

15-185-23606

10-215-12w

### DIAMOND TESTING

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30046.D697

Company L. D. Drilling, Inc. Lease & Well No.                      Stan No. 1-10  
 Elevation 1847 KB Formation Lansing/Kansas City "B" - "F" Effective Pay      Ft. Ticket No. J2494  
 Date 2-22-10 Sec. 10 Twp. 21S Range 12W County Stafford State Kansas  
 Test Approved By Kim B. Shoemaker Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 3,240 ft. to 3,305 ft. Total Depth 3,305 ft.  
 Packer Depth 3,235 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
 Packer Depth 3,240 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
 Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 3,243 ft. Recorder Number 30046 Cap. 6,000 psi  
 Bottom Recorder Depth (Outside) 3,302 ft. Recorder Number 11017 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 57 Weight Pipe Length      ft. I.D.      in.  
 Weight 8.9 Water Loss 7.2 cc. Drill Pipe Length 3,098 ft. I.D. 3 1/2 in.  
 Chlorides 1,000 P.P.M. Test Tool Length 22 ft. Tool Size 3 1/2 - IF in.  
 Jars: Make Sterling Serial Number Not Run Anchor Length 65 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 3 mins. Strong blow back during shut-in.  
 (SEE GAS VOLUME REPORT.)  
 2nd Open: Strong blow. Off bottom of bucket in 2 mins. Gas to surface throughout. Strong blow back during shut-in.  
 (SEE GAS VOLUME REPORT.)

Recovered 1,630 ft. of gassy oil = 22.077700 bbls. (Gravity: 32 @ 60°)  
 Recovered      ft. of       
 Recovered      ft. of       
 Recovered      ft. of       
 Recovered      ft. of     

Remarks     

Time Set Packer(s)	<u>3:20</u>	<u>A.M.</u> <u>PM</u>	Time Started Off Bottom	<u>6:20</u>	<u>A.M.</u> <u>PM</u>	Maximum Temperature	<u>106°</u>
Initial Hydrostatic Pressure			(A)	<u>1550</u>	P.S.I.		
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>147</u>	P.S.I. to (C)	<u>230</u>	P.S.I.
Initial Closed In Period	Minutes	<u>45</u>	(D)	<u>1040</u>	P.S.I.		
Final Flow Period	Minutes	<u>45</u>	(E)	<u>244</u>	P.S.I. to (F)	<u>401</u>	P.S.I.
Final Closed In Period	Minutes	<u>60</u>	(G)	<u>1037</u>	P.S.I.		
Final Hydrostatic Pressure			(H)	<u>1534</u>	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: 1-10 STAN

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S10/21S/12W STAFFORD CTY

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: D697

Test Unit:

Start Date: 2010/02/22 Start Time: 01:40:00

End Date: 2010/02/22 End Time: 09:30:00

Report Date: 2010/02/22 Prepared By: JOHN RIEDL

Qualified By: KIM SHOEMAKER

### Remarks:

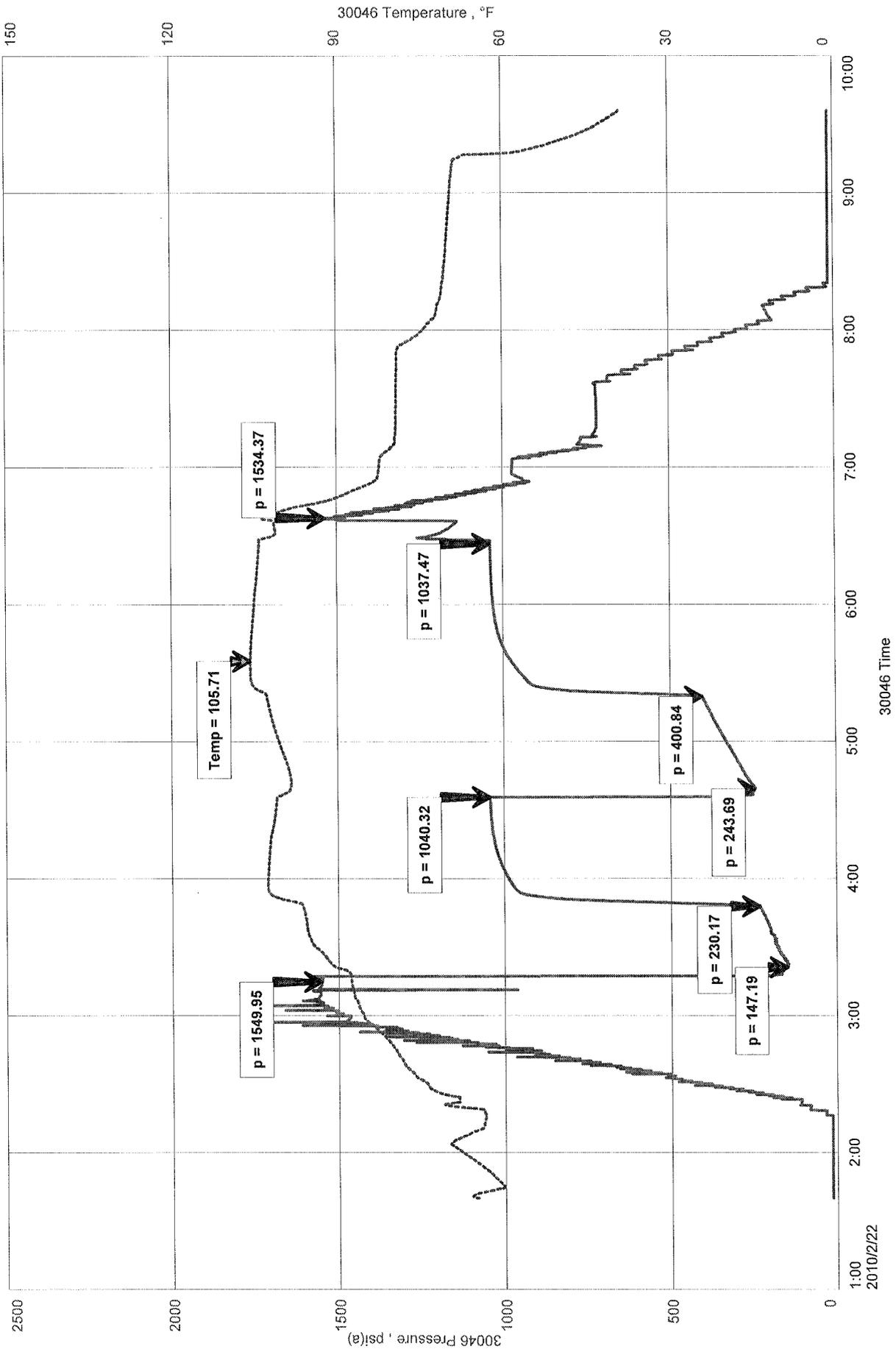
RECOVERY; GAS TO SURFACE 1ST FLOW  
1630' GASSY OIL

