

15-009-24758

34-19s-12w

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

RECEIVED

AUG 13 2003

KCC WICHITA

ORIGINAL

Company L.D. Drilling, Inc. Lease & Well No. Barrow/No. 1

Elevation 1814 KB Formation Chase/Winfield Effective Pay -- Ft. Ticket No. J1377

Date 7-10-03 Sec. 34 Twp. 19S Range 12W County Barton State Kansas

Test Approved By Kim B. Shoemaker Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 1,511 ft. to 1,630 ft. Total Depth 1,630 ft.

Packer Depth 1,506 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 1,511 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 1,514 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 1,627 ft. Recorder Number 13556 Cap. 5,475 psi

Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. -- psi

Drilling Contractor Duke Drilling Co., Inc. - Rig 9 Drill Collar Length -- ft. I.D. -- in.

Mud Type Spotted mud on bottom Viscosity -- Weight Pipe Length -- ft. I.D. -- in.

Weight -- Water Loss -- cc. Drill Pipe Length 1,489 ft. I.D. 2 3/4 in.

Chlorides 78,000 P.P.M. Test Tool Length 22 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 119 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: Strong blow. Off bottom of bucket in 25 mins. No blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 28 mins. No blow back during shut-in.

Recovered 62 ft. of slightly gas & water cut mud = .458800 bbls. (Grind out: 5%-gas; 25%-water; 70%-mud) Chlorides: 80,000 Ppm

Recovered -- ft. of

Recovered -- ft. of

Recovered -- ft. of

Recovered -- ft. of

Remarks

Time Set Packer(s) 6:25 P.M. Time Started Off Bottom 8:25 P.M. Maximum Temperature 77°

Initial Hydrostatic Pressure (A) 731 P.S.I.

Initial Flow Period Minutes 30 (B) 17 P.S.I. to (C) 30 P.S.I.

Initial Closed In Period Minutes 30 (D) 235 P.S.I.

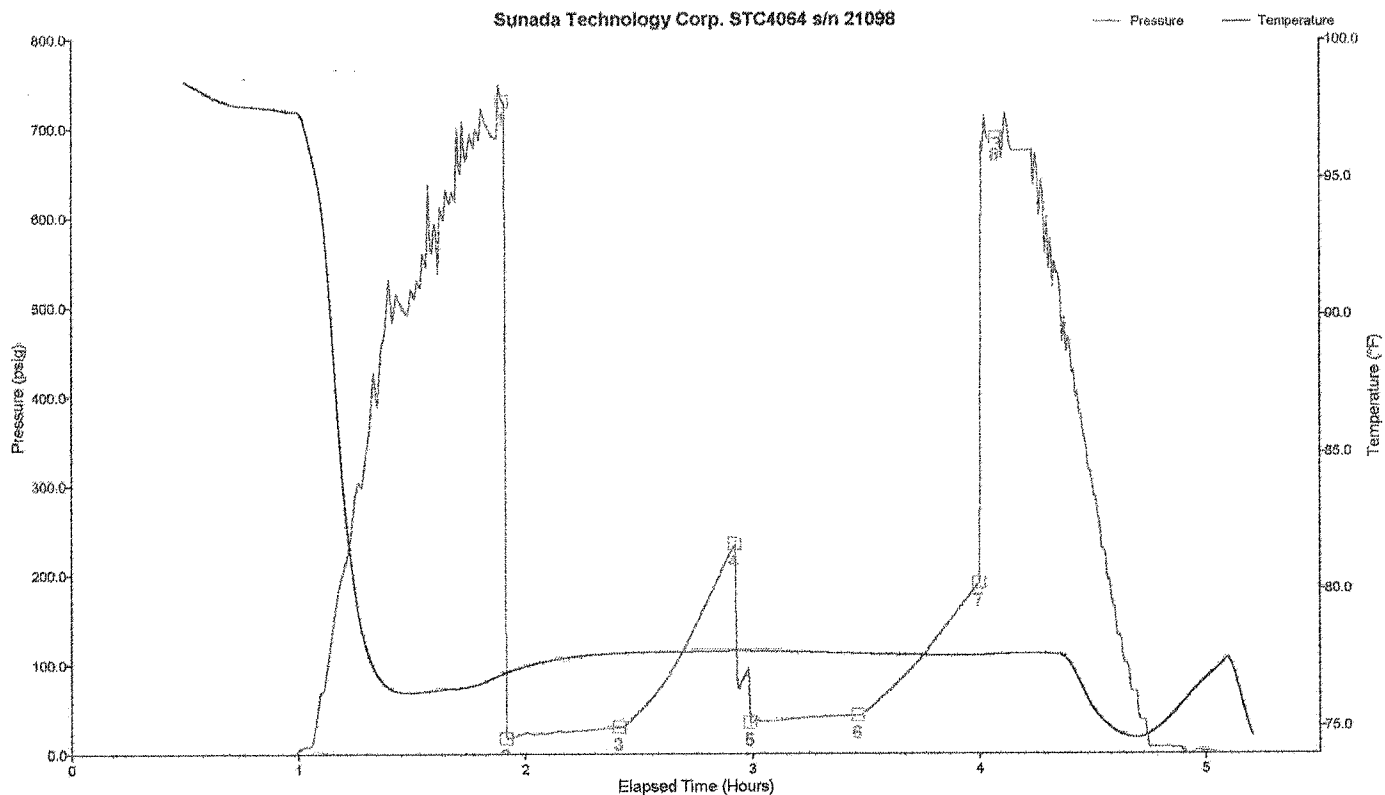
Final Flow Period Minutes 30 (E) 35 P.S.I. to (F) 43 P.S.I.

Final Closed In Period Minutes 30 (G) 191 P.S.I.

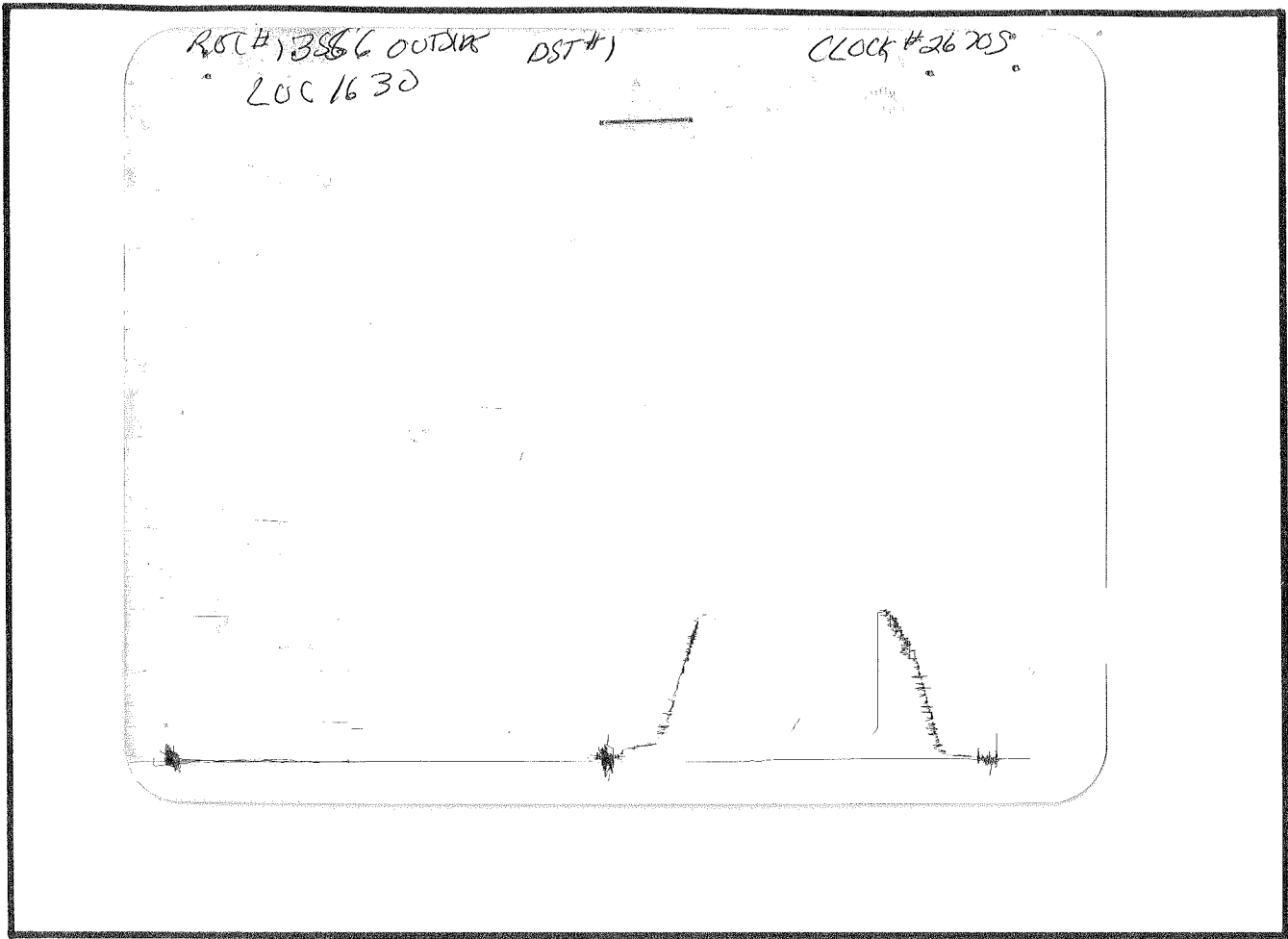
Final Hydrostatic Pressure (H) 690 P.S.I.

