

15-063-21691

35-14s-30w

new name Barelett Ranch 1

### DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

Page 1 of 2 Pages

Company L. D. Drilling, Inc. Lease & Well No. Hayes "C" No. 1  
 Elevation 2696 KB Formation Lansing/Kansas City 200' Zone Effective Pay -- Ft. Ticket No. 2439  
 Date 4-20-08 Sec. 35 Twp. 14S Range 30W County Gove State Kansas

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

Formation Test No. 1 Interval Tested from 4,010 ft. to 4,037 ft. Total Depth 4,037 ft.

Packer Depth 4,005 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,010 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 3,996 ft. Recorder Number 30044 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,034 ft. Recorder Number 13033 Cap. 6,075 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 9.2 Water Loss 8.0 cc. Drill Pipe Length 3,982 ft. I.D. 3 1/2 in.

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

Jars: Make Sterling Serial Number Not Run Anchor Length 27 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, 1/2 in., blow increasing. Off bottom of bucket in 20 mins. Weak, 1/2 in., blow back during shut-in.  
2nd Open: Weak, 1/2 in., blow increasing. Off bottom of bucket in 15 mins. Fair, 2 1/2 in., blow back during shut-in.

Recovered 436 ft. of gas in pipe

Recovered 100 ft of clean oil = 1.026000 bbls. (Gravity: 35.8 @ 60°)

Recovered 22 ft. of gas cut muddy oil = .225720 bbls. (Grind out: 10%-gas; 43%-mud; 47%-oil)

Recovered 31 ft. of gas & water cut oily mud = .318060 bbls. (Grind out: 4%-gas; 10%-water; 22%-oil; 64%-mud)

Recovered 31 ft. of oil cut watery mud = .318060 bbls. (Grind out: 2%-oil; 38%-water; 60%-mud)

Recovered 184 ft. of TOTAL FLUID = 1.887840 bbls. Chlorides: 33,000 Ppm

Remarks Tool Sample Grind Out: 2%-gas; 10%-water; 25%-oil; 63%-mud

Time Set Packer(s) 7:18 A.M. Time Started Off Bottom 10:18 A.M. Maximum Temperature 127°  
RXX. RXX.

Initial Hydrostatic Pressure ..... (A) 1943 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 11 P.S.I. to (C) 44 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 834 P.S.I.

Final Flow Period ..... Minutes 45 (E) 49 P.S.I. to (F) 86 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 812 P.S.I.

Final Hydrostatic Pressure ..... (H) 1938 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: L.D. DRILLING, INC.

Contact: L.D. DAVIS

Phone: Fax: e-mail:

### Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

### Well Information:

Name: HAYES 'C' #1

Operator: L.D. DRILLING, INC.

Location-Downhole: DST #1 LKC 200' ZONE 4,010' - 4,037'

Location-Surface: SEC 35-14S-30W GOVE COUNTY

### Test Information:

Company: DIAMOND TESTING

Representative: ROGER D. FRIELDY

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number:

Test Unit: NO. 3

Start Date: 2008/04/20 Start Time: 04:24:00

End Date: 2008/04/20 End Time: 12:19:00

Report Date: Prepared By:

Remarks: Qualified By:

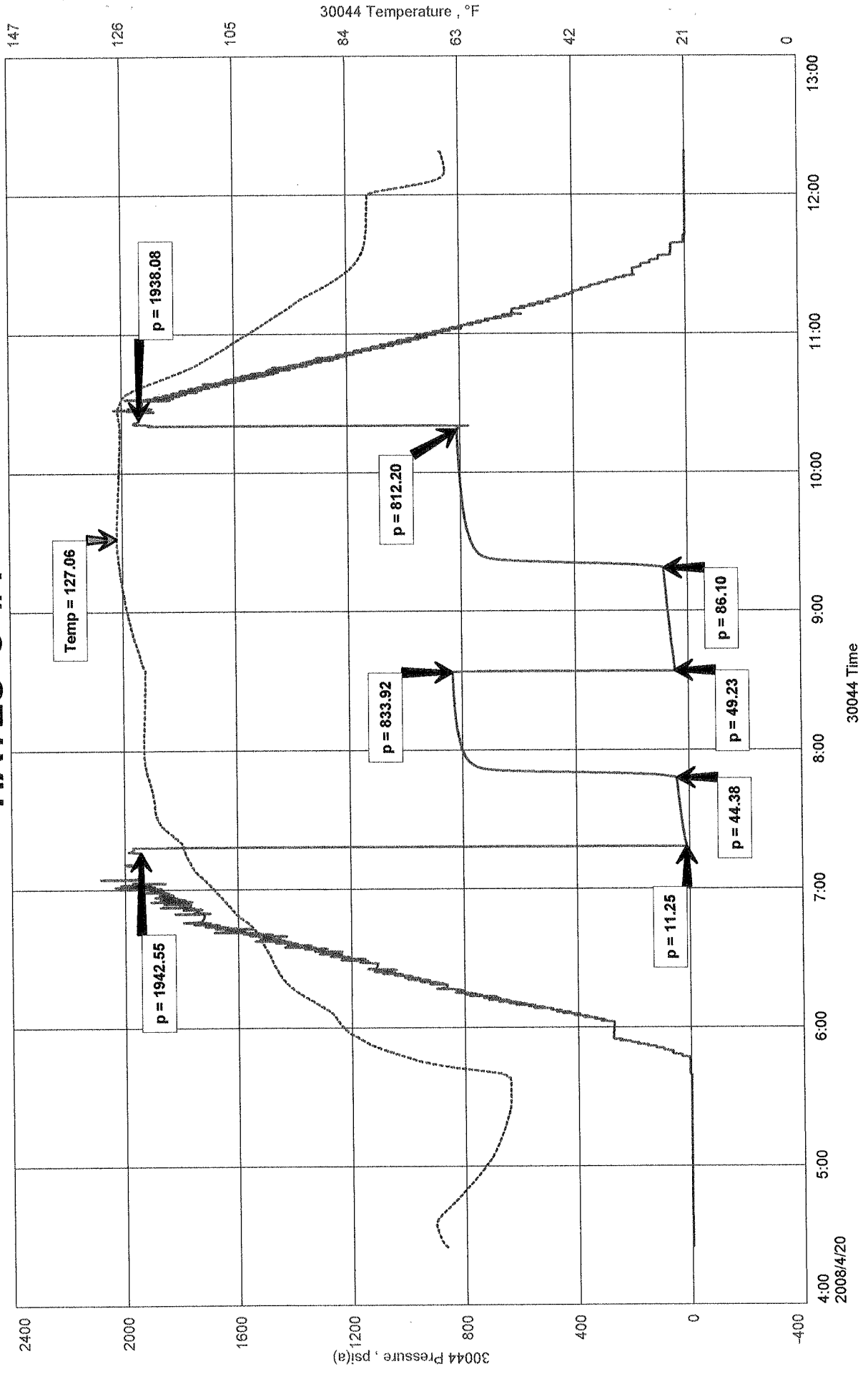
RECOVERED: 436' GAS IN PIPE : 100' CLEAN OIL 35.8 GRAVITY @ 60 deg.  
22' GCMO 10% GAS, 43% MUD, 46% OIL  
31' G&WCOM 4% GAS, 10% WTR, 22% OIL, 64% MUD  
31' OCWM 2% OIL, 38% WTR, 60% MUD (CHLORIDES 33,000 Ppm)  
184' TOTAL FLUID

TOOL SAMPLE: 2% GAS, 10% WTR, 25% OIL, 63% MUD

HAYES 'C' #1  
 Formation: DST #1 LKC 200' ZONE 4,010' - 4,037'  
 Pool: WILDCAT

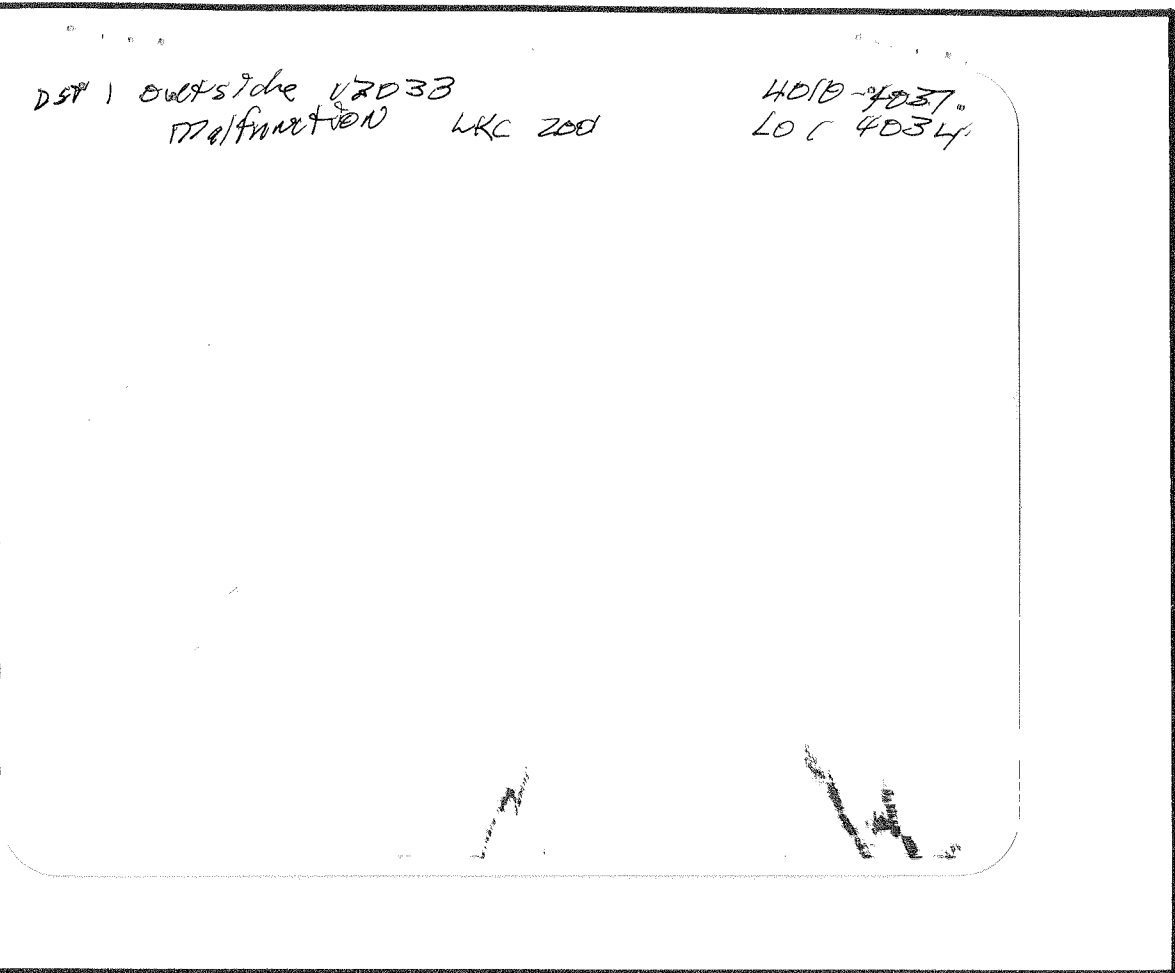
L.D. DRILLING, INC.  
 DST #1 LKC 200' ZONE 4,010' - 4,037'  
 Start Test Date: 2008/04/20  
 Final Test Date: 2008/04/20