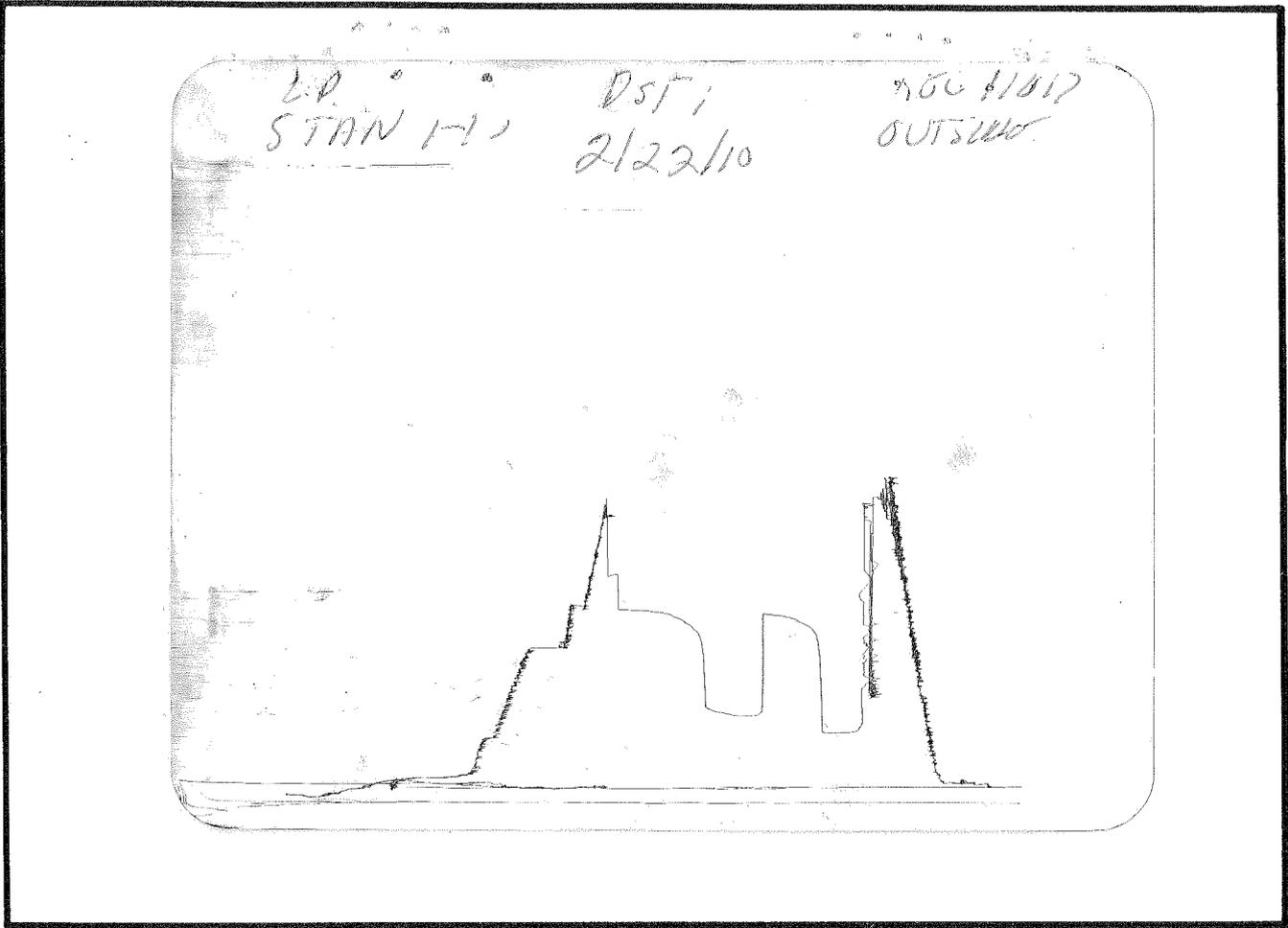


1-10 STAN  
Formation: LKC B/F  
Job Number: D697

L D DRILLING INC  
Start Test Date: 2010/02/22  
Final Test Date: 2010/02/22

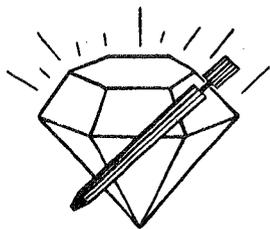
# 1-10 STAN





This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading	Office Reading		
(A) Initial Hydrostatic Mud .....	1550	1550		PSI
(B) First Initial Flow Pressure.....	147	147		PSI
(C) First Final Flow Pressure .....	230	230		PSI
(D) Initial Closed-in Pressure .....	1040	1040		PSI
(E) Second Initial Flow Pressure.....	244	244		PSI
(F) Second Final Flow Pressure.....	401	401		PSI
(G) Final Closed-in Pressure .....	1037	1037		PSI
(H) Final Hydrostatic Mud.....	1534	1534		PSI



