Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1238339

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 6039
Name: L. D. Drilling, Inc.
Address 1: 7 SW 26TH AVE
Address 2:
City: GREAT BEND State: KS Zip: 67530 + 6525
Contact Person: L. D. DAVIS
Phone: (620) 793-3051
CONTRACTOR: License # 33323
Name: Petromark Drilling, LLC
Wellsite Geologist: KURT TALBOT
Purchaser: MV PURCHASING

Designate Type of Completion:
☑ New Well ☐ Re-Entry ☐ Workover

☑ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:
Operator:
Well Name:
Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

11/22/2014	11/29/2014	12/24/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-009-26056-00-00
Spot Description:
NW SE SW NE Sec. 6 Twp. 18 S. R. 13 ☐ East ☑ West
2030 Feet from ☑ North / ☐ South Line of Section
1840 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Barton
Lease Name: J & J Well #: 1-6
Field Name: NA
Producing Formation: ARBUCKLE
Elevation: Ground: 1831 Kelly Bushing: 1836
Total Vertical Depth: 3400 Plug Back Total Depth: 3362
Amount of Surface Pipe Set and Cemented at: 804 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 6000 ppm Fluid volume: 500 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: L D DRILLING, INC.
Lease Name: DON #3 OWWO License #: 6039
Quarter NE Sec. 12 Twp. 18 S. R. 14 ☐ East ☑ West
County: BARTON Permit #: D28411.0

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

☐ **Confidentiality Requested**
Date:
☐ **Confidential Release Date:**
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 01/15/2015

1238339

Operator Name: L. D. Drilling, Inc. Lease Name: J & J Well #: 1-6

Sec. 6 Twp. 18 S. R. 13 ☐ East ☑ West County: Barton

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

COMPENSATEDC DENSITY / NEUTRON LOG
DUAL INDUCTION LOG
MICRO LOG

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name Attached Top Attached Datum Attached

CASING RECORD ☑ New ☐ Used
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12.25	8.625	24	804	COMMON	200	2%CC, 1/4#Cellflake
SURFACE cont	12.25	8.625	24	804	A-CONN	175	
PRODUCTION used	7.875	5.5	15	3387	COMMON	180	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☑ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	3325-3337	COMMON	200	1% FLA-322
	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
4	3325 - 3331'; 3229 - 3232'	500 gal 15% Acid	3225 - 3231'
4	3325 - 3327'	500 gal 28% Acid	2329 - 2332'
		500 gal 28% Acid	3325 - 3327'

TUBING RECORD: Size: 2.875 Set At: 3357 Packer At:

Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 01/03/2015

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	J & J 1-6
Doc ID	1238339

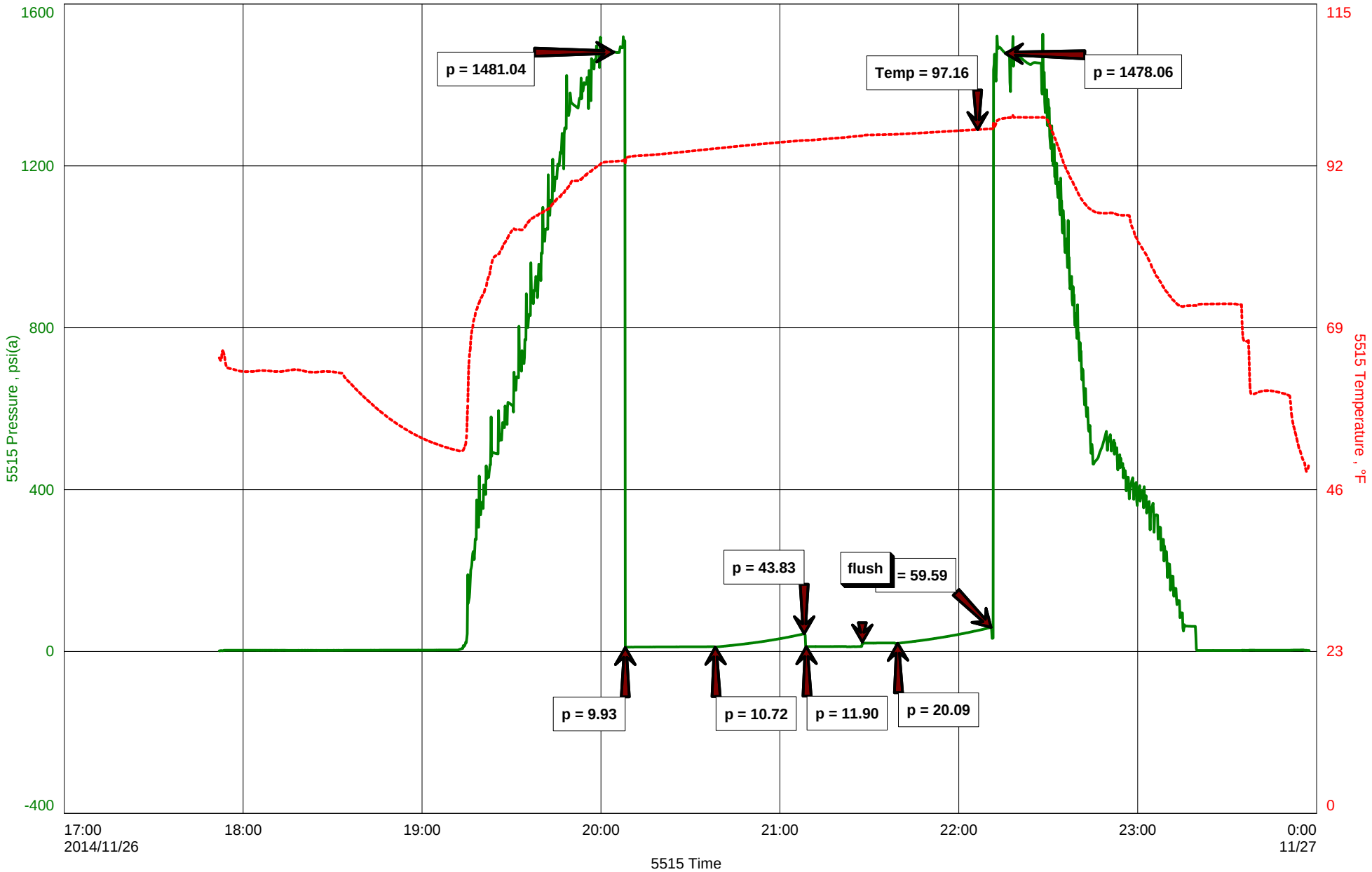
Tops

Name	Top	Datum
ANHYDRITE	773	+1063
BASE ANHYDRITE	794	+1042
HEEBNER	3004	-1166
TORONTO	3018	-1182
DOUGLAS	3028	-1192
BROWN LIME	3083	-1247
LANSING	3099	-1263
BASE KANSAS CITY	3291	-1455
ARBUCKLE	3320	-1484

