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MAR 27 2004
KCC WICHITA

DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544 MAR 19 2004 Page 1 of 3 Pages
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STC 21076.D43

KCC ORIGINAL

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Company Mull Drilling Company, Inc. Lease & Well No. Haddon No. 1-35

Elevation 1876 KB Formation Lansing "A-F" Effective Pay --- Ft. Ticket No. 1823

Date 1-7-04 Sec. 35 Twp. 20S Range 13W County Barton State Kansas

Test Approved By Roger Martin Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 3,239 ft. to 3,328 ft. Total Depth 3,328 ft.

Packer Depth 3,234 ft. Size 6 3/4 in. Packer Depth --- ft. Size --- in.

Packer Depth 3,329 ft. Size 6 3/4 in. Packer Depth --- ft. Size --- in.

Depth of Selective Zone Set --- ft.

Top Recorder Depth (Inside) 3,227 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,325 ft. Recorder Number 13386 Cap. 4,000 psi

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

Drilling Contractor Sterling Drilling Company - Rig 1 Drill Collar Length 243 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 51 Weight Pipe Length --- ft. I.D. --- in.

Weight 9.15 Water Loss 8.0 cc. Drill Pipe Length 2,971 ft. I.D. 3 1/2 in.

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

Jars: Make Bowen Serial Number Not Run Anchor Length 27' 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, 1/2 in., blow increasing to 8 3/4 ins. No blow back during shut-in.

2nd Open: Fair, 2 in., blow increasing. Off bottom of bucket in 6 mins. Weak, 1/2 in., blow back during shut-in.
Died in 30 mins.

Recovered 485 ft. of gas in pipe

Recovered 135 ft. of oil & gas cut mud = .664200 bbls. (Grind out: 6%-oil; 11%-gas; 83%-mud)

Recovered 60 ft. of oil & gas cut watery mud = .295200 bbls. (Grind out: 6%-oil; 16%-gas; 20%-water; 58%-mud)

Recovered 195 ft. of TOTAL FLUID = .959400 bbls.

Recovered --- ft. of ---

Remarks Tool Sample Grind Out: 3%-gas; 14%-oil; 24%-water; 59%-mud

Time Set Packer(s) 7:05 ~~XXM.~~ P.M. Time Started Off Bottom 11:05 ~~XXM.~~ P.M. Maximum Temperature 98°

Initial Hydrostatic Pressure (A) 1514 P.S.I.

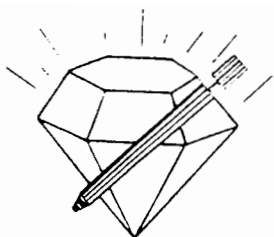
Initial Flow Period Minutes 15 (B) 4 P.S.I. to (C) 42 P.S.I.

Initial Closed In Period Minutes 45 (D) 824 P.S.I.

Final Flow Period Minutes 60 (E) 48 P.S.I. to (F) 106 P.S.I.

Final Closed In Period Minutes 120 (G) 837 P.S.I.

Final Hydrostatic Pressure (H) 1511 P.S.I.



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FLUID SAMPLE DATA

Company Mull Drilling Company, Inc.

Lease & Well No. Haddon No. 1-35

Date 1-7-04 Sec. 35 Twp. 20 S Range 13 W

Formation Test No. 1 Interval Tested From 3,239 ft. to 3,328 ft. Total Depth 3,328 ft.

Formation Lansing "A-F"

	MUD PIT	RECOVERY	
Viscosity	<u>51</u> CP	<u>--</u> CP	
Weight	<u>9.15</u>	<u>--</u>	
Water Loss	<u>8.0</u> CC	<u>--</u> CC	
PH Factor	<u>11.5</u>	<u>--</u>	Water <u>9.5</u>

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	RESISTIVITY	CHLORIDE CONTENT
Recovery Water	<u>.58</u> @ <u>58</u> °F. <u>16,000</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>.76</u> @ <u>78</u> °F. <u>7,500</u> ppm	
Mud Pit Sample Filtrate	<u>1.00</u> @ <u>64</u> °F. <u>6,800</u> ppm	

Sample Taken By ROGER D. FRIEDLY

Witness By Roger Martin

Remarks Pit filtrate triton dish chlorides were 3,500 Ppm
Recovery water dish chlorides were 9,000 Ppm

GENERAL INFORMATION

Client Information:

Company: MULL DRILLING CO., INC.
Contact: MARK A. SHREVE & RICK SAENGER
Phone: 316-264-6366 Fax: e-mail:

Site Information:

Contact: ROGER MARTIN
Phone: Fax: e-mail:

Well Information:

Name: HADDON # 1-35
Operator: MULL DRILLING CO., INC.
Location-Downhole: DST #1 LANS 'A-F' 3239'-3328'
Location-Surface: 1840' FSL & 1470' FEL SEC 35-20S-13W, BARTON COUNTY

Test Information:

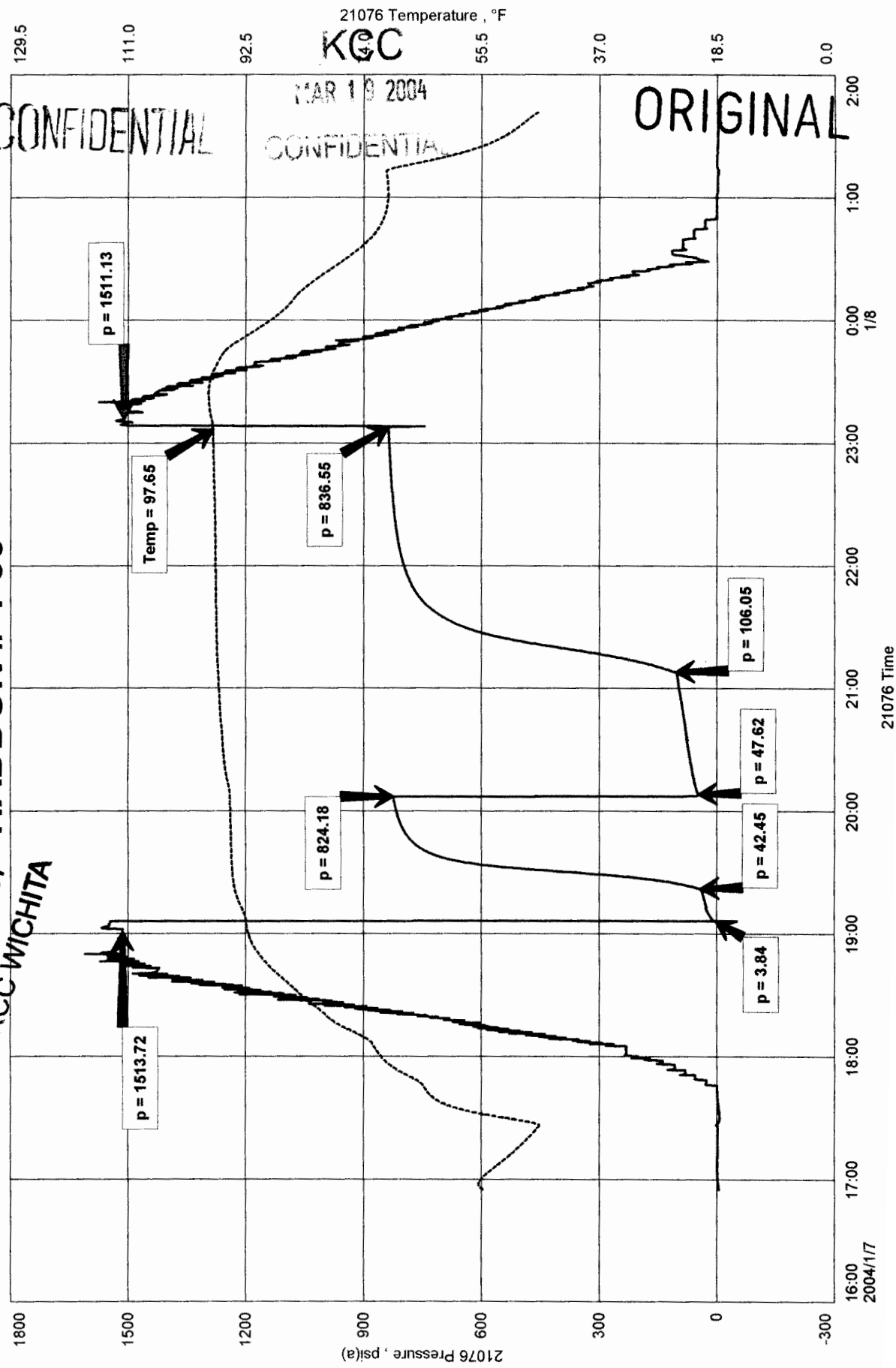
Company:	DIAMOND TESTING		
Representative:	ROGER D. FRIEDLY		
Supervisor:	ROGER MARTIN		
Test Type:	CONVENTIONAL	Job Number:	
Test Unit:	NO 1		
Start Date:	2004/01/07	Start Time:	16:54:00
End Date:	2004/01/08	End Time:	01:41:00
Report Date:		Prepared By:	
<u>Remarks:</u>		Qualified By:	

RECOVERED 135' O&GCM (6% OIL, 11% GAS, 83% MUD, 60' O&GCWM
(6% OIL, 16% GAS, 20% WTR, 58% MUD) WITH 485' GAS IN PIPE.

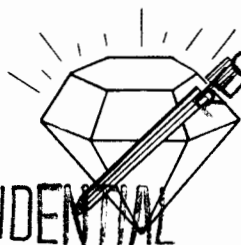
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HADDON # 1-35
Formation: LANS 'A-F' 3239'-3328'



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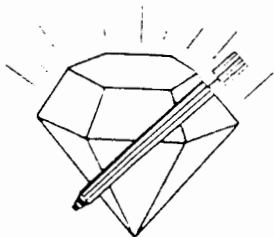
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Page 1 of 3 Pages

Company Mull Drilling Company, Inc. Lease & Well No. Haddon No. 1-35
Elevation 1876 KB Formation Kansas City "H-J" Effective Pay -- Ft. Ticket No. 1824
Date 1-8-04 Sec. 35 Twp. 20S Range 13W County Barton State Kansas
Test Approved By Roger Martin Diamond Representative Roger D. Friedly
Formation Test No. 2 Interval Tested from 3,366 ft. to 3,425 ft. Total Depth 3,425 ft.
Packer Depth 3,361 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 3,366 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set -- ft.
Top Recorder Depth (Inside) 3,354 ft. Recorder Number Elec. Cap. 5,000 psi
Bottom Recorder Depth (Outside) 3,422 ft. Recorder Number 13386 Cap. 4,000 psi
Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. -- psi
Drilling Contractor Sterling Drilling Company - Rig 1 Drill Collar Length 243 ft. I.D. 2 1/4 in.
Mud Type Chemical Viscosity 53 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.25 Water Loss 8.0 cc. Drill Pipe Length 3,098 ft. I.D. 3 1/2 in.
Chlorides 6,000 P.P.M. Test Tool Length 25 ft. Tool Size 3 1/2 - IF in.
Jars: Make Bowen Serial Number Not Run Anchor Length 27' perf. w/32' 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 1/2 in. No blow back during shut-in.
2nd Open: Weak, 1/2 in., blow increasing to 5 in. No blow back during shut-in.
Recovered 200 ft. of gas in pipe
Recovered 15 ft. of gas & oil cut mud = .073800 bbls. (Grind out: 3%-gas; 9%-oil; 88%-mud)
Recovered 15 ft. of TOTAL FLUID = .073800 bbls.
Recovered -- ft. of
Recovered -- ft. of
Remarks Tool Sample Grind Out: 1%-gas; 17%-oil; 82%-mud