Well LSD: DST 1 CHASE/WINFIELD 1511-1630
 Well Name: BARROW 1
 Company: L D DRILLING INC
 Battery on: Jul 10, 2003 at 16:30:00
 Notes: REC. 62' SLG+WCM

ORIGINAL

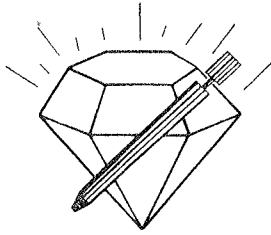


Tag	Pressure	Temperature	Comment
1	731.20 psig	76.93 °F	2003-07-10 18:24:00
2	17.29 psig	76.98 °F	2003-07-10 18:25:00
3	29.92 psig	77.67 °F	2003-07-10 18:55:00
4	235.47 psig	77.75 °F	2003-07-10 19:25:30
5	34.99 psig	77.75 °F	2003-07-10 19:29:30
6	42.97 psig	77.65 °F	2003-07-10 19:58:00
7	190.91 psig	77.57 °F	2003-07-10 20:30:00
8	689.86 psig	77.61 °F	2003-07-10 20:34:30



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Elec. Office Reading	
(A) Initial Hydrostatic Mud	731	731	PSI
(B) First Initial Flow Pressure.....	17	17	PSI
(C) First Final Flow Pressure	30	30	PSI
(D) Initial Closed-in Pressure	235	235	PSI
(E) Second Initial Flow Pressure	35	35	PSI
(F) Second Final Flow Pressure.....	43	43	PSI
(G) Final Closed-in Pressure.....	191	191	PSI
(H) Final Hydrostatic Mud	690	690	PSI



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

RECEIVED

AUG 13 2003

KCC WICHITA

ORIGINAL Page 1 of 2 Pages

Company L.D. Drilling, Inc. Lease & Well No. _____ Barrow No. 1

Elevation 1814 KB Formation Topeka/Platsmouth Effective Pay -- Ft. Ticket No. J1378

Date 7-13-03 Sec. 34 Twp. 19S Range 12W County Barton State Kansas

Test Approved By Kim B. Shoemaker Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 2,915 ft. to 2,927 ft. Total Depth 2,927 ft.

Packer Depth 2,910 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 2,915 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 2,918 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 2,924 ft. Recorder Number 13556 Cap. 5,475 psi

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi

Drilling Contractor Duke Drilling Co., Inc. - Rig 9 Drill Collar Length -- ft. I.D. -- in.

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

Weight 8.6 Water Loss 11.2 cc. Drill Pipe Length 2,893 ft. I.D. 2 3/4 in.

Chlorides 2,400 P.P.M. Test Tool Length 22 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 12 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: Strong blow. Off bottom of bucket in 15 mins. No blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 8 mins. No blow back during shut-in.

Recovered 180 ft. of gas in pipe

Recovered 50 ft. of slightly gas cut watery mud = .370000 bbls. (Grind out: 5%-gas; 20%-water; 75%-mud)

Recovered 50 ft. of TOTAL FLUID = .370000 bbls. Chlorides: 26,000 Ppm

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks _____

Time Set Packer(s) 5:45 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 8:45 ~~P.M.~~ ^{A.M.} Maximum Temperature 94°

Initial Hydrostatic Pressure (A) 1326 P.S.I.

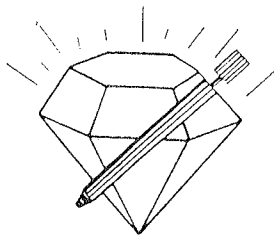
Initial Flow Period Minutes 30 (B) 12 P.S.I. to (C) 19 P.S.I.

Initial Closed In Period Minutes 45 (D) 673 P.S.I.

Final Flow Period Minutes 45 (E) 17 P.S.I. to (F) 31 P.S.I.

Final Closed In Period Minutes 60 (G) 661 P.S.I.

Final Hydrostatic Pressure (H) 1306 P.S.I.



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

FLUID SAMPLE DATA

Company L.D. Drilling, Inc.
Lease & Well No. Barrow No. 1
Date 7-13-03 Sec. 34 Twp. 19 S Range 12 W
Formation Test No. 2 Interval Tested From 2,915 ft. to 2,927 ft. Total Depth 2,927 ft.
Formation Topeka/Platsmouth

	<u>MUD PIT</u>	<u>RECOVERY</u>
Viscosity	<u>42</u> CP	<u>38</u> CP
Weight	<u>8.6</u>	<u>8.5</u>
Water Loss	<u>11.2</u> CC	<u>25 +</u> CC
PH Factor	<u>11.0</u>	<u>9.0</u>

	<u>RESISTIVITY</u>	<u>CHLORIDE CONTENT</u>
Recovery Water	<u>.22 @ 72 °F.</u>	<u>28,000 ppm</u>
Recovery Mud	<u>1.70 @ 65 °F.</u>	<u>4,000 ppm</u>
Recovery Mud Filtrate	<u>.23 @ 70 °F.</u>	<u>26,000 ppm</u>
Mud Pit Sample	<u>3.00 @ 65 °F.</u>	<u>2,500 ppm</u>
Mud Pit Sample Filtrate	<u>2.80 @ 68 °F.</u>	<u>2,600 ppm</u>

Sample Taken By JOHN C. RIEDL

Witness By Kim B. Shoemaker

Remarks Pit filtrate triton dish chlorides were 2,400 Ppm
Recovery filtrate triton dish chlorides were 25,000 Ppm
Recovery water dish chlorides were 26,000 Ppm

