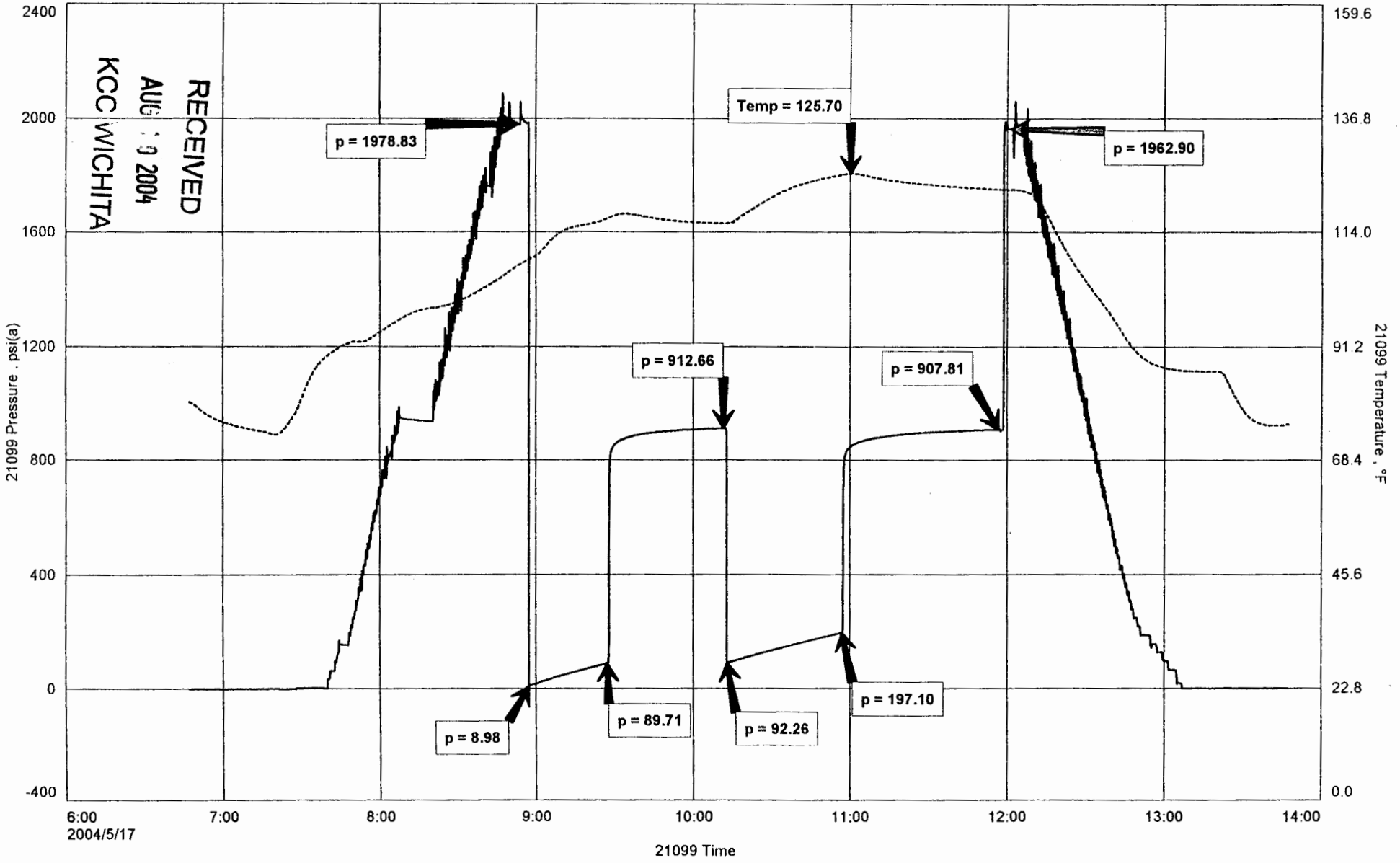
Company:	DIAMOND TESTING		
Representative:	ROGER D. FRIEDLY		
Supervisor:	KIM SHOEMAKER		
Test Type:	CONVENTIONAL	Job Number:	
Test Unit:	NO 1		
Start Date:	2004/05/17	Start Time:	06:46:00
End Date:	2004/05/17	End Time:	13:46:20
Report Date:		Prepared By:	
Remarks:		Qualified By:	

RECOVERED: 162' MW (40% MUD 60% WTR)
248' SW
TOOL SAMPLE 100% WTR 25,500 ppm CHLORIDES

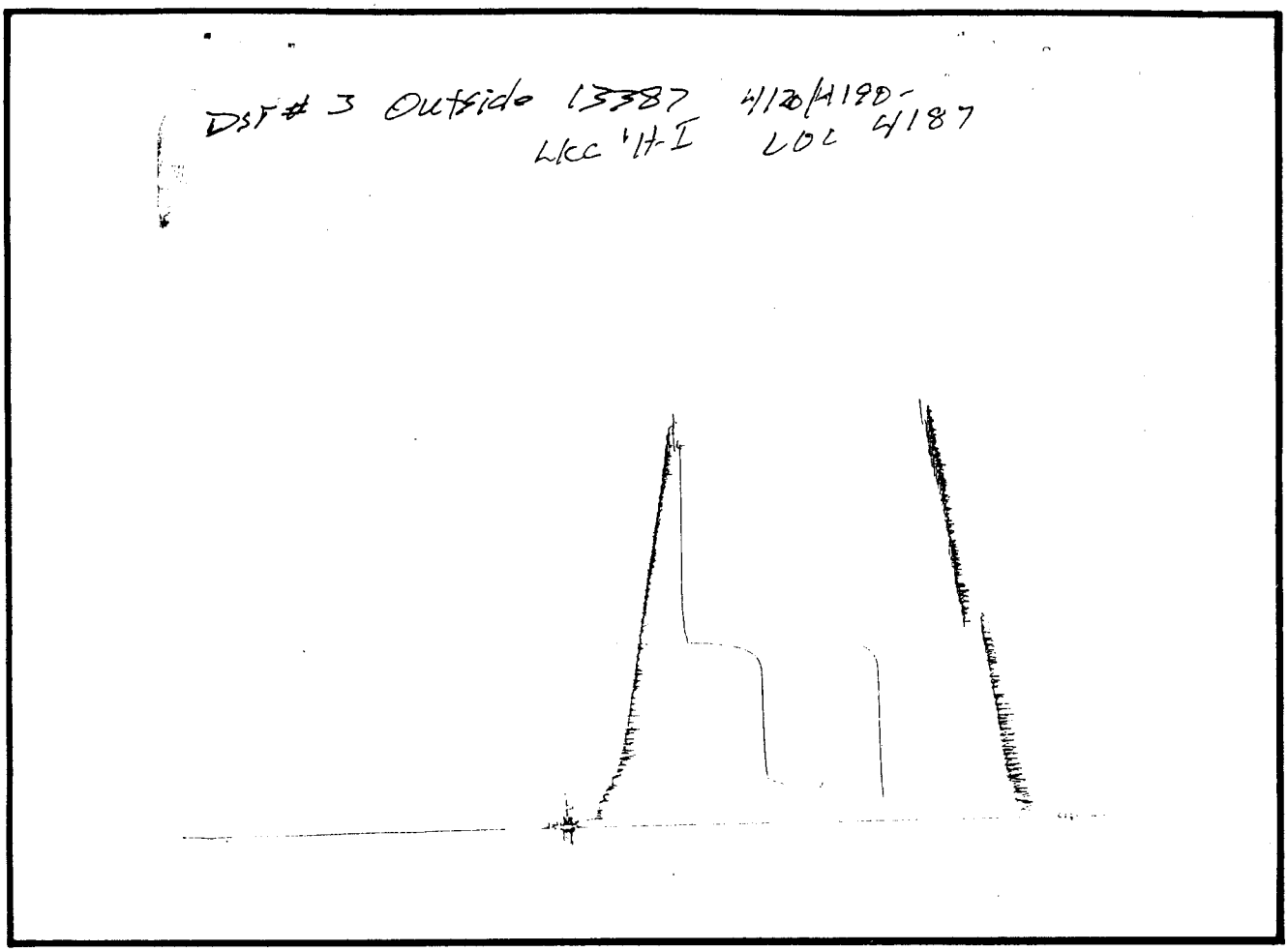
RITCHIE EXPLORATION, INC
DST #3 LKC "H-I' 4,120'-4,190'
Start Test Date: 2004/05/17
Final Test Date: 2004/05/17

#1 SHARP SEED 14C
Formation: DST #3 LKC 'H-I' 4,120'-4,190'
Pool: WILDCAT

#1 SHARP SEED 14C



DST # 3 Outside 13387 4/20/1990-
Lkc 'H-I LOC 4/87



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Elec. Office Reading	
(A)	Initial Hydrostatic Mud	1979	1979	PSI
(B)	First Initial Flow Pressure	9	9	PSI
(C)	First Final Flow Pressure	90	90	PSI
(D)	Initial Closed-in Pressure	913	913	PSI
(E)	Second Initial Flow Pressure	92	92	PSI
(F)	Second Final Flow Pressure	197	197	PSI
(G)	Final Closed-in Pressure	908	908	PSI
(H)	Final Hydrostatic Mud	1963	1963	PSI

DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21099.D26

Company Ritchie Exploration, Inc. Lease & Well No. Sharp Seed 14C No. 1

Elevation 2916 KB Formation Middle Creek/Lansing/Kansas City "L" Effective Pay -- Ft. Ticket No. 1870

Date 5-18-04 Sec. 14 Twp. 17S Range 31W County Scott State Kansas

Test Approved By Kim B. Shoemaker Diamond Representative Roger D. Friedly

Formation Test No. 4 Interval Tested from 4,250 ft. to 4,284 ft. Total Depth 4,284 ft.

Packer Depth 4,245 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,250 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,238 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,281 ft. Recorder Number 13387 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor L. D. Drilling, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 44 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.25 Water Loss 8.8 cc. Drill Pipe Length 4,225 ft. I.D. 3½ in.

Chlorides 2,000 P.P.M. Test Tool Length 25 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 34 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, ½ in., blow increasing to 8 ins. No blow back during shut-in.
2nd Open: Weak surface blow increasing to 8 ins.

Recovered 20 ft. of muddy water with a trace of oil = .205200 bbls. (Grind out: 30%-mud; 70%-water)

Recovered 190 ft. of salt water = 1.949400 bbls.

Recovered 210 ft. of TOTAL FLUID = 2.154600 bbls.

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 100%-water

RECEIVED
AUG 10 2004
KCC WICHITA

Time Set Packer(s) 4:28:30 ~~P.M.~~ A.M. Time Started Off Bottom 7:28:30 ~~P.M.~~ A.M. Maximum Temperature 129°

Initial Hydrostatic Pressure ..... (A) 2035 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 9 P.S.I. to (C) 51 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 925 P.S.I.

Final Flow Period ..... Minutes 45 (E) 52 P.S.I. to (F) 106 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 917 P.S.I.

Final Hydrostatic Pressure ..... (H) 2012 P.S.I.

DIAMOND TESTING
P. O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

FLUID SAMPLE DATA

Company Ritchie Exploration, Inc.

Lease & Well No. Sharp Seed 14C No. 1

Date 5-18-04 Sec. 14 Twp. 17 S Range 31 W

Formation Test No. 4 Interval Tested From 4,250 ft. to 4,284 ft. Total Depth 4,284 ft.

Formation Middle Creek/Lansing/Kansas City "L"

	MUD PIT	RECOVERY	
Viscosity	44 CP	-- CP	
Weight	9.25	--	
Water Loss	8.8 CC	-- CC	
PH Factor	9.5	--	Water 7.0

	RESISTIVITY		CHLORIDE CONTENT
Recovery Water	.20 @	82 °F.	29,000 ppm
Recovery Mud	-- @	-- °F.	-- ppm
Recovery Mud Filtrate	-- @	-- °F.	-- ppm
Mud Pit Sample	1.90 @	58 °F.	3,900 ppm
Mud Pit Sample Filtrate	1.80 @	60 °F.	3,600 ppm

Sample Taken By ROGER D. FRIEDLY

Witness By Kim B. Shoemaker

Remarks Pit filtrate triton dish chlorides were 2,000 Ppm.
Recovery water dish chlorides were 24,000 Ppm.

GENERAL INFORMATION

Client Information:

Company: RITCHIE EXPLORATION, INC.

Contact: ROCKY MILFORD

Phone: Fax: e-mail:

Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

Well Information:

Name: #1 SHARP SEED 14C

Operator: RITCHIE EXPLORATION, INC.