# HAYES 'C' #1



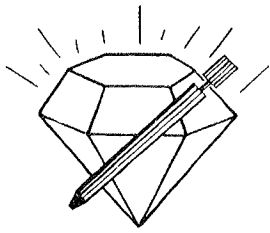
DST 1 outside V2033  
 Malfunction WKC 200

4010-4037  
 LOC 4034



This is an actual photograph of recorder chart.

POINT	PRESSURE Elec.		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud .....	1943	1943	PSI
(B) First Initial Flow Pressure.....	11	11	PSI
(C) First Final Flow Pressure .....	44	44	PSI
(D) Initial Closed-in Pressure .....	834	834	PSI
(E) Second Initial Flow Pressure .....	49	49	PSI
(F) Second Final Flow Pressure.....	86	86	PSI
(G) Final Closed-in Pressure.....	812	812	PSI
(H) Final Hydrostatic Mud .....	1938	1938	PSI



# DIAMOND TESTING

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Company L. D. Drilling, Inc. Lease & Well No. Hayes "C" No. 1  
Elevation 2696 KB Formation Lansing/Kansas City 220' Zone Effective Pay -- Ft. Ticket No. 2440  
Date 4-21-08 Sec. 35 Twp. 14S Range 30W County Gove State Kansas  
Test Approved By Kim B. Shoemaker Diamond Representative Roger D. Friedly

Formation Test No. 2 Interval Tested from 4,068 ft. to 4,081 ft. Total Depth 4,081 ft.  
Packer Depth 4,063 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Packer Depth 4,068 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 4,054 ft. Recorder Number 30044 Cap. 5,000 psi  
Bottom Recorder Depth (Outside) 4,078 ft. Recorder Number 3851 Cap. 5,700 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 51 Weight Pipe Length -- ft. I.D. -- in.  
Weight 9.2 Water Loss 7.2 cc. Drill Pipe Length 4,040 ft. I.D. 3 1/2 in.  
Chlorides 7,200 P.P.M. Test Tool Length 28 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Sterling Serial Number Not Run Anchor Length 13 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 1/4 in. No blow back during shut-in.  
2nd Open: No blow. No blow back during shut-in.

Recovered 2 ft. of drilling mud with good oil spots & good free oil on top = .020520 bbls.  
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of         

Remarks Tool Sample Grind out: 100%-drilling mud with good oil spots

Time Set Packer(s) 7:57 ~~XXX~~ A.M. Time Started Off Bottom 9:57 ~~XXX~~ A.M. Maximum Temperature 116°  
Initial Hydrostatic Pressure ..... (A) 1976 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 8 P.S.I. to (C) 8 P.S.I.  
Initial Closed In Period ..... Minutes 30 (D) 11 P.S.I.  
Final Flow Period ..... Minutes 30 (E) 8 P.S.I. to (F) 8 P.S.I.  
Final Closed In Period ..... Minutes 30 (G) 11 P.S.I.  
Final Hydrostatic Pressure ..... (H) 1975 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: L.D. DRILLING, INC.

Contact: L.D. DAVIS

Phone: Fax: e-mail:

### Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

### Well Information:

Name: HAYES 'C' #1

Operator: L.D. DRILLING, INC.