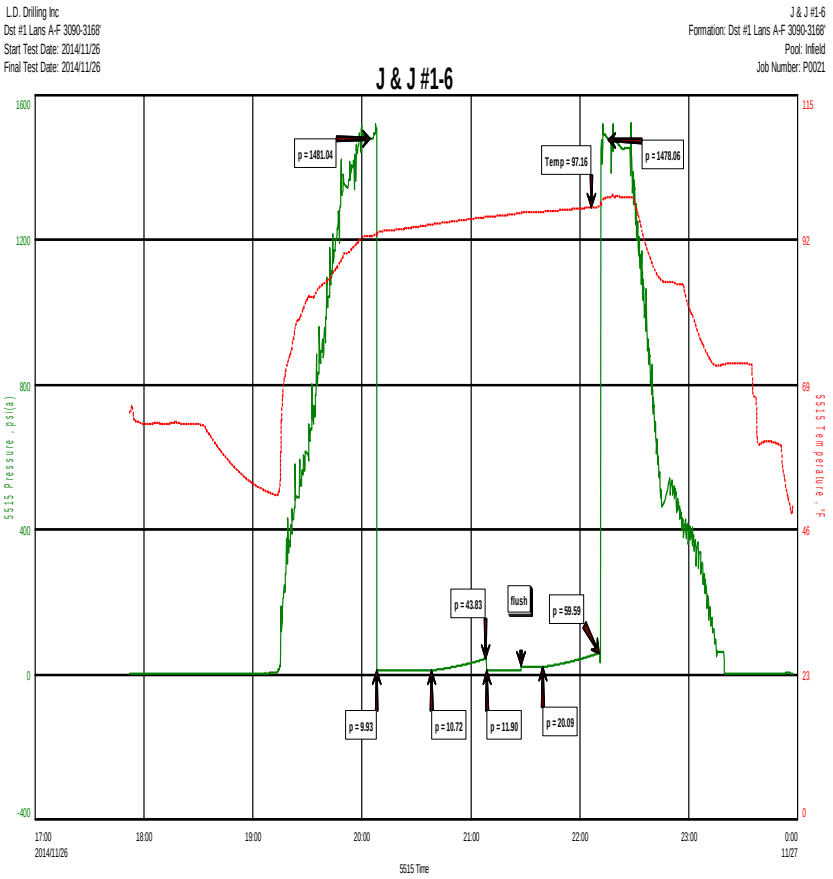
L.D. Drilling Inc
Dst #1 Lans A-F 3090-3168'
Start Test Date: 2014/11/26
Final Test Date: 2014/11/26

J & J #1-6
Formation: Dst #1 Lans A-F 3090-3168'
Pool: Infield
Job Number: P0021

J & J #1-6



JACOB MCCALLIE
620-627-7116
mccallie.dtllc@gmail.com



General Information

Company Name L.D. Drilling Inc

Contact	L.D. Davis
Well Name	J & J #1-6
Unique Well ID	Dst #1 Lans A-F 3090-3168'
Surface Location	Sec6-18s-13w Barton County
Field	NA
Well Operator	L.D. Drilling Inc
Test Type	Drill Stem Test
Well Type	Vertical
Formation	Dst #1 Lans A-F 3090-3168'
Well Fluid Type	01 Oil
Test Purpose (AEUB)	Initial Test
Start Test Date	2014/11/26
Start Test Time	17:52:00
Final Test Date	2014/11/26
Final Test Time	23:58:00
Job Number	P0021
Representative	Michael Carroll
Prepared By	Michael Carroll
Report Date	2014/11/26

FLUID RECOVERY

RECOVERY:

15'MUD **100%M**

TOTAL FLUID:

15'MUD

TOOL SAMPLE:

100%M WITH A FEW OIL SPECKS

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

DRILL-STEM TEST TICKET

FILE: J&J1-6Dst#1

TIME ON: 1752

TIME OFF: 2358

Company L.D. Drilling Inc — Lease & Well No. J & J #1-6

Contractor Petromark Rig 2 — Charge to L.D. Drilling Inc

Elevation 1836KB Formation Lans A-F Effective Pay ____ Ft. Ticket No. P0021

Date 11-26-14 Sec. 6 Twp. 18 S Range 13 W County Barton State KANSAS

Test Approved By Kurt Talbott — Diamond Representative Michael Carroll

---

Formation Test No. 1 Interval Tested from 3090 ft. to 3168 ft. Total Depth 3168 ft.

Packer Depth 3085 ft. Size 6 3/4 in. — Packer depth -- ft. Size 6 3/4 in.

Packer Depth 3090 ft. Size 6 3/4 in. — Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 3078 ft. — Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 3155 ft. — Recorder Number 5586 Cap. 5,000 P.S.I.

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

Mud Type Chem Viscosity 54 — Drill Collar Length 123 ft. I.D. 2 1/4 in.

Weight 9.0 Water Loss 8.8 cc. — Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 5300 P.P.M. — Drill Pipe Length 2941 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number NA — Test Tool Length 26 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO — Anchor Length 78(15.5A) ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. — Surface Choke Size 1 in. Bottom Choke Size 5/8 in

---

Blow: 1st Open: 1/4"BLOW-DIMINISHED AND DIED IN 20MINS NOBB

2nd Open: NO BLOW-FLUSHED TOOL-WSB DIED IN 3MINS NOBB

Recovered 15 ft. of Mud 100%M

Recovered 15 ft. of TOTAL FLUID

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Remarks: TOOL SAMPLE: 100%M WITH A FEW OIL SPECKS

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 8:08P.M. A.M. P.M. Time Started Off Bottom 10:08P.M. A.M. P.M. Maximum Temperature 97

Initial Hydrostatic Pressure ..... (A) 1481 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 10 P.S.I. to (C) 11 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 44 P.S.I.

