

Diamond Testing

General information Report

General Information

Company Name L.D. DRILLING, INC.

Contact	L.D. DAVIS	Job Number	
Well Name	SIEFKES #4	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #1 LKC 'D-F' 3,289' - 3,335'	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC 27-21S-12W STAFFORD COUNTY, KS	Report Date	2010/09/01
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	CONVENTIONAL		
Formation	DST #1 LKC 'D-F' 3,289' - 3,335'		
Well Fluid Type	01 Oil	Start Test Time	12:40:00
		Final Test Time	17:17:00
Start Test Date	2010/09/01		
Final Test Date	2010/09/01		
Gauge Name	1150		
Gauge Serial Number			

Test Results

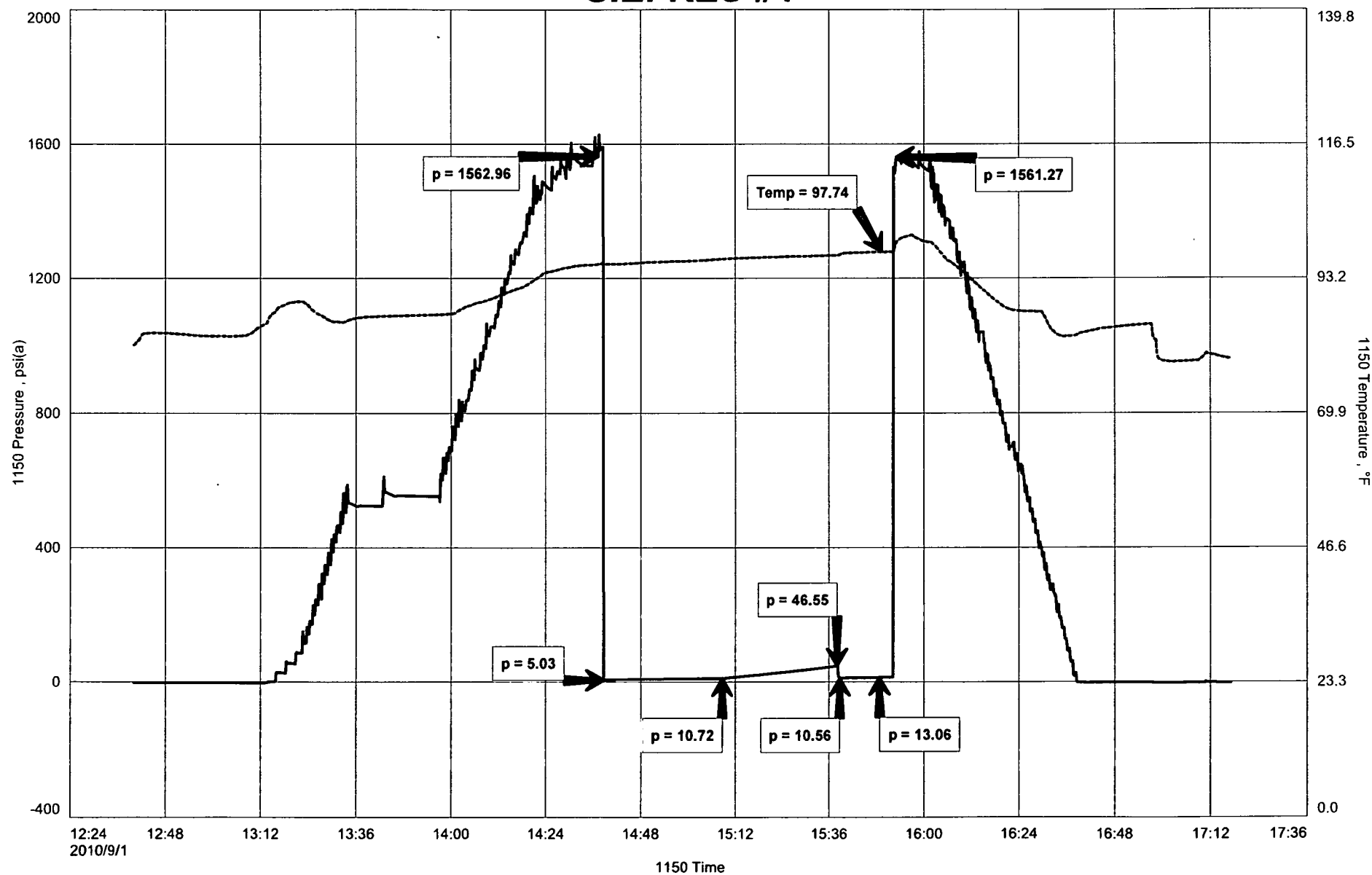
RECOVERED: 5' SLTOSDM 1% OIL, 99% MUD

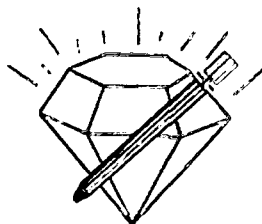
TOOL SAMPLE: 100% DM - FEW FREE OIOL SPOTS

L.D. DRILLING, INC.
DST #1 LKC 'D-F' 3,289' - 3,335'
Start Test Date: 2010/09/01
Final Test Date: 2010/09/01

SIEFKES #4
Formation: DST #1 LKC 'D-F' 3,289' - 3,335'

SIEFKES #4





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

CLOCK ON: 12:40

CLOCK OFF: 17:17

DRILL-STEM TEST TICKET

Company L.D. DRILLING, INC. Lease & Well No. SIEFKES #1
Contractor PETROMARK #2 Charge to L.D. DRILLING, INC.
Elevation 1,845 Formation LKC 'D-F' Effective Pay Ft. Ticket No.
Date 9.1.10 Sec. 27 Twp. 21 S Range 12 W County STAFFORD State KANSAS
Test Approved By JEFF CHRISTIAN Diamond Representative ROGER D. FRIEDLY

Formation Test No. 1 Interval Tested from 3,289 ft. to 3,335 ft. Total Depth 3,335 ft.

Packer Depth 3,284 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 3,289 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3,277 ft. Recorder Number 1150 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 3,332 ft. Recorder Number 3815 Cap. 5,700 P.S.I.