# DIAMOND TESTING

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30046.D698

Company L. D. Drilling, Inc. Lease & Well No. Stan No. 1-10

Elevation 1847 KB Formation Lansing/Kansas City 'H' - 'K' Effective Pay -- Ft. Ticket No. J2495

Date 2-22-10 Sec. 10 Twp. 21S Range 12W County Stafford State Kansas

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

Formation Test No. 2 Interval Tested from 3,348 ft. to 3,450 ft. Total Depth 3,450 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 30046 Cap. 6,000 psi

Bottom Recorder Depth (Outside) 3,447 ft. Recorder Number 11017 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 10.0 cc. Drill Pipe Length 3,206 ft. I.D. 3 1/2 in.

Chlorides 5,000 P.P.M. Test Tool Length 22 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 102 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 3 mins. Strong blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 4 mins. Strong blow back during shut-in.

Recovered 400 ft. of gas in pipe

Recovered 110 ft. of slightly oil cut gassy mud = 1.565300 bbls. (Grind out: 5%-oil; 20%-gas; 75%-mud)

Recovered 300 ft. of slightly mud cut gassy oil = 3.151800 bbls. (Grind out: 5%-mud; 15%-gas; 80%-oil)

Recovered 410 ft. of TOTAL FLUID = 4.717100 bbls.

Recovered          ft. of         

Remarks         

Time Set Packer(s) 12:05 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 3:05 ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature 101°

Initial Hydrostatic Pressure ..... (A) 1633 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 75 P.S.I. to (C) 141 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 685 P.S.I.

Final Flow Period ..... Minutes 45 (E) 151 P.S.I. to (F) 201 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 623 P.S.I.

Final Hydrostatic Pressure ..... (H) 1596 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: 1-10 STAN

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S10/21S/12W STAFFORD CTY

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: D698

Test Unit:

Start Date: 2010/02/22 Start Time: 22:50:00

End Date: 2010/02/23 End Time: 05:30:00

Report Date: 2010/02/23 Prepared By: JOHN RIEDL

Qualified By: KIM SHOEMAKER

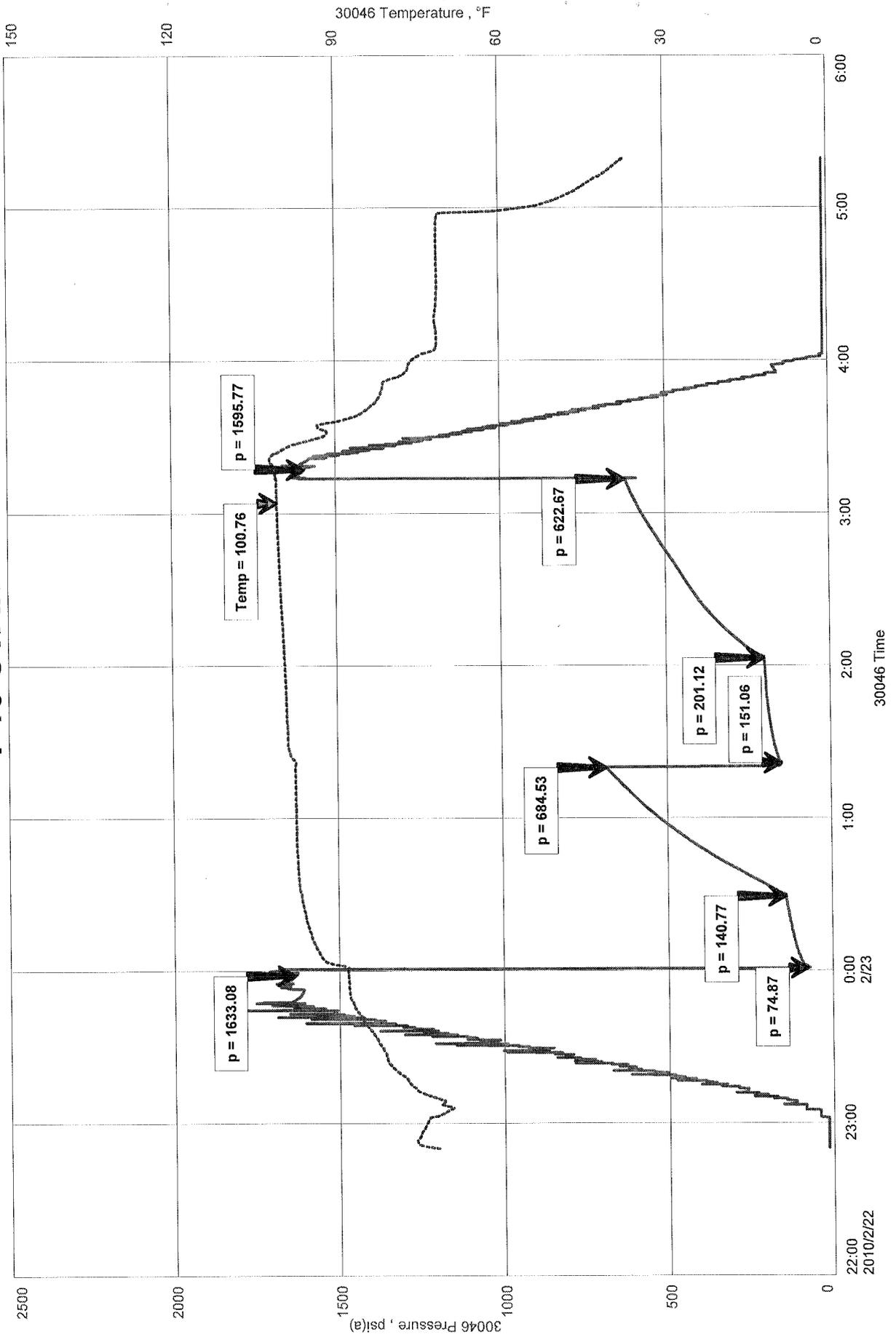
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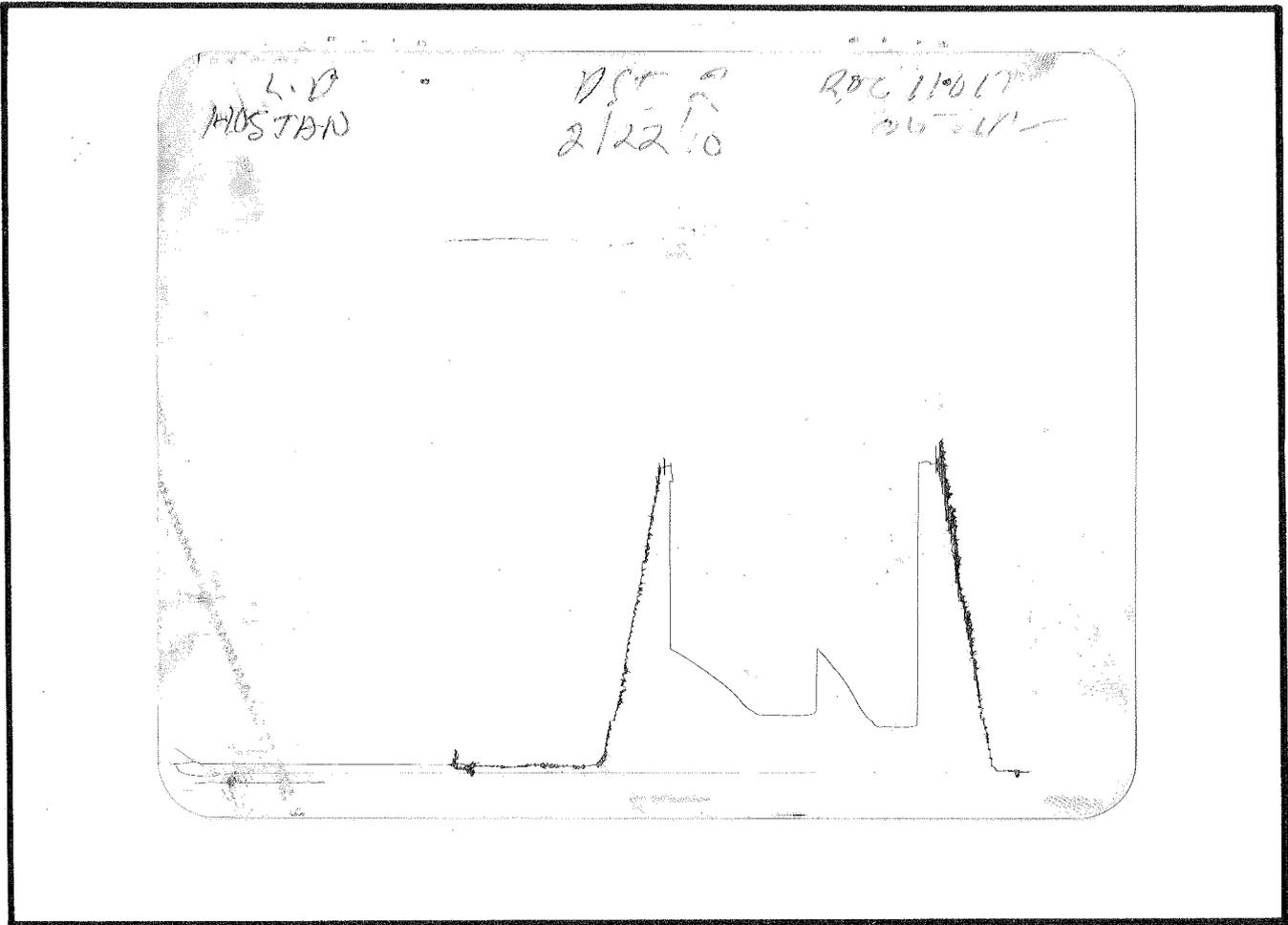
RECOVERY: 400' GAS IN PIPE  
110' SLIGHTLY OIL CUT GASSY MUD  
300' SLIGHTLY MUD CUT GASSY OIL

1-10 STAN  
Formation: LKC "H/K"  
Job Number: D698

# 1-10 STAN

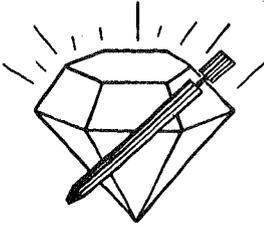
LD DRILLING INC  
Start Test Date: 2010/02/22  
Final Test Date: 2010/02/23