Final Flow Period ..... Minutes 30 (E) 12 P.S.I. to (F) 20 P.S.I.

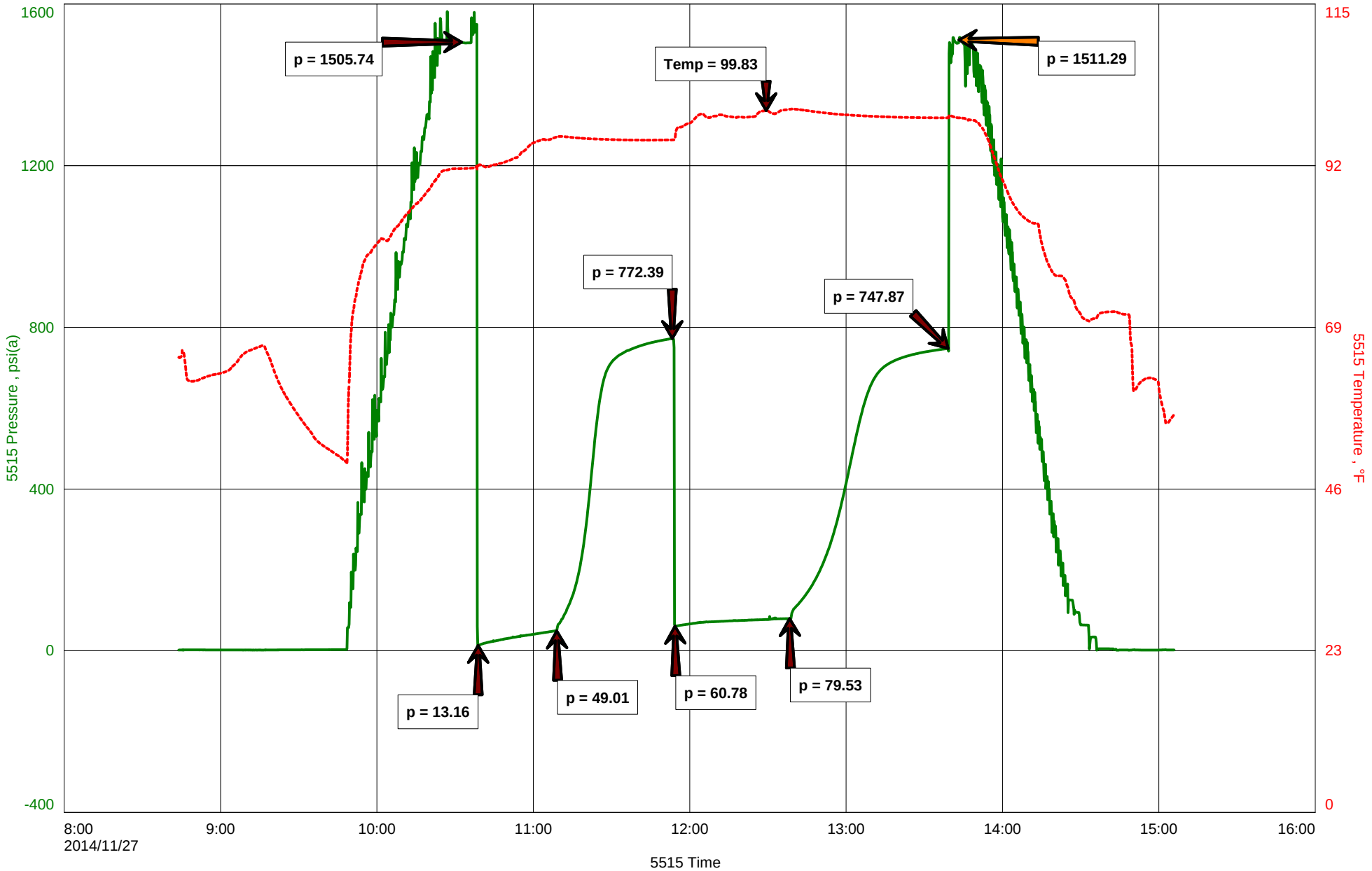
Final Closed In Period ..... Minutes 30 (G) 60 P.S.I.

Final Hydrostatic Pressure ..... (H) 1478 P.S.I.

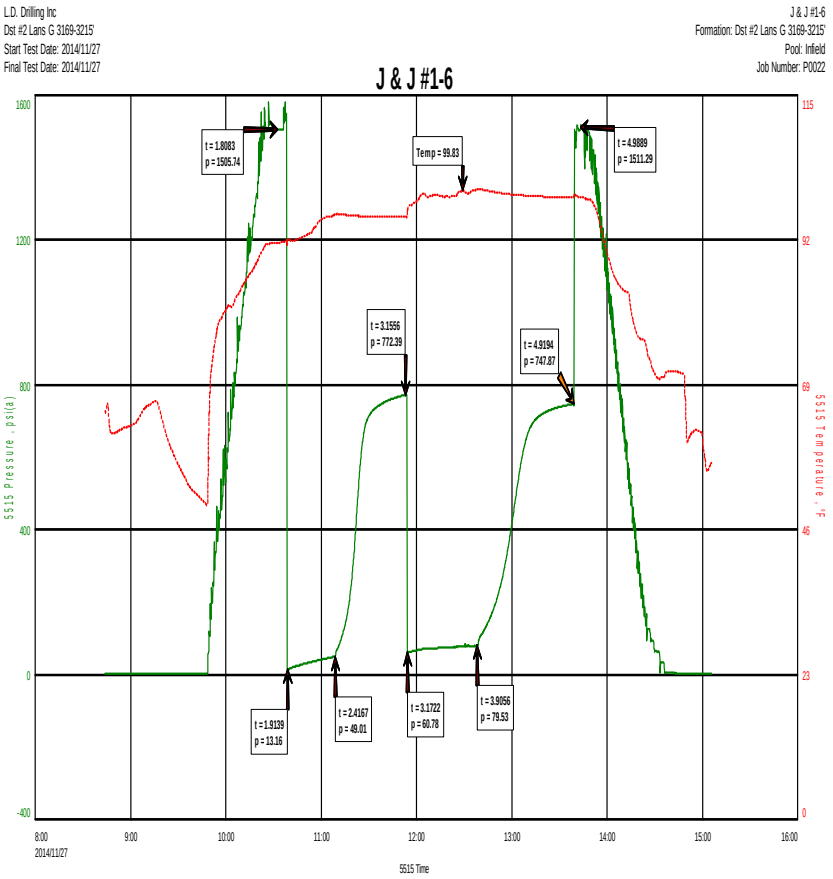
L.D. Drilling Inc
Dst #2 Lans G 3169-3215'
Start Test Date: 2014/11/27
Final Test Date: 2014/11/27