Time Set Packer(s) 4:52 ~~XXX~~ P.M. Time Started Off Bottom 8:52 ~~XXX~~ P.M. Maximum Temperature 99°
Initial Hydrostatic Pressure (A) 1572 P.S.I.
Initial Flow Period Minutes 15 (B) 7 P.S.I. to (C) 14 P.S.I.
Initial Closed In Period Minutes 45 (D) 340 P.S.I.
Final Flow Period Minutes 60 (E) 18 P.S.I. to (F) 25 P.S.I.
Final Closed In Period Minutes 120 (G) 330 P.S.I.
Final Hydrostatic Pressure (H) 1582 P.S.I.



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FLUID SAMPLE DATA

Company Mull Drilling Company, Inc.

Lease & Well No. Haddon No. 1-35

Date 1-8-04 Sec. 35 Twp. 20 S Range 13 W

Formation Test No. 2 Interval Tested From 3,366 ft. to 3,425 ft. Total Depth 3,425 ft.

Formation Kansas City "H-J"

	<u>MUD PIT</u>	<u>RECOVERY</u>
Viscosity	<u>53</u> CP	<u>--</u> CP
Weight	<u>9.25</u>	<u>--</u>
Water Loss	<u>8.0</u> CC	<u>--</u> CC
PH Factor	<u>11.0</u>	<u>--</u>

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	<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>.63</u> @ <u>70</u> °F. <u>10,500</u> ppm	
Mud Pit Sample Filtrate	<u>.72</u> @ <u>72</u> °F. <u>9,000</u> ppm	

Sample Taken By ROGER D. FRIEDLY

Witness By Roger Martin

Remarks Pit filtrate triton dish chlorides were 6,000 Ppm

GENERAL INFORMATION

Client Information:

Company: MULL DRILLING CO., INC.
Contact: MARK A. SHREVE & RICK SAENGER
Phone: 316-264-6366 Fax: e-mail:

Site Information:

Contact: ROGER MARTIN
Phone: Fax: e-mail:

Well Information:

Name: HADDON # 1-35
Operator: MULL DRILLING CO., INC.
Location-Downhole: DST #2 KC "H-J" 3366'-3425'
Location-Surface: 1840' FSL & 1470' FEL, SEC 35-20S-13W, BARTON, COUNTY

Test Information:

Company:	DIAMOND TESTING	
Representative:	ROGER D. FRIEDLY	
Supervisor:	ROGER MARTIN	
Test Type:	CONVENTIONAL	Job Number:
Test Unit:	NO 1	
Start Date:	2004/01/08	Start Time: 15:01:00
End Date:	2004/01/08	End Time: 22:50:30
Report Date:		Prepared By:
<u>Remarks:</u>		Qualified By:

RECOVERED 200' GAS IN PIPE, 15' G&OCM (3% GAS, 9% OIL 88% MUD)