This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Elec. Office Reading	
(A) Initial Hydrostatic Mud .....	1633	1633	PSI
(B) First Initial Flow Pressure .....	75	75	PSI
(C) First Final Flow Pressure .....	141	141	PSI
(D) Initial Closed-in Pressure .....	685	685	PSI
(E) Second Initial Flow Pressure .....	151	151	PSI
(F) Second Final Flow Pressure .....	201	201	PSI
(G) Final Closed-in Pressure .....	623	623	PSI
(H) Final Hydrostatic Mud .....	1596	1596	PSI



**DIAMOND TESTING**  
 P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
 (620) 653-7550 • (800) 542-7313  
 STC 30046.D699

Company L. D. Drilling, Inc. Lease & Well No. Stan No. 1-10  
 Elevation 1847 KB Formation Arbuckle Effective Pay      Ft. Ticket No. J2496  
 Date 2-23-10 Sec. 10 Twp. 21S Range 12W County Stafford State Kansas  
 Test Approved By Kim B. Shoemaker Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 3,448 ft. to 3,515 ft. Total Depth 3,515 ft.  
 Packer Depth 3,443 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
 Packer Depth 3,448 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
 Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 3,451 ft. Recorder Number 30046 Cap. 6,000 psi  
 Bottom Recorder Depth (Outside) 3,512 ft. Recorder Number 11017 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 55 Weight Pipe Length      ft. I.D.      in.  
 Weight 9.0 Water Loss 11.2 cc. Drill Pipe Length 3,306 ft. I.D. 3 1/2 in.  
 Chlorides 9,000 P.P.M. Test Tool Length 22 ft. Tool Size 3 1/2 - IF in.  
 Jars: Make Sterling Serial Number Not Run Anchor Length 67 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: Good blow, slowly building to 7 ins. No blow back during shut-in.  
2nd Open: Good blow, slowly building to 6 ins. Weak, blow back during shut-in.

Recovered 80 ft. of gas in pipe  
 Recovered 40 ft. of gassy oil = .569200 bbls. (Grind out: 20%-gas; 80%-oil) Gravity: 37 @ 60°  
 Recovered 120 ft. of gas & oil cut mud = .590400 bbls. (Grind out: 15%-gas; 35%-oil; 50%-mud)  
 Recovered 160 ft. of TOTAL FLUID = 1.159600 bbls.  
 Recovered      ft. of     

Remarks     

Time Set Packer(s) 2:45 <sup>XXM.</sup> P.M. Time Started Off Bottom 5:45 <sup>XXM.</sup> P.M. Maximum Temperature 95°  
 Initial Hydrostatic Pressure ..... (A) 1668 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 54 P.S.I. to (C) 79 P.S.I.  
 Initial Closed In Period ..... Minutes 45 (D) 320 P.S.I.  
 Final Flow Period ..... Minutes 45 (E) 83 P.S.I. to (F) 88 P.S.I.  
 Final Closed In Period ..... Minutes 60 (G) 260 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1639 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: 1-10 STAN

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S10/21S/12W STAFFORD CTY

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: D699

Test Unit:

Start Date: 2010/02/23 Start Time: 13:30:00

End Date: 2010/02/23 End Time: 19:15:00

Report Date: 2010/02/23 Prepared By: JOHN RIEDL,

Qualified By: KIM SHOEMAKER

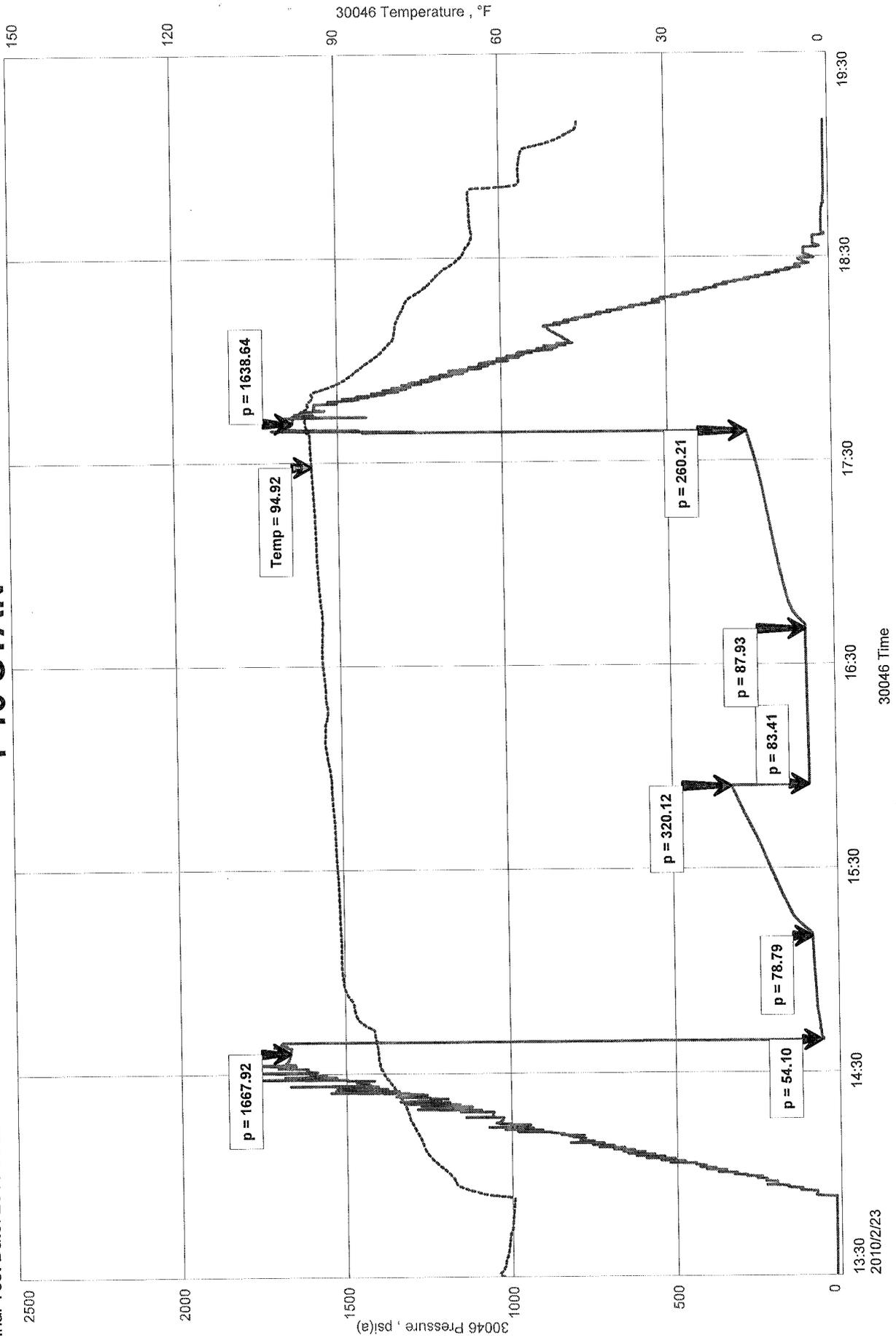
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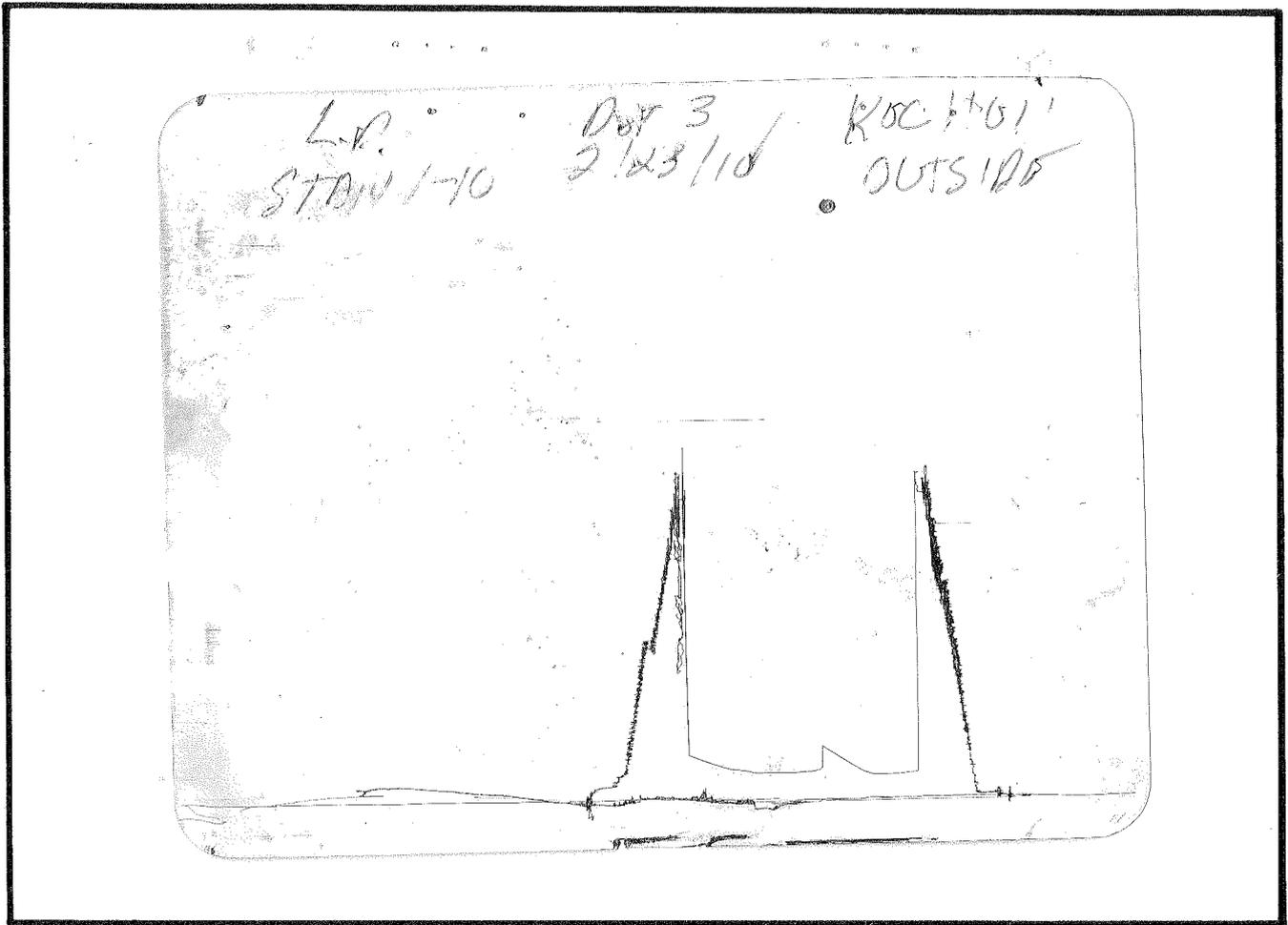
RECOVERY: 80' GAS IN PIPE  
40' GASSY OIL  
120' GAS + OIL CUT MUD