Below Straddle Recorder Depth ft. Recorder Number Cap. P.S.I.

Mud Type CHEMICAL Viscosity 60 Drill Collar Length 121 ft. I.D. 2 1/4 in.

Weight 8.8 Water Loss 10.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 3,000 P.P.M. Drill Pipe Length 3,142 ft. I.D. 3 1/2 in.

Jars: Make BOWEN Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 46 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31" DP IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK SURFACE BLOW INCREASING TO 1/4" (NObb)

2nd Open: WEAK SURFACE BLOW (NObb)

Recovered 5 ft. of SLTOSDM 1% OIL, 99% MUD

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

TOOL SAMPLE: 100% DM FEW FREE OIL SPOTS

Price Job

Other Charges

Insurance

Total

Time Set Packer(s) 2:39 P.M. A.M. Time Started Off Bottom 3:49 P.M. A.M. Maximum Temperature 98

Initial Hydrostatic Pressure (A) 1,563 P.S.I.

Initial Flow Period 30 Minutes (B) 5 P.S.I. to (C) 11 P.S.I.

Initial Closed In Period 30 Minutes (D) 47 P.S.I.

Final Flow Period 10 Minutes (E) 11 P.S.I. to (F) 13 P.S.I.

Final Closed In Period 0 Minutes (G) P.S.I.

Final Hydrostatic Pressure (H) 1,561 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Diamond Testing

General information Report

General Information

Company Name L. D. DRILLING, INC.

Contact	L. D. DAVIS	Job Number	
Well Name	SIEFKES #4	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #4 LKC 'H-J' 3,378' - 3,440'	Well Operator	L. D. DRILLING, INC.
Surface Location	SEC 27-21S-12W STAFFORD COUNTY, KS	Report Date	2010/09/02
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	CONVENTIONAL		
Formation	DST #2 LKC 'H-J' 3,378' - 3,440'		
Well Fluid Type	01 Oil	Start Test Time	05:00:00
		Final Test Time	10:10:00
Start Test Date	2010/09/02		
Final Test Date	2010/09/02		
Gauge Name	1150		
Gauge Serial Number			