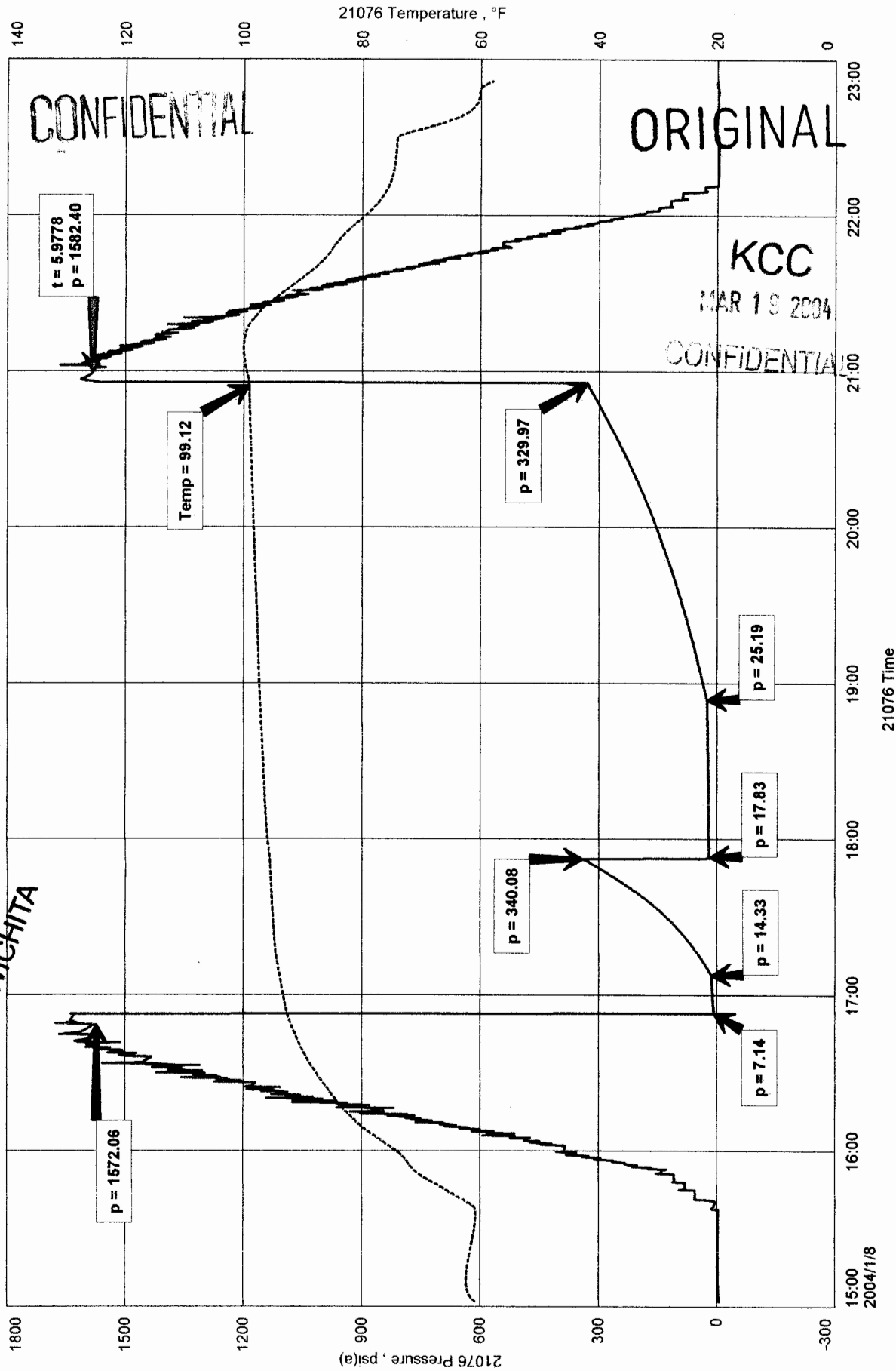
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MULL DRILLING CO., INC.
DST #2 KC "H-J" 3366'-3425'
Start Test Date: 2004/01/08
Final Test Date: 2004/01/08

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HADDON # 1-35

HADDON # 1-35
Formation: DST #2 KC "H-J" 3366'-3425'





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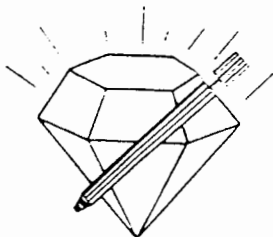
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STC 21076.D45

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MAR 19 2004

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Page 1 of 3 Pages

Company Mull Drilling Company, Inc. Lease & Well No. Haddon No. 1-35Elevation 1876 KB Formation Kansas City "K - L" Effective Pay Ft. Ticket No. 1825Date 1-9-04 Sec. 35 Twp. 20S Range 13W County Barton State KansasTest Approved By Roger Martin Diamond Representative Roger D. FriedlyFormation Test No. 3 Interval Tested from 3,425 ft. to 3,480 ft. Total Depth 3,480 ft.Packer Depth 3,420 ft. Size 6 3/4 in. Packer Depth ft. Size in.Packer Depth 3,425 ft. Size 6 3/4 in. Packer Depth ft. Size in.Depth of Selective Zone Set ft.Top Recorder Depth (Inside) 3,413 ft. Recorder Number Elec. Cap. 5,000 psiBottom Recorder Depth (Outside) 3,477 ft. Recorder Number 13386 Cap. 4,000 psiBelow Straddle Recorder Depth ft. Recorder Number Cap. psiDrilling Contractor Sterling Drilling Company - Rig 1 Drill Collar Length 243 ft. I.D. 2 1/4 in.Mud Type Chemical Viscosity 51 Weight Pipe Length ft. I.D. in.Weight 9.15 Water Loss 8.0 cc. Drill Pipe Length 3,157 ft. I.D. 3 1/2 in.Chlorides 6,000 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' 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 in 5 mins. Good, 6 1/2 in., blow back during shut-in.2nd Open: Strong blow. Off bottom of bucket in 5 mins. Good, 6 1/2 in., blow back during shut-in.Recovered 870 ft. of gas in pipeRecovered 362 ft. of clean gassy oil = 5.140400 bbls. Gravity: 42 @ 60°Recovered 258 ft. of gas & heavy oil cut mud = 1.408560 bbls. (Grind out: 3%-gas; 22%-oil; 75%-mud)Recovered 620 ft. of TOTAL FLUID = 6.548960 bbls.Recovered ft. of Remarks Tool Sample Grind Out: 2%-gas; 46%-oil; 52%-mudTime Set Packer(s) 11:40 AM Time Started Off Bottom 3:20 PM Maximum Temperature 102°Initial Hydrostatic Pressure (A) 1620 P.S.I.Initial Flow Period 10 Minutes (B) 28 P.S.I. to (C) 122 P.S.I.Initial Closed In Period 30 Minutes (D) 969 P.S.I.Final Flow Period 60 Minutes (E) 133 P.S.I. to (F) 237 P.S.I.Final Closed In Period 120 Minutes (G) 817 P.S.I.Final Hydrostatic Pressure (H) 1603 P.S.I.



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FLUID SAMPLE DATA

Company Mull Drilling Company, Inc.

Lease & Well No. Haddon No. 1-35

Date 1-9-04 Sec. 35 Twp. 20 S Range 13 W

Formation Test No. 3 Interval Tested From 3,425 ft. to 3,480 ft. Total Depth 3,480 ft.