J & J #1-6
Formation: Dst #2 Lans G 3169-3215'
Pool: Infield
Job Number: P0022

J & J #1-6



JACOB MCCALLIE
620-627-7116
mccallie.dtllc@gmail.com



General Information

Company Name L.D. Drilling Inc

Contact	L.D. Davis
Well Name	J & J #1-6
Unique Well ID	Dst #2 Lans G 3169-3215'
Surface Location	Sec6-18s-13w Barton County
Field	NA
Well Operator	L.D. Drilling Inc
Test Type	Drill Stem Test
Well Type	Vertical
Formation	Dst #2 Lans G 3169-3215'
Well Fluid Type	01 Oil
Test Purpose (AEUB)	Initial Test
Start Test Date	2014/11/27
Start Test Time	08:44:00
Final Test Date	2014/11/27
Final Test Time	15:06:00
Job Number	P0022
Representative	Michael Carroll
Prepared By	Michael Carroll
Report Date	2014/11/27

FLUID RECOVERY

Recovery:

138' SOCM 2%O 98%M

Total Fluid:

138'

Tool Sample:

100%M

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

DRILL-STEM TEST TICKET

FILE: J&J1-6Dst#2

TIME ON: 0844

TIME OFF: 1506

Company L.D. Drilling Inc — Lease & Well No. J & J #1-6

Contractor Petromark Rig 2 — Charge to L.D. Drilling Inc

Elevation 1836KB Formation Lans G Effective Pay ____ Ft. Ticket No. P0022

Date 11-27-14 Sec. 6 Twp. 18 S Range 13 W County Barton State KANSAS

Test Approved By Kurt Talbott — Diamond Representative Michael Carroll

Formation Test No. 2 Interval Tested from 3169 ft. to 3215 ft. Total Depth 3215 ft.

Packer Depth 3164 ft. Size 6 3/4 in. — Packer depth -- ft. Size 6 3/4 in.

Packer Depth 3169 ft. Size 6 3/4 in. — Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 3157 ft. — Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 3203 ft. — Recorder Number 5586 Cap. 5,000 P.S.I.

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

Mud Type Chem Viscosity 55 — Drill Collar Length 123 ft. I.D. 2 1/4 in.

Weight 9.3 Water Loss 8.0 cc. — Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 6100 P.P.M. — Drill Pipe Length 3020 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number NA — Test Tool Length 26 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO — Anchor Length 46(14.5a) ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. — Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: 1/4"BLOW-BUILT TO 4" IN 30MINS — NOBB

2nd Open: 1/2"BLOW-BUILT TO 3 3/4" IN 45MINS — NOBB

Recovered 138 ft. of SOCM 2%O 98%M

Recovered 138 ft. of TOTAL FLUID

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Remarks: TOOL SAMPLE: 100%M

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 10:37A.M. A.M. P.M. Time Started Off Bottom 1:37P.M. A.M. P.M. Maximum Temperature 100

Initial Hydrostatic Pressure ..... (A) 1506 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 13 P.S.I. to (C) 49 P.S.I.

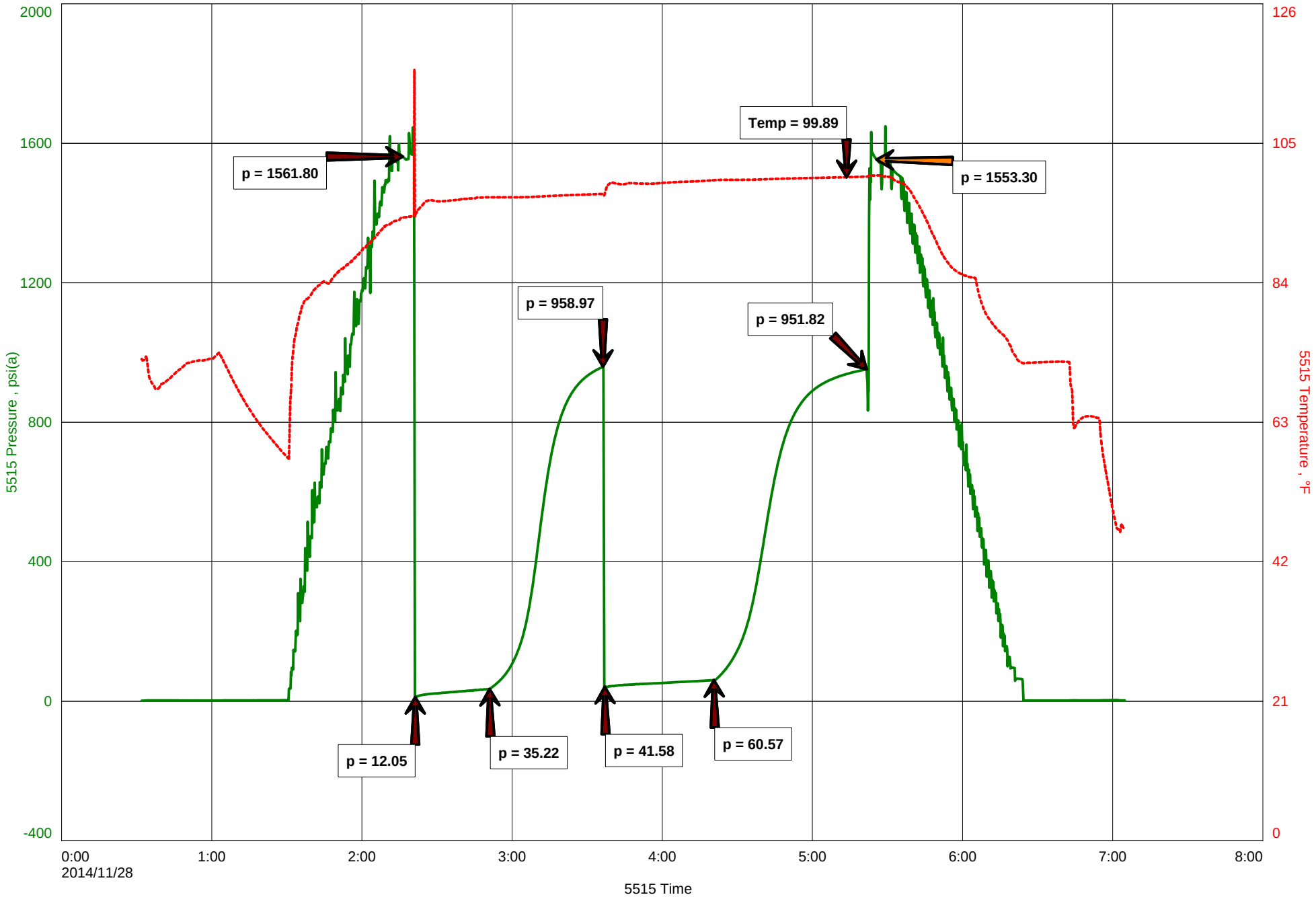
Initial Closed In Period ..... Minutes 45 (D) 772 P.S.I.