Test Results

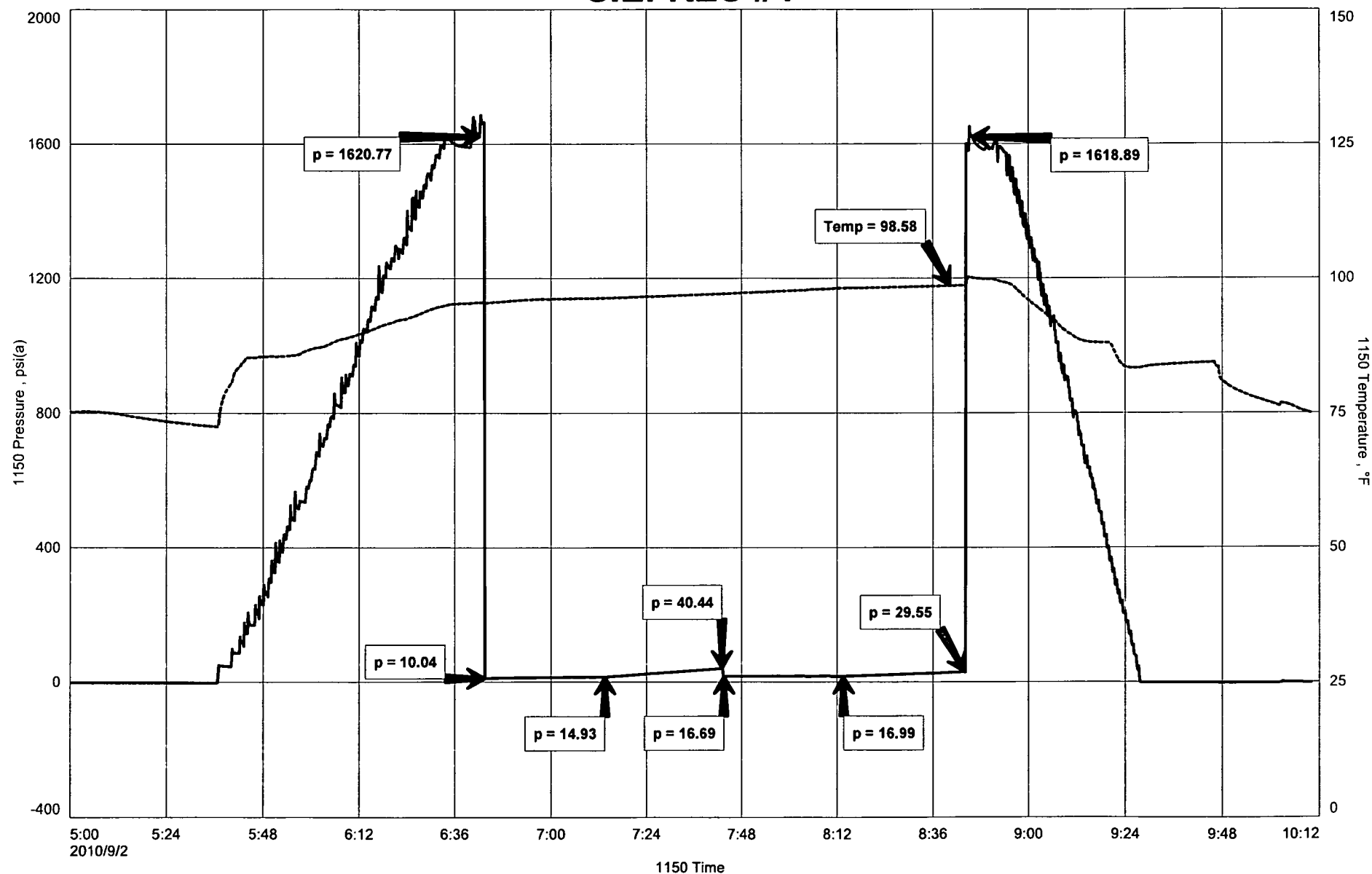
RECOVERED: 10' DM 100% MUD

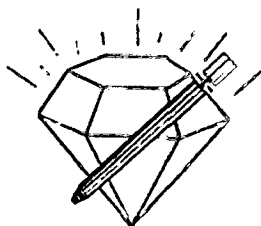
TOOL SAMPLE: 100% MUD - GOOD OIL SPECKS

L. D. DRILLING, INC.
DST #4 LKC 'H-J' 3,378' - 3,440'
Start Test Date: 2010/09/02
Final Test Date: 2010/09/02

SIEFKES #4
Formation: DST #2 LKC 'H-J' 3,378' - 3,440'