Formation Kansas City "K-L"

	<u>MUD PIT</u>	<u>RECOVERY</u>
Viscosity	<u>51</u> CP	<u>--</u> CP
Weight	<u>9.15</u>	<u>--</u>
Water Loss	<u>8.0</u> CC	<u>--</u> CC
PH Factor	<u>11.0</u>	<u>--</u>

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	<u>RESISTIVITY</u>	<u>CHLORIDE CONTENT</u>
Recovery Water	<u>-- @ -- °F.</u>	<u>-- ppm</u>
Recovery Mud	<u>-- @ -- °F.</u>	<u>-- ppm</u>
Recovery Mud Filtrate	<u>-- @ -- °F.</u>	<u>-- ppm</u>
Mud Pit Sample	<u>.68 @ 72 °F.</u>	<u>10,000 ppm</u>
Mud Pit Sample Filtrate	<u>.76 @ 70 °F.</u>	<u>9,000 ppm</u>

Sample Taken By ROGER D. FRIEDLY

Witness By Roger Martin

Remarks Pit filtrate triton dish chlorides were 6,000 Ppm

GENERAL INFORMATION

Client Information:

Company: MULL DRILLING CO., INC.
Contact: MARK A. SHREVE & RICK SAENGER
Phone: 316-264-6366 Fax: e-mail:

Site Information:

Contact: ROGER MARTIN
Phone: Fax: e-mail:

Well Information:

Name: HADDON #1-35
Operator: MULL DRILLING CO., INC.
Location-Downhole: DST #3 KC "K-L" 3425'-3480'
Location-Surface: 1840' FSL & 1470' FEL, SEC 35-20S-13W, BARTON, COUNTY

Test Information:

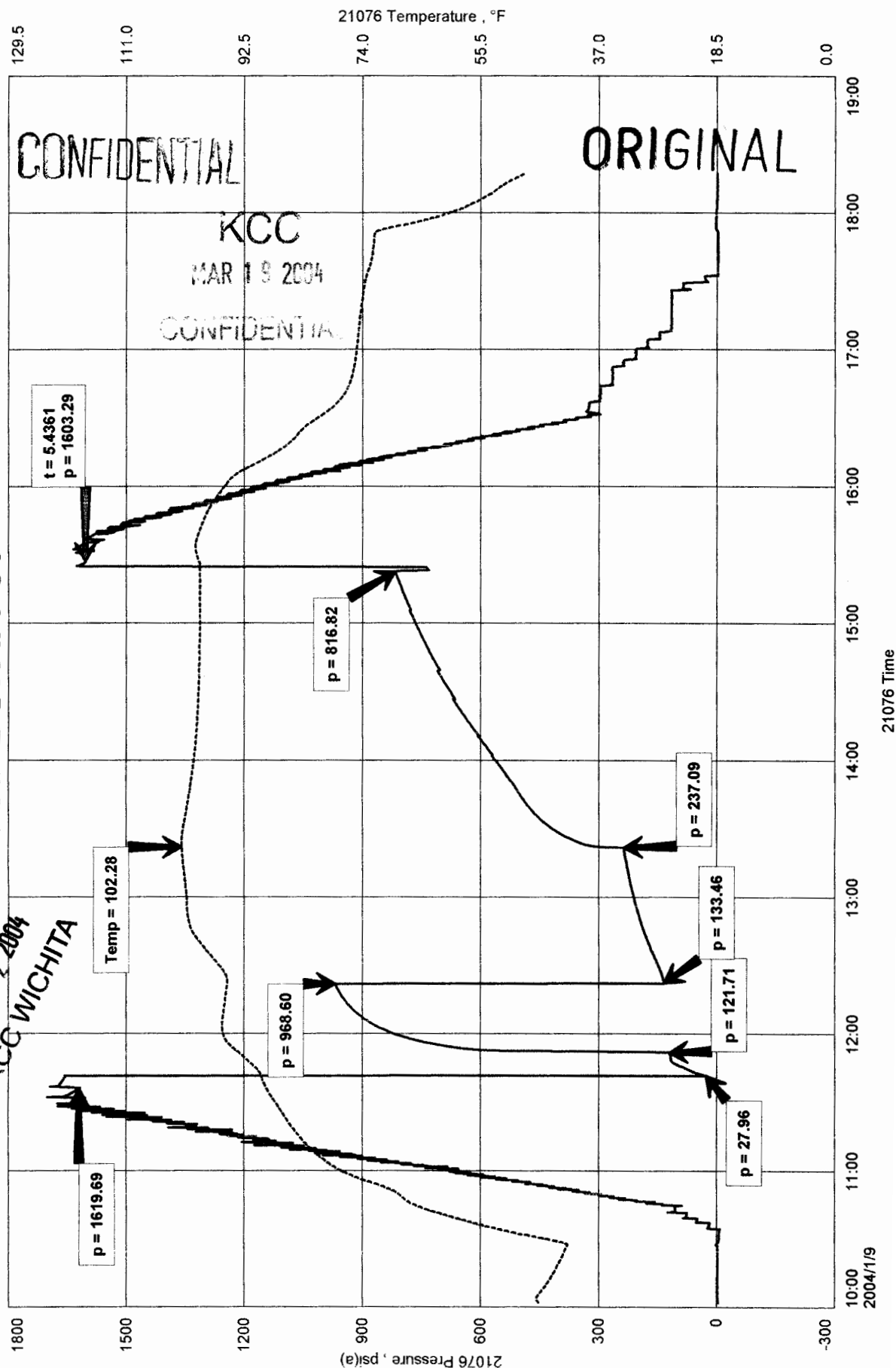
Company:	DIAMOND TESTING	
Representative:	ROGER D. FRIEDLY	
Supervisor:	ROGER MARTIN	
Test Type:	CONVENTIONAL	Job Number:
Test Unit:	NO 1	
Start Date:	2004/01/09	Start Time: 10:01:00
End Date:	2004/01/09	End Time: 18:17:10
Report Date:		Prepared By:
<u>Remarks:</u>		Qualified By:

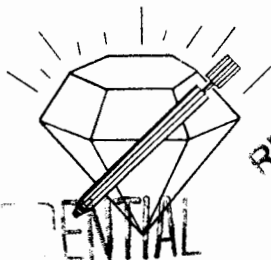
RECOVERED 870' GAS IN PIPE, 362' CGO (42 GRAV. @ 60 deg) 258' G&HOCM
(3% GAS, 22% OIL 52% MUD)

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HADDON #1-35





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Company Mull Drilling Company, Inc. Lease & Well No. Haddon No. 1-35

Elevation 1876 KB Formation Arbuckle Effective Pay Ft. Ticket No. 1826

Date 1-10-04 Sec. 35 Twp. 20S Range 13W County Barton State Kansas

Test Approved By Roger Martin Diamond Representative Roger D. Friedly

Formation Test No. 4 Interval Tested from 3,467 ft. to 3,548 ft. Total Depth 3,548 ft.

Packer Depth 3,462 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 3,467 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,448 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,545 ft. Recorder Number 13386 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Sterling Drilling Company - Rig 1 Drill Collar Length 243 ft. I.D. 2 1/4 in.

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

Weight 9.15 Water Loss 8.0 cc. Drill Pipe Length 3,192 ft. I.D. 3 1/2 in.

Chlorides 7,500 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number No. 1 Anchor Length 50' 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 in 5 mins. Fair, 2 1/2 in., blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 6 1/2 mins. Good, 7 1/2 in., blow back during shut-in.

Recovered 550 ft. of gas in pipe

Recovered 78 ft. clean gassy oil = 1.107600 bbls. Gravity: 41 @ 60°

Recovered 169 ft. of gas cut muddy oil = 2.399800 bbls. (Grind out: 5%-gas; 21%-mud; 74%-oil)

Recovered 78 ft. of oil & water cut gassy mud = 1.107600 bbls. (Grind out: 9%-oil; 13%-water; 28%-gas; 50%-mud)

Recovered 243 ft. of oil & gas cut watery mud = 1.195560 bbls. (Grind out: 10%-oil; 21%-gas; 32%-water; 37%-mud;

Recovered 568 ft. of TOTAL FLUID = 5.810560 bbls. Bottom stand: 44%-water)

Remarks Tool Sample Grind Out: 8%-gas; 22%-oil; 30%-water; 40%-mud

Time Set Packer(s) 9:19 A.M. Time Started Off Bottom 12:59 P.M. Maximum Temperature 101°

Initial Hydrostatic Pressure 1628 P.S.I.

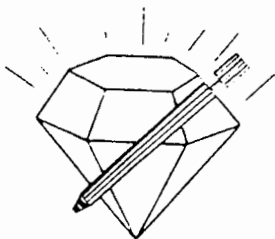
Initial Flow Period 10 Minutes (B) 29 P.S.I. to (C) 111 P.S.I.

Initial Closed In Period 30 Minutes (D) 1100 P.S.I.

Final Flow Period 60 Minutes (E) 123 P.S.I. to (F) 247 P.S.I.

Final Closed In Period 120 Minutes (G) 897 P.S.I.

Final Hydrostatic Pressure 1617 P.S.I.



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FLUID SAMPLE DATA

Company Mull Drilling Company, Inc.

Lease & Well No. Haddon No. 1-35

Date 1-10-04 Sec. 35 Twp. 20 S Range 13 W

Formation Test No. 4 Interval Tested From 3,467 ft. to 3,548 ft. Total Depth 3,548 ft.

Formation Arbuckle

	<u>MUD PIT</u>	<u>RECOVERY</u>	
Viscosity	<u>48</u> CP	<u>--</u> CP	
Weight	<u>9.15</u>	<u>--</u>	
Water Loss	<u>8.0</u> CC	<u>--</u> CC	
PH Factor	<u>11.0</u>	<u>--</u>	Water <u>7.0</u>

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	<u>RESISTIVITY</u>	<u>CHLORIDE CONTENT</u>
Recovery Water	<u>.50</u> @ <u>59</u> °F.	<u>15,500</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>.67</u> @ <u>60</u> °F.	<u>10,500</u> ppm
Mud Pit Sample Filtrate	<u>.77</u> @ <u>52</u> °F.	<u>10,800</u> ppm

Sample Taken By ROGER D. FRIEDLY

Witness By Roger Martin

Remarks Pit filtrate triton dish chlorides were 7,500 Ppm
Recovery water dish chlorides were 13,000 Ppm

GENERAL INFORMATION

Client Information:

Company: MULL DRILLING CO., INC.
 Contact: MARK A. SHREVE & RICK SAENGER
 Phone: 316-264-6366 Fax: e-mail:

Site Information:

Contact: ROGER MARTIN
 Phone: Fax: e-mail:

Well Information:

Name: HADDON # 1-35
 Operator: MULL DRILLING CO., INC.
 Location-Downhole: DST #4 ARB 3467'-3548'
 Location-Surface: 1840' FSL & 1470' FEL SEC 35-20S-13W, BATON COUNTY