Well LSD: DST 2 TOPEKA PLATSMOUTH 2915-2927

Well Name: BARROW 1

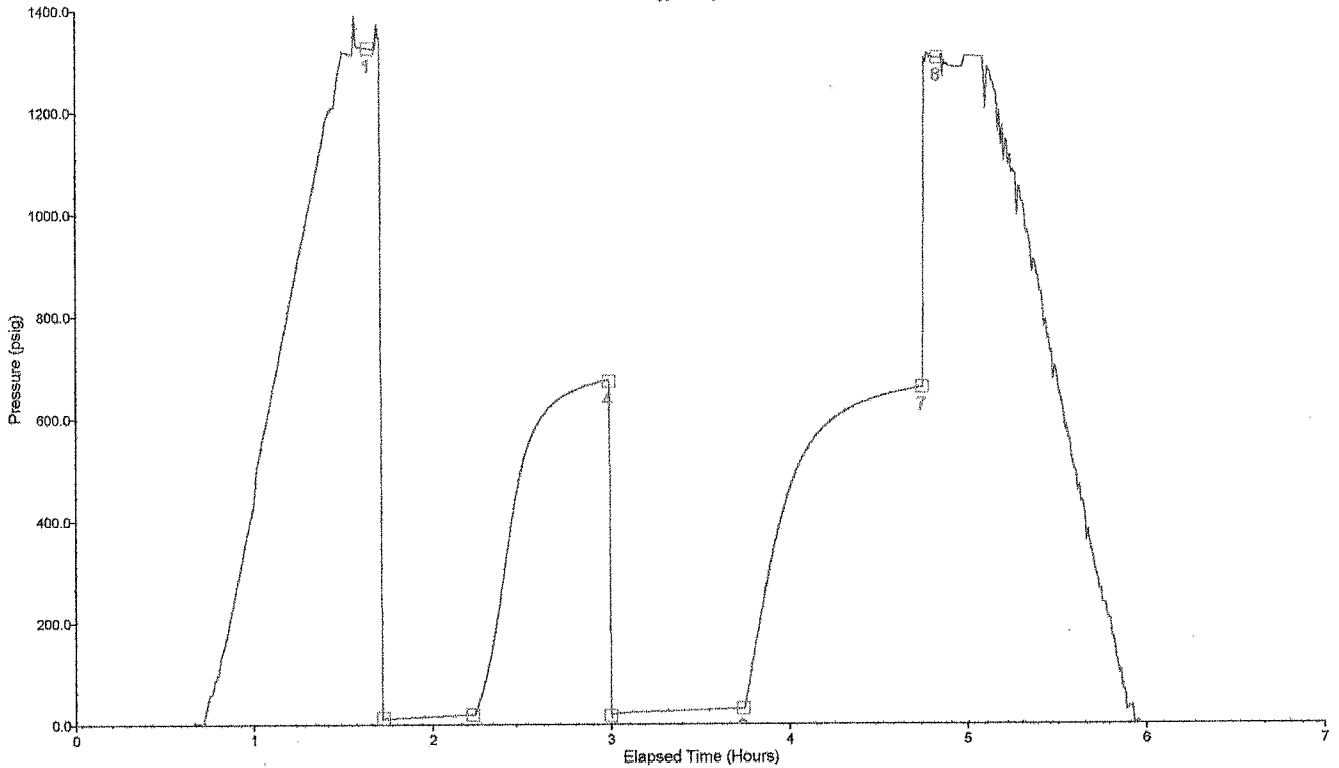
Company: L D DRILLING INC

Battery on: Jul 13, 2003 at 04:02:00

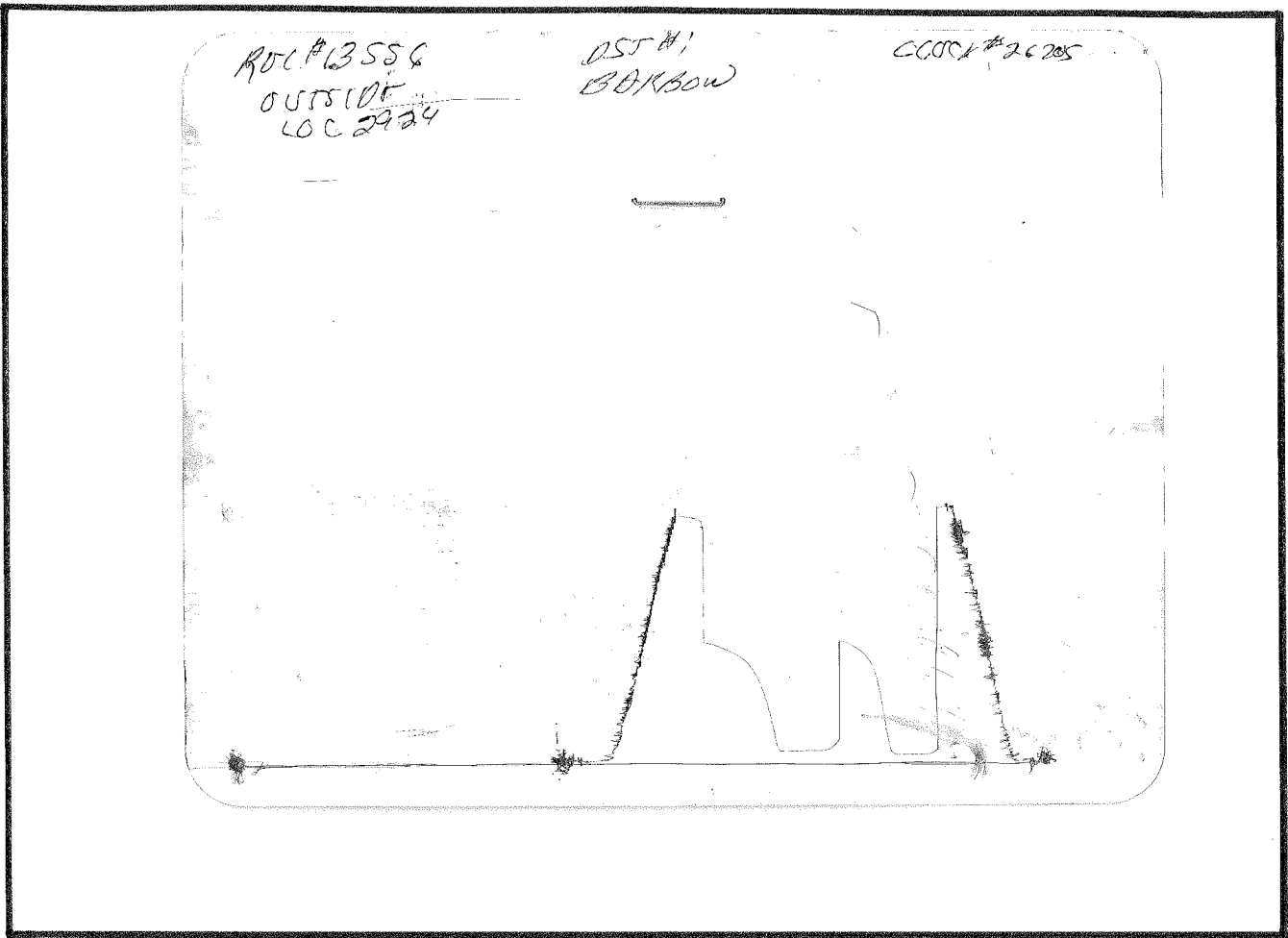
Notes: REC. 180' GIP 50' SLGCWM

ORIGINAL

Sunada Technology Corp. STC4064 s/n 21098

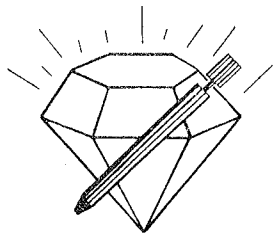


Tag	Pressure	Temperature	Comment
1	1326.25 psig	88.03 °F	2003-07-13 05:40:30
2	12.12 psig	88.47 °F	2003-07-13 05:45:30
3	19.42 psig	91.30 °F	2003-07-13 06:15:30
4	672.83 psig	92.37 °F	2003-07-13 07:01:30
5	16.56 psig	92.37 °F	2003-07-13 07:02:00
6	30.51 psig	93.38 °F	2003-07-13 07:46:30
7	661.09 psig	94.02 °F	2003-07-13 08:47:00
8	1305.99 psig	93.88 °F	2003-07-13 08:52:00



This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading			
(A) Initial Hydrostatic Mud	1326	1326		PSI
(B) First Initial Flow Pressure.....	12	12		PSI
(C) First Final Flow Pressure	19	19		PSI
(D) Initial Closed-in Pressure	673	673		PSI
(E) Second Initial Flow Pressure.....	17	17		PSI
(F) Second Final Flow Pressure.....	31	31		PSI
(G) Final Closed-in Pressure	661	661		PSI
(H) Final Hydrostatic Mud.....	1306	1306		PSI



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

RECEIVED

AUG 13 2003

ORIGINAL KCC WICHITA
Page 1 of 3 Pages

Company L.D. Drilling, Inc. Lease & Well No. _____ Barrow No. 1
Elevation 1814 KB Formation Douglas Sand Effective Pay _____ Ft. Ticket No. J1379
Date 7-14-03 Sec. 34 Twp. 19S Range 12W County Barton State Kansas
Test Approved By Kim B. Shoemaker Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 3,000 ft. to 3,095 ft. Total Depth 3,095 ft.
Packer Depth 2,995 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3,000 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) _____ 3,003 ft. Recorder Number Elec. Cap. 5,000 psi
Bottom Recorder Depth (Outside) _____ 3,092 ft. Recorder Number 13556 Cap. 5,475 psi
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi

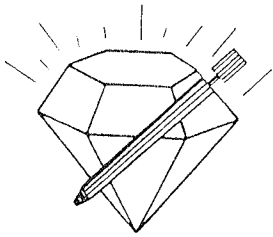
Drilling Contractor Duke Drilling Co., Inc. - Rig 9 Drill Collar Length _____ ft. I.D. _____ in.
Mud Type Chemical Viscosity 45 Weight Pipe Length _____ ft. I.D. _____ in.
Weight 8.8 Water Loss 11.0 cc. Drill Pipe Length 2,978 ft. I.D. 2 3/4 in.
Chlorides 2,500 P.P.M. Test Tool Length 22 ft. Tool Size 3 1/2 - IF in.
Jars: Make Bowen Serial Number Not Run Anchor Length 95 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: Strong blow. Off bottom of bucket in 1 min. Gas to surface in 9 mins. No blow back during shut-in.
2nd Open: Strong blow. Gas to surface throughout. No blow back during shut-in. (SEE GAS VOLUME REPORT)

Recovered 75 ft. of gas cut mud = .555000 bbls. (Grind out: 10%-gas; 2%-water; 88%-mud)
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks _____

Time Set Packer(s)	<u>2:25</u>	XXX	A.M.	Time Started Off Bottom	<u>5:25</u>	XXX	A.M.	Maximum Temperature	<u>95°</u>
Initial Hydrostatic Pressure			(A)	<u>1399</u>			P.S.I.		
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>34</u>	P.S.I.	to (C)	<u>86</u>	P.S.I.	
Initial Closed In Period	Minutes	<u>45</u>	(D)	<u>800</u>			P.S.I.		
Final Flow Period	Minutes	<u>45</u>	(E)	<u>77</u>	P.S.I.	to (F)	<u>104</u>	P.S.I.	
Final Closed In Period	Minutes	<u>60</u>	(G)	<u>789</u>			P.S.I.		
Final Hydrostatic Pressure			(H)	<u>1382</u>			P.S.I.		



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

Page 2 of 3 Pages

FLUID SAMPLE DATA

Company L.D. Drilling, Inc.
Lease & Well No. Barrow No. 1
Date 7-14-03 Sec. 34 Twp. 19 S Range 12 W
Formation Test No. 3 Interval Tested From 3,000 ft. to 3,095 ft. Total Depth 3,095 ft.
Formation Douglas Sand

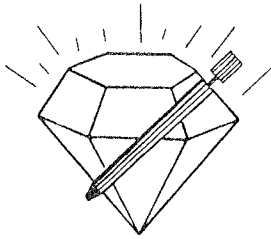
	<u>MUD PIT</u>	<u>RECOVERY</u>
Viscosity	<u>45</u> CP	<u>41</u> CP
Weight	<u>8.8</u>	<u>9.0</u>
Water Loss	<u>11.0</u> CC	<u>10.0</u> CC
PH Factor	<u>11.0</u>	<u>10.5</u>

	<u>RESISTIVITY</u>	<u>CHLORIDE CONTENT</u>
Recovery Water	<u>--</u> @ <u>--</u> °F.	<u>--</u> ppm
Recovery Mud	<u>2.80</u> @ <u>60</u> °F.	<u>2,600</u> ppm
Recovery Mud Filtrate	<u>2.70</u> @ <u>62</u> °F.	<u>2,700</u> ppm
Mud Pit Sample	<u>2.60</u> @ <u>70</u> °F.	<u>2,500</u> ppm
Mud Pit Sample Filtrate	<u>2.20</u> @ <u>73</u> °F.	<u>2,800</u> ppm

Sample Taken By JOHN C. RIEDL

Witness By Kim B. Shoemaker

Remarks Pit filtrate triton dish chlorides were 2,500 Ppm
Recovery filtrate triton dish chlorides were 2,800 Ppm



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

GAS VOLUME REPORT

Company L.D. Drilling, Inc. Lease & Well No. _____ Barrow No. 1
Date 7-14-03 Sec. 34 Twp. 19 S Rge. 12 W Location 130'N C NE SE County Barton State KS
Drilling Contractor Duke Drilling Co., Inc. - Rig 9 Formation Douglas Sand DST No. 3
Remarks: 1st Open: Gas to surface in 9 mins. Gas sample taken. Gas did burn.
2nd Open: Gas tu surface throughout.