SIEFKES #4





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

CLOCK ON: 05:00

CLOCK OFF: 10:10

DRILL-STEM TEST TICKET

Company L.D. DRILLING, INC. Lease & Well No. SIEFKES #1
Contractor PETROMARK #2 Charge to L.D. DRILLING, INC.
Elevation 1,845 KB Formation LKC 'H-J' Effective Pay Ft. Ticket No.
Date 9.2.10 Sec. 27 Twp. 21 S Range 12 W County STAFFORD State KANSAS
Test Approved By JEFF CHRISTIAN Diamond Representative ROGER D. FRIEDLY

Formation Test No. 2 Interval Tested from 3,378 ft. to 3,440 ft. Total Depth 3,440 ft.

Packer Depth 3,373 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 3,378 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3,366 ft. Recorder Number 1150 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 3,437 ft. Recorder Number 3815 Cap. 5,700 P.S.I.

Below Straddle Recorder Depth ft. Recorder Number Cap. P.S.I.

Mud Type CHEMICAL Viscosity 60 Drill Collar Length 121 ft. I.D. 2 1/4 in.

Weight 8.8 Water Loss 10.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 3,000 P.P.M. Drill Pipe Length 3,231 ft. I.D. 3 1/2 in.

Jars: Make BOWEN Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 62 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31" DP IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK SURFACE BLOW INCREASING TO 1/4" - DECREASING IN 19 MIN - 1/8" @ END (NObb)

2nd Open: WEAK SURFACE BLOW THRU-OUT (NObb)

Recovered 10 ft. of DM 100% MUD

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

TOOL SAMPLE: 100% DM GOOD OIL SPECKS

Price Job

Other Charges

Insurance

Total

Time Set Packer(s) 6:42 A.M. A.M. Time Started Off Bottom 8:42 A.M. A.M. Maximum Temperature 99
P.M. P.M.

Initial Hydrostatic Pressure (A) 1,621 P.S.I.

Initial Flow Period Minutes 30 (B) 10 P.S.I. to (C) 15 P.S.I.

Initial Closed In Period Minutes 30 (D) 40 P.S.I.

Final Flow Period Minutes 30 (E) 17 P.S.I. to (F) 17 P.S.I.

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

Final Hydrostatic Pressure (H) 1,619 P.S.I.

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Diamond Testing

General information Report

General Information

Company Name L. D. DRILLING, INC.

Contact

L. D. DAVIS

Well Name

SIEFKES #4

Unique Well ID

DST #3 ARBUCKLE 3,538' - 3,608'

Surface Location

SEC 27-21S-12W STAFFORD COUNTY, KS

Well License Number

Field

WILDCAT

Well Type

Vertical

Job Number

Representative

ROGER D. FRIEDLY

Well Operator

L. D. DRILLING, INC.

Report Date

2010/09/03

Prepared By

ROGER D. FRIEDLY

Test Type

CONVENTIONAL

Formation

DST #3 ARBUCKLE 3,538' - 3,608'