Test Information:

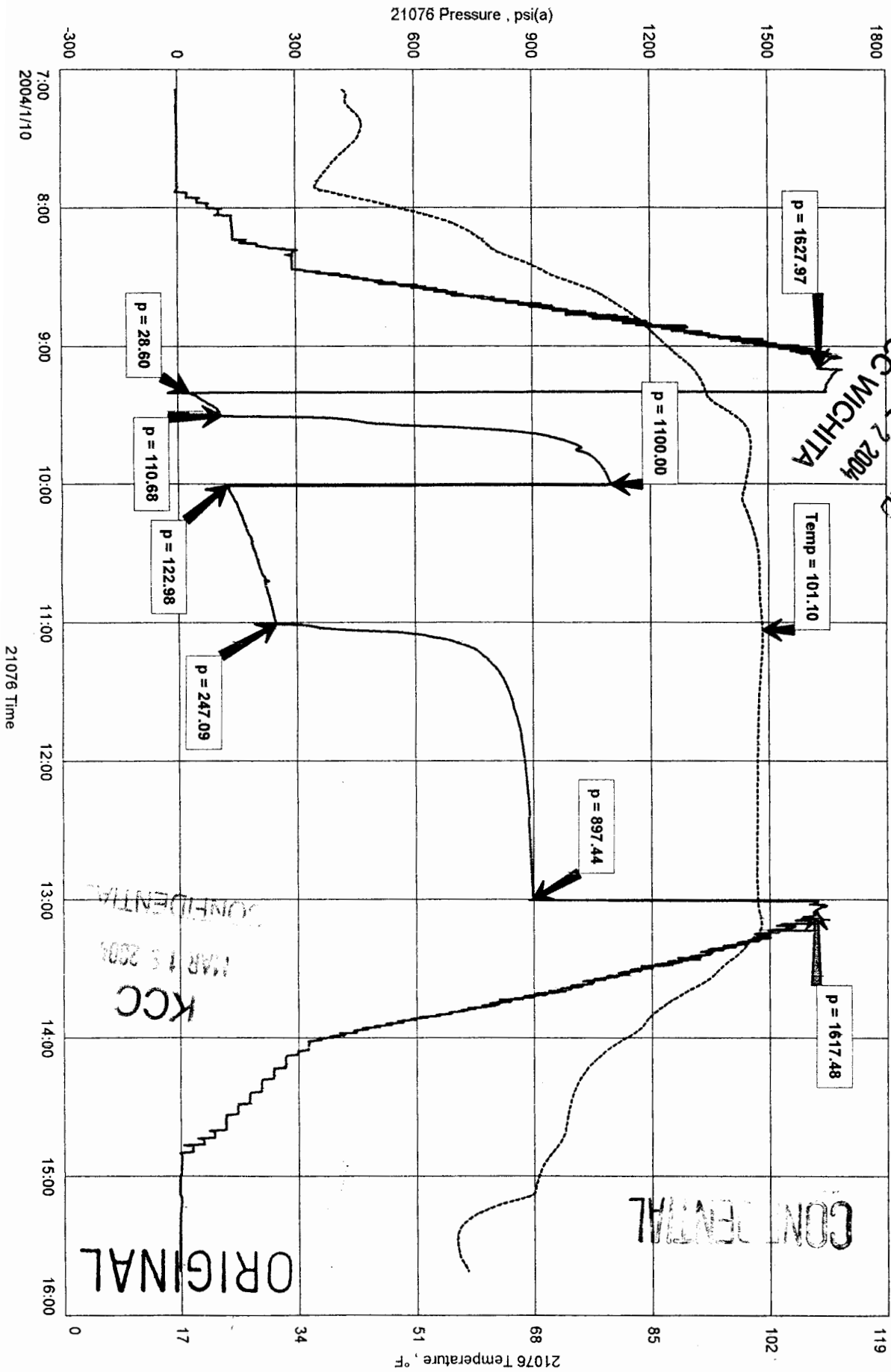
Company:	DIAMOND TESTING		
Representative:	ROGER D. FRIEDLY		
Supervisor:	ROGER MARTIN		
Test Type:	CONVENTIONAL	Job Number:	
Test Unit:	NO 1		
Start Date:	2004/01/10	RECEIVED	Start Time: 07:09:00
End Date:	2004/01/10	MAR 22 2004	End Time: 15:40:20
Report Date:		KCC WICHITA	Prepared By:
<u>Remarks:</u>			Qualified By:

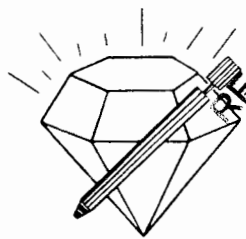
RECOVERED 550' GAS IN PIPE, 78' CGO(41 Grav @ 60 deg.), 169' GCMO
 (5% GAS, 21% MUD 74% OIL), 78' O&WCGM (9% OIL, 13% WTR, 28% GAS, 50% MUD),
 243' O&GCWM (10% OIL, 31% GAS, 32% WTR, 37% MUD) BOTTOM STAND HAD 44% WTR.
 21%

MULL DRILLING CO., INC.
DST #4 ARB 3467'-3548'
Start Test Date: 2004/01/10
Final Test Date: 2004/01/10

HADDON # 1-35
Formation: DST #4 ARB 3467'-3548'

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HADDON # 1-35





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DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21076.D47

KCC

MAR 19 2004

ORIGINAL

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Company Mun Drilling Company, Inc. Lease & Well No. Haddon No. 1-35

Elevation 1876 KB Formation Arbuckle Effective Pay -- Ft. Ticket No. 1827

Date 1-11-04 Sec. 35 Twp. 20S Range 13W County Barton State Kansas

Test Approved By Roger Martin Diamond Representative Roger D. Friedly

Formation Test No. 5 Interval Tested from 3,548 ft. to 3,573 ft. Total Depth 3,573 ft.