Final Flow Period ..... Minutes 45 (E) 61 P.S.I. to (F) 80 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 748 P.S.I.

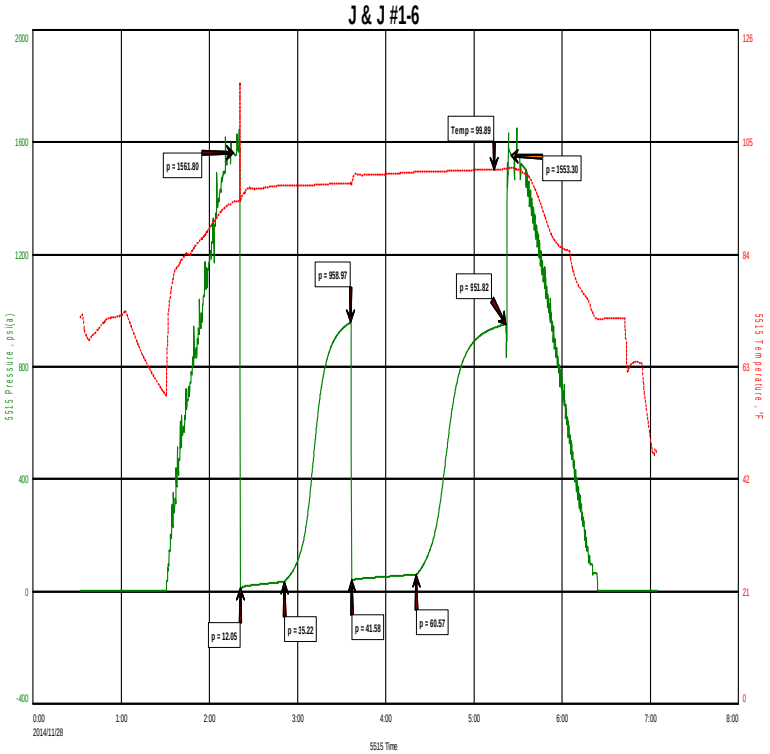
Final Hydrostatic Pressure ..... (H) 1511 P.S.I.

J & J #1-6


2000
1600
1200
800
400
0
-400
5515 Pressure , psi(a)
126
105
84
63
42
21
0
5515 Temperature , °F
0:00
2014/11/28
1:00
2:00
3:00
4:00
5:00
6:00
7:00
8:00
5515 Time
p = 1561.80
Temp = 99.89
p = 1553.30
p = 958.97
p = 951.82
p = 12.05
p = 35.22
p = 41.58
p = 60.57

Michael Carroll
620-617-0368
carroll.dtllc@gmail.com

Hoisington, Kansas



General Information

Company Name L.D. Drilling Inc

Contact	L.D. Davis
Well Name	J & J #1-6
Unique Well ID	Dst #3 Lans H-K 3215-3295'
Surface Location	Sec6-18s-13w Barton County
Field	NA
Well Type	Vertical
Test Type	Drill Stem Test
Well Operator	L.D. Drilling Inc
Formation	Dst #3 Lans H-K 3215-3295'
Well Fluid Type	01 Oil
Test Purpose	Initial Test
Start Test Date	2014/11/28
Start Test Time	00:32:00
Final Test Time	07:04:00
Job Number	P0023
Report Date	2014/11/28
Prepared By	Michael Carroll

TEST RECOVERY

Remarks **Recovery:** 209' GIP

42' OCM 8%O 92%M

61' GCWM 8%G 28%O 2%W 62%M

TOTAL FLUID: 103'

TOOL SAMPLE: 20%O 30%W 50%M

Chlorides 18000
PH 7
RW .68 @ 34 Degrees

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

DRILL-STEM TEST TICKET

FILE: J&J1-6Dst#3

TIME ON: 0032

TIME OFF: 0704

Company L.D. Drilling Inc — Lease & Well No. J & J #1-6

Contractor Petromark Rig 2 — Charge to L.D. Drilling Inc

Elevation 1836KB Formation Lans H-K Effective Pay ____ Ft. Ticket No. P0023

Date 11-28-14 Sec. 6 Twp. 18 S Range 13 W County Barton State KANSAS

Test Approved By Kurt Talbott — Diamond Representative Michael Carroll

---

Formation Test No. 3 Interval Tested from 3215 ft. to 3295 ft. Total Depth 3295 ft.