INITIAL FLOW

Open Tool: 2:25 a.m.

Time O'Clock	Orifice Size	Gauge	MCF/D
2:35 a.m.	3/4 in.	2½ psi	121
2:45 a.m.	3/4 in.	7 psi	211
2:55 a.m.	3/4 in.	10 psi	259

FINAL FLOW

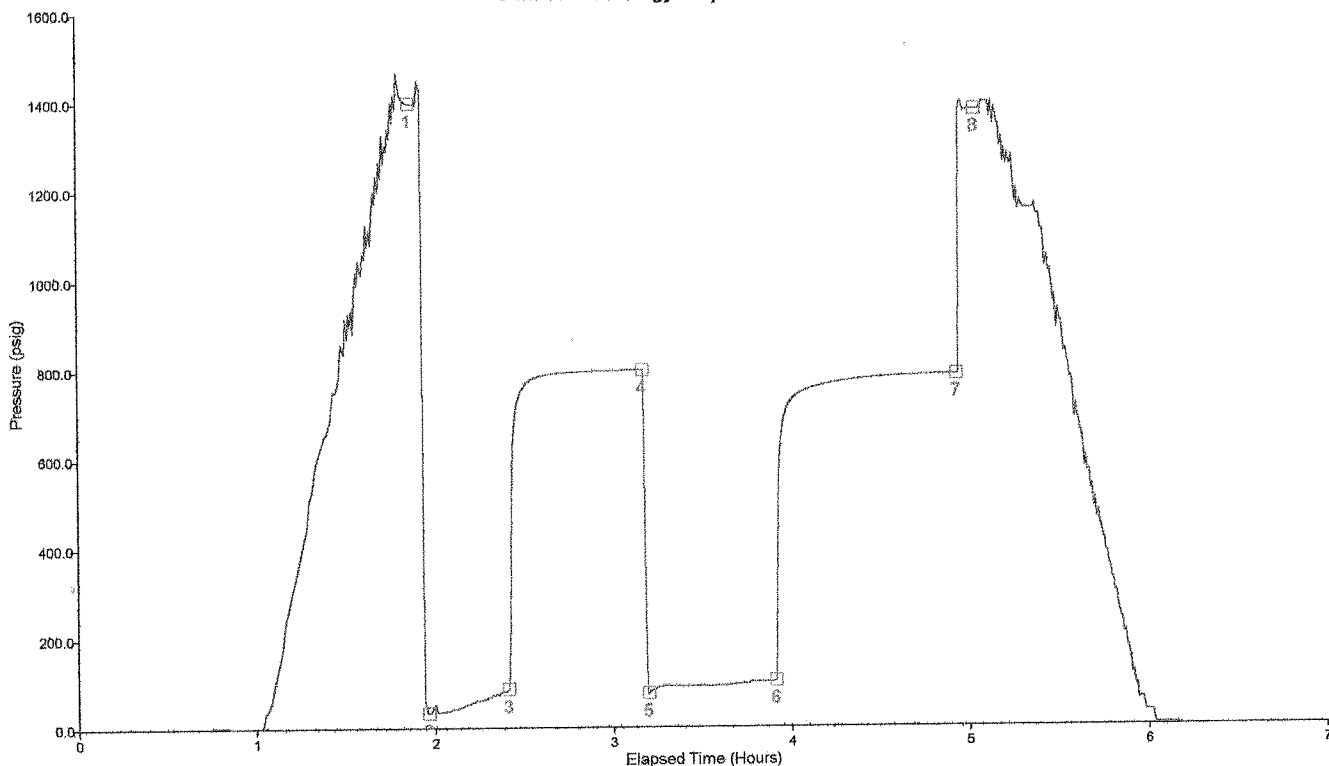
Open Tool: 3:40 a.m.

Time O'Clock	Orifice Size	Gauge	MCF/D
3:45 a.m.	3/4 in.	20 psi	398
3:55 a.m.	3/4 in.	20 psi	398
4:05 a.m.	3/4 in.	20 psi	398
4:15 a.m.	3/4 in.	20 psi	398
4:25 a.m.	3/4 in.	20 psi	398

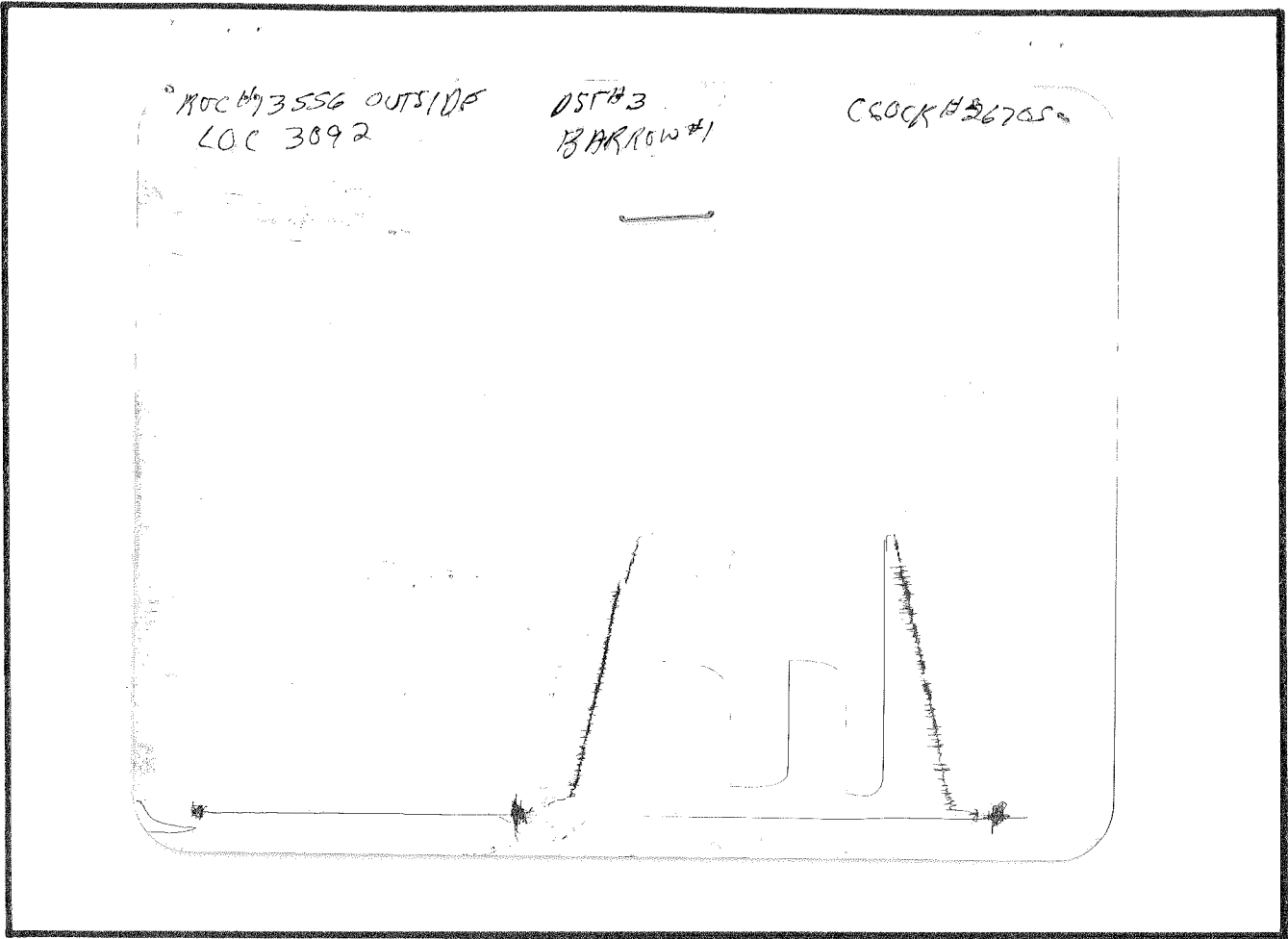
Well LSD: DST 3 DOUGLAS SAND 3000-3095
 Well Name: BARROW 1
 Company: L D DRILLING INC
 Battery on: Jul 14, 2003 at 22:30:00
 Notes: GAS TO SURFACE 1ST FLOW MAXIMUM GUAGE AT END 398MCF\ D
 RECOVERY 75' GCM