Location-Downhole: DST #4 MID. CRK / LKC 'L' 4,250'-4,284'

Location-Surface: SEC 14-17S-31W SCOTT COUNTY

Test Information:

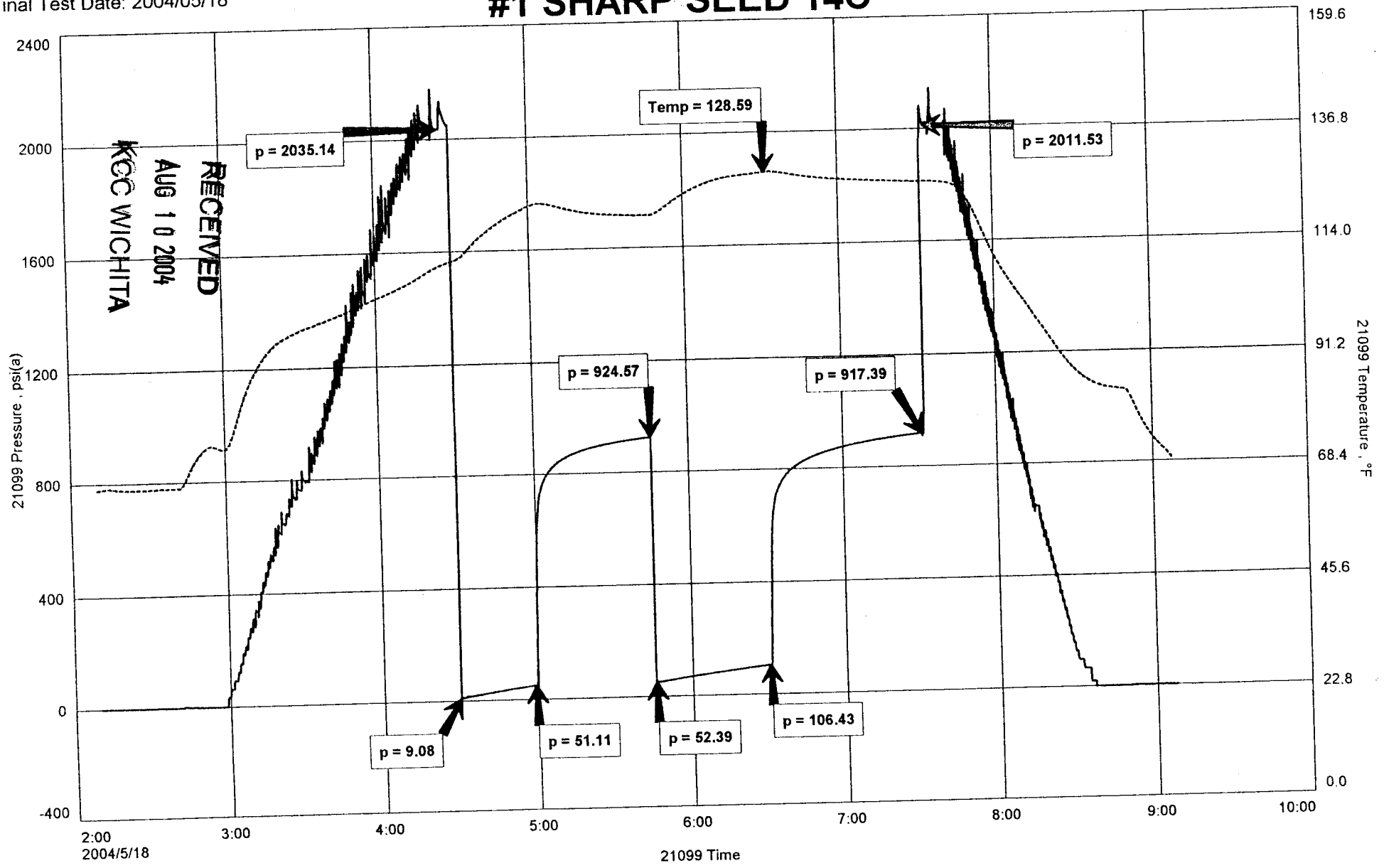
Company:	DIAMOND TESTING		
Representative:	ROGER D. FRIEDLY		
Supervisor:	KIM SHOEMAKER		
Test Type:	CONVENTIONAL	Job Number:	
Test Unit:	NO 1		
Start Date:	2004/05/18	Start Time:	02:09:00
End Date:	2004/05/18	End Time:	09:06:40
Report Date:		Prepared By:	
Remarks:		Qualified By:	

RECOVERED : 20' MW (30% MUD, 70% WTR.) TRACE OF OIL.
190' SW
TOOL SAMPLE 100% SW

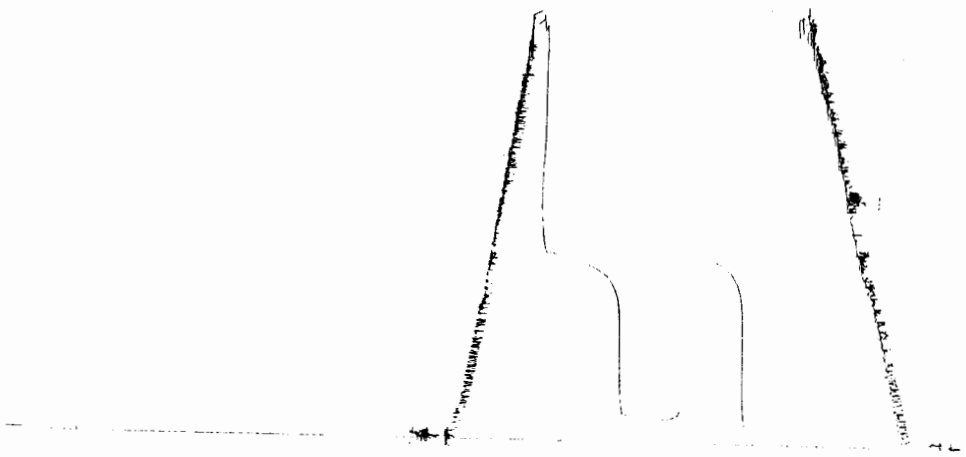
RITCHIE EXPLORATION, INC.
DST #4 MID. CRK / LKC 'L' 4,250'-4,284'
Start Test Date: 2004/05/18
Final Test Date: 2004/05/18

#1 SHARP SEED 14C
Formation: DST #4 MID. CRK / LKC 'L' 4,250'-4,284'
Pool: WILDCAT

#1 SHARP SEED 14C



DST #4 Outside 13387
Mid Creek
LKC "L"
4250 - 4284
LOC 4281



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Elec. Office Reading	
(A)	Initial Hydrostatic Mud	2035	2035	PSI
(B)	First Initial Flow Pressure	9	9	PSI
(C)	First Final Flow Pressure	51	51	PSI
(D)	Initial Closed-in Pressure	925	925	PSI
(E)	Second Initial Flow Pressure	52	52	PSI
(F)	Second Final Flow Pressure	106	106	PSI
(G)	Final Closed-in Pressure	917	917	PSI
(H)	Final Hydrostatic Mud	2012	2012	PSI

DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21099.D27

Company Ritchie Exploration, Inc. Lease & Well No. Sharp Seed 14C No. 1

Elevation 2916 KB Formation Pleasonton Effective Pay -- Ft. Ticket No. 1871

Date 5-18-04 Sec. 14 Twp. 17S Range 31W County Scott State Kansas

Test Approved By Kim B. Shoemaker Diamond Representative Roger D. Friedly

Formation Test No. 5 Interval Tested from 4,290 ft. to 4,310 ft. Total Depth 4,310 ft.

Packer Depth 4,285 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,290 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,278 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,307 ft. Recorder Number 13387 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor L. D. Drilling, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 47 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.0 Water Loss 8.8 cc. Drill Pipe Length 4,265 ft. I.D. 3½ in.

Chlorides 1,800 P.P.M. Test Tool Length 25 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 20 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 surface blow increasing to ½ in. No blow back during shut-in.
2nd Open: Weak surface blow throughout. No blow back during shut-in.

Recovered 1 ft. of clean oil = .010260 bbls. (Gravity: 38 @ 60°)

Recovered 9 ft. of oil cut mud = .092340 bbls. (Grind out: 15%-oil; 85%-mud)

Recovered 10 ft. of TOTAL FLUID = .102600 bbls.

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 25%-oil; 75%-mud

RECEIVED
AUG 10 2004
KCC WICHITA

Time Set Packer(s) 5:05 ~~XXXX~~ P.M. Time Started Off Bottom 7:05 ~~XXX~~ P.M. Maximum Temperature 114°

Initial Hydrostatic Pressure			(A)	2059	P.S.I.	
Initial Flow Period	Minutes 30		(B)	7	P.S.I.	to (C) 14 P.S.I.
Initial Closed In Period	Minutes 30		(D)	565	P.S.I.	
Final Flow Period	Minutes 30		(E)	12	P.S.I.	to (F) 14 P.S.I.
Final Closed In Period	Minutes 30		(G)	71	P.S.I.	
Final Hydrostatic Pressure			(H)	2054	P.S.I.	

DIAMOND TESTING
P. O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

FLUID SAMPLE DATA

Company Ritchie Exploration, Inc.

Lease & Well No. Sharp Seed 14C No. 1

Date 5-18-04 Sec. 14 Twp. 17 S Range 31 W

Formation Test No. 5 Interval Tested From 4,290 ft. to 4,310 ft. Total Depth 4,310 ft.

Formation Pleasonton

	MUD PIT	RECOVERY
Viscosity	47 CP	-- CP
Weight	9.0	--
Water Loss	8.8 CC	-- CC
PH Factor	10.0	--

	RESISTIVITY		CHLORIDE CONTENT
Recovery Water	-- @	--°F.	-- ppm
Recovery Mud	-- @	--°F.	-- ppm
Recovery Mud Filtrate	-- @	--°F.	-- ppm
Mud Pit Sample	1.65 @	63 °F.	4,200 ppm
Mud Pit Sample Filtrate	1.70 @	64 °F.	3,800 ppm

Sample Taken By ROGER D. FRIEDLY

Witness By Kim B. Shoemaker

Remarks Pit filtrate triton dish chlorides were 1,800 Ppm.

GENERAL INFORMATION

Client Information:

Company: RITCHIE EXPLORATION, INC

Contact: ROCKY MILFORD

Phone: Fax: e-mail:

Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

Well Information:

Name: #1 SHARP SEED 14 C

Operator: RITCHIE EXPLORATION, INC.

Location-Downhole: DST #5 PLEASONTON 4,290'-4,310'

Location-Surface: SEC 14-17S-31W SCOTT COUNTY

Test Information:

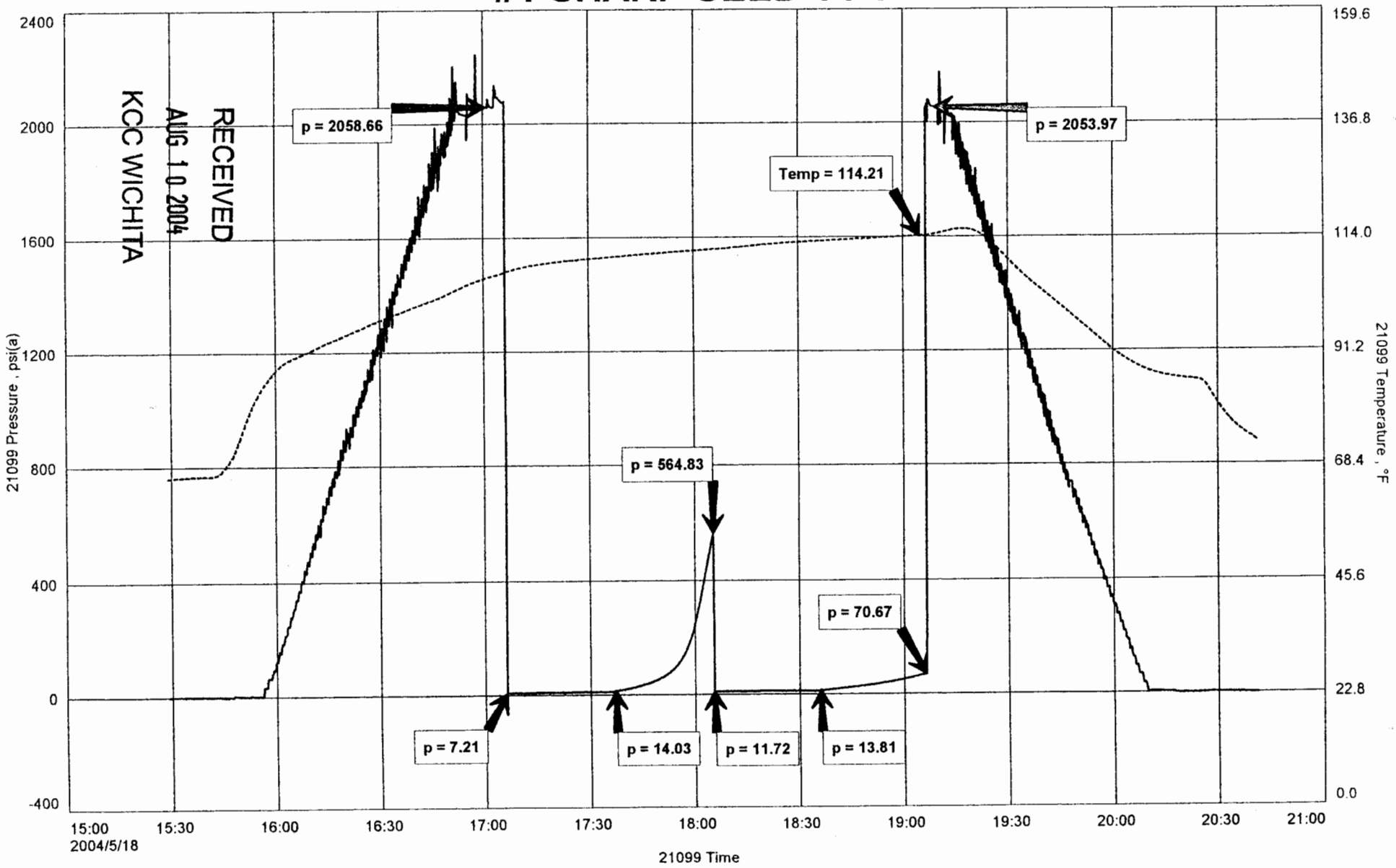
Company:	DIAMOND TESTING		
Representative:	ROGER D. FRIEDLY		
Supervisor:	KIM SHOEMAKER		
Test Type:	CONVENTIONAL	Job Number:	
Test Unit:	NO 1		
Start Date:	2004/05/18	Start Time:	15:28:00
End Date:	2004/05/18	End Time:	20:39:50
Report Date:		Prepared By:	
Remarks:		Qualified By:	