Packer Depth 3210 ft. Size 6 3/4 in. — Packer depth ____ ft. Size 6 3/4 in.

Packer Depth 3215 ft. Size 6 3/4 in. — Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 3203 ft. — Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 3283 ft. — Recorder Number 5586 Cap. 5000 P.S.I.

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

Mud Type Chem Viscosity 55 — Drill Collar Length 123 ft. I.D. 2 1/4 in.

Weight 9.3 Water Loss 8.0 cc. — Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 6100 P.P.M. — Drill Pipe Length 3066 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number NA — Test Tool Length 26 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO — Anchor Length 80(17.5a) ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. — Surface Choke Size 1 in. Bottom Choke Size 5/8 in

---

Blow: 1st Open: 1/4"BLOW-BUILT TO 5 1/4" IN 30MINS — NOBB

2nd Open: 1/4"BLOW-BUILT TO 4" IN 45MINS — NOBB

Recovered 209 ft. of GAS IN PIPE

Recovered 42 ft. of OCM 8%O 92%M

Recovered 61 ft. of GCWM 8%G 28%O 2%W 62%M

Recovered 103 ft. of TOTAL FLUID

Recovered ____ ft. of ____ CHLORIDES 18000 — Price Job

Recovered ____ ft. of ____ PH 7 — Other Charges

Remarks: RW .68 @ 34 DEGREES — Insurance

TOOL SAMPLE: 20%O 30%W 50%M — Total

Time Set Packer(s) 2:20A.M. A.M./P.M. Time Started Off Bottom 5:20A.M. A.M./P.M. Maximum Temperature 100

Initial Hydrostatic Pressure ..... (A) 1562 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 12 P.S.I. to (C) 35 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 959 P.S.I.

Final Flow Period ..... Minutes 45 (E) 42 P.S.I. to (F) 61 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 952 P.S.I.

Final Hydrostatic Pressure ..... (H) 1553 P.S.I.

Musgrove
Petroleum Geology
212 Main Street, Claflin KS

Geologist's Report

Company: *L. D. Drilling Inc*
Lease: *J & J #1-6*
Field: *NA*
Surface Location: *NW-SE-SW-NE (2030' FNL & 1840' FEL)*
Sec: *6* **Twp:** *18S* **Rge:** *13W*
County: *Barton* **State:** *Kansas*
GL: *1831'* **KB:** *1836'*

Contractor: *Petromark Drilling Rig #2*
Spud: *11/22/14* **Comp:** *11/29/14*
RTD: *3400'* **LTD:** *3396'*
Mud Up: *+/- 2600'* **Mud Type:** *Chemical Displaced*

Drilling Time Kept From: *2900' to RTD*
Samples Saved From: *2900' to RTD*
Samples Examined: *2900' to RTD*
Geoloigcal Supervision: *3075' to RTD*
Geologist on Well: *Kurt Talbott*

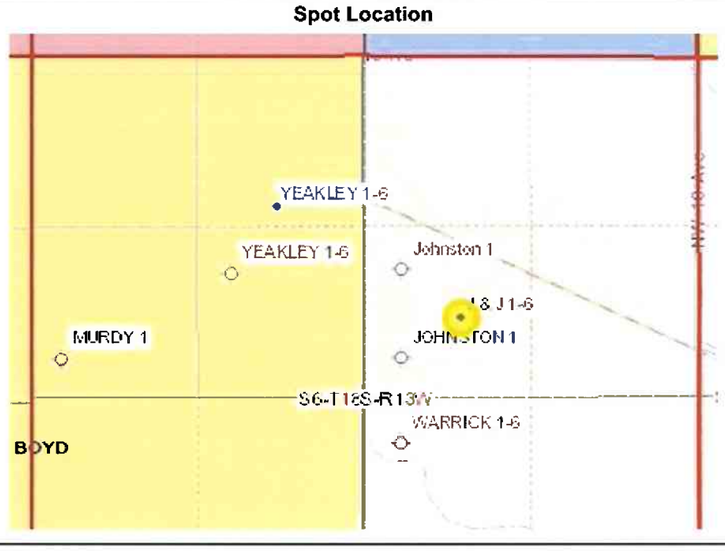
Surface Casing: *8 5/8" @ 804'*
Production Casing: *5 1/2" @*

Wireline Logs: *By Nabors: CNL/CDL, DIL, MEL*

Well Comparison

	Well Being Drilled LD J&J #1-6 1836 KB		OFFSET Shelby #1-6 Yeakley 1838 KB	
Formation	LD	LD SS	LD	SS
Anhydrite	773	1063	780	1058
Base Anhydrite	794	1042		
Heebner	3004	-1168	3008	-1170
Toronto	3018	-1182	3022	-1184
Douglas	3028	-1192	3032	-1194
Brown Lime	3083	-1247	3089	-1251
Lansing	3099	-1263	3104	-1266
Base KC	3291	-1455	3300	-1462
Arbuckle	3320	-1484	3308	-1470
Total Depth	3396	-1560	3450	-1612

Spot Location



ROCK TYPES

Cht vari | Lmst fw<7 | shale, gry | shale, red
Dolprim | shale, gm | Carbon Sh | Shcol

OTHER SYMBOLS

EVENTS | INTERVALS | DST

Casing Shoe
RTF
Sidewall
Left Casing Shoe
Right Casing Shoe
Core
DST
DST Int
DST alt

Printed by GEOstrip VC Striplog version 4.0.8.9 (www.grsi.ca)

Curve Track #1
ROP (min/ft)
Gamma (API)
Cal (in)
1:240 Imperial
0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16

Depth | Intervals
Cored Interval
DST Interval
DST
Lithology
Oil Show
Geological Descriptions

TG, C1 - C5
Total Gas (units)
C1 (units)
C2 (units)
C3 (units)
C4 (units)
1:240 Imperial
0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100

2920
2940
2960
2980
3000
3020
3040
3060
3080
3100
3120
3140
3160
3180

Ls-crm/tan, fxln, fossils in part, poor scattered iner xln por, chalky

Black carbon shale

Ls-crm/tan, fxln, ool/fossils, poor iner xln to oom por, chalky, chert-boney wht/crm