Well Fluid Type

01 Oil

Start Test Time

02:05:00

Final Test Time

09:06:00

Start Test Date

2010/09/03

Final Test Date

2010/09/03

Gauge Name

1150

Gauge Serial Number

Test Results

RECOVERED: 340' GAS IN PIPE

94' HG&OCM 4% GAS, 36% OIL, 60% MUD

61' HG&OCM 2% GAS, 26% OIL, 72% MUD

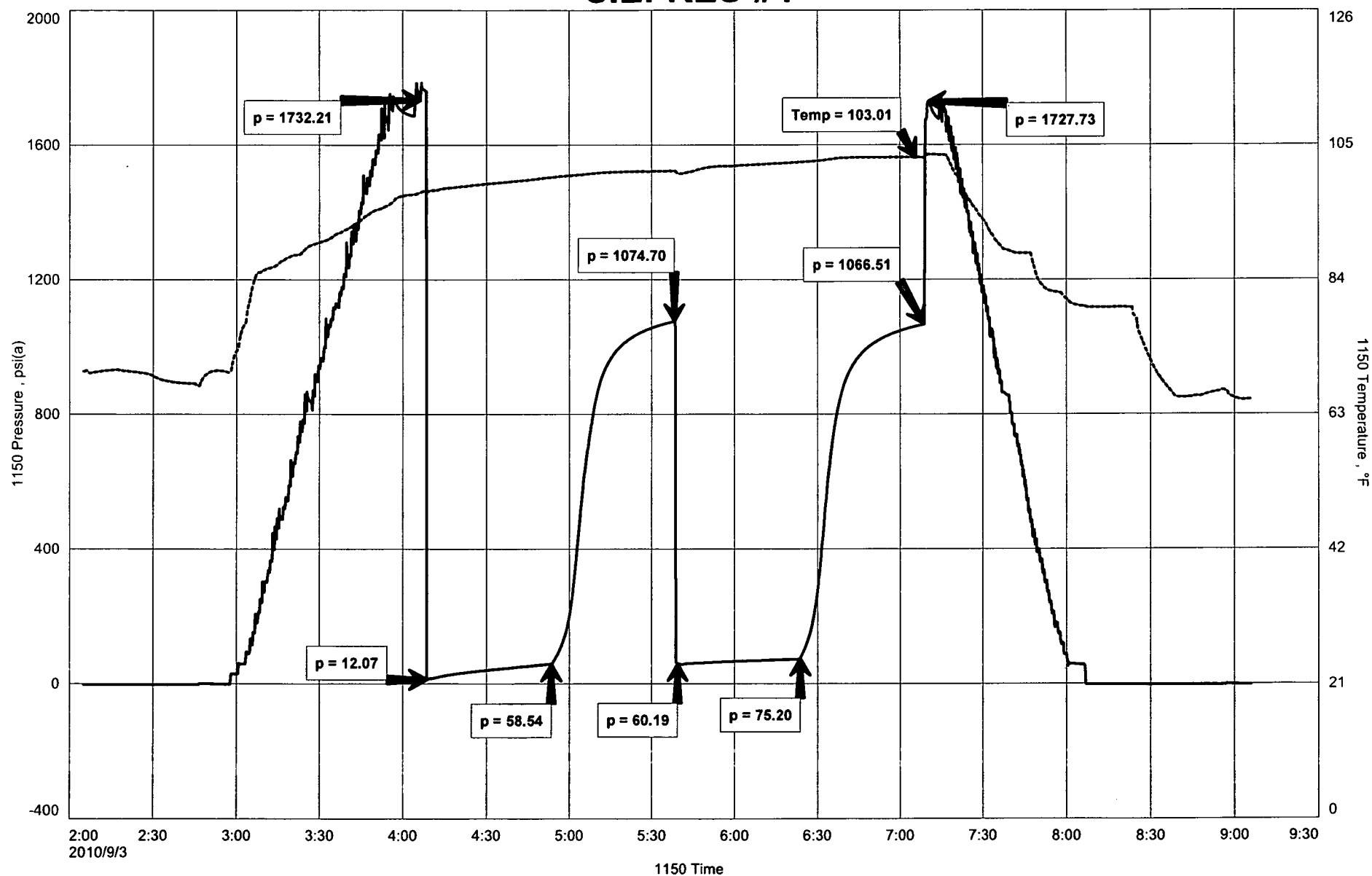
155' TOTAL FLUID

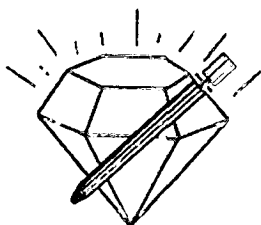
TOOL SAMPLE: 2% GAS, 44% OIL, 54% MUD

L. D. DRILLING, INC.
DST #3 ARBUCKLE 3,538' - 3,608'
Start Test Date: 2010/09/03
Final Test Date: 2010/09/03

SIEFKES #4
Formation: DST #3 ARBUCKLE 3,538' - 3,608'

SIEFKES #4





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

CLOCK ON: 02:05

CLOCK OFF: 09:06

DRILL-STEM TEST TICKET

Company L.D. DRILLING, INC. Lease & Well No. SIEFKES #1
Contractor PETROMARK #2 Charge to L.D. DRILLING, INC.
Elevation 1,845 KB Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. _____
Date 9.3.10 Sec. 27 Twp. 21 S Range 12 W County STAFFORD State KANSAS
Test Approved By JEFF CHRISTIAN Diamond Representative ROGER D. FRIEDLY