Packer Depth 3,543 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,548 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 3,529 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,570 ft. Recorder Number 13386 Cap. 4,000 psi

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

Drilling Contractor Sterling Drilling Company - Rig 1 Drill Collar Length 243 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 51 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 8.0 cc. Drill Pipe Length 3,273 ft. I.D. 3 1/2 in.

Chlorides 7,500 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number No. 1 Anchor Length 25 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 2 1/2 mins. Weak, 3/4 in., blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 3 mins. No blow back during shut-in.

Recovered 10 ft. of clean oil = .142000 bbls. Gravity: 34 @ 60°

Recovered 169 ft. of gas & oil cut watery mud = 2.399800 bbls. (Grind out: 2%-gas; 8%-oil; 44%-water; 46%-mud)

Recovered 186 ft. of gas & oil cut muddy water = 2.641200 bbls. (Grind out: 2%-gas; 6%-oil; 14%-mud; 78%-water)

Recovered 186 ft. of oil cut muddy water = 2.641200 bbls. (Grind out: 2%-oil; 3%-mud; 95%-water)

Recovered 801 ft. of muddy water with a scum of oil = 9.119160 bbls. (Grind out: 1%-mud; 99%-water)

Recovered 1,352 ft. of TOTAL FLUID = 16.943360 bbls.

Remarks Tool Sample Grind Out: 4%-oil; 96%-water

Time Set Packer(s) 2:49 A.M. Time Started Off Bottom 6:29 A.M. Maximum Temperature 109°

Initial Hydrostatic Pressure (A) 1651 P.S.I.

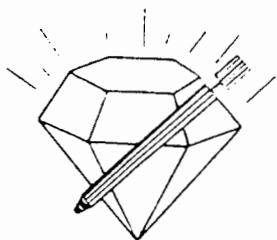
Initial Flow Period Minutes 10 (B) 65 P.S.I. to (C) 220 P.S.I.

Initial Closed In Period Minutes 30 (D) 1099 P.S.I.

Final Flow Period Minutes 60 (E) 242 P.S.I. to (F) 607 P.S.I.

Final Closed In Period Minutes 120 (G) 1056 P.S.I.

Final Hydrostatic Pressure (H) 1643 P.S.I.



DIAMOND TESTING
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FLUID SAMPLE DATA

Company Mull Drilling Company, Inc.

Lease & Well No. Haddon No. 1-35

Date 1-11-04 Sec. 35 Twp. 20 S Range 13 W

Formation Test No. 5 Interval Tested From 3,548 ft. to 3,573 ft. Total Depth 3,573 ft.

Formation Arbuckle

	MUD PIT	RECOVERY	
Viscosity	<u>51</u> CP	<u>--</u> CP	
Weight	<u>9.2</u>	<u>--</u>	
Water Loss	<u>8.0</u> CC	<u>--</u> CC	
PH Factor	<u>11.0</u>	<u>--</u>	Water <u>7.0</u>

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	RESISTIVITY	CHLORIDE CONTENT
Recovery Water	<u>.38</u> @ <u>58</u> °F.	<u>20,000</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>.90</u> @ <u>48</u> °F.	<u>11,000</u> ppm
Mud Pit Sample Filtrate	<u>.86</u> @ <u>50</u> °F.	<u>10,500</u> ppm

Sample Taken By ROGER D. FRIEDLY

Witness By Roger Martin

Remarks Pit filtrate triton dish chlorides were 7,500 Ppm
Recovery water dish chlorides were 17,000 Ppm

GENERAL INFORMATION

Client Information:

Company: MULL DRILLING CO., INC
Contact: MARK A. SHREVE & RICK SAENGER
Phone: 316-264-6366 Fax: e-mail:

Site Information:

Contact: ROGER MARTIN
Phone: Fax: e-mail:

Well Information:

Name: HADDON #1-35
Operator: MUL DRILLING CO., INC.
Location-Downhole: DST #5 ARB. 3548'-3573'
Location-Surface: 1840' FSL & 1470' FEL, SEC 35-20S-13W, BARTON COUNTY

Test Information:

Company:	DIAMOND TESTING	
Representative:	ROGER D. FRIEDLY	
Supervisor:	ROGER MARTIN	
Test Type:	CONVENTIONAL	Job Number:
Test Unit:	NO 1	
Start Date:	2004/01/11	Start Time: 00:36:00
End Date:	3793/11/30	End Time: 09:23:20
Report Date:		Prepared By:
		Qualified By:

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Remarks:

RECOVERED 10' CO (34 GRAV. @ 60 deg), 169' G&OCWM (2% GAS, 8% OIL, 44% WTR 46% MUD)
186' G&OCMW (2% GAS, 6% OIL, 14% MUD, 78% WTR) 186' OCMW (2% OIL, 3% MUD, 95 % WTR)
801' MW (1% MUD 99% WTR, WITH SCUM OF OIL)

HADDON #1-35
Formation: DST #5 ARB 3548'-3573'

HADDON #1-35

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MULL DRILLING CO., INC
DST #5 ARB. 3548'-3573'
Start Test Date: 2004/01/11
Final Test Date: 3793/11/30