ORIGINAL

Sunada Technology Corp. STC4064 s/n 21098

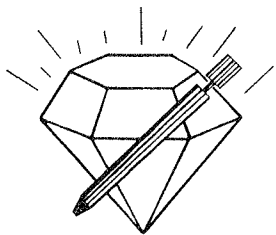


Tag	Pressure	Temperature	Comment
1	1398.84 psig	92.46 °F	2003-07-15 02:22:00
2	33.73 psig	93.61 °F	2003-07-15 02:28:00
3	86.40 psig	95.19 °F	2003-07-15 02:55:00
4	799.99 psig	98.83 °F	2003-07-15 03:40:30
5	76.83 psig	98.63 °F	2003-07-15 03:42:00
6	103.65 psig	91.76 °F	2003-07-15 04:25:00
7	789.17 psig	94.73 °F	2003-07-15 05:26:00
8	1382.32 psig	95.13 °F	2003-07-15 05:32:30



This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading	Office Reading		
(A) Initial Hydrostatic Mud	1399	1399		PSI
(B) First Initial Flow Pressure	34	34		PSI
(C) First Final Flow Pressure	86	86		PSI
(D) Initial Closed-in Pressure	800	800		PSI
(E) Second Initial Flow Pressure	77	77		PSI
(F) Second Final Flow Pressure	104	104		PSI
(G) Final Closed-in Pressure	789	789		PSI
(H) Final Hydrostatic Mud	1382	1382		PSI



DIAMOND TESTING

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

RECEIVED

AUG 13 2003

KCC WICHITA

ORIGINAL

Page 1 of 2 Pages

Company L.D. Drilling, Inc. Lease & Well No. Barrow No. 1

Elevation 1814 KB Formation Kansas City "L"/Conglomerate Sand Effective Pay --Ft. Ticket No. J1380

Date 7-15-03 Sec. 34 Twp. 19S Range 12W County Barton State Kansas

Test Approved By Kim B. Shoemaker Diamond Representative John C. Riedl

Formation Test No. 4 Interval Tested from 3,324 ft. to 3,367 ft. Total Depth 3,367 ft.

Packer Depth 3,319 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,324 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,327 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,364 ft. Recorder Number 13556 Cap. 5,475 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Duke Drilling Co., Inc. - Rig 9 Drill Collar Length -- ft. I.D. -- in.

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

Weight 9.1 Water Loss 10.0 cc. Drill Pipe Length 3,302 ft. I.D. 2 3/4 in.

Chlorides 7,000 P.P.M. Test Tool Length 22 ft. Tool Size 3 1/2 - IF in.

Bars: Make Bowen Serial Number Not Run Anchor Length 43 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 blow. Slowly building to 3 ins.

2nd Open: Weak blow. Slowly building to 3 ins.

Recovered 75 ft. of gas in pipe

Recovered 15 ft. of clean gassy oil = .111000 bbls. (Grind out: 10%-gas; 90%-oil) Gravity: 36 @ 60°

Recovered 30 ft. of gas cut muddy oil = .222000 bbls. (Grind out: 5%-gas; 25%-mud; 70%-oil)

Recovered 45 ft. of TOTAL FLUID = .333000 bbls.

Recovered ft. of

Remarks

Time Set Packer(s) 5:38 ~~PM~~ ^{A.M.} Time Started Off Bottom 8:38 ~~PM~~ ^{A.M.} Maximum Temperature 102°

Initial Hydrostatic Pressure (A) 1551 P.S.I.

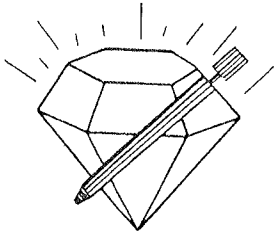
Initial Flow Period Minutes 30 (B) 18 P.S.I. to (C) 21 P.S.I.

Initial Closed In Period Minutes 45 (D) 805 P.S.I.

Final Flow Period Minutes 45 (E) 22 P.S.I. to (F) 30 P.S.I.

Final Closed In Period Minutes 60 (G) 771 P.S.I.

Final Hydrostatic Pressure (H) 1531 P.S.I.



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

FLUID SAMPLE DATA

Company L.D. Drilling, Inc.
 Lease & Well No. Barrow No. 1
 Date 7-15-03 Sec. 34 Twp. 19 S Range 12 W
 Formation Test No. 4 Interval Tested From 3,324 ft. to 3,367 ft. Total Depth 3,367 ft.
 Formation Kansas City "L"/Conglomerate Sand

	<u>MUD PIT</u>	<u>RECOVERY</u>
Viscosity	<u>51</u> CP	<u>--</u> CP
Weight	<u>9.1</u>	<u>--</u>
Water Loss	<u>10.0</u> CC	<u>--</u> CC
PH Factor	<u>10.5</u>	<u>--</u>

	<u>RESISTIVITY</u>	<u>CHLORIDE CONTENT</u>
Recovery Water	<u>--</u> @ <u>--</u> °F.	<u>--</u> ppm
Recovery Mud	<u>--</u> @ <u>--</u> °F.	<u>--</u> ppm
Recovery Mud Filtrate	<u>--</u> @ <u>--</u> °F.	<u>--</u> ppm
Mud Pit Sample	<u>1.00</u> @ <u>68</u> °F.	<u>6,500</u> ppm
Mud Pit Sample Filtrate	<u>.81</u> @ <u>72</u> °F.	<u>6,900</u> ppm