Formation Test No. 3 Interval Tested from 3,538 ft. to 3,608 ft. Total Depth 3,608 ft.
Packer Depth 3,533 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3,538 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3,536 ft. Recorder Number 1150 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3,605 ft. Recorder Number 3815 Cap. 5,700 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type CHEMICAL Viscosity 53 Drill Collar Length 121 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 11.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 6,000 P.P.M. Drill Pipe Length 3,391 ft. I.D. 3 1/2 in.
Jars: Make BOWEN Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-1F in.
Did Well Flow? NO Reversed Out NO Anchor Length 70 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31" DP IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/8" BLOW INCREASING TO 11" (W1/4"bb)
2nd Open: WEAK 1/4" BLOW INCREASING TO BOTTOM OF BUCKET IN 21 1/2 MIN (F2"bb)

Recovered 340 ft. of GAS IN PIPE
Recovered 94 ft. of G&HOCM 4% GAS, 36% OIL, 60% MUD
Recovered 61 ft. of G&HOCM 2% GAS, 36% OIL, 72% MUD
Recovered 155 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Remarks: _____	Other Charges
TOOL SAMPLE: 2% GAS, 44% OIL, 54% MUD	Insurance
	Total

Time Set Packer(s) 4:08 A.M. A.M. P.M. Time Started Off Bottom 7:08 A.M. A.M. P.M. Maximum Temperature 103
Initial Hydrostatic Pressure _____ (A) 1,732 P.S.I.
Initial Flow Period _____ Minutes 45 (B) 12 P.S.I. to (C) 59 P.S.I.
Initial Closed In Period _____ Minutes 45 (D) 1,075 P.S.I.
Final Flow Period _____ Minutes 45 (E) 60 P.S.I. to (F) 75 P.S.I.
Final Closed In Period _____ Minutes 45 (G) 1,067 P.S.I.
Final Hydrostatic Pressure _____ (H) 1,728 P.S.I.

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DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 30046.D809

Page 1 of 2 Pages

Company	L. D. Drilling, Inc.		Lease & Well No.	Siefkes No. 4	
Elevation	1845 KB	Formation	Arbuckle	Effective Pay	-- Ft. Ticket No. J2601
Date	9-3-10	Sec. 27	Twp. 21S	Range 12W	County Stafford State Kansas
Test Approved By	Jeff Christian		Diamond Representative	John C. Riedl	
Formation Test No.	4	Interval Tested from	3,608 ft. to	3,620 ft.	Total Depth 3,620 ft.
Packer Depth	3,603 ft.	Size	6 3/4 in.	Packer Depth	-- ft. Size -- in.
Packer Depth	3,608 ft.	Size	6 3/4 in.	Packer Depth	-- ft. Size -- in.
Depth of Selective Zone Set	ft.				
Top Recorder Depth (Inside)	3,611 ft.		Recorder Number	30046	Cap. 6,000 psi
Bottom Recorder Depth (Outside)	3,617 ft.		Recorder Number	11073	Cap. 4,000 psi
Below Straddle Recorder Depth	ft.		Recorder Number	Cap. psi	
Drilling Contractor	Petromark Drilling, LLC - Rig 2				
Mud Type	Chemical	Viscosity	52	Drill Collar Length	120 ft. ID. 2 1/4 in.
Weight	9.2	Water Loss	10.4 cc.	Weight Pipe Length	-- ft. ID. -- in.
Chlorides	9,000 P.P.M.		Drill Pipe Length	3,468 ft.	ID. 3 1/2 in.
Jars: Make	Sterling	Serial Number	Not Run	Test Tool Length	20 ft. Tool Size 3 1/2 - IF in.
Did Well Flow?	No	Reversed Out	No	Anchor Length	12 ft. Size 4 1/2 - FH in.
				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 10 mins. Strong blow back during shut-in.				
2nd Open:	Strong blow. Off bottom of bucket in 10 mins. Strong blow back during shut-in.				
Recovered	900 ft. of gas in pipe				
Recovered	280 ft. of very slightly mud cut gassy oil = 2.960300 bbls. (Grind out: 3%-mud; 20%-gas; 77%-oil)				
Recovered	10 ft. of muddy water = .049200 bbls. (Grind out: 20%-mud; 80%-water) Chlorides: 20,000 Ppm Gravity: 37 @ 60°				
Recovered	290 ft. of TOTAL FLUID = 3.009500 bbls.				
Recovered	ft. of				
Remarks					
Time Set Packer(s)	3:10	AM.	Time Started Off Bottom	6:10	AM.
	P.M.			P.M.	
Maximum Temperature	110°				
Initial Hydrostatic Pressure	(A) 1790 P.S.I.				
Initial Flow Period	Minutes	30	(B)	36	P.S.I. to (C) 85 P.S.I.
Initial Closed In Period	Minutes	45	(D)	986	P.S.I.
Final Flow Period	Minutes	45	(E)	95	P.S.I. to (F) 130 P.S.I.
Final Closed In Period	Minutes	60	(G)	972	P.S.I.
Final Hydrostatic Pressure	(H) 1718 P.S.I.				

GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone:

Fax:

e-mail:

Site Information:

Contact: JEFF CHRISTIAN

Phone:

Fax:

e-mail:

Well Information:

Name: SIEFKES #4

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface:

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JEFF CHISTIAN

Test Type: CONVENTIONAL

Job Number: D809

Test Unit:

Start Date: 2010/09/03

Start Time: 13:45:00

End Date: 2010/09/03

End Time: 19:40:00

Report Date: 2010/09/03

Prepared By: JOHN RIEDL

Remarks:

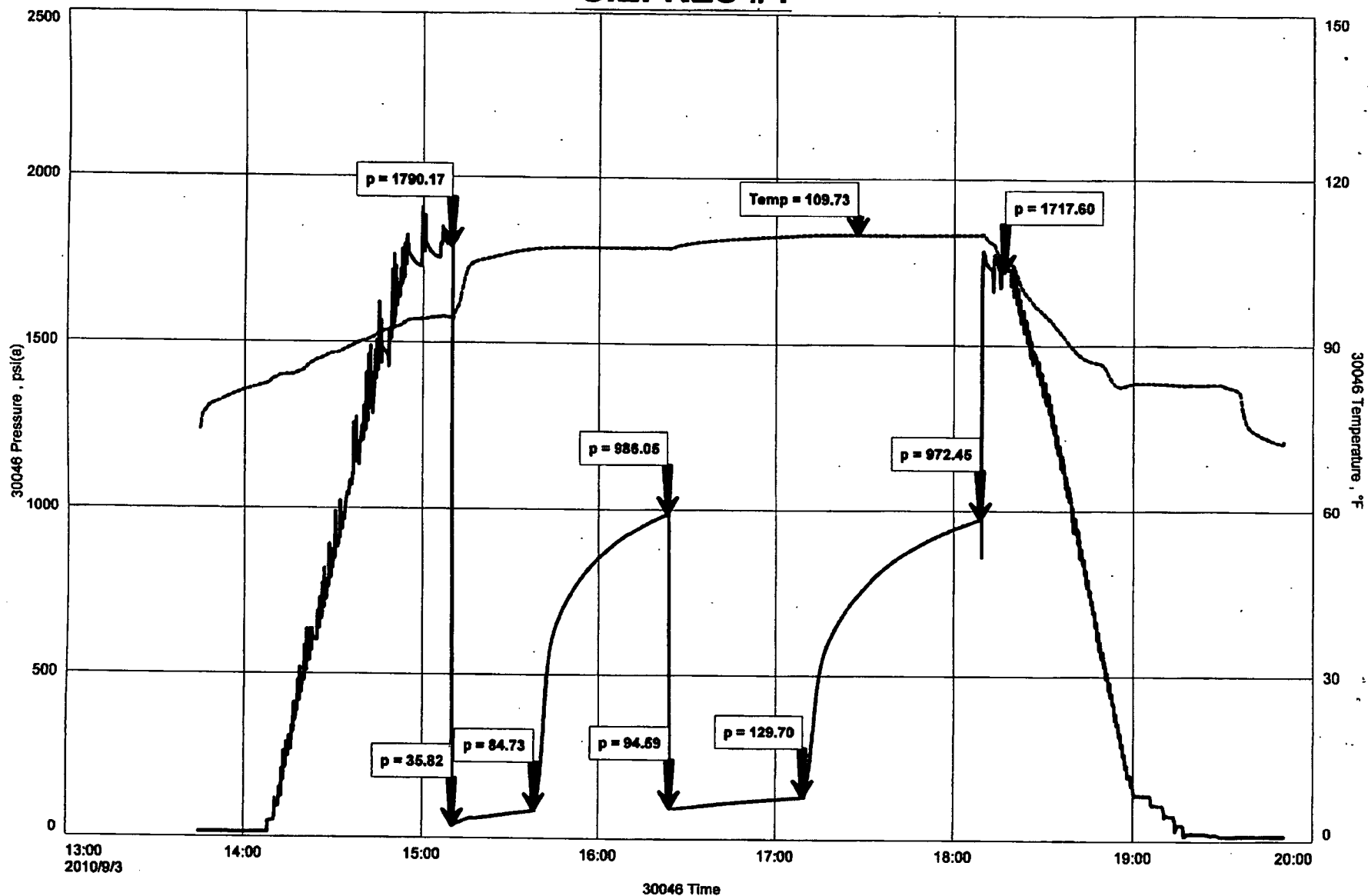
Qualified By: JEFF CHRISTIAN

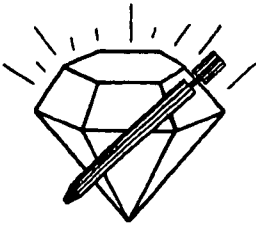
RECOVERY: 900 GIP, 280' SLIGHTLY MUD CUT GASSY OIL
10' MUDDY WATER

Start Test Date: 2010/09/03
Final Test Date: 2010/09/03

SIEFKES #4

SIEFKES #
Formation: ARBUCKLE
Job Number: D801





DIAMOND TESTING

P.O. Box 157
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STC 30046.D810

Page 1 of 2 Pages

Company L. D. Drilling, Inc. Lease & Well No. Siefkes No. 4

Elevation 1845 KB Formation Arbuckle Effective Pay -- Ft. Ticket No. J2602

Date 9-4-10 Sec. 27 Twp. 21S Range 12W County Stafford State Kansas

Test Approved By Jeff Christian Diamond Representative John C. Riedl

Formation Test No. 5 Interval Tested from 3,620 ft. to 3,630 ft. Total Depth 3,630 ft.

Packer Depth 3,615 ft. Size 63/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,620 ft. Size 63/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 3,623 ft. Recorder Number 30046 Cap. 6,000 psi

Bottom Recorder Depth (Outside) 3,627 ft. Recorder Number 11073 Cap. 4,000 psi

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

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 120 ft. I.D. 2 1/4 in.