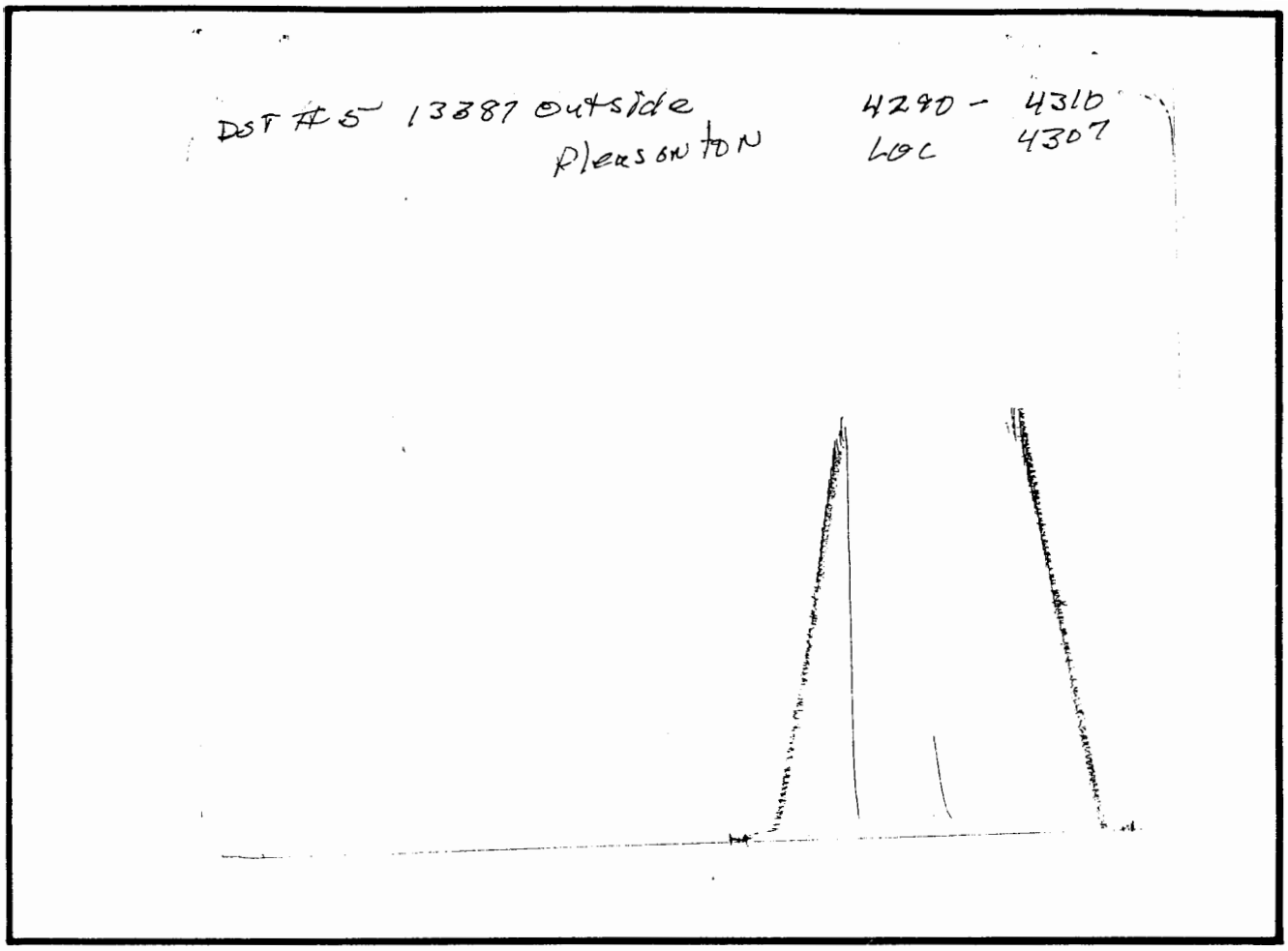
RECOVERED: 1' CO 38 GRAVITY @ 60 deg.
9' OCM (15% OIL, 85% MUD
TOOL SAMPLE 25% OIL 75% MUD.

RITCHIE EXPLORATION, INC
DST #5 PLEASONTON 4,290'-4,310'
Start Test Date: 2004/05/18
Final Test Date: 2004/05/18

#1 SHARP SEED 14 C
Formation: DST #5 PLEASONTON 4,290'-4,310'
Pool: WILDCAT

#1 SHARP SEED 14 C





This is an actual photograph of recorder chart.

POINT		PRESSURE Elec. Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2059	2059	PSI
(B)	First Initial Flow Pressure	7	7	PSI
(C)	First Final Flow Pressure	14	14	PSI
(D)	Initial Closed-in Pressure	565	565	PSI
(E)	Second Initial Flow Pressure	12	12	PSI
(F)	Second Final Flow Pressure	14	14	PSI
(G)	Final Closed-in Pressure	71	71	PSI
(H)	Final Hydrostatic Mud	2054	2054	PSI

DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21099.D28

Company Ritchie Exploration, Inc. Lease & Well No. Sharp Seed 14C No. 1

Elevation 2916 KB Formation Altamont Effective Pay 3 Ft. Ticket No. 1872

Date 5-19-04 Sec. 14 Twp. 17S Range 31W County Scott State Kansas

Test Approved By Kim B. Shoemaker Diamond Representative Roger D. Friedly

Formation Test No. 6 Interval Tested from 4,312 ft. to 4,377 ft. Total Depth 4,377 ft.

Packer Depth 4,307 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,312 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,300 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,374 ft. Recorder Number 13387 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor L. D. Drilling, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in

Mud Type Chemical Viscosity 49 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.3 Water Loss 8.8 cc. Drill Pipe Length 4,287 ft. I.D. 3½ in.

Chlorides 3,600 P.P.M. Test Tool Length 25 ft. Tool Size 3 1/2 - IF in.

Jars Make Bowen Serial Number Not Run Anchor Length 34' perf. w/31' 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: Strong blow. Off bottom of bucket immediately. Gas to surface in 30 mins. Strong blow back off bottom of bucket during shut-in. (SEE GAS VOLUME REPORT)

2nd Open: Strong blow. Off bottom of bucket in 1 min. Good, 8 in., blow back during shut-in. (SEE GAS VOLUME REPORT)

Recovered 2,929 ft. of clean gassy oil = 30.051540 bbls. (Grind out: 4%-gas; 96%-oil) Gravity: 36 @ 60°

Recovered 62 ft. of heavy gas cut muddy oil = .636120 bbls. (Grind out: 10%-gas; 20%-mud; 70%-oil)

Recovered 62 ft. of heavy gas cut muddy oil = .636120 bbls. (Grind out: 18%-gas; 37%-mud; 45%-oil)

Recovered 3,053 ft. of TOTAL FLUID = 31.323780 bbls.

Recovered ft. of

Remarks Tool Sample Grind Out: 2%-gas; 7%-water; 30%-mud; 61%-oil

Time Set Packer(s) 8:39 A.M. Time Started Off Bottom 11:24 A.M. Maximum Temperature 133°

Initial Hydrostatic Pressure			(A)	2094	P.S.I.	
Initial Flow Period	Minutes	30	(B)	512	P.S.I. to (C)	1039 P.S.I.
Initial Closed In Period	Minutes	45	(D)	1099	P.S.I.	
Final Flow Period	Minutes	30	(E)	1049	P.S.I. to (F)	1102 P.S.I.
Final Closed In Period	Minutes	60	(G)	1109	P.S.I.	
Final Hydrostatic Pressure			(H)	2056	P.S.I.	

DIAMOND TESTING
P. O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

FLUID SAMPLE DATA

Company Ritchie Exploration, Inc.

Lease & Well No. Sharp Seed 14C No. 1

Date 5-19-04 Sec. 14 Twp. 17 S Range 31 W

Formation Test No. 6 Interval Tested From 4,312 ft. to 4,377 ft. Total Depth 4,377 ft.

Formation Altamont

	MUD PIT	RECOVERY
Viscosity	49 CP	-- CP
Weight	9.3	--
Water Loss	8.8 CC	-- CC
PH Factor	9.5	--

	RESISTIVITY		CHLORIDE CONTENT
Recovery Water	-- @	-- °F.	-- ppm
Recovery Mud	-- @	-- °F.	-- ppm
Recovery Mud Filtrate	-- @	-- °F.	-- ppm
Mud Pit Sample	1.10 @	77 °F.	4,600 ppm
Mud Pit Sample Filtrate	1.30 @	80 °F.	4,000 ppm

Sample Taken By ROGER D. FRIEDLY

Witness By Kim B. Shoemaker

Remarks Pit filtrate triton dish chlorides were 3,600 Ppm.

DIAMOND TESTING
P. O. Box 157
HOISINGTON, KANSAS 67544
(316) 653-7550

GAS VOLUME REPORT

Company Ritchie Exploration, Inc. Lease & Well No. Sharp Seed 14C No. 1

Date 5-19-04 Sec. 14 Twp. 17 S Rge. 31 W Location 1380' FSL & 1464' FWL, SEC County Scott State KS

Drilling Contractor L.D. Drilling, Inc. - Rig 1 Formation Altamont DST No. 6

Remarks: Gas to surface in 30 mins. Burns nicely.

INITIAL FLOW

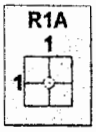
Time O'Clock	Orifice Size	Gauge	CF/D
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	

FINAL FLOW

Open Tool: 9:54 a.m.

Time O'Clock	Orifice Size	Gauge	CF/D
10:04 a.m.	1/8 in.	3 in.	915
10:14 a.m.	1/8 in.	2 in.	747
10:24 a.m.	1/8 in.	1 in.	528

Oil Well Test - Buildup
Radial Flow Analysis



RITCHIE EXPLORATION, INC.

#1 SHARP SEED 14C

DST #6 ALTAMONT 4,312'-4,377

Analysis Results

Total Sandface Rate (q_tB_t)	256.186 bbl/d	Apparent Skin (s')	-6.150
Semilog Slope (m)	8.11	Skin - Damage	-6.150
Gas Permeability (k_g)	md	Skin - Inclination	0.000
Oil Permeability (k_o)	1627.633 md	Skin - Partial Penetration	
Water Permeability (k_w)	md	Pressure Drop Due to Skin (Δp_s)	psi
Flow Capacity (kh)	4882.899 md.ft	Damage Ratio (DR)	0.962
Total Mobility (k/μ_t)	1712.79 md/cp	Flow Efficiency (FE)	1.039
Total Transmissivity(kh/μ_t)	5138.38 md.ft/cp		

Reservoir Parameters

Net Pay (h)	3.000 ft
Total Porosity (ϕ_t)	11.00 %
Water Saturation (S_w)	20.00 %
Oil Saturation (S_o)	80.00 %
Gas Saturation (S_g)	0.00 %
Wellbore Radius (r_w)	0.30 ft
Formation Temperature (T)	133.0 °F
Formation Compressibility (c_f)	4.674e-6 psi^{-1}
Total Compressibility (c_t)	1.558e-5 psi^{-1}

Pressures

Initial Pressure (p_i)	2204.71 psi
Extrapolated Pressure (p*)	1114.67 psi
Ave. Reservoir Press	1112.86 psi
Final Flowing Pressure (p_{wfo})	1102.45 psi

Production and Times

Corrected Flow Time (t_c)	1.0833 hr
Cumulative Oil Production	9.163 bbl
Final Oil Rate	203.000 bbl/d