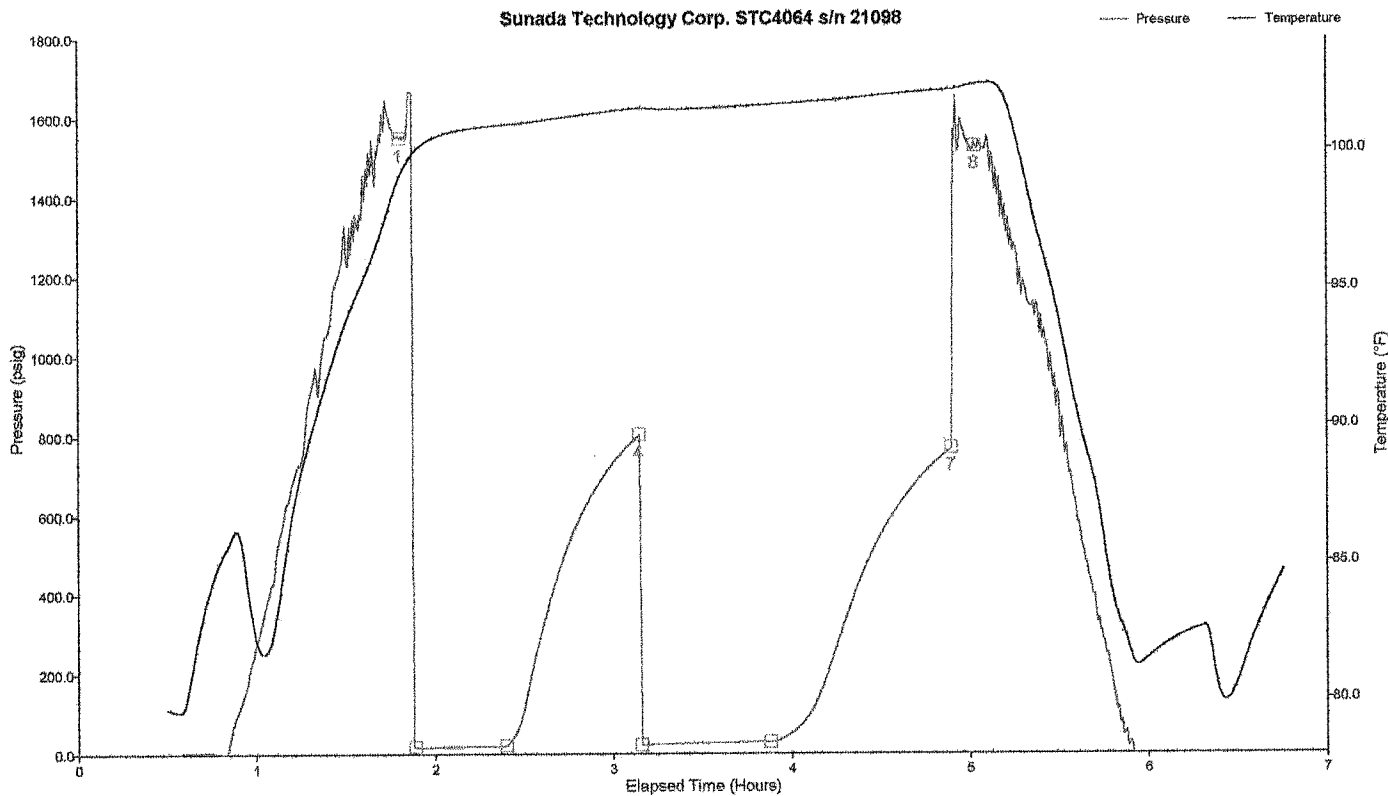
Sample Taken By JOHN C. RIEDL

Witness By Kim B. Shoemaker

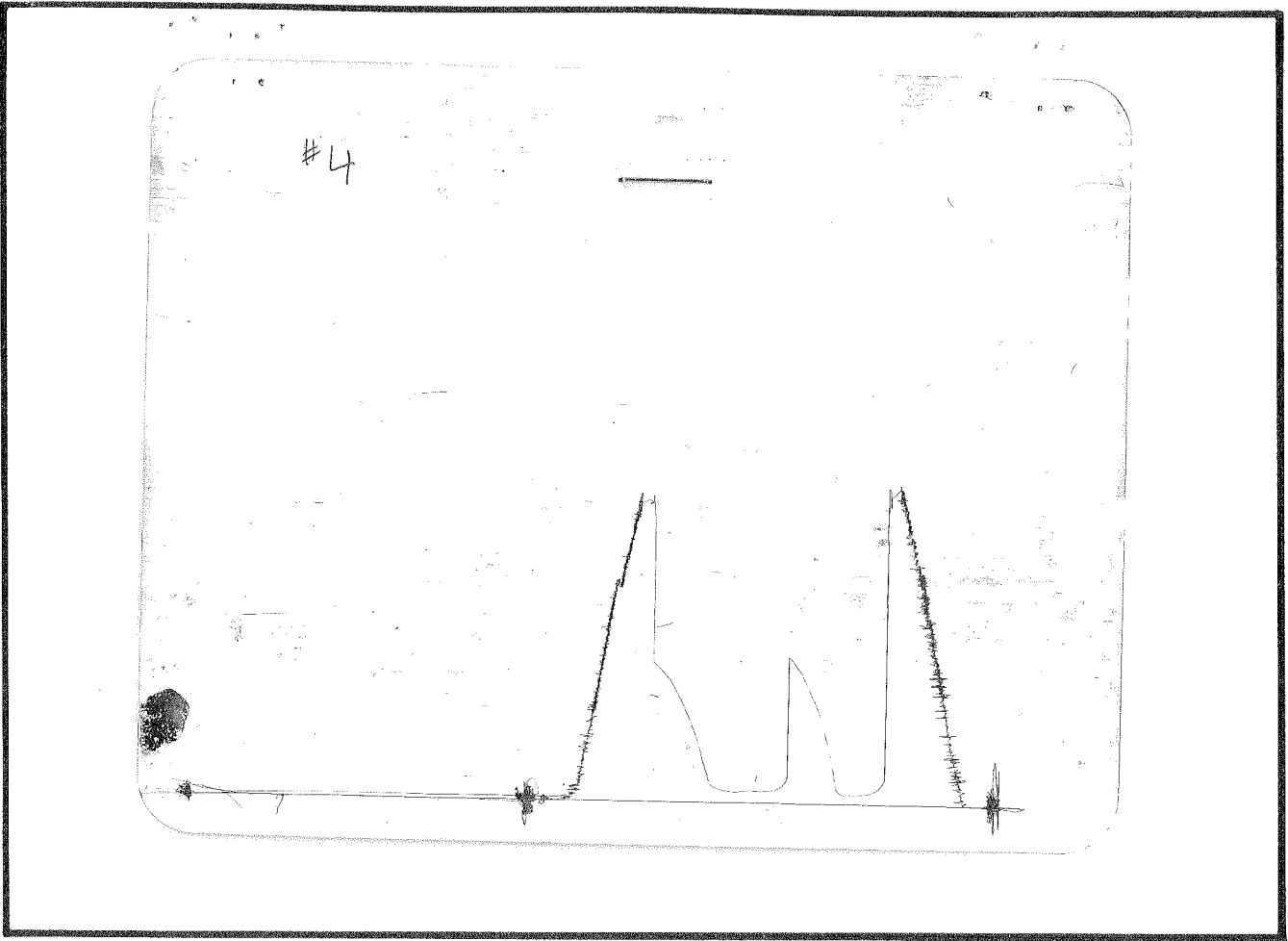
Remarks Pit filtrate triton dish chlorides were 7,000 Ppm.

Well LSD: DST 4 KC "L"+ CONG SAND 3324-3367
 Well Name: BARROW 1
 Company: L D DRILLING INC
 Battery on: Jul 15, 2003 at 03:45:00
 Notes: REC. 75'GIP 15'GO 30'GCMO

ORIGINAL

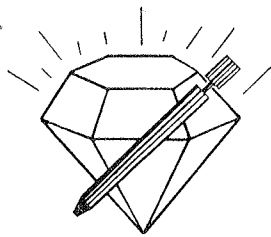


Tag	Pressure	Temperature	Comment
1	1550.74 psig	99.08 °F	2003-07-15 05:33:30
2	17.68 psig	99.97 °F	2003-07-15 05:38:30
3	21.17 psig	100.90 °F	2003-07-15 06:09:00
4	804.90 psig	101.49 °F	2003-07-15 06:54:00
5	22.15 psig	101.49 °F	2003-07-15 06:54:30
6	29.67 psig	101.61 °F	2003-07-15 07:38:00
7	770.51 psig	102.16 °F	2003-07-15 08:39:00
8	1530.74 psig	102.36 °F	2003-07-15 08:47:00



This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading			
(A) Initial Hydrostatic Mud	1551	1551		PSI
(B) First Initial Flow Pressure.....	18	18		PSI
(C) First Final Flow Pressure	21	21		PSI
(D) Initial Closed-in Pressure	805	805		PSI
(E) Second Initial Flow Pressure	22	22		PSI
(F) Second Final Flow Pressure.....	30	30		PSI
(G) Final Closed-in Pressure.....	771	771		PSI
(H) Final Hydrostatic Mud	1531	1531		PSI



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

RECEIVED

AUG 13 2003

KCC WICHITA

ORIGINAL

Page 1 of 2 Pages

Company L.D. Drilling, Inc. Lease & Well No. _____ Barrow No. 1

Elevation 1814 KB Formation Conglomerate Sand/Arbuckle Effective Pay -- Ft. Ticket No. J1381

Date 7-15-03 Sec. 34 Twp. 19S Range 12W County Barton State Kansas

Test Approved By Kim B. Shoemaker Diamond Representative John C. Riedl

Formation Test No. 5 Interval Tested from 3,348 ft. to 3,376 ft. Total Depth 3,376 ft.

Packer Depth 3,343 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,348 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) _____ 3,351 ft. Recorder Number _____ Elec. _____ Cap. 5,000 psi

Bottom Recorder Depth (Outside) _____ 3,373 ft. Recorder Number 13556 Cap. 5,475 psi

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi

Drilling Contractor Duke Drilling Co., Inc. - Rig 9 Drill Collar Length _____ ft. I.D. _____ in.

Mud Type Chemical Viscosity 45 Weight Pipe Length _____ ft. I.D. _____ in.

Weight 9.1 Water Loss 12.0 cc. Drill Pipe Length 3,326 ft. I.D. 2 3/4 in.

Chlorides 9,000 P.P.M. Test Tool Length 22 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 28 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 1/2 in., blow.

2nd Open: Weak, 2 in., blow.

Recovered 40 ft. of gas cut muddy oil = .296000 bbls. (Grind out: 10%-gas; 30%-mud; 60%-oil)

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks _____

Time Set Packer(s) 7:48 ~~XXXX~~ P.M. Time Started Off Bottom 9:48 ~~XXXX~~ P.M. Maximum Temperature 100°

Initial Hydrostatic Pressure (A) 1582 P.S.I.

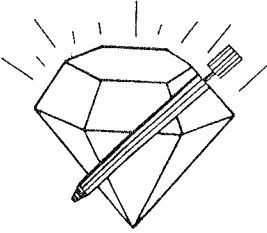
Initial Flow Period Minutes 30 (B) 16 P.S.I. to (C) 21 P.S.I.

Initial Closed In Period Minutes 30 (D) 536 P.S.I.

Final Flow Period Minutes 30 (E) 21 P.S.I. to (F) 27 P.S.I.

Final Closed In Period Minutes 30 (G) 398 P.S.I.

Final Hydrostatic Pressure (H) 1563 P.S.I.



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

FLUID SAMPLE DATA

Company L.D. Drilling, Inc.
 Lease & Well No. Barrow No. 1
 Date 7-15-03 Sec. 34 Twp. 19 S Range 12 W
 Formation Test No. 5 Interval Tested From 3,348 ft. to 3,376 ft. Total Depth 3,376 ft.
 Formation Conglomerate Sand/Arbuckle

	<u>MUD PIT</u>	<u>RECOVERY</u>
Viscosity	<u>45</u> CP	<u>--</u> CP
Weight	<u>9.1</u>	<u>--</u>
Water Loss	<u>12.0</u> CC	<u>--</u> CC
PH Factor	<u>9.5</u>	<u>--</u>

	<u>RESISTIVITY</u>	<u>CHLORIDE CONTENT</u>
Recovery Water	<u>-- @ -- °F.</u>	<u>--</u> ppm
Recovery Mud	<u>-- @ -- °F.</u>	<u>--</u> ppm
Recovery Mud Filtrate	<u>-- @ -- °F.</u>	<u>--</u> ppm
Mud Pit Sample	<u>.70 @ 70 °F.</u>	<u>10,000</u> ppm
Mud Pit Sample Filtrate	<u>.60 @ 75 °F.</u>	<u>11,000</u> ppm