A/A

Ls-gry/tan, fossils/ool, poor vis por, cherty in part

Ls-gry/tan, fxln, pooer iner xln to scattered sub oom por, chalk
Chert-gry/tan

A/A

Heebner 3010.0 (-1174.0)
(-1168.0)

Black carbon shale

Toronto 3021.0 (-1185.0)
(-1182.0)

Ls-wht/crm, fxln, poor vis por, chert-boney wht

Douglas 3031.0 (-1195.0)
(-1192.0)

Shale-gry/grn-soft, silty, mica

Shale- A/A

Brown Lime 3086.0 (-1250.0)
(-1247.0)

Ls-tan/buff, fxln, few fossils, dense, cherty in part

Lansing 3102.0 (-1266.0)
(-1263.0)

Ls-wht/crm, fxln, fossils/ool, poor ppt to iner xln por, Trace stains, TrSFO, faint odor

Ls-crm/lt gry, fxln, ool, ppt to iner xln por, golden to dark brown stains, SFO, faint to fair odor

Ls-crm/tan, fxln fossils, poor ppt and iner xln por, with scattered finely vuggy por, golden brown stains/slightly saturated, SFO, odor

Ls-crm/tan, fxln, ool, iner ool to sub oom por, Trace stains, broken open good SFO, fair odor

Ls-wht/crm, fxln, ool, good oom por, golden brown stains, good SFO, fair odor slightly chalky

DST #1 3090-3168
30-30-30-30
IF: 1/4" Blow died in 20"

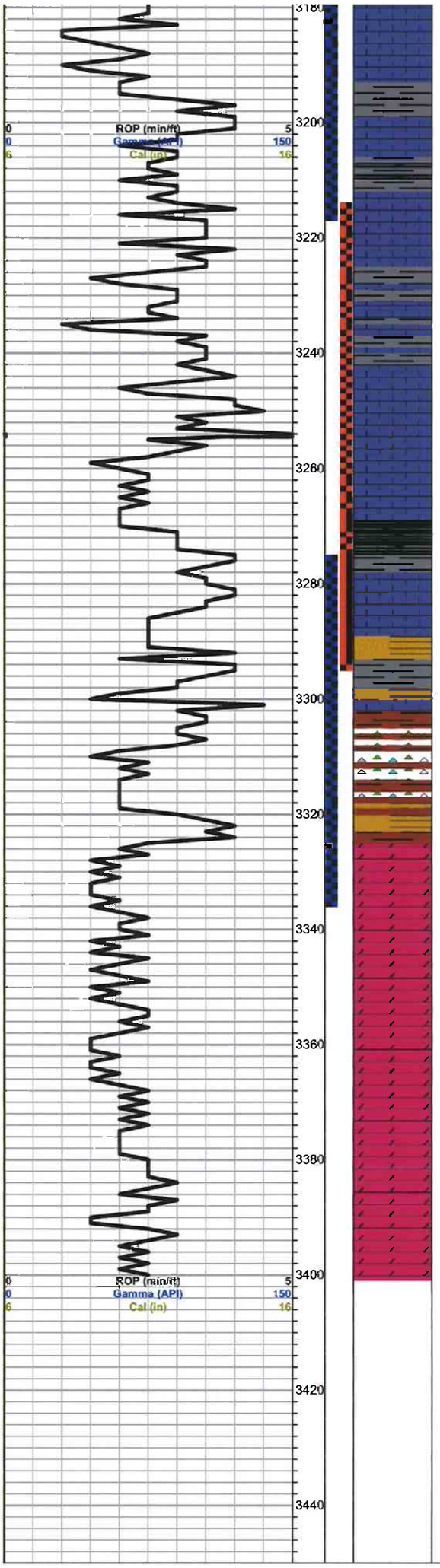
Recovery:
15' Mud

Pressures:
ISIP 44 psi
FSIP 60 psi
IFP 10-11 psi
FFP 12-20 psi
HSH 1481-1478 psi

DST #2 3169-3215
30-45-45-60
IF: Built to 4"

Recovery:
138' VSOCM
(2o 98m)

Pressures:
ISIP 772 psi
FSIP 748 psi
IFP 13-49 psi
FFP 61-80 psi
HSH 1506-1511 psi



Ls-crm/tan, fxln, ool, good iner ool to oom por, golden brown stains, SFO, good odor

Ls-crm, ool, poor scattered iner ool por, trace stains, TrSFO, chalky

Trace black carbon shale
Ls-crm/tan, fxln, ool, sub oom por, Trace stains, TrSFO, fair odor, chalky

Ls-crm/wht, ool, fair to good oom por, Trace golden brown stains, SFO, good odor slightly chalky

Ls-crm/wht, fxln, ool, sub oom por, Trace stains, Chalky, TrSFO, faint odor

Ls-crm/tan, fxln, few fossils, iner ool to good oom por, trace dark brown stains, weak SFO when broken open, faint odor

Ls-gry/tan, few fossils, poor vis por, cherty in part,

Base KC 3295.0 (-1459.0)
(-1455.0)

Shale- gry/grn/mustard yellow,

Shale- A/A, red shales

Chert- wht/tan, ool,

Arbuckle 3324.0 (-1488.0)
(-1484.0)

Dol- wht/lt gry, fine xln, poor to fair iner xln por, golden to dark brown stains, SFO when broken open, good odor

Dol-wht/crm/gry, fine to med xln, poor ti fair iner xln por, dark brown stains, TrSFO, good odor , chert-boney wht

Dol-crm/tan, fxln, poor to fair iner xln por, dark brown to black stains, TrSFO, fair odor

Dol-crm/wht/tan, fine to med xln, few rhomb, good iner xln por, black stans, TrSFO, faint odor, cherty in part

Dol-lt gry/tan, fine to med xln, poor iner xln por, blk stains, NSFO, faint odor, slightly chalky in part

Dol-lt gry/wht, fine to med xln, fair iner xln por, blk asphaltic stains, NSFO, cherty in part,