Location-Downhole: DST #2 LKC 220' ZONE 4,068' - 4,081'

Location-Surface: SEC 35-14S-30W GOVE COUNTY

### Test Information:

Company: DIAMOND TESTING

Representative: ROGER D. FRIEDLY

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number:

Test Unit: NO. 3

Start Date: 2008/04/21 Start Time: 05:59:00

End Date: 2008/04/21 End Time: 11:38:00

Report Date: 2008/04/21 Prepared By: ROGER D. FRIEDLY

Remarks: Qualified By: KIM SHOEMAKER

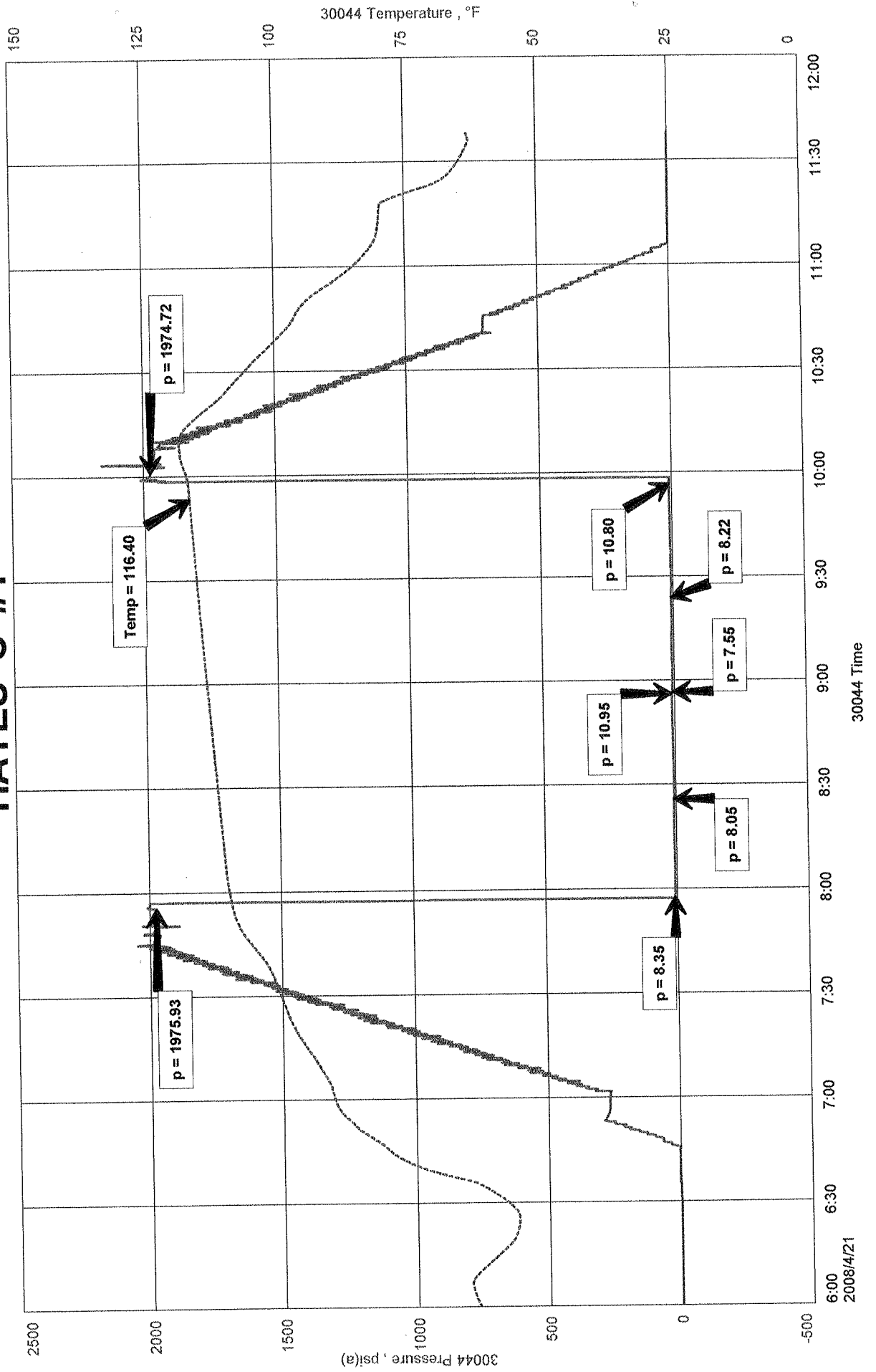
RECOVERED: 2' DRILLING MUD WITH GOOD OIL SPOTS - GOOD FREE OIL ON TOP

TOOL SAMPLE: 100% DM WITH GOOD OIL SPOTS

HAYES 'C' #1  
 Formation: DST #2 LKC 220' ZONE 4,068' - 4,081'  
 Pool: WILDCAT

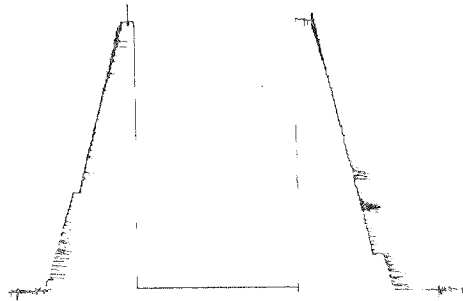
L.D. DRILLING, INC.  
 DST #2 LKC 220' ZONE 4,068' - 4,081'  
 Start Test Date: 2008/04/21  
 Final Test Date: 2008/04/21