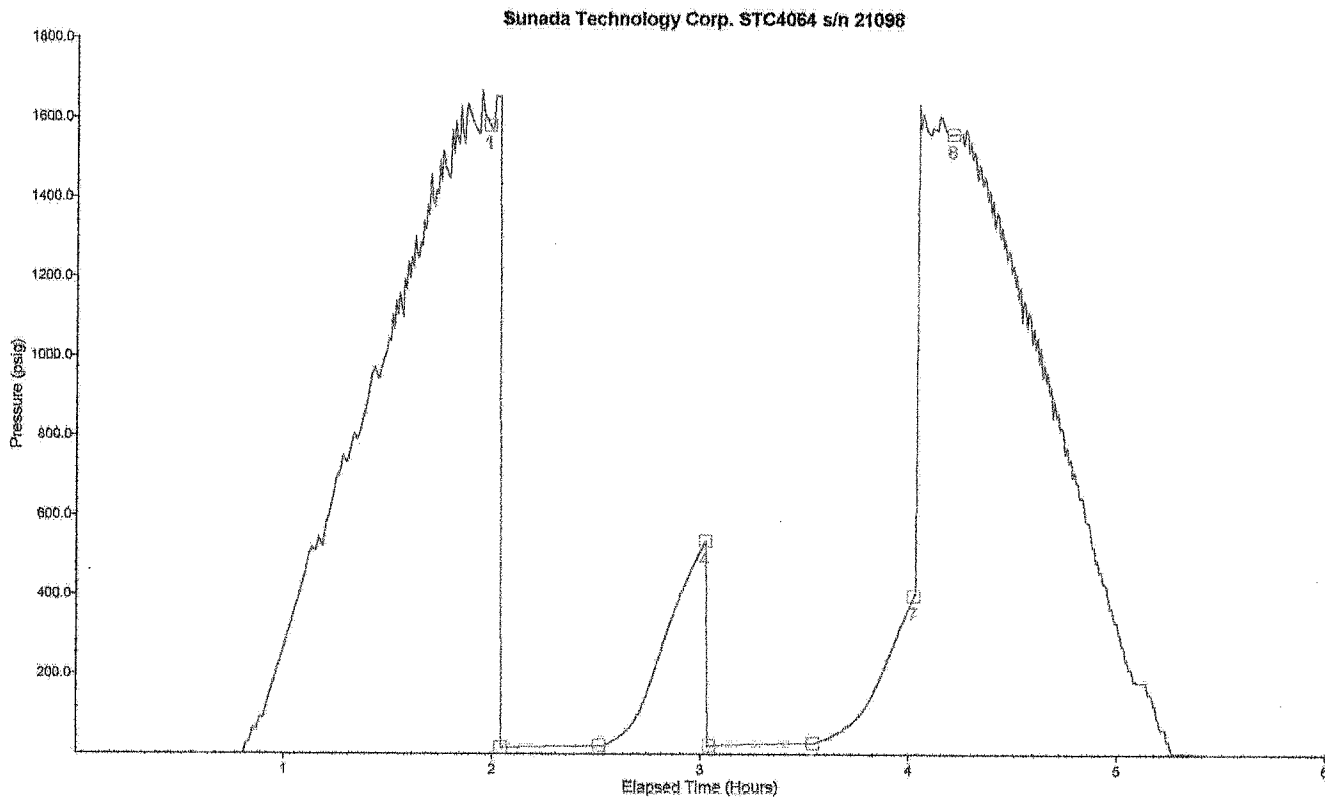
Sample Taken By JOHN C. RIEDL

Witness By Kim B. Shoemaker

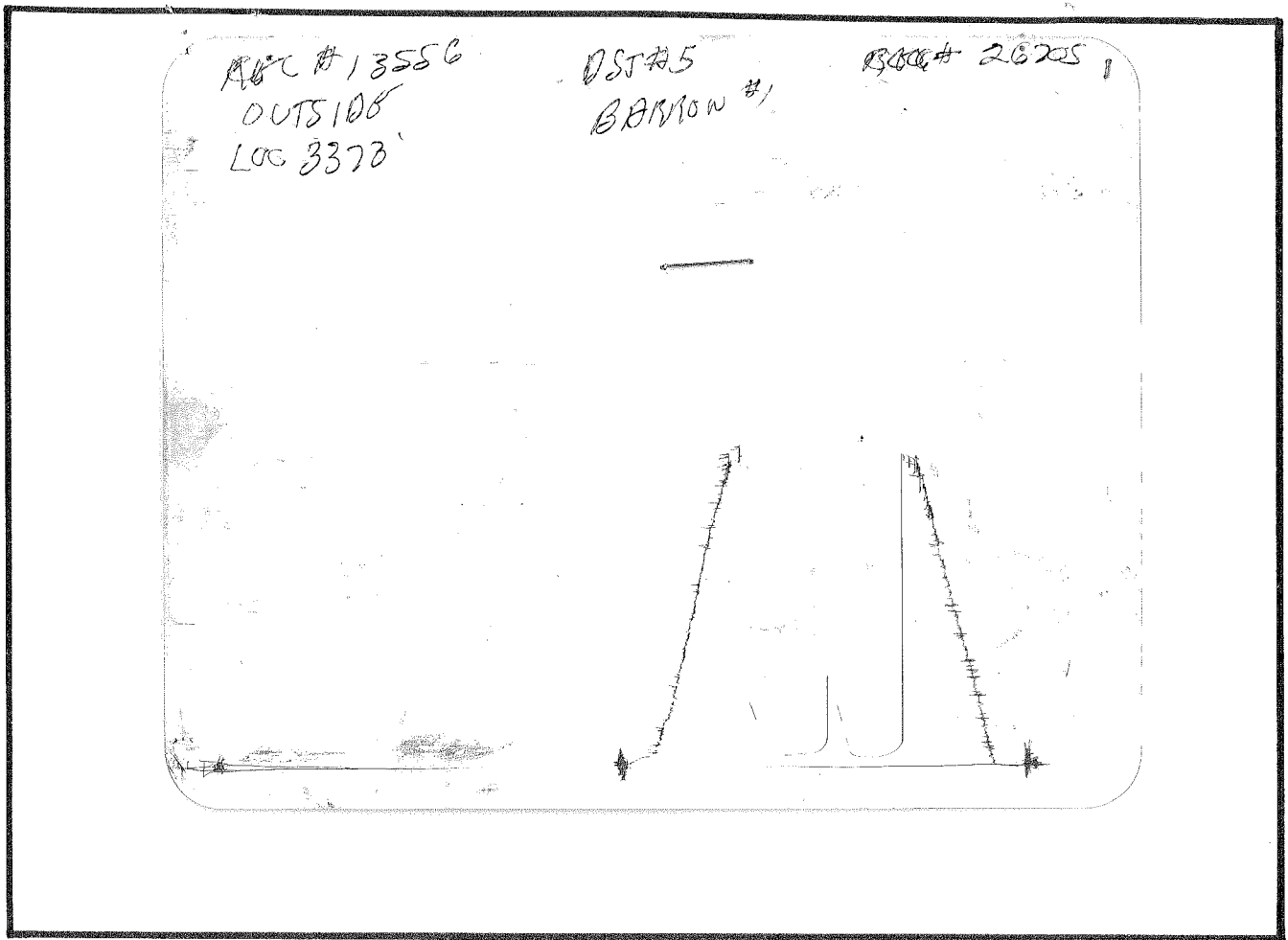
Remarks Pit filtrate triton dish chlorides were 9,000 Ppm

Well LSD: DST 5 CONG SAND + ARBUCKLE 3348=3376
 Well Name: BARROW 1
 Company: L D DRILLING INC
 Battery on: Jul 15, 2003 at 17:45:00
 Notes: REC. 40'GCMO

ORIGINAL

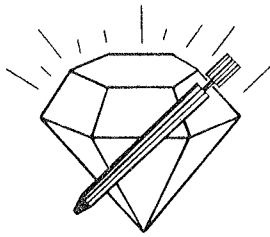


Tag	Pressure	Temperature	Comment
1	1581.66 psig	97.50 °F	2003-07-15 19:44:00
2	15.81 psig	97.93 °F	2003-07-15 19:47:30
3	21.05 psig	98.12 °F	2003-07-15 20:16:00
4	536.45 psig	98.31 °F	2003-07-15 20:46:30
5	21.31 psig	98.32 °F	2003-07-15 20:47:30
6	27.45 psig	98.53 °F	2003-07-15 21:17:30
7	398.32 psig	98.86 °F	2003-07-15 21:46:30
8	1563.10 psig	99.54 °F	2003-07-15 21:57:30



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Elec. Office Reading	
(A) Initial Hydrostatic Mud	1582	1582	PSI
(B) First Initial Flow Pressure.....	16	16	PSI
(C) First Final Flow Pressure	21	21	PSI
(D) Initial Closed-in Pressure	536	536	PSI
(E) Second Initial Flow Pressure	21	21	PSI
(F) Second Final Flow Pressure.....	27	27	PSI
(G) Final Closed-in Pressure	398	398	PSI
(H) Final Hydrostatic Mud	1563	1563	PSI



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

RECEIVED
AUG 13 2003
KCC WICHITA
ORIGINAL Page 1 of 2 Pages

Company L.D. Drilling, Inc. Lease & Well No. Barrow No. 1

Elevation 1814 KB Formation Arbuckle Effective Pay -- Ft. Ticket No. J1382

Date 7-16-03 Sec. 34 Twp. 19S Range 12W County Barton State Kansas

Test Approved By Kim B. Shoemaker Diamond Representative John C. Riedl

Formation Test No. 6 Interval Tested from 3,371 ft. to 3,390 ft. Total Depth 3,390 ft.