Fluid Properties

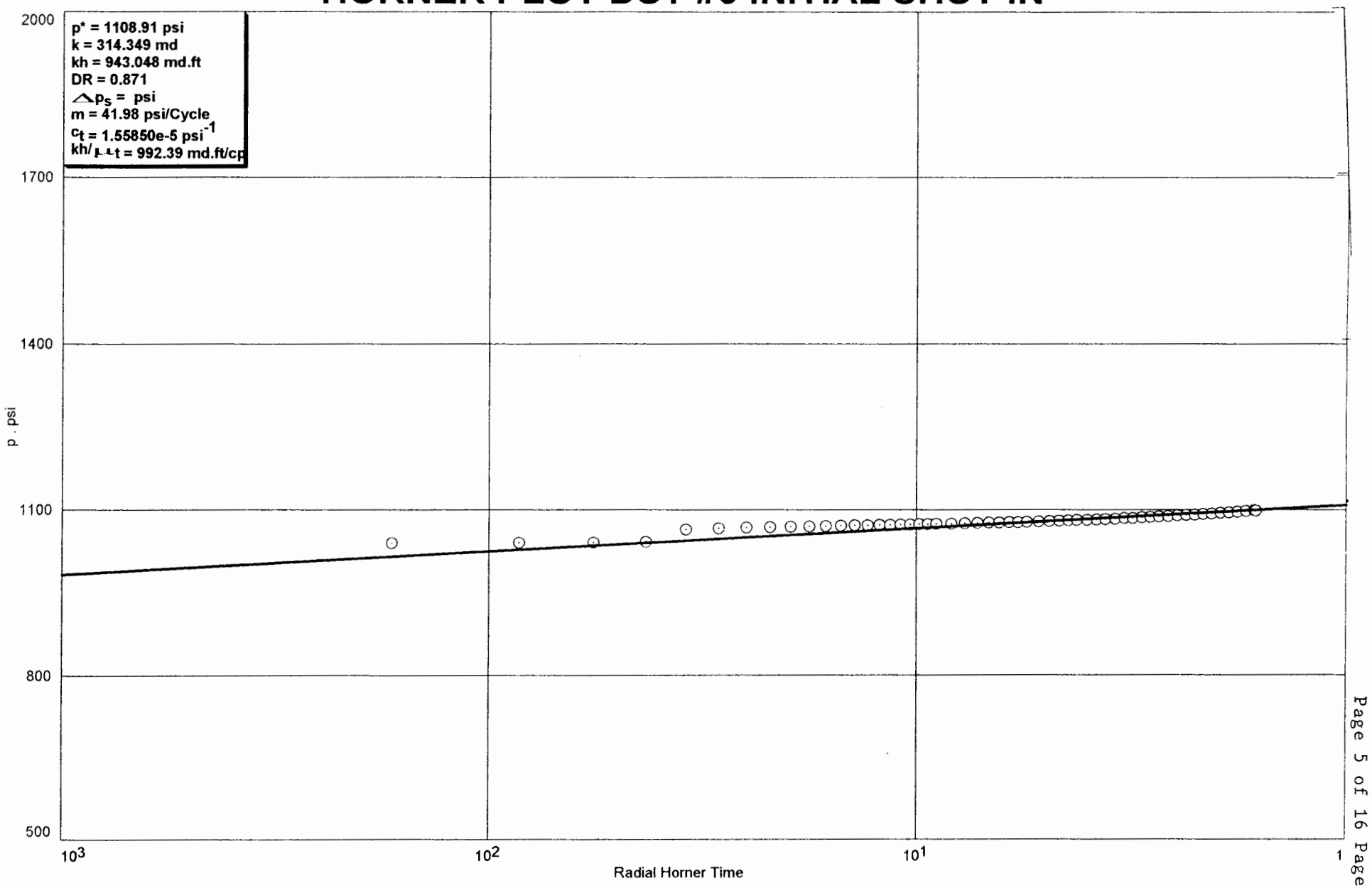
Oil Compressibility (c_o)	1.28990e-5 psi^{-1}
Oil Formation Volume Factor (B_o)	1.262
Oil Viscosity (μ_o)	0.950 cp
Solution Gas Ratio (R_s)	460 scf/bbl
Oil Gravity (γ_o)	36.00 ° API
Gas Gravity (G)	0.650
PVT Reference Pressure (p_{PVT})	2204.71 psi

Extended Rates Calculations

Specified Flowing Pressure	1102.45 psi
Specified Reservoir Pressure	1112.86 psi
Drainage Area	160.0 acres
3 - Month Constant Rate	bbl/d
6 - Month Constant Rate	bbl/d
Stabilized Rate @ Current Skin	134.087 bbl/d
Stabilized Rate @ Skin of 0	35.781 bbl/d
Stabilized Rate @ Skin of -4	bbl/d
PI / II (Total Liquids - Actual)	19.504 bbl/d/psi
PI / II (Total Liquids - Ideal)	bbl/d/psi
Stab. PI / II (Total Liquids - Actual)	12.883 bbl/d/psi
Stab. PI / II (Total Liquids - Ideal)	bbl/d/psi

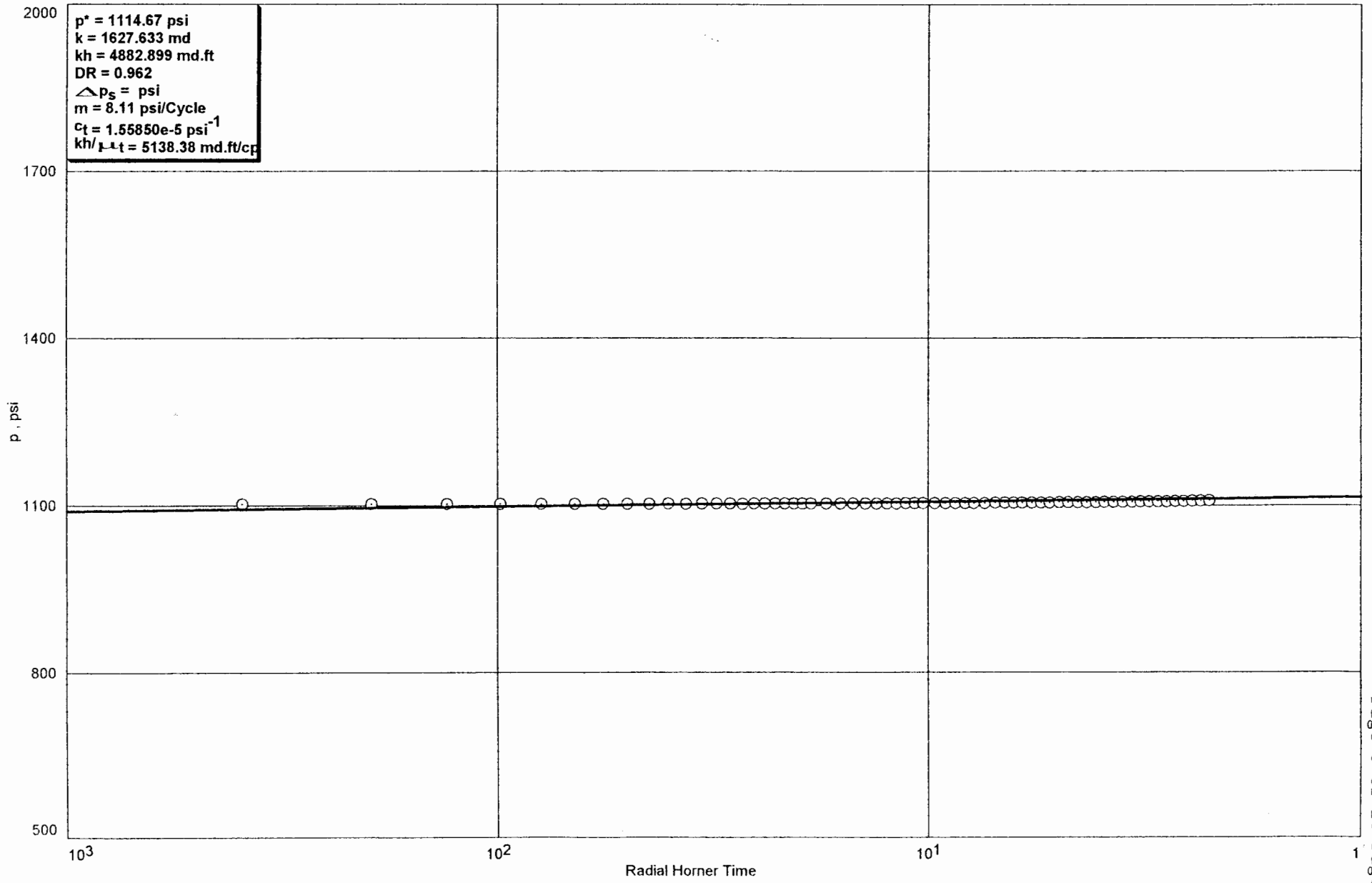
RITCHIE EXPLORATION, INC.
#1 SHARP SEED 14C
DST #6 ALTAMONT 4,312'-4,377

HORNER PLOT DST #6 INITIAL SHUT IN



RITCHIE EXPLORATION, INC.
#1 SHARP SEED 14C
DST #6 ALTAMONT 4,312'-4,377

HORNER PLOT DST #6 FINAL SHUT IN



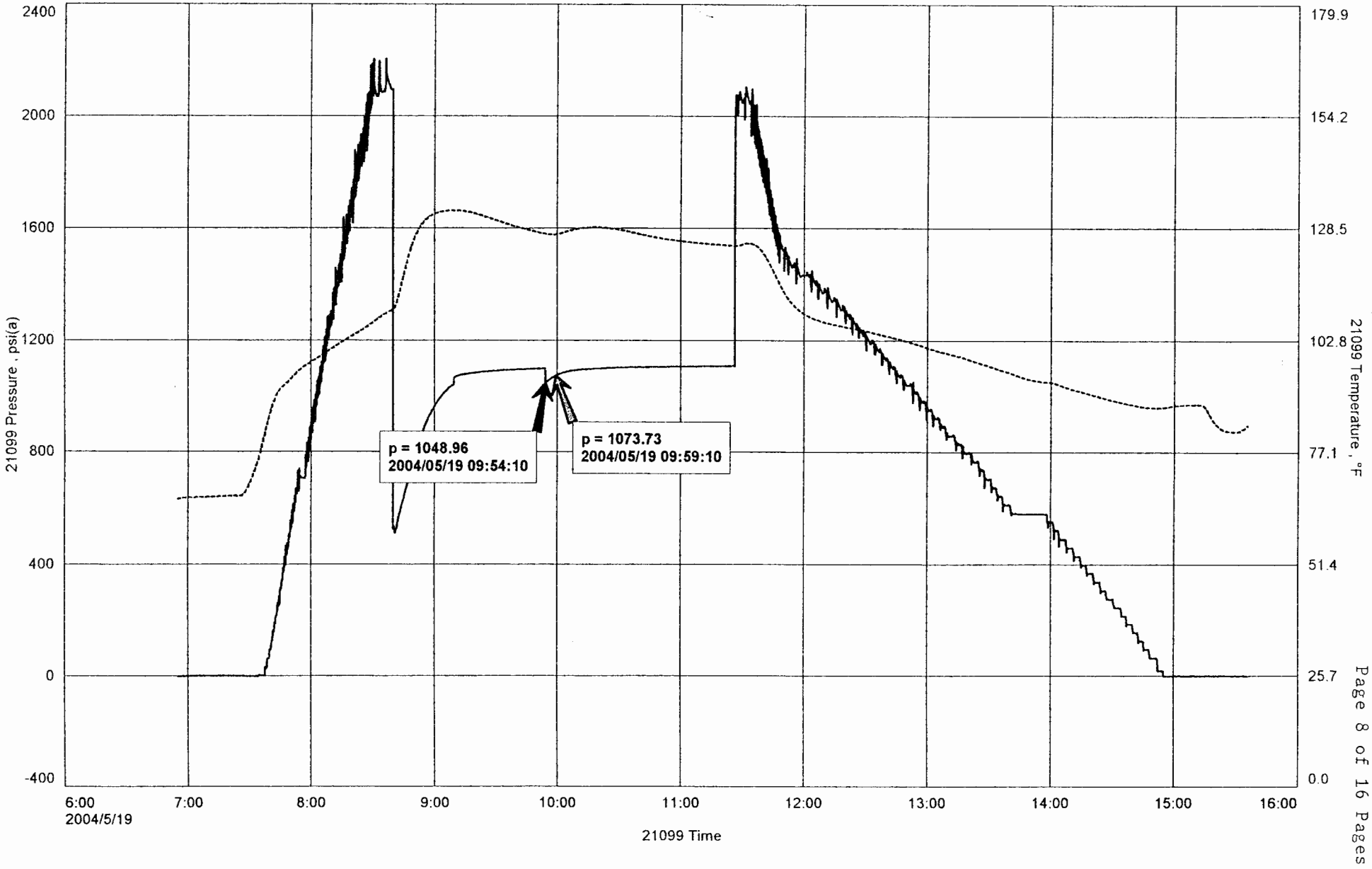
RITCHIE EXPLORATION, INC

DESCRIPTION	SECOND READING	FIRST READING	PRESSURE CHANGE	PIPE SIZE-ID	FLUID GRADIENT	TIME CHANGE	TOTAL TIME	DAILY PROD.	AVERAGE % OIL	ESTIMATED PRODUCTION
FINAL FLOW	1,074	1,049	25	0.0103	0.3658	5	1440	203	1	203

RITCHIE EXPLORATION, INC.
DST #6 ALTAMONT 4,312'-4,377'
Start Test Date: 2004/05/19
Final Test Date: 2004/05/19

#1 SHARP SEED 14C
Formation: DST #6 ALTAMONT 4,312'-4,377'
Pool: WILDCAT

#1 SHARP SEED 14C



Ritchie Exploration, Inc.
#1 Sharp Seed 14C, Dst 6

Comments relative to analysis of the drill stem test that was run in the Altamont formation by Diamond Testing.

This analysis is based upon the liquid recovery and equations applicable to liquid recovery tests; radial flow analysis and derivative analysis techniques. It has been assumed for purposes of this analysis, that the tested reservoir system consisted of a single porosity zone 3 feet in thickness with an average porosity of 11 percent. A linear flow regime equivalent to approximately ½ slope is noted on the diagnostic plots. This type of flow regime is often times associated with the presence of fractures or the presence of a channel reservoir system. A vertical oil-well model with linear flow was used for type-curve matching and non-linear regression analysis.

The semi-log plots indicate a maximum initial reservoir pressure of 1122 psi and a maximum final reservoir pressure of 1126 psi, which is equivalent to a subsurface pressure gradient of 0.261 psi/ft at gauge depth. The subsurface pressure gradient would appear to be somewhat low compared to normal reservoir pressures.