# HAYES 'C' #1



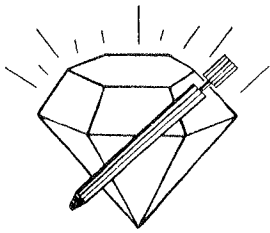
DST # 3 outside 3851  
 HXC 220

4068-4081  
 LDC 4078



This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading			
(A) Initial Hydrostatic Mud	1976	1976		PSI
(B) First Initial Flow Pressure	8	8		PSI
(C) First Final Flow Pressure	8	8		PSI
(D) Initial Closed-in Pressure	11	11		PSI
(E) Second Initial Flow Pressure	8	8		PSI
(F) Second Final Flow Pressure	8	8		PSI
(G) Final Closed-in Pressure	11	11		PSI
(H) Final Hydrostatic Mud	1975	1975		PSI



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Page 1 of 2 Pages

Company L. D. Drilling, Inc. Lease & Well No. Hayes "C" No. 1

Elevation 2696 KB Formation Myrick Station Effective Pay -- Ft. Ticket No. 2441

Date 4-22-08 Sec. 35 Twp. 14S Range 30W County Gove State Kansas

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

Formation Test No. 3 Interval Tested from 4,230 ft. to 4,260 ft. Total Depth 4,260 ft.

Packer Depth 4,225 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,230 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 4,216 ft. Recorder Number 30044 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,257 ft. Recorder Number 3851 Cap. 5,700 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 9.2 Water Loss 8.8 cc. Drill Pipe Length 4,202 ft. I.D. 3 1/2 in.

Chlorides 3,100 P.P.M. Test Tool Length 28 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 30 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, 1/2 in., blow increasing to 1 1/2 ins. No blow back during shut-in.

2nd Open: Weak surface blow in 4 mins., increasing to 1 in. No blow back during shut-in.

Recovered 1/2 ft. of clean oil = .005130 bbls. (Gravity: 35.8 @ 60°)

Recovered 24 ft. of oil cut mud = .246240 bbls. (Grind out: 20%-oil; 80%-mud)

Recovered 24 1/2 ft. of TOTAL FLUID = .251370 bbls.

Recovered          ft. of         

Recovered          ft. of         

Remarks Tool Sample Grind Out: 20%-oil; 80%-mud

Time Set Packer(s) 9:53 ~~XXX~~ <sup>A.M.</sup> Time Started Off Bottom 12:53 ~~XXX~~ <sup>P.M.</sup> Maximum Temperature 124°

Initial Hydrostatic Pressure ..... (A) 2067 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 9 P.S.I. to (C) 14 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 843 P.S.I.

Final Flow Period ..... Minutes 45 (E) 16 P.S.I. to (F) 22 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 725 P.S.I.

Final Hydrostatic Pressure ..... (H) 2,056 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: L.D. DRILLING, INC.

Contact: L.D. DAVIS

Phone: Fax: e-mail:

### Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

### Well Information:

Name: HAYES 'C' #1

Operator: L.D. DRILLING, INC.

Location-Downhole: DST #3 MYRICK STATION 4,230' - 4,260'

Location-Surface: SEC 35-14S-30W GOVE COUNTY

### Test Information:

Company: DIAMOND TESTING

Representative: ROGER D. FRIEDLY

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number:

Test Unit: NO. 3

Start Date: 2008/04/22 Start Time: 07:54:00

End Date: 2008/04/22 End Time: 14:49:00

Report Date: 2008/04/22 Prepared By: ROGER D. FRIEDLY

Qualified By: KIM SHOEMAKER

### Remarks:

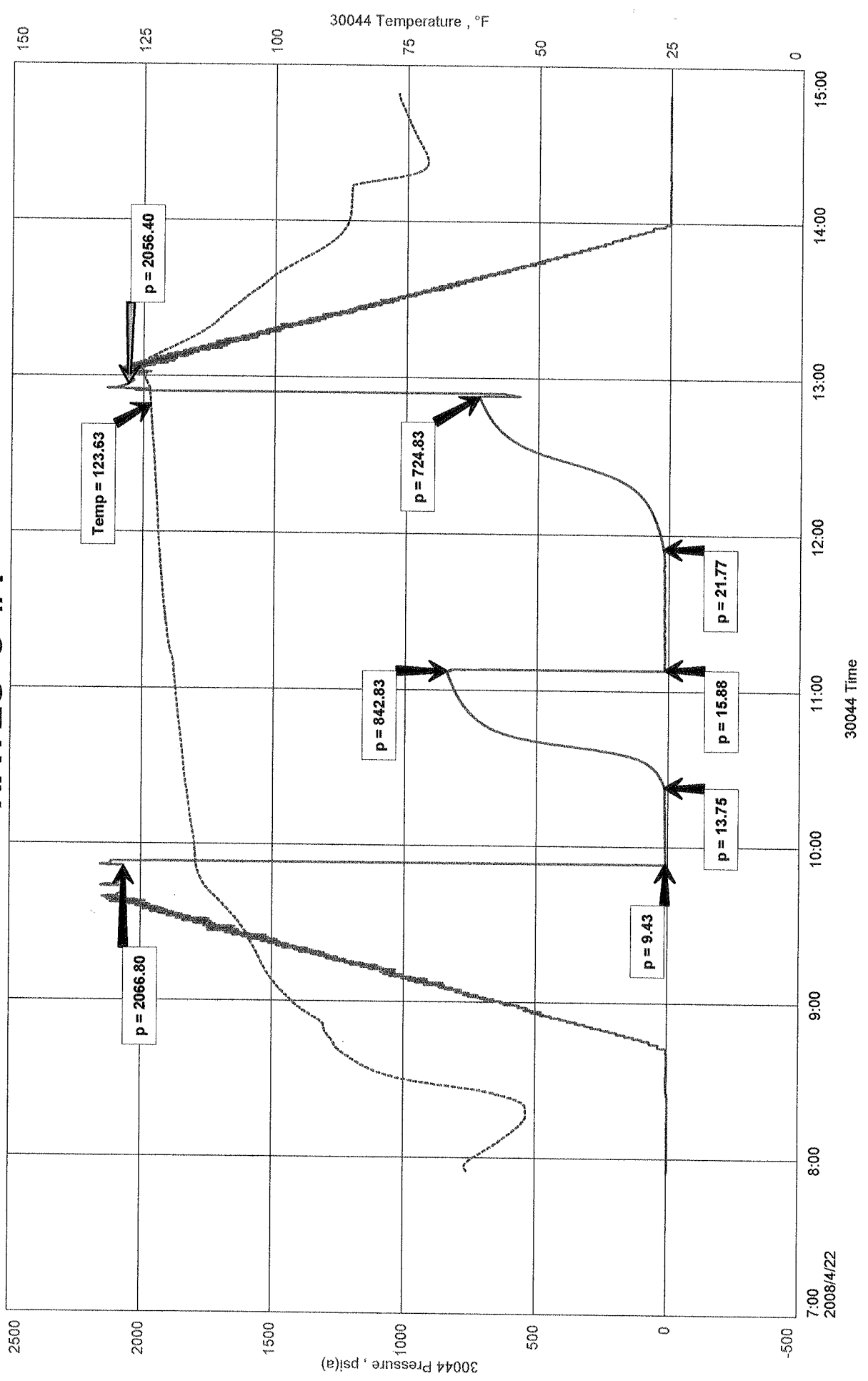
RECOVERED: 1/2' CLEAN OIL 35.8 GRAVITY @ 60 deg.  
24' OCM 20% OIL, 80% MUD

TOOL SAMPLE: 20% OIL, 80% MUD

L.D. DRILLING, INC.  
 DST #3 MYRICK STATION 4,230' - 4,260'  
 Start Test Date: 2008/04/22  
 Final Test Date: 2008/04/22

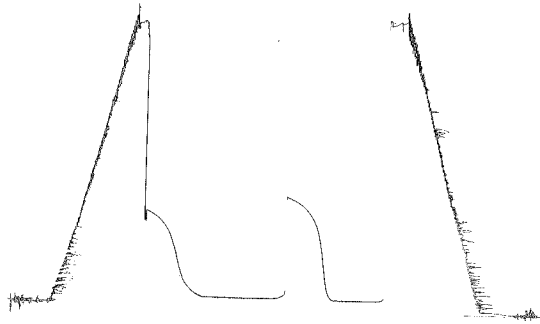
HAYES 'C' #1  
 Formation: DST #3 MYRICK STATION 4,230' - 4,260'  
 Pool: WILDCAT

HAYES 'C' #1



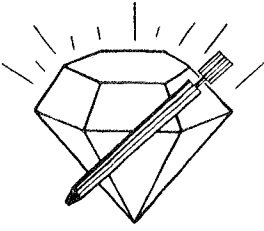
bst # 3.0 outside 3851  
 Dyrick St

4230-4260  
 LOL 4257



This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading			
(A) Initial Hydrostatic Mud	2067	2067		PSI
(B) First Initial Flow Pressure	9	9		PSI
(C) First Final Flow Pressure	14	14		PSI
(D) Initial Closed-in Pressure	843	843		PSI
(E) Second Initial Flow Pressure	16	16		PSI
(F) Second Final Flow Pressure	22	22		PSI
(G) Final Closed-in Pressure	725	725		PSI
(H) Final Hydrostatic Mud	2056	2056		PSI



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

Company L. D. Drilling, Inc. Lease & Well No. Hayes "C" No. 1  
Elevation 2696 KB Formation Ft. Scott/Cherokee/Johnson Effective Pay -- Ft. Ticket No. 2442  
Date 4-23-08 Sec. 35 Twp. 14S Range 30W County Gove State Kansas  
Test Approved By Kim B. Shoemaker Diamond Representative Roger D. Friedly

Formation Test No. 4 Interval Tested from 4,275 ft. to 4,360 ft. Total Depth 4,360 ft.  
Packer Depth 4,270 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Packer Depth 4,275 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 4,261 ft. Recorder Number 30044 Cap. 5,000 psi  
Bottom Recorder Depth (Outside) 4,357 ft. Recorder Number 3851 Cap. 5,700 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 9.2 Water Loss 8.8 cc. Drill Pipe Length 4,247 ft. I.D. 3 1/2 in.  
Chlorides 3,100 P.P.M. Test Tool Length 28 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Sterling Serial Number Not Run Anchor Length 22' 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, 1/8 in., blow increasing to 1 in. No blow back during shut-in.  
2nd Open: No blow. No blow back during shut-in.