Packer Depth 3,366 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,371 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,374 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,387 ft. Recorder Number 13556 Cap. 5,475 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Duke Drilling Co., Inc. - Rig 9 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 48 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.1 Water Loss 11.0 cc. Drill Pipe Length 3,349 ft. I.D. 2 3/4 in.

Chlorides 11,000 P.P.M. Test Tool Length 22 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 19 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: Initial packer failure. Seated on 2nd attempt. Weak blow. Dead in 10 mins.

2nd Open: No blow. Flushed tool & received weak surge & then died.

Recovered 280 ft. of drilling mud with a show of oil in tool = 2.072000 bbls.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks

Time Set Packer(s) 7:22 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 8:17 ~~P.M.~~ ^{A.M.} Maximum Temperature 99°

Initial Hydrostatic Pressure (A) 1588 P.S.I.

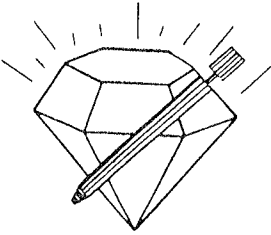
Initial Flow Period Minutes 15 (B) 154 P.S.I. to (C) 159 P.S.I.

Initial Closed In Period Minutes 30 (D) 882 P.S.I.

Final Flow Period Minutes 5 (E) 152 P.S.I. to (F) 162 P.S.I.

Final Closed In Period Minutes 5 (G) 163 P.S.I.

Final Hydrostatic Pressure (H) 1564 P.S.I.



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

FLUID SAMPLE DATA

Company L.D. Drilling, Inc.
Lease & Well No. Barrow No. 1
Date 7-16-03 Sec. 34 Twp. 19 S Range 12 W
Formation Test No. 6 Interval Tested From 3,371 ft. to 3,390 ft. Total Depth 3,390 ft.
Formation Arbuckle

	<u>MUD PIT</u>	<u>RECOVERY</u>
Viscosity	<u>48</u> CP	<u>45</u> CP
Weight	<u>9.1</u>	<u>9.0</u>
Water Loss	<u>11.0</u> CC	<u>13.0</u> CC
PH Factor	<u>10.5</u>	<u>10.5</u>

	<u>RESISTIVITY</u>	<u>CHLORIDE CONTENT</u>
Recovery Water	<u>--</u> @ <u>--</u> °F.	<u>--</u> ppm
Recovery Mud	<u>.60</u> @ <u>70</u> °F.	<u>12,000</u> ppm
Recovery Mud Filtrate	<u>.60</u> @ <u>70</u> °F.	<u>12,000</u> ppm
Mud Pit Sample	<u>.55</u> @ <u>70</u> °F.	<u>12,000</u> ppm
Mud Pit Sample Filtrate	<u>.60</u> @ <u>70</u> °F.	<u>10,000</u> ppm

Sample Taken By JOHN C. RIEDL

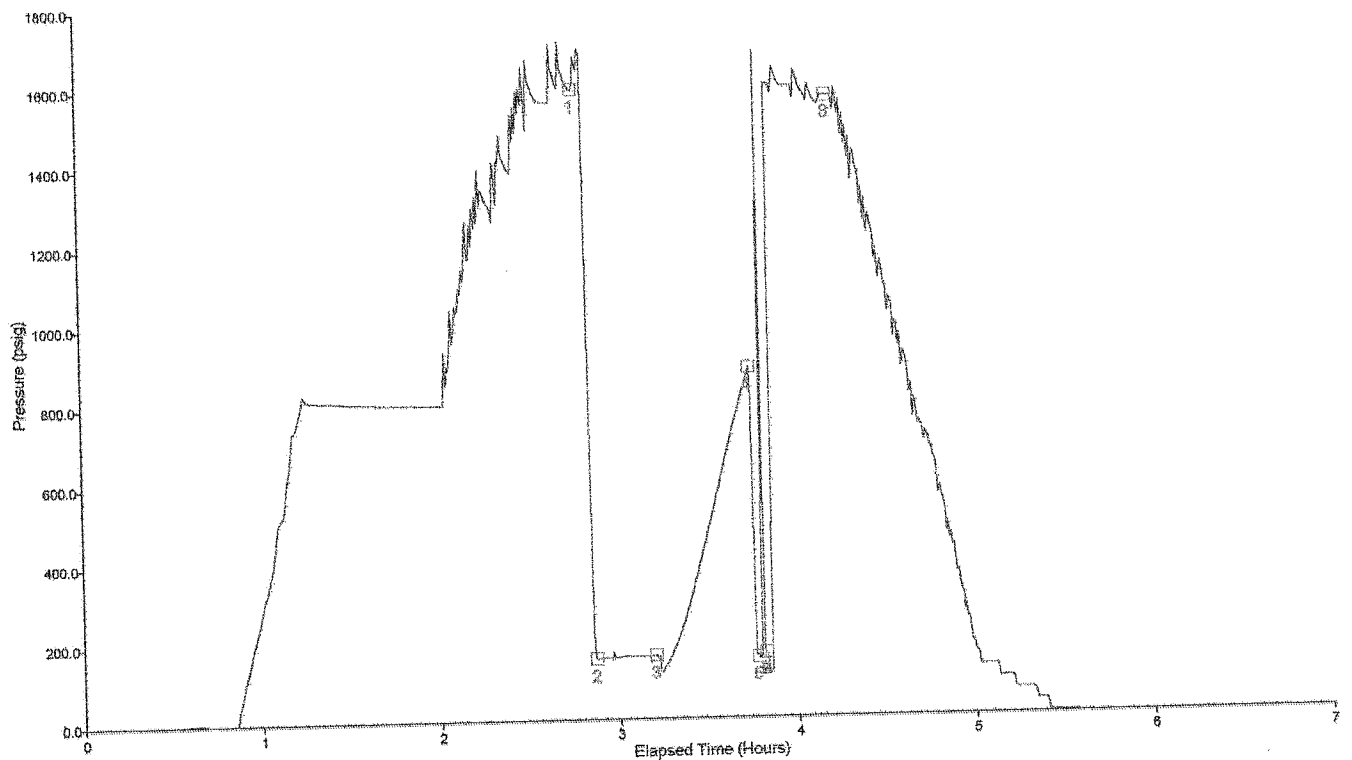
Witness By Kim B. Shoemaker

Remarks Pit filtrate triton dish chlorides were 11,000 Ppm
Recovery filtrate triton dish chlorides were 12,000 Ppm

Well LSD: DST 6 ARBUCKLE 3371-3390
 Well Name: BARROW 1
 Company: L D DRILLING INC
 Battery on: Jul 16, 2003 at 04:30:00
 Notes: REC. 280' DRILLING MUD [OIL SHOW IN TOOL]

ORIGINAL

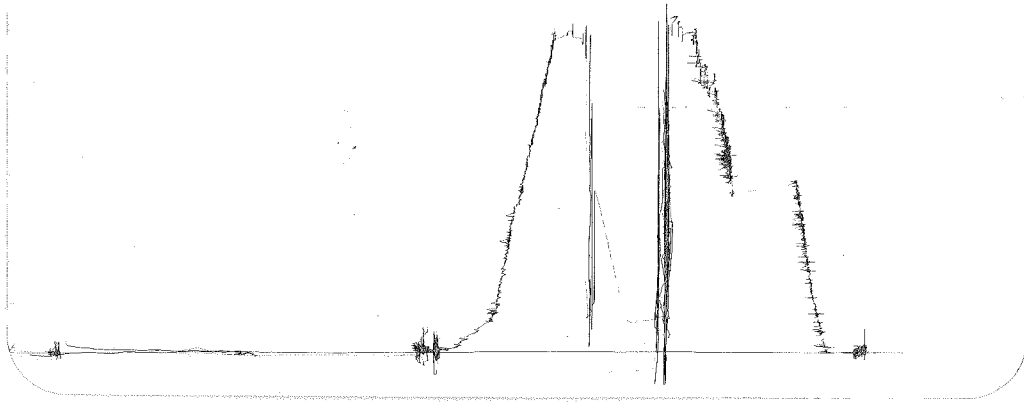
Sunada Technology Corp. STC4064 s/n 21098



Tag	Pressure	Temperature	Comment
1	1588.51 psig	95.97 °F	2003-07-16 07:17:00
2	154.12 psig	96.79 °F	2003-07-16 07:22:30
3	159.35 psig	98.96 °F	2003-07-16 07:42:30
4	882.02 psig	98.55 °F	2003-07-16 08:15:00
5	151.69 psig	98.55 °F	2003-07-16 08:17:00
6	162.55 psig	98.55 °F	2003-07-16 08:19:30
7	162.55 psig	98.55 °F	2003-07-16 08:19:30
8	1564.32 psig	99.01 °F	2003-07-16 08:42:30

ROE#13556 OUTSIDE DST#6
 LO. 5387' BARRON #1

C65CH#26705



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Elec. Office Reading	
(A) Initial Hydrostatic Mud	1588	1589	PSI
(B) First Initial Flow Pressure.....	154	154	PSI
(C) First Final Flow Pressure	159	159	PSI
(D) Initial Closed-in Pressure	882	882	PSI
(E) Second Initial Flow Pressure	152	152	PSI
(F) Second Final Flow Pressure.....	162	163	PSI
(G) Final Closed-in Pressure.....	163	163	PSI
(H) Final Hydrostatic Mud.....	1564	1564	PSI