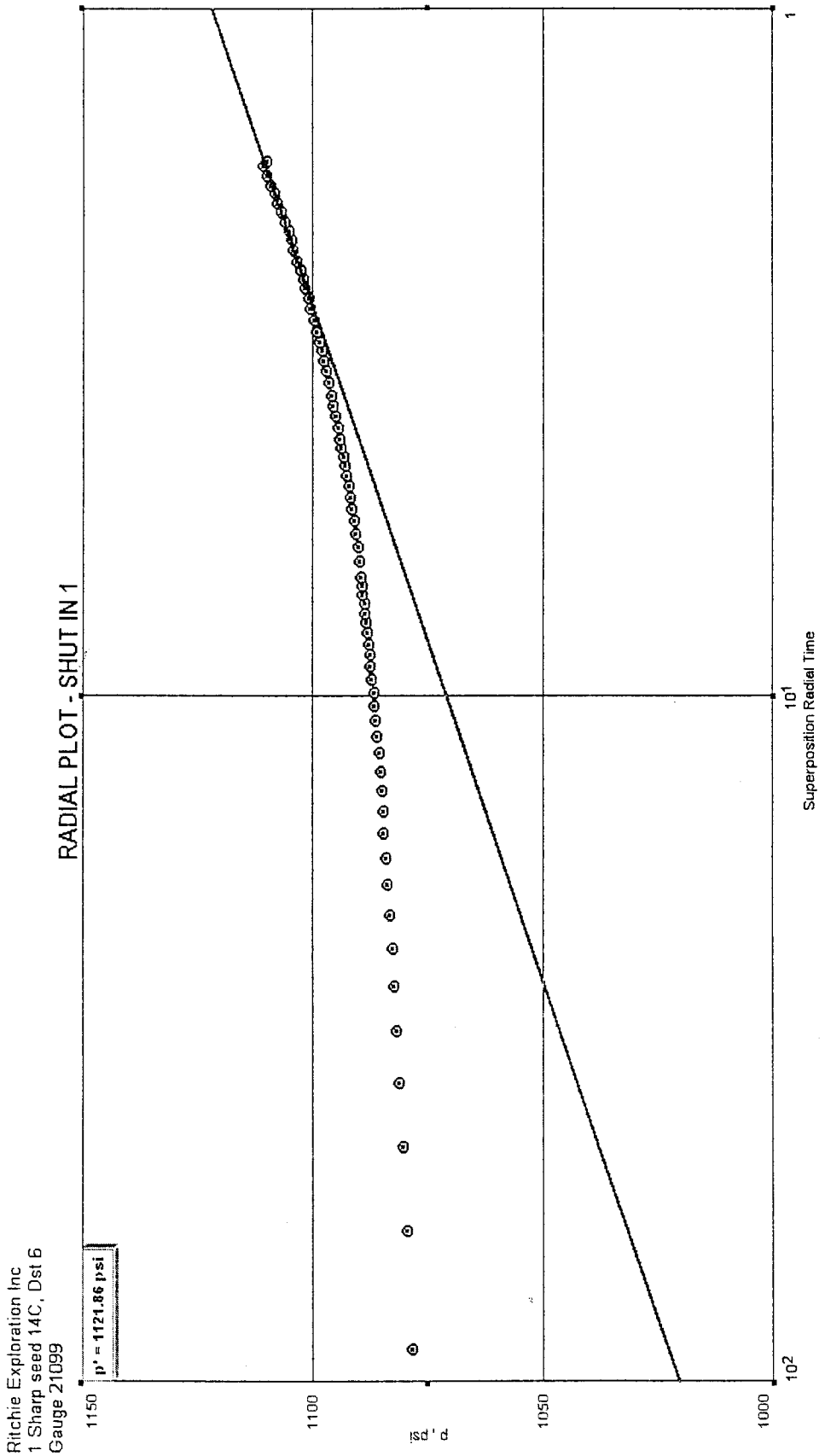
The Average Production Rate which was used in this analysis has been calculated from analysis of the flow pressure curves using a liquid gradient for the recovered oil of 0.366 psi/ft.

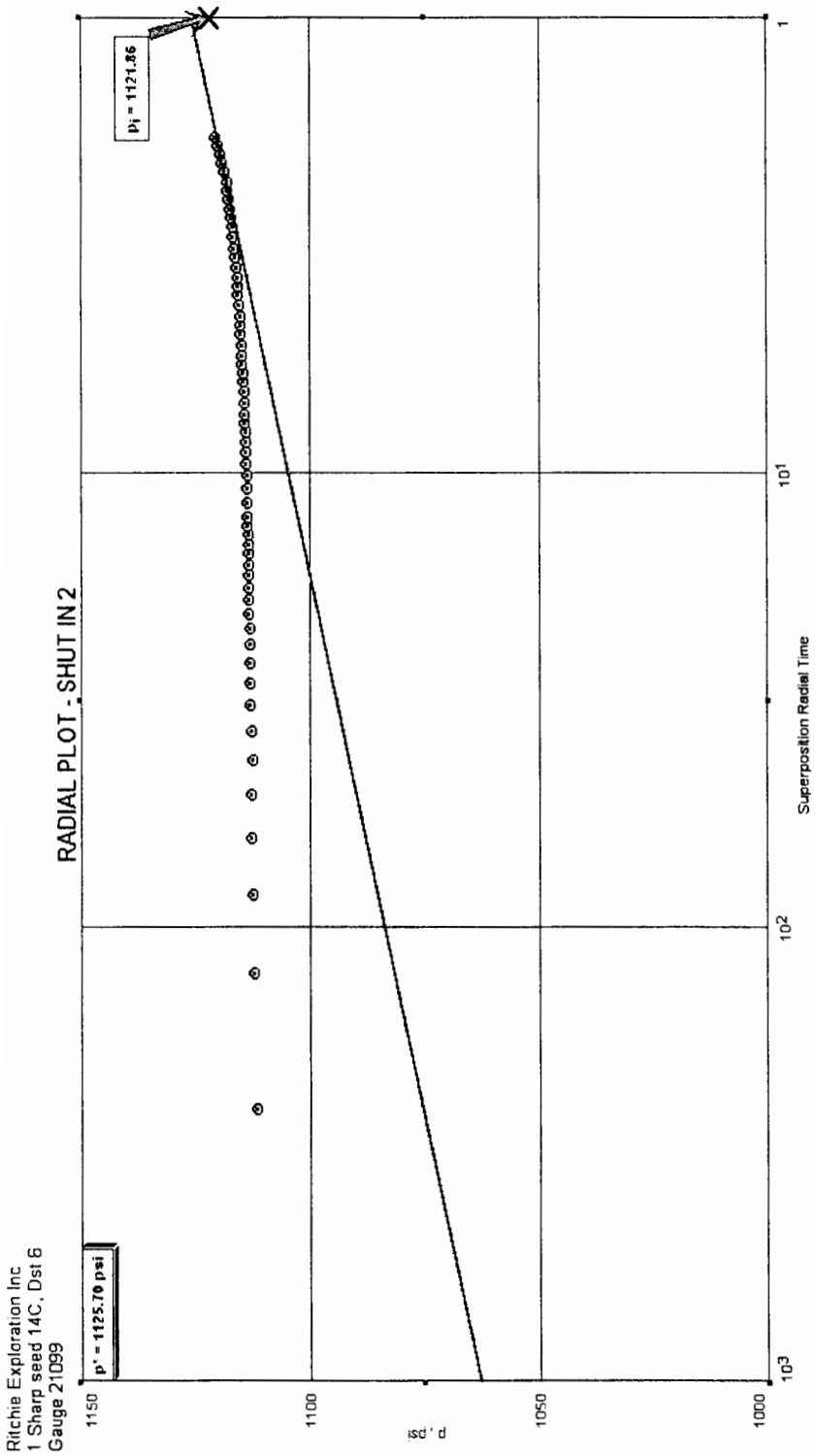
The calculated Skin Factors indicate no well-bore damage was present at the time of this formation test. It should be noted that negative skin, representing well-bore stimulation, is often times associated with the presence of fracture porosity.

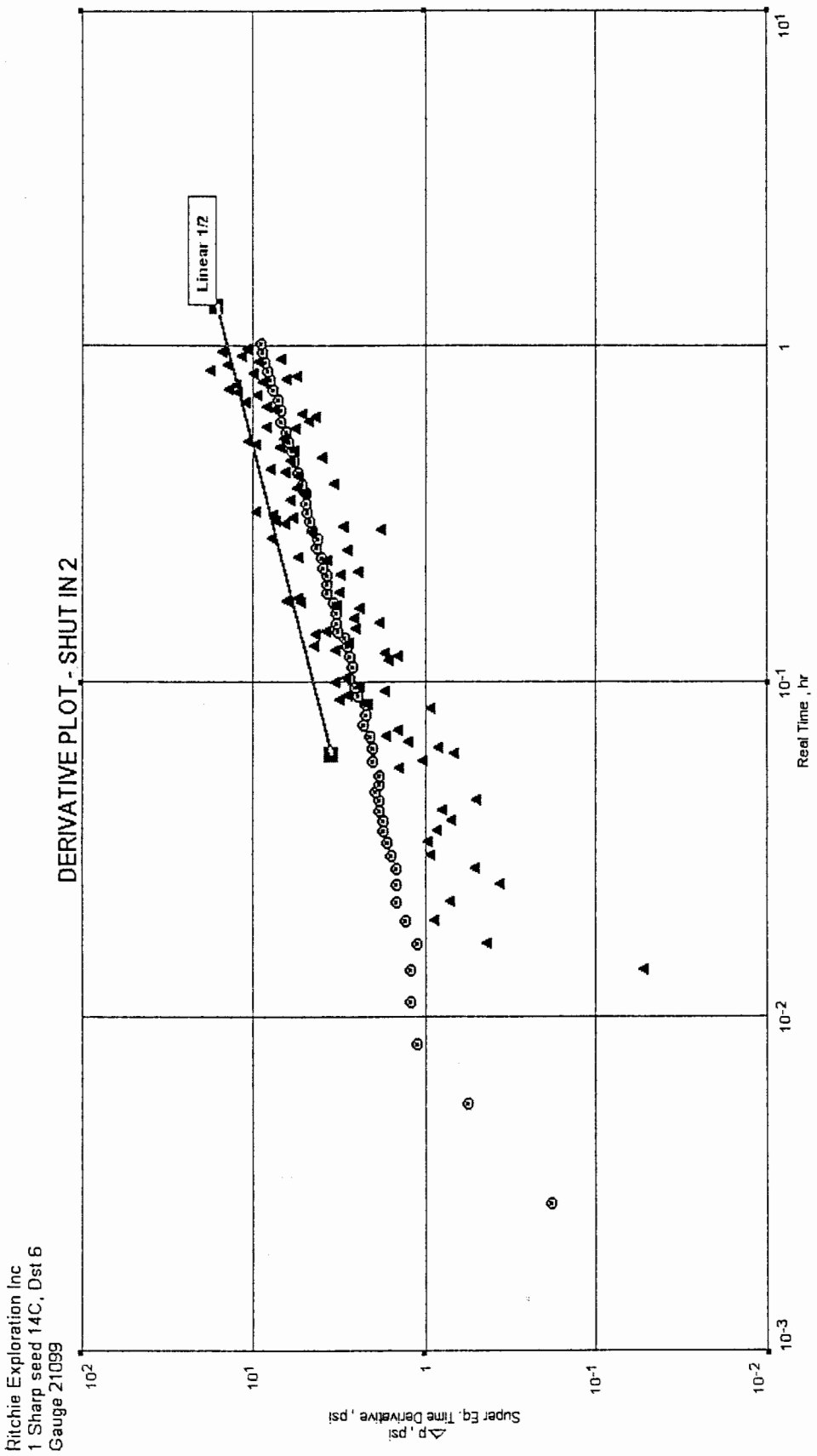
The evaluation criteria used in the drill stem test analysis system indicate this is a good mechanical test and the results obtained in this analysis should be reliable within reasonable limits relative to the assumptions which have been made.