Recovered 5 ft. of drilling mud = .051300 bbls. (Grind out: 100%-mud)  
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of         

Remarks Tool Sample Grind Out: 100%-drilling mud with good oil spots

Time Set Packer(s) 5:19 A.M. Time Started Off Bottom 7:19 A.M. Maximum Temperature 120°  
P.M. P.M.  
Initial Hydrostatic Pressure ..... (A) 2086 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 10 P.S.I. to (C) 10 P.S.I.  
Initial Closed In Period ..... Minutes 30 (D) 602 P.S.I.  
Final Flow Period ..... Minutes 30 (E) 11 P.S.I. to (F) 14 P.S.I.  
Final Closed In Period ..... Minutes 30 (G) 514 P.S.I.  
Final Hydrostatic Pressure ..... (H) 2084 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: L.D. DRILLING, INC.

Contact: L.D. DAVIS

Phone: Fax: e-mail:

### Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

### Well Information:

Name: HAYES 'C' #1

Operator: L.D. DRILLING, INC.

Location-Downhole: DST #4 FT SCOTT-JOHNSON 4,275' - 4,360'

Location-Surface: SEC 35-14S-30W GOVE COUNTY

### Test Information:

Company: DIAMOND TESTING

Representative: ROGER D. FRIEDLY

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number:

Test Unit: NO. 3

Start Date: 2008/04/23 Start Time: 03:09:00

End Date: 2008/04/23 End Time: 09:12:00

Report Date: 2008/04/23 Prepared By: ROGER D. FRIEDLY

Qualified By: KIM SHOEMAKER

### Remarks:

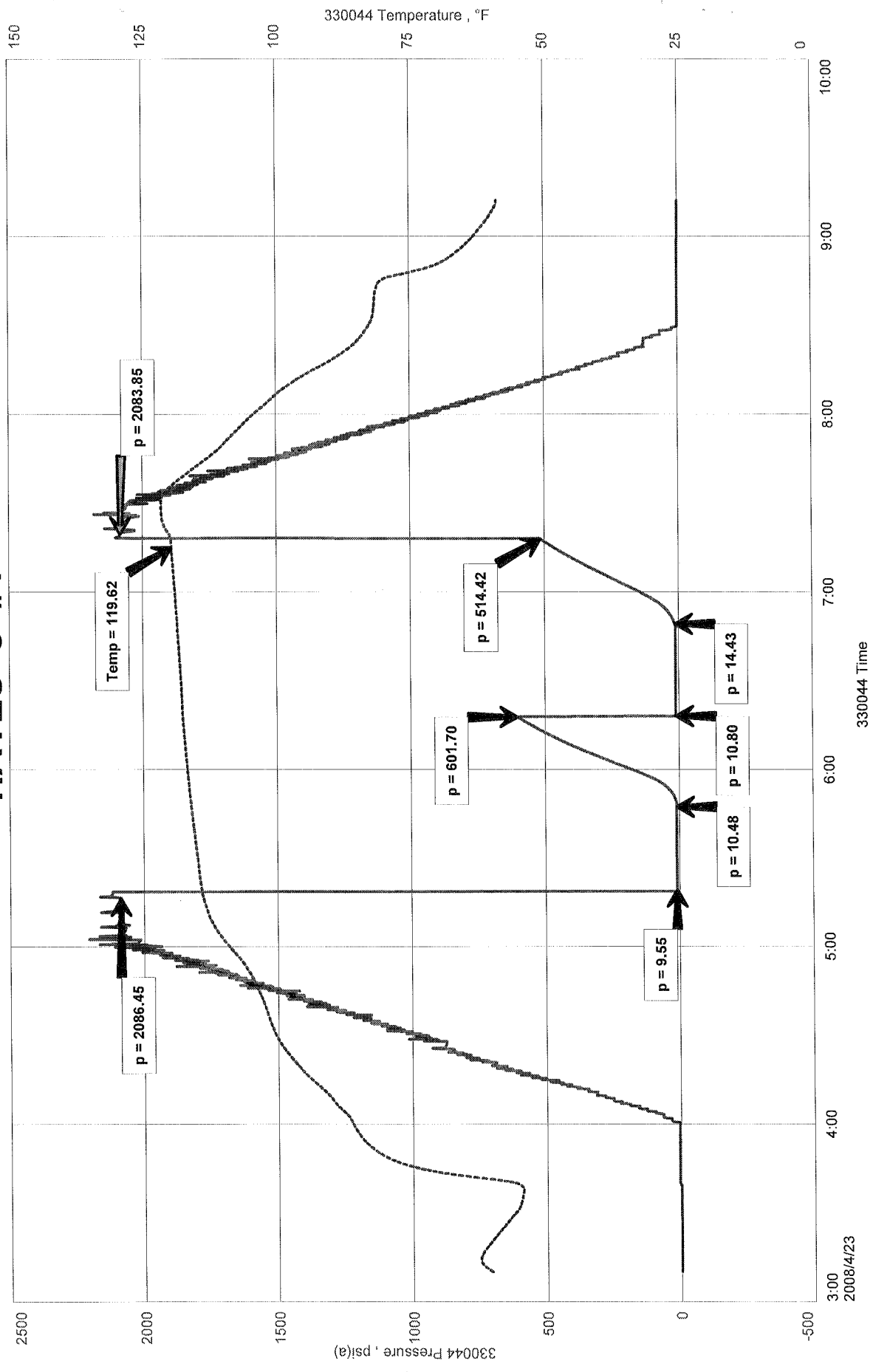
RECOVERED: 5' DM 100% MUD

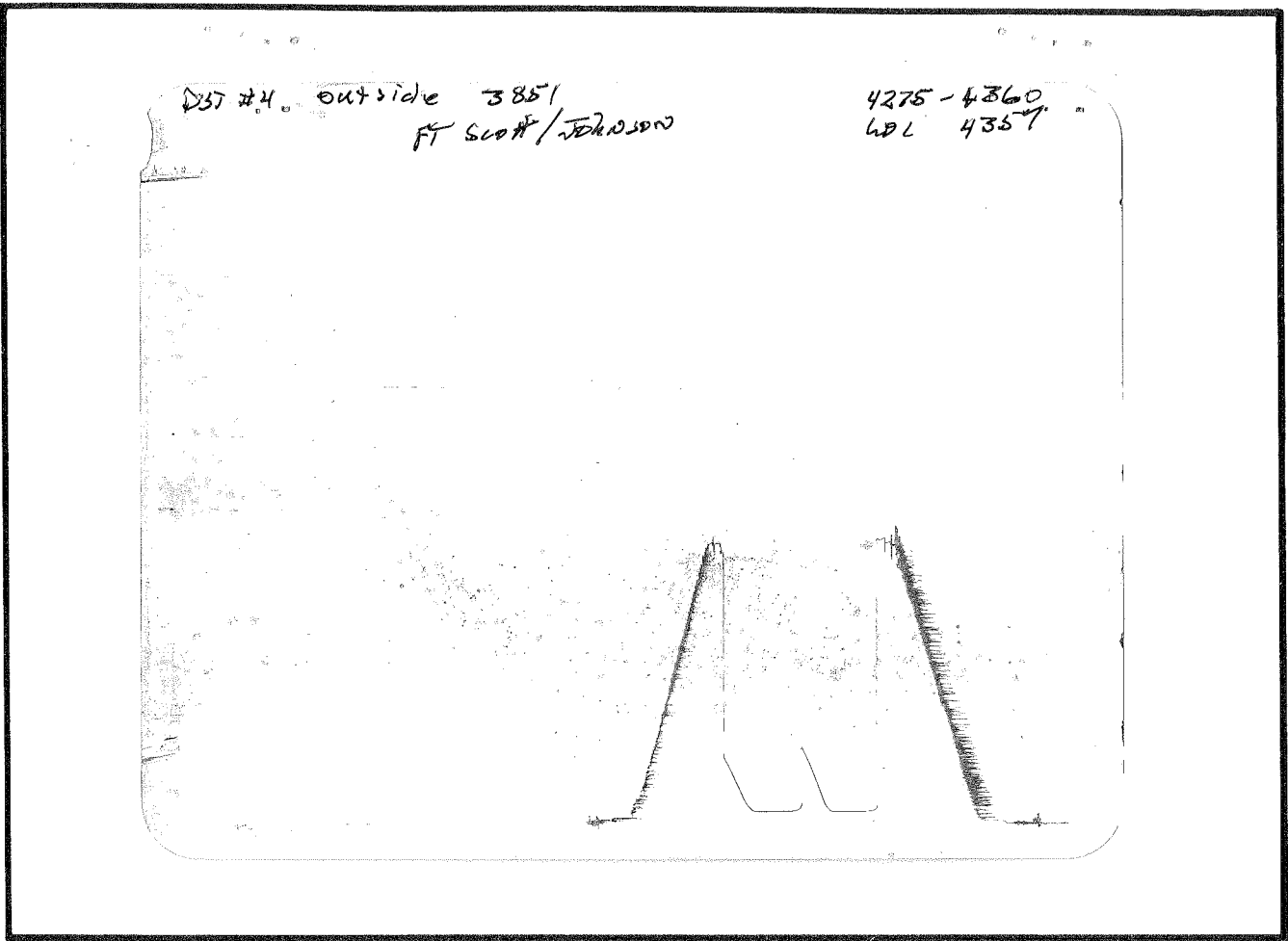
TOOL SAMPLE: 100% DM WITH GOOD OIL SPOTS

L.D. DRILLING, INC.  
 DST #4 FT SCOTT-JOHNSON 4,275' - 4,360'  
 Start Test Date: 2008/04/23  
 Final Test Date: 2008/04/23

HAYES 'C' #1  
 Formation: DST #4 FT SCOTT-JOHNSON 4,275' - 4,360'  
 Pool: WILDCAT

# HAYES 'C' #1





This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading			
(A) Initial Hydrostatic Mud	2086	2086		PSI
(B) First Initial Flow Pressure	10	10		PSI
(C) First Final Flow Pressure	10	10		PSI
(D) Initial Closed-in Pressure	602	602		PSI
(E) Second Initial Flow Pressure	11	11		PSI
(F) Second Final Flow Pressure	14	14		PSI
(G) Final Closed-in Pressure	514	514		PSI
(H) Final Hydrostatic Mud	2084	2084		PSI