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

Weight 9.2 Water Loss 10.4 cc. Drill Pipe Length 3,480 ft. I.D. 3 1/2 in.

Chlorides 9,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 10 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 23 mins. Weak blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket in 30 mins. Weak blow back during shut-in.

Recovered 270 ft. of gas in pipe

Recovered 20 ft. of gassy oil = .284600 bbls. (Grind out: 10%-gas; 90%-oil)

Recovered 200 ft. of water = 1.728800 bbls. (Chlorides: 22,000 Ppm)

Recovered 220 ft. of TOTAL FLUID = 2.013400 bbls.

Recovered -- ft. of --

Remarks --

Time Set Packer(s) 2:20 A.M. Time Started Off Bottom 5:20 A.M. Maximum Temperature 113°

Initial Hydrostatic Pressure (A) 1754 P.S.I.

Initial Flow Period Minutes 30 (B) 37 P.S.I. to (C) 90 P.S.I.

Initial Closed In Period Minutes 45 (D) 981 P.S.I.

Final Flow Period Minutes 45 (E) 96 P.S.I. to (F) 124 P.S.I.

Final Closed In Period Minutes 60 (G) 982 P.S.I.

Final Hydrostatic Pressure (H) 1721 P.S.I.

GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: JEFF CHRISTIAN

Phone: Fax: e-mail:

Well Information:

Name: SIEFKES #4

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: SEC 27/21S/12W STAFFORD CTY

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JEFF CHRISTIAN

Test Type: CONVENTIONAL

Job Number: D810

Test Unit:

Start Date: 2010/09/04

Start Time: 00:40:00

End Date: 2010/09/04

End Time: 07:10:00

Report Date: 2010/09/04

Prepared By: JOHN RIEDL

Remarks:

Qualified By: JEFF CHRISTIAN

RECOVERY: 270' GAS IN PIPE, 20' FREE OIL
200' WATER

Start Test Date: 2010/09/04
Final Test Date: 2010/09/04

SIEFKES #4

SIEFKES #4
Formation: ARBUCKLE
Job Number: D810