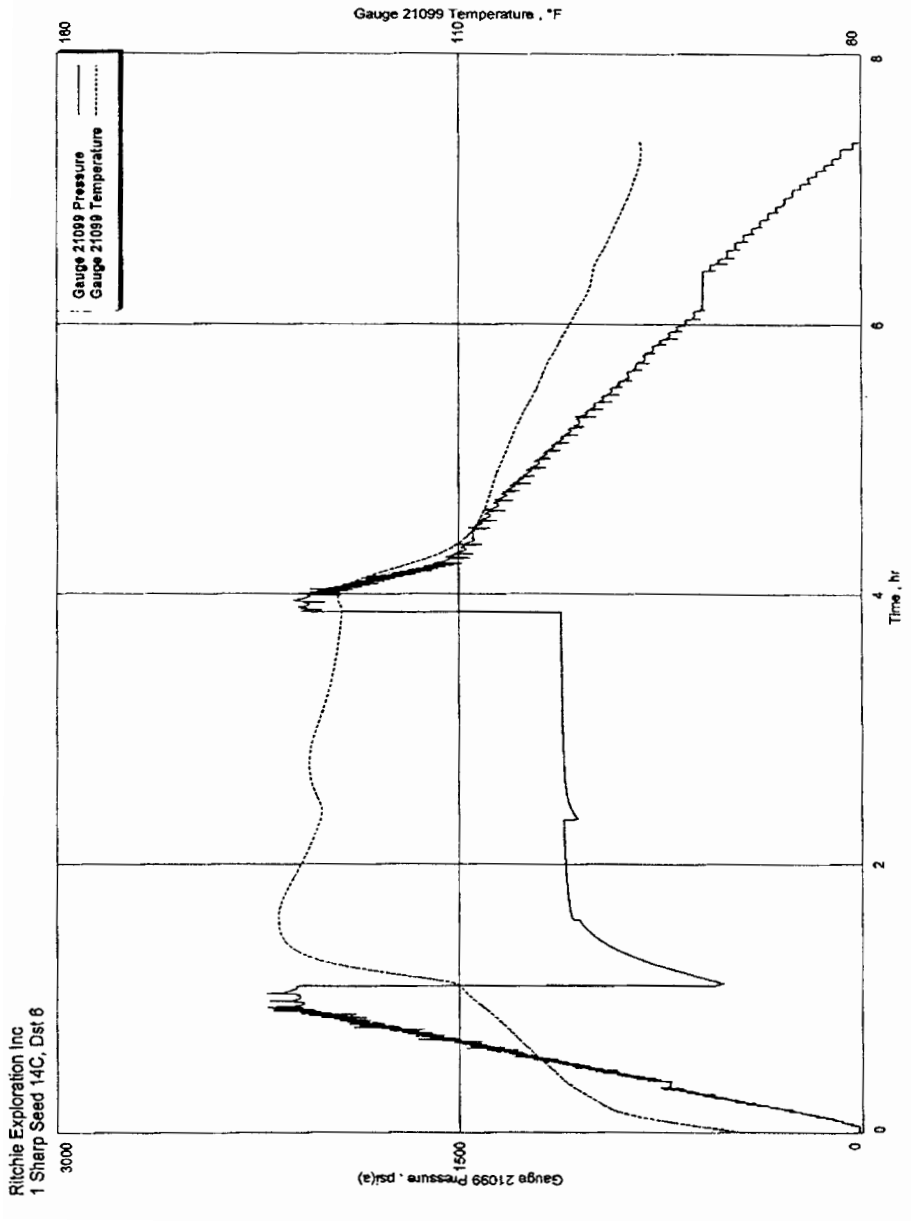
Michael Hudson
Analyst
(928) 505-8389

DRS


Ritchie Exploration Inc
1 Sharp seed 14C, Dst 6
Gauge 21099
RADIAL PLOT - SHUT IN 1
p' = 1121.86 psi
1150
1100
1050
1000
p , psi
10^2
10^1
1
Superposition Radial Time


Ritchie Exploration Inc
1 Sharp seed 14C, Dst 6
Gauge 21099
RADIAL PLOT - SHUT IN 2
p* = 1125.70 psi
pi = 1121.86
1150
1100
1050
1000
p, psi
10^3
10^2
10^1
1
Superposition Radial Time


Ritchie Exploration Inc
1 Sharp seed 14C, Dst 6
Gauge 21099
DERIVATIVE PLOT - SHUT IN 2
Linear 1/2
Δp , psi
Super Eq. Time Derivative , psi
Real Time , hr
10^2
10^1
1
10^-1
10^-2
10^-3
10^-2
10^-1
1
10^1


Gauge 21099 Temperature , °F
180
110
80
Gauge 21099 Pressure
Gauge 21099 Temperature
Ritchie Exploration Inc
1 Sharp Seed 14C, Dst 6
3000
1500
0
Gauge 21099 Pressure , psi(a)
0
2
4
6
8
Time , hr
C:\Users\BSOETS 19-May-04 Ver 4.107

Vertical Oil Well Model

Ritchie Exploration Inc

1 Sharp seed 14C, Dst 6

Gauge 21099

Model Parameters

Oil Permeability (k_o)	34937.537	md	Total Transmissivity (kh/μ_t)	68011.21	md.ft/cp
Total Mobility (k/μ_t)	22670.40	md/cp	Skin (s)	-7.000	

Formation Parameters

Net Pay (h)	3.000	ft
Total Porosity (ϕ_t)	11.00	%
Oil Saturation (S_o)	80.00	%
Gas Saturation (S_g)	0.00	%
Water Saturation (S_w)	20.00	%
Wellbore Radius (r_w)	0.33	ft
Formation Temperature (T)	132.5	°F
Formation Compressibility (c_f)	4.674e-6	psi^{-1}
Total Compressibility (c_t)	1.646e-5	psi^{-1}
Wellbore Storage Constant Dim. (C_D)	0.01	

Fluid Properties

Oil Compressibility (c_o)	1.39653e-5	psi^{-1}
Gas Compressibility (c_g)	9.95820e-4	psi^{-1}
Water Compressibility (c_w)	3.05332e-6	psi^{-1}
Oil Formation Volume Factor (B_o)	1.142	
Gas Formation Volume Factor (B_g)	0.002316	bbl/scf
Water Formation Volume Factor (B_w)	1.010	
Oil Viscosity (μ_o)	1.541	cp
Gas Viscosity (μ_g)	0.0134	cp
Water Viscosity (μ_w)	0.493	cp
Solution Gas Ratio (R_s)	207	scf/bbl
Oil Gravity (γ_o)	36.00	° API
Gas Gravity (G)	0.650	
PVT Reference Pressure (p_{PVT})	1121.86	psi
Bubble Point Pressure (P_{bp})	1121.86	psi

Production and Pressure

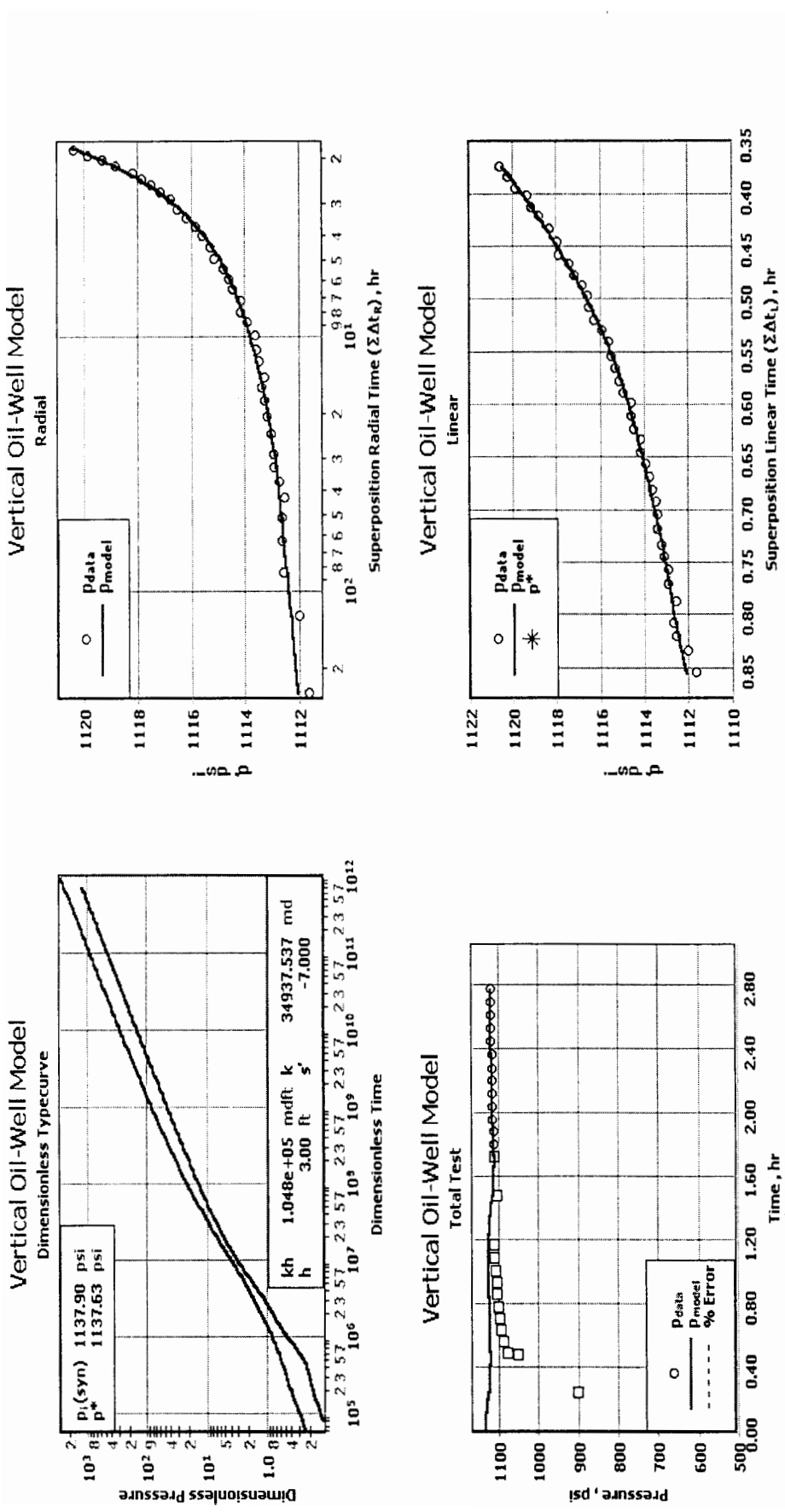
$Q_t B_t$	1567.723	bbl/d
Final Oil Rate	1372.990	bbl/d
Final Flowing Pressure (p_{wfo})	1111.45	psi
Final Measured Pressure	1120.57	psi

Synthesis Results

Average Error	-0.00	%
Synthetic Initial Pressure (p_i)	1137.90	psi
Extrapolated Pressure at Specified Time	1137.63	psi
Pressure Drop Due To Skin (Δp_s)		psi
Flow Efficiency (FE)	1.948	
Damage Ratio (DR)	0.513	

Forecasts

Forecast Flowing Pressure (P_{flow})	1111.45	psi
3 - Month Constant Rate Forecast @ Curr. Skin	15.160	bbl/d
6 - Month Constant Rate Forecast @ Curr. Skin	10.682	bbl/d
Forecast Flow Duration (t_{flow})	12.00	month
Constant Rate Forecast @ Curr. Skin	7.542	bbl/d
PI / II (Total Liquids - Actual)	0.494	bbl/d/psi


Vertical Oil-Well Model
Dimensionless Typecurve
Dimensionless Pressure
Dimensionless Time
Vertical Oil-Well Model
Radial
Superposition Radial Time (ΣΔtR), hr
Vertical Oil-Well Model
Linear
Superposition Linear Time (ΣΔtL), hr
Vertical Oil-Well Model
Total Test
Pressure, psi
Time, hr

GENERAL INFORMATION

Client Information:

Company: RITCHIE EXPLORATION, INC.

Contact: ROCKY MILFORD

Phone: Fax: e-mail:

Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

Well Information:

Name: #1 SHARP SEED 14C

Operator: RITCHIE EXPLORATION, INC.

Location-Downhole: DST #6 ALTAMONT 4,312'-4,377'

Location-Surface: SEC 14-17S-31W SCOTT COUNTY

Test Information:

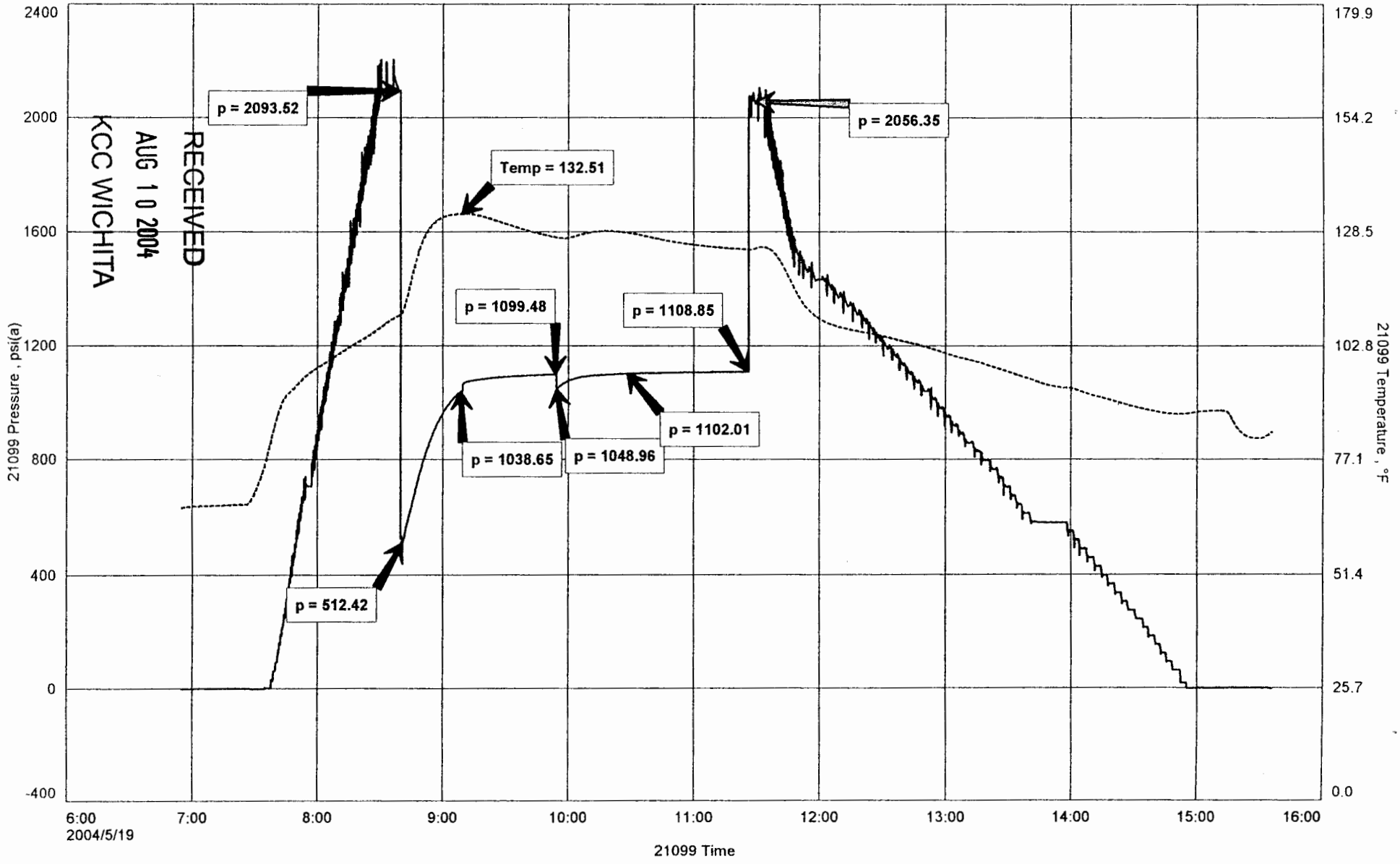
Company:	DIAMOND TESTING		
Representative:	ROGER D. FRIEDLY		
Supervisor:	KIM SHOEMAKER		
Test Type:	CONVENTIONAL	Job Number:	
Test Unit:	NO 1		
Start Date:	2004/05/19	Start Time:	06:54:00
End Date:	2004/05/19	End Time:	15:34:30
Report Date:		Prepared By:	
Remarks:		Qualified By:	