1-10 STAN  
Formation: ARBUCKLE  
Job Number: D699

# 1-10 STAN

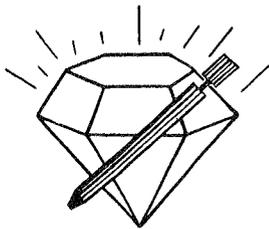
L D DRILLING INC  
Start Test Date: 2010/02/23  
Final Test Date: 2010/02/23





This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading			
(A) Initial Hydrostatic Mud	1668		1668	PSI
(B) First Initial Flow Pressure	54		54	PSI
(C) First Final Flow Pressure	79		79	PSI
(D) Initial Closed-in Pressure	320		320	PSI
(E) Second Initial Flow Pressure	83		83	PSI
(F) Second Final Flow Pressure	88		88	PSI
(G) Final Closed-in Pressure	260		260	PSI
(H) Final Hydrostatic Mud	1639		1639	PSI



# DIAMOND TESTING

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30046.D700

Company L. D. Drilling, Inc. Lease & Well No.            Stan No. 1-10

Elevation 1847 KB Formation Arbuckle Effective Pay            Ft. Ticket No. J2497

Date 2-24-10 Sec. 10 Twp. 21S Range 12W County Stafford State Kansas

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

Formation Test No. 4 Interval Tested from 3,512 ft. to 3,530 ft. Total Depth 3,530 ft.

Packer Depth 3,507 ft. Size 6 3/4 in. Packer Depth            ft. Size            in.

Packer Depth 3,512 ft. Size 6 3/4 in. Packer Depth            ft. Size            in.

Depth of Selective Zone Set            ft.

Top Recorder Depth (Inside) 3,515 ft. Recorder Number 30046 Cap. 6,000 psi

Bottom Recorder Depth (Outside) 3,527 ft. Recorder Number 11017 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 55 Weight Pipe Length            ft. I.D.            in.

Weight 9.1 Water Loss 12.0 cc. Drill Pipe Length 3,370 ft. I.D. 3 1/2 in.

Chlorides 10,000 P.P.M. Test Tool Length 22 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 18 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 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Strong blow. Off bottom of bucket in 1 min. No blow back during shut-in.

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

Recovered 60 ft. of gas in pipe

Recovered 1,750 ft. of gassy oil (very slightly mud cut in places) = 23.764100 bbls. (Grind out: 10%-gas; 90%-oil)  
Gravity: 37 @ 60°

Recovered 1,750 ft. of TOTAL FLUID = 23.764100 bbls.

Recovered            ft. of           

Recovered            ft. of           

Remarks           

Time Set Packer(s) 1:40 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 4:40 ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature 114°

Initial Hydrostatic Pressure            (A) 1701 P.S.I.

Initial Flow Period            Minutes 30 (B) 119 P.S.I. to (C) 414 P.S.I.

Initial Closed In Period            Minutes 45 (D) 869 P.S.I.

Final Flow Period            Minutes 45 (E) 431 P.S.I. to (F) 587 P.S.I.

Final Closed In Period            Minutes 60 (G) 813 P.S.I.

Final Hydrostatic Pressure            (H) 1663 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: 1-10 STAN

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S10/21S/12W STAFFORD CTY

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: D700

Test Unit:

Start Date: 2010/02/24 Start Time: 01:30:00

End Date: 2010/02/24 End Time: 08:30:00

Report Date: 2010/02/24 Prepared By: JOHN RIEDL

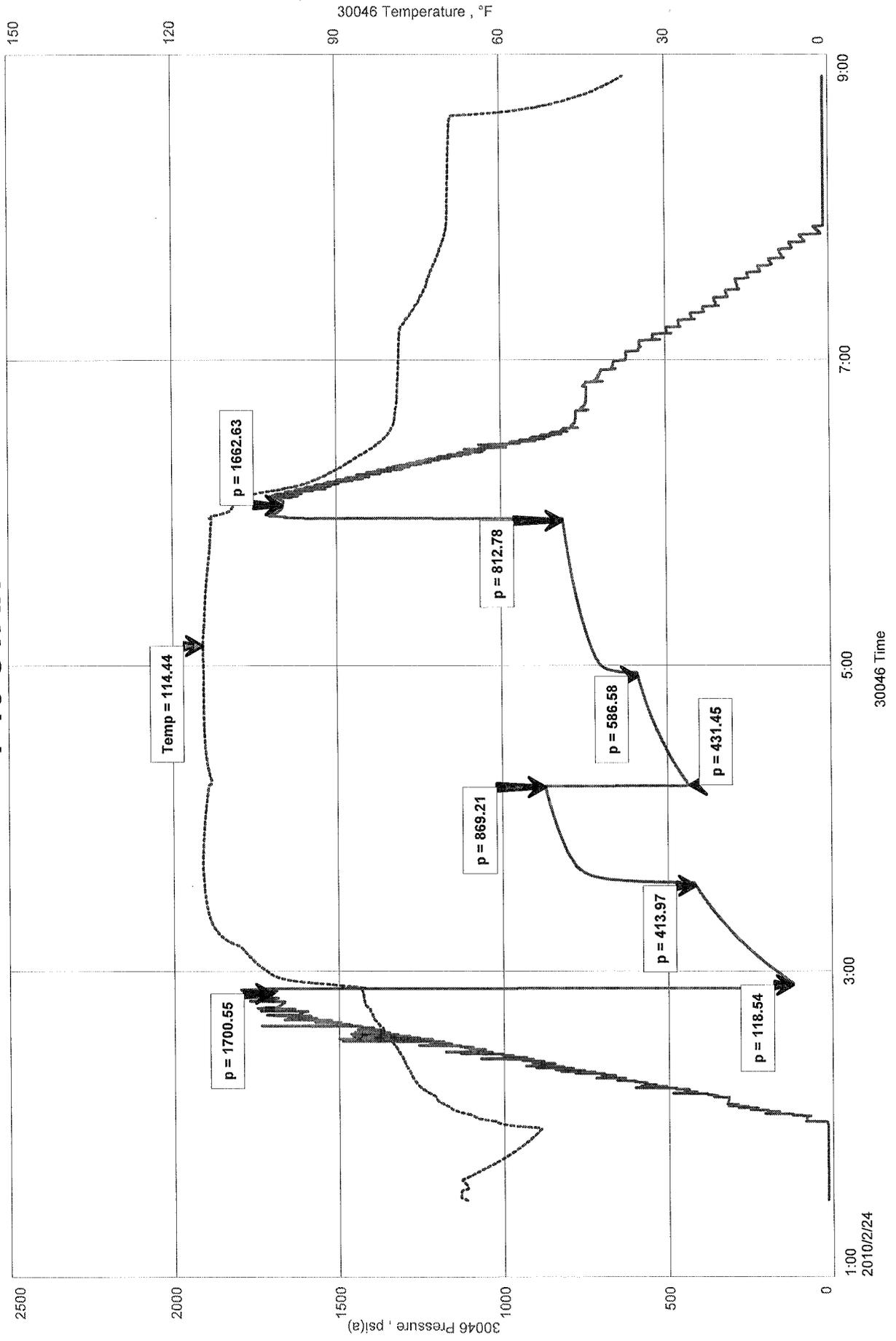
Remarks: Qualified By: KIM SHOEMAKER

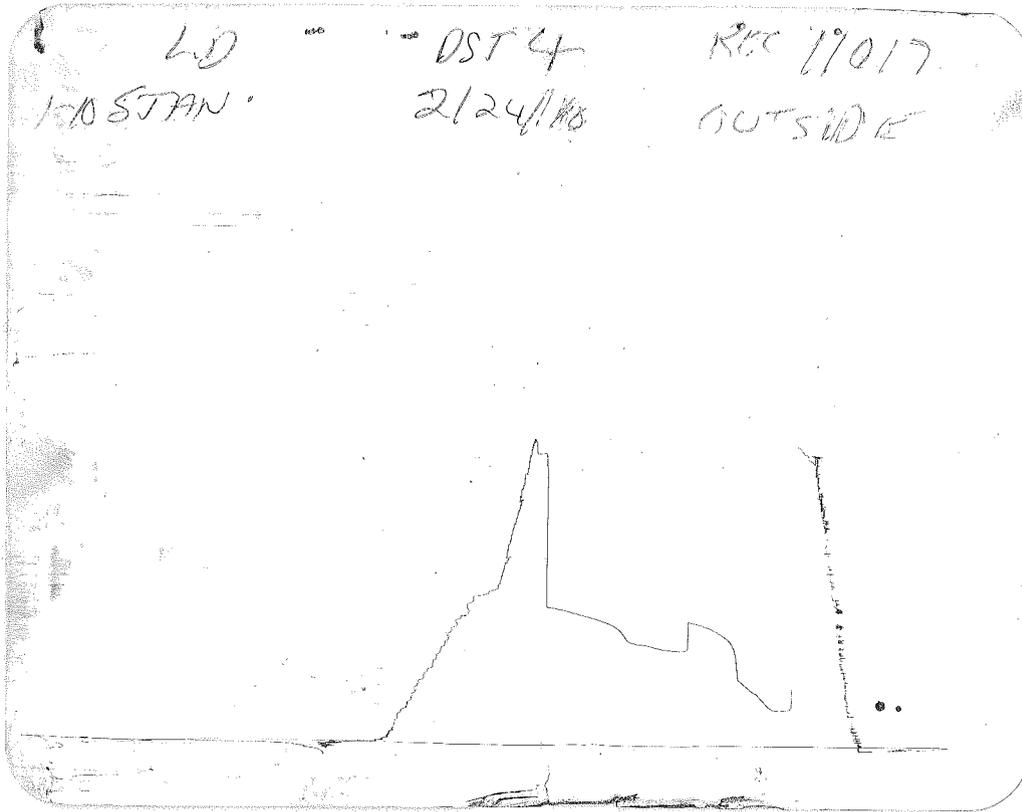
RECOVERY: 60' GAS IN PIPE  
1750 GASSY OIL (SOME OF IT SLIGHTLY MUD CUT)

1-10 STAN  
Formation: ARBUCKLE  
Job Number: D700

L D DRILLING INC  
Start Test Date: 2010/02/24  
Final Test Date: 2010/02/24

# 1-10 STAN





This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading			
(A) Initial Hydrostatic Mud .....	1701	1701		PSI
(B) First Initial Flow Pressure.....	119	119		PSI
(C) First Final Flow Pressure .....	414	414		PSI
(D) Initial Closed-in Pressure .....	869	869		PSI
(E) Second Initial Flow Pressure.....	431	431		PSI
(F) Second Final Flow Pressure.....	587	587		PSI
(G) Final Closed-in Pressure.....	813	813		PSI
(H) Final Hydrostatic Mud.....	1663	1663		PSI