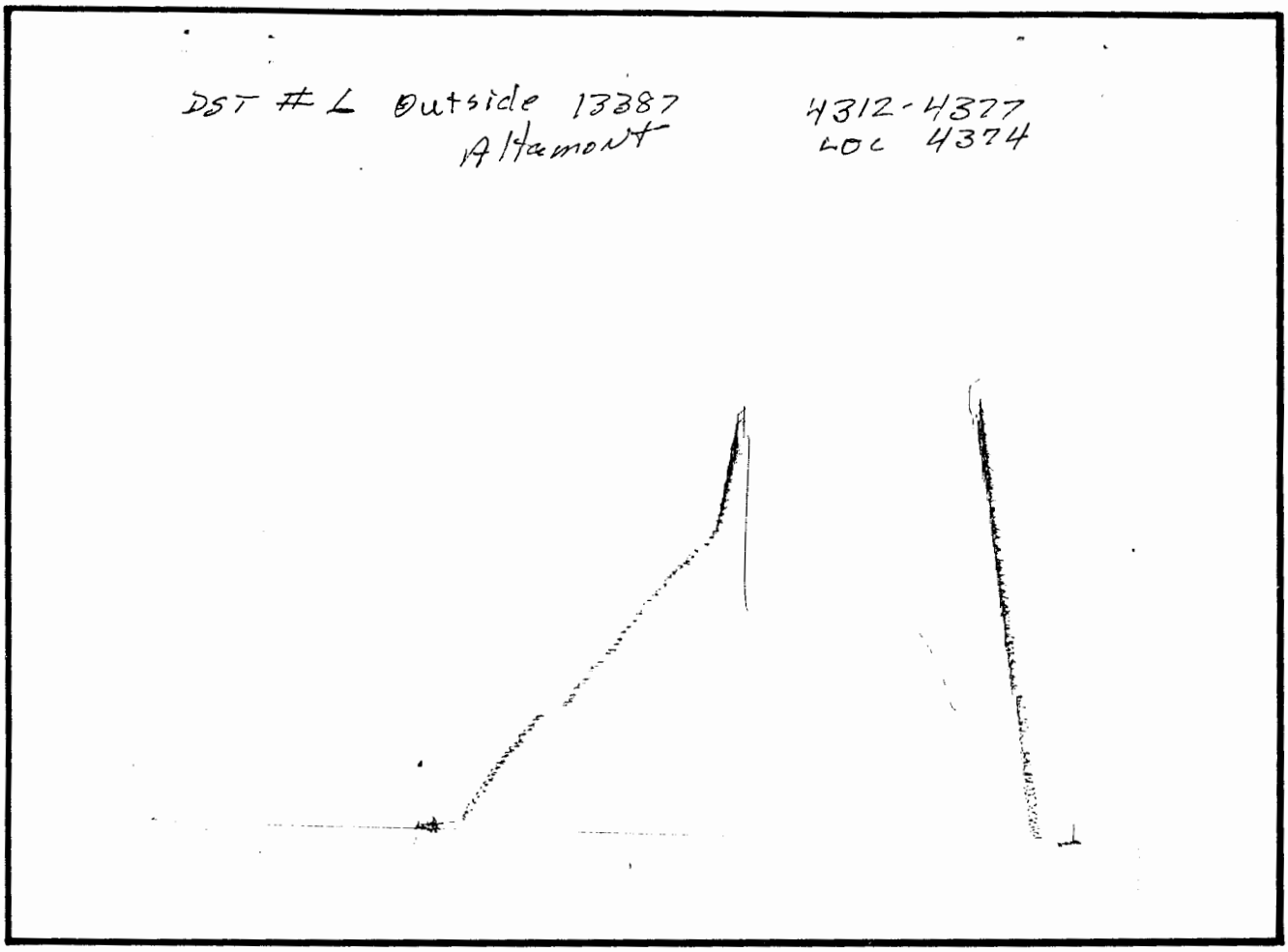
RECOVERED: 2,929' CLEAN OIL
62' HGCMO (10% GAS, 20% MUD, 70% OIL)
62' HGCMO (18% GAS, 37% MUD, 45% OIL)
TOTAL FLUID 3,053'
TOOL SAMPLE 2% GAS, 7% WTR, 30% MUD, 61% OIL

RITCHIE EXPLORATION, INC.
DST #6 ALTAMONT 4,312'-4,377'
Start Test Date: 2004/05/19
Final Test Date: 2004/05/19

#1 SHARP SEED 14C
Formation: DST #6 ALTAMONT 4,312'-4,377'
Pool: WILDCAT

#1 SHARP SEED 14C





This is an actual photograph of recorder chart.

POINT		PRESSURE Elec. Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2094	2094	PSI
(B)	First Initial Flow Pressure	512	512	PSI
(C)	First Final Flow Pressure	1039	1039	PSI
(D)	Initial Closed-in Pressure	1099	1099	PSI
(E)	Second Initial Flow Pressure	1049	1049	PSI
(F)	Second Final Flow Pressure	1102	1102	PSI
(G)	Final Closed-in Pressure	1109	1109	PSI
(H)	Final Hydrostatic Mud	2056	2056	PSI

DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21099.D29

Company Ritchie Exploration, Inc. Lease & Well No. Sharp Seed 14C No. 1

Elevation 2916 KB Formation Pawnee/Fort Scott/Cherokee Effective Pay -- Ft. Ticket No. 1873

Date 5-20-04 Sec. 14 Twp. 17S Range 31W County Scott State Kansas

Test Approved By Kim B. Shoemaker Diamond Representative Roger D. Friedly

Formation Test No. 7 Interval Tested from 4,402 ft. to 4,490 ft. Total Depth 4,490 ft.

Packer Depth 4,397 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,402 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,390 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,487 ft. Recorder Number 13387 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor L. D. Drilling, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 50 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.3 Water Loss 7.2 cc. Drill Pipe Length 4,377 ft. I.D. 3½ in.

Chlorides 1,800 P.P.M. Test Tool Length 25 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 25' perf. w/63' 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 decreasing to a weak surface blow. No blow back during shut-in.
2nd Open: No blow. No blow back during shut-in.

Recovered 5 ft. of drilling mud = .051300 bbls.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 100%- drilling mud

Time Set Packer(s) 6:53 A.M. P.M. Time Started Off Bottom 8:53 A.M. P.M. Maximum Temperature 118°

Initial Hydrostatic Pressure			(A) 2102	P.S.I.		
Initial Flow Period	Minutes 30	(B) 6	P.S.I.	to (C) 13	P.S.I.	
Initial Closed In Period	Minutes 30	(D) 306	P.S.I.			
Final Flow Period	Minutes 30	(E) 12	P.S.I.	to (F) 14	P.S.I.	
Final Closed In Period	Minutes 30	(G) 174	P.S.I.			
Final Hydrostatic Pressure			(H) 2074	P.S.I.		

DIAMOND TESTING
P. O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

FLUID SAMPLE DATA

Company Ritchie Exploration, Inc.

Lease & Well No. Sharp Seed 14C No. 1

Date 5-20-04 Sec. 14 Twp. 17 S Range 31 W

Formation Test No. 7 Interval Tested From 4,402 ft. to 4,490 ft. Total Depth 4,490 ft.

Formation Pawnee/Fort Scott/ Cherokee

	MUD PIT	RECOVERY
Viscosity	50 CP	55 CP
Weight	9.3	9.2
Water Loss	7.2 CC	7.2 CC
PH Factor	9.0	9.0

	RESISTIVITY		CHLORIDE CONTENT
Recovery Water	-- @	-- °F.	-- ppm
Recovery Mud	1.80 @	68 °F.	3,300 ppm
Recovery Mud Filtrate	2.00 @	69 °F.	3,000 ppm
Mud Pit Sample	1.90 @	66 °F.	3,500 ppm
Mud Pit Sample Filtrate	1.75 @	68 °F.	3,600 ppm

Sample Taken By ROGER D. FRIEDLY

Witness By Kim B. Shoemaker

Remarks Pit filtrate triton dish chlorides were 1,800 Ppm.
Recovery filtrate triton dish chlorides were 2,000 Ppm.

GENERAL INFORMATION

Client Information:

Company: RITCHIE EXPLORATION, INC.

Contact: ROCKY MILFORD

Phone: Fax: e-mail:

Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

Well Information:

Name: #1 SHARP SEED 14C

Operator: RITCHIE EXPLORATION, INC.

Location-Downhole: DST #7 PAW/FT SCOTT/CHERO. 4,402'-4,490'

Location-Surface: SEC 14-17S-31W SCOTT COUNTY

Test Information:

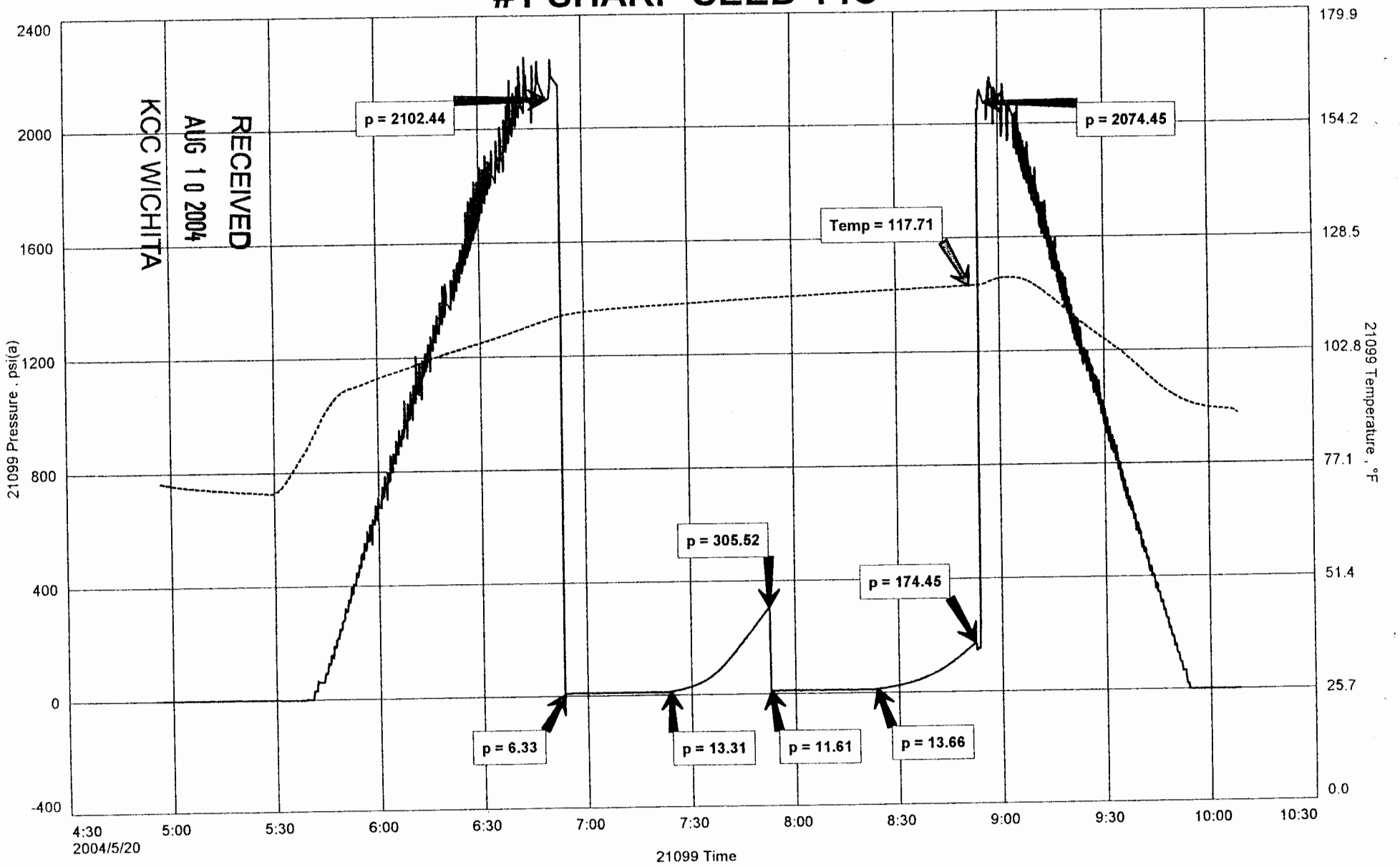
Company:	DIAMOND TESTING		
Representative:	ROGER D. FRIEDLY		
Supervisor:	KIM SHOEMAKER		
Test Type:	CONVENTIONAL	Job Number:	
Test Unit:	NO 1		
Start Date:	2004/05/20	Start Time:	04:56:00
End Date:	2004/05/20	End Time:	10:07:10
Report Date:		Prepared By:	
Remarks:		Qualified By:	

RECOVERED: 5' DRILLING MUD
TOOL SAMPLE 100% DRILLING MUD.

RITCHIE EXPLORATION, INC.
DST #7 PAW/FT SCOTT/CHERO. 4,402'-4,490'
Start Test Date: 2004/05/20
Final Test Date: 2004/05/20

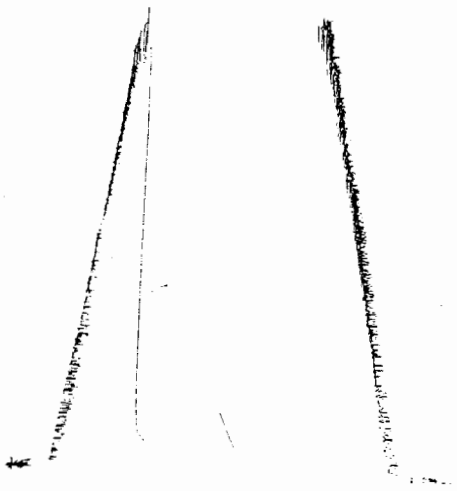
#1 SHARP SEED 14C
Formation: DST #7 PAW/FT SCOTT/CHERO. 4,402'-4,490'
Pool: WILDCAT

#1 SHARP SEED 14C



DST #7 Outside 13387
Paw/FS/Chero

4402-4490
LOC 4487



This is an actual photograph of recorder chart.

POINT		PRESSURE Elec. Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2102	2102	PSI
(B)	First Initial Flow Pressure	6	6	PSI
(C)	First Final Flow Pressure	13	13	PSI
(D)	Initial Closed-in Pressure	306	306	PSI
(E)	Second Initial Flow Pressure	12	12	PSI
(F)	Second Final Flow Pressure	14	14	PSI
(G)	Final Closed-in Pressure	174	174	PSI
(H)	Final Hydrostatic Mud	2074	2074	PSI

DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21099.D30

Company Ritchie Exploration, Inc. Lease & Well No. Sharp Seed 14C No. 1

Elevation 2916 KB Formation Johnson Effective Pay -- Ft. Ticket No. 1874

Date 5-20-04 Sec. 14 Twp. 17S Range 31W County Scott State Kansas

Test Approved By Kim B. Shoemaker Diamond Representative Roger D. Friedly

Formation Test No. 8 Interval Tested from 4,480 ft. to 4,545 ft. Total Depth 4,545 ft.

Packer Depth 4,475 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,480 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,468 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,542 ft. Recorder Number 13387 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor L. D. Drilling, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in.

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

Weight 9.3 Water Loss 8.0 cc. Drill Pipe Length 4,455 ft. I.D. 3½ in.

Chlorides 2,500 P.P.M. Test Tool Length 25 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 34' perf. w/31' 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, 1/8 in., blow increasing to 10½ ins. No blow back during shut-in.
2nd Open: Good, 3 in., blow increasing. Off bottom of bucket in 13 mins. Weak, ½ in., blow back during shut-in.

Recovered 350 ft. of gas in pipe

Recovered 20 ft. of oil cut mud = .205200 bbls. (Grind out: 28%-oil; 72%-mud)

Recovered 62 ft. of oil cut gassy mud = .636120 bbls. (Grind out: 23%-oil; 28%-gas; 49%-mud)

Recovered 82 ft of TOTAL FLUID = .841320 bbls.

Recovered ft. of

Remarks Tool Sample Grind Out: 8%-gas; 37%-oil; 55%-mud

NOTE: Mud system had about 10%-oil.

RECEIVED
AUG 10 2004
KCC WICHITA

Time Set Packer(s) 8:25 ~~A~~M. P.M. Time Started Off Bottom 11:25 ~~A~~M. P.M. Maximum Temperature 122°

Initial Hydrostatic Pressure ..... (A) 2146 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 8 P.S.I. to (C) 24 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 1139 P.S.I.

Final Flow Period ..... Minutes 45 (E) 26 P.S.I. to (F) 47 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 1139 P.S.I.

Final Hydrostatic Pressure ..... (H) 2139 P.S.I.

DIAMOND TESTING
P. O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

FLUID SAMPLE DATA

Company Ritchie Exploration, Inc.

Lease & Well No. Sharp Seed 14C No. 1

Date 5-20-04 Sec. 14 Twp. 17 S Range 31 W

Formation Test No. 8 Interval Tested From 4,480 ft. to 4,545 ft. Total Depth 4,545 ft.

Formation Johnson

	MUD PIT	RECOVERY
Viscosity	56 CP	-- CP
Weight	9.3	--
Water Loss	8.0 CC	-- CC
PH Factor	9.5	--

	RESISTIVITY			CHLORIDE CONTENT
Recovery Water	--	@ --	°F.	-- ppm
Recovery Mud	--	@ --	°F.	-- ppm
Recovery Mud Filtrate	--	@ --	°F.	-- ppm
Mud Pit Sample	1.40	@ 62	°F.	4,600 ppm
Mud Pit Sample Filtrate	1.60	@ 66	°F.	4,000 ppm

Sample Taken By ROGER D. FRIEDLY

Witness By Kim B. Shoemaker

Remarks Pit filtrate triton dish chlorides were 2,500 Ppm.

GENERAL INFORMATION

Client Information:

Company: RITCHIE EXPLORATION, INC.

Contact: ROCKY MILFORD

Phone: Fax: e-mail:

Site Information:

Contact: KIM SHOMAKER

Phone: Fax: e-mail:

Well Information:

Name: #1 SHARP SEED 14C

Operator: RITCHIE EXPLORATION, INC.

Location-Downhole: DST #8 JOHNSON 4,480'-4,545'

Location-Surface: SEC 15-17S-31W SCOTT COUNTY

Test Information:

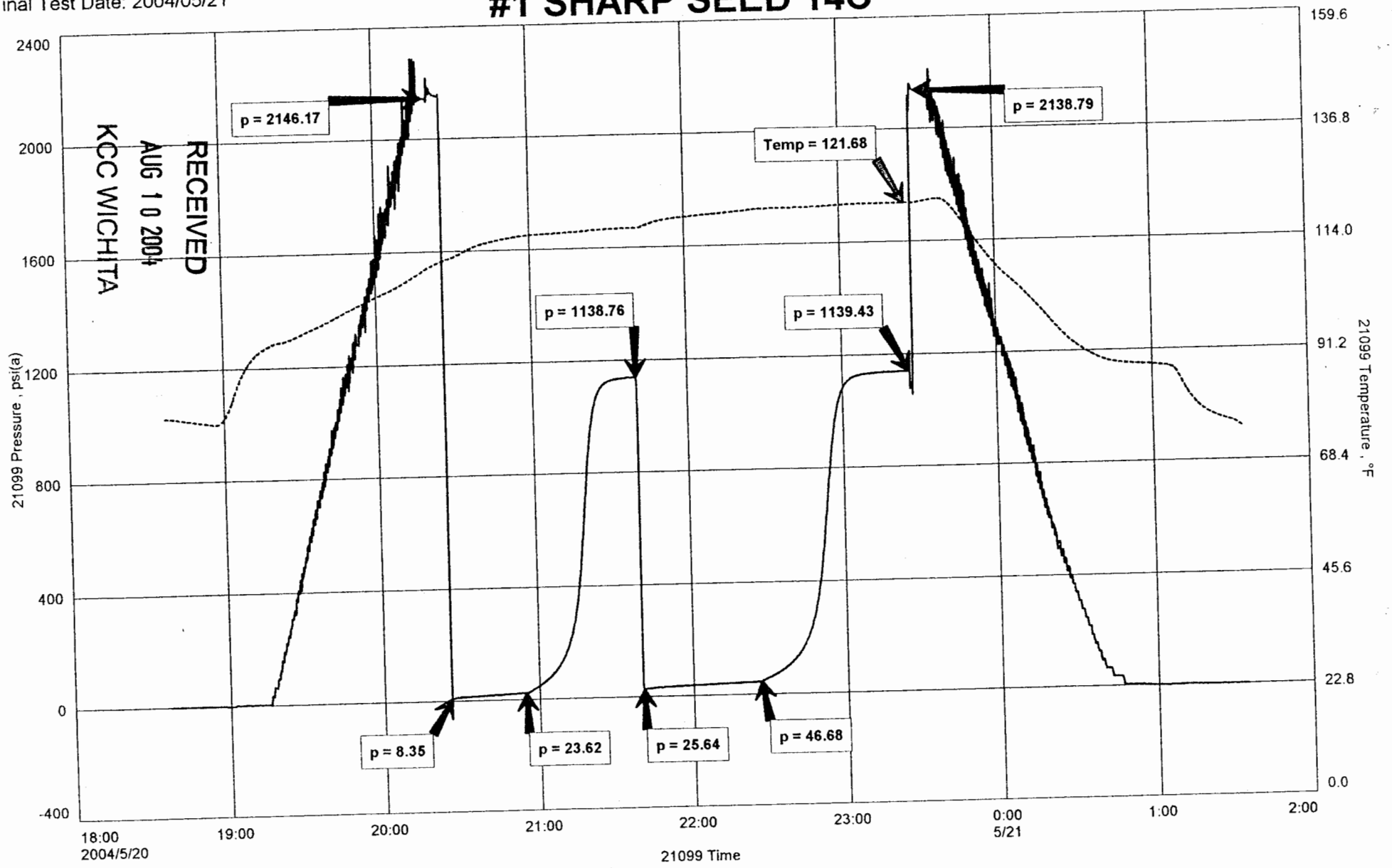
Company:	DIAMOND TESTING		
Representative:	ROGER D. FRIEDLY		
Supervisor:	KIM SHOEMAKER		
Test Type:	CONVENTIONAL	Job Number:	
Test Unit:	NO 1		
Start Date:	2004/05/20	Start Time:	18:36:00
End Date:	2004/05/21	End Time:	01:33:40
Report Date:		Prepared By:	
Remarks:		Qualified By:	

RECOVERED: 20' OCM (28% OIL 72% MUD)
62' OCGM (23% OIL, 28% GAS 49% MUD)
82' TOTAL FLUID
350' GAS IN PIPE
NOTE: MUD SYSTEM IS CARRYING ABOUT 10% OIL FROM ALTAMONT DST.

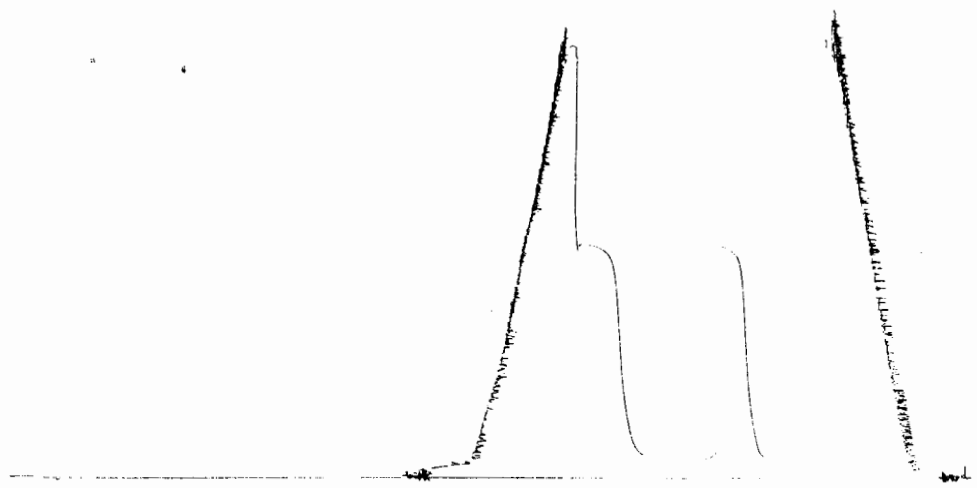
RITCHIE EXPLORATION, INC.
DST #8 JOHNSON 4,480'-4,545'
Start Test Date: 2004/05/20
Final Test Date: 2004/05/21

#1 SHARP SEED 14C
Formation: DST #8 JOHNSON 4,480'-4,545'
Pool: WILDCAT

#1 SHARP SEED 14C



DST #8 Outside 13387 M 480-4545
Johnson Loc 4542



This is an actual photograph of recorder chart.

POINT		PRESSURE Elec. Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2146	2146	PSI
(B)	First Initial Flow Pressure	8	8	PSI
(C)	First Final Flow Pressure	24	24	PSI
(D)	Initial Closed-in Pressure	1139	1139	PSI
(E)	Second Initial Flow Pressure	26	26	PSI
(F)	Second Final Flow Pressure	47	47	PSI
(G)	Final Closed-in Pressure	1139	1139	PSI
(H)	Final Hydrostatic Mud	2139	2139	PSI