Total Depth 3400.0 (-1564.0)
(-1560.0)

0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100

DST #3 3215-3295
30-45-45-60
IF: Built to 5 1/4"

Recovery:
209' GIP
42' OCM
(8o 92m)
61' GCWM
(8g 28o 2w 62m)

Pressures:

ISIP	959 psi
FSIP	952 psi
IFP	12-35 psi
FFP	42-61 psi
HSH	1562-1553 psi

DST #4 3275-3335
30-30-30-30
IF: Built to 3 3/4"

Recovery:
125' GIP
4' Clean Oil
63' HOCM
(45o 55m)
62' OCM
(25o 75m)

Pressures:

ISIP	1068 psi
FSIP	1060 psi
IFP	10-40 psi
FFP	42-63 psi
HSH	1580-1583 psi

0 Total Gas (units) 100
0 C1 (units) 100
0 C2 (units) 100
0 C3 (units) 100
0 C4 (units) 100

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 11840 A

DATE 6-18-13 TICKET NO.

DATE OF JOB 11-29-13 DISTRICT	NEW WELL ☑ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER L.D. Drilling, INC.	LEASE J and J WELL NO. 1-6
ADDRESS	COUNTY Barton STATE KS
CITY STATE	SERVICE CREW Scott, Scotty, Shawn, Mike
AUTHORIZED BY L.D. Davis	JOB TYPE: 5 1/2 Long string cmt

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
35970	175				
77686 19905	175				
19959 73786	175				

	DATE	AM PM	TIME
TRUCK CALLED			
ARRIVED AT JOB	11/29/14	AM PM	5:30
START OPERATION	11/29/14	AM PM	6:45
FINISH OPERATION	11/29/14	AM PM	7:25
RELEASED	11/29/14	AM PM	8:00
MILES FROM STATION TO WELL			

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: L.D. Davis By D Scott
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CP 100 C	Common Cement	sk	150		2400 00
CP 103	60/40 POZ	sk	30		360 00
CC111	Salt	lb	617		308 50
CC130	C-51	lb	29		725 00
CC201	Cellseal	lb	250		507 50
CF607	Latch down plug + Baffle 5 1/2	Ea	1		400 00
CF1251	Auto Fill Float Shoe 5 1/2	Ea	1		360 00
CF1651	Turbolizer	Ea	8		860 00
CF1901	5 1/2 Basket	Ea	1		290 00
CF2001	Cement Scratchers Cable Type 5 1/2	Ea	5		375 00
C204	Claymaster KCL Substitute	Gal	4		140 00
CC151	Mud Flush	Gal	1000		1500 00
E100	Heavy vehicle Mileage Pickups, Semi Trucks	MI	65		292 50
E101	Heavy Equipment Mileage	MI	150		975 00
E113	Proppant Bulk Delivery Charge Ton Mile	TM	543		1356 86
CE204	Depth Charge 3001 - 4000'	4Hrs	1		2160 00
CE240	Blending & Mixing Service Charge	Sk	180		257 00
CE504	Plug Container	Job	1		250 00
S003	Service Supervisor	Ea	1		175 00

CHEMICAL / ACID DATA:			

SUB TOTAL		13702 36
SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	
TOTAL		10550 83

Discounted Total HC

SERVICE REPRESENTATIVE

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: L.D. Davis By D Scott
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

BASIC energy services, L.P.

TREATMENT REPORT

Customer	Lease No.	Date
L.D. Drilling, Inc.		11/24/11
Lease	**Well #**	
S-I-J	1-6	

Field Order #	Station	Casing	Depth	County	State
115406A	Pratt	5 1/2	3357	Barton	KS

Type Job	Formation	Legal Description
5 1/2 Long String CNW		6-15-13

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth 3357	Depth	From	To	Pre Pad	Max		5 Min.
Volume 80.61	Volume	From	To	Pad	Min		10 Min.
Max Press 2000	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative	Station Manager	Treater
Scott	Kevin Cundiff	Scott Lacey

Service Units	35970	27609	19834	23780								
Driver Names	Scott	Shaun	M.	Scotty								

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
3:30					On location Safety meeting Rig up
4:30					Run float Equipment
					Basket #'s Tubing 43, 79, 114, 15
5:30					Circulate on bottom
6:45	30			5.5	Pump 11BO Spacer
6:46	150		3	5.5	Pump 1000 gallon Mud flush
6:51	150		24	5.6	Pump 11BO Spacer
6:52	400		5	5.4	Mix 150 sks Common Cement
6:59	0		34.72		Shut down
					Wash pump & line
7:01					Release Plug
7:03	100			5.7	Start Displacement
7:09	100		30	6.9	Increase Rate
7:15	400		40	3	Reduce Rate
7:18	500		10.3	3	Plug Landed
7:18	1250				Pressure up on plug
7:19					Release pressure Float Holding
7:25	0		7.5	3	Plug Rat hole 30 sks 15 sks MH
7:29					Shut down Job Complete

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

Taylor Printing, Inc. 620-672-3656

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 11850 A

6-18-13
DATE TICKET NO.

DATE OF JOB 12/16/14 DISTRICT	NEW WELL ☒ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER LD Drilling Inc.	LEASE J J J WELL NO 1-6
ADDRESS	COUNTY Barton STATE KS
CITY STATE	SERVICE CREW Scott, Shawn, Felix, Kevin
AUTHORIZED BY L. D. Davis	JOB TYPE: Squeeze Perfs CMT

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
38920	4.5				
27463	4.5				
19966 15860	4.5				
14907	4.5				

	DATE	AM PM	TIME
TRUCK CALLED		AM PM	
ARRIVED AT JOB	12/16/14	AM PM	9:00
START OPERATION	12/16/14	AM PM	10:07
FINISH OPERATION	12/16/14	AM PM	2:30
RELEASED		AM PM	
MILES FROM STATION TO WELL			65

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: LD Davis By: Kevin Gray
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CP100C	Common Cement	SK	25		400.00
CP110C	Common Cement	SK	175		2800.00
CC105	C-41 P	lb	6		24.00
CC129	FLA-322	lb	24		180.00
E100	Unit Mileage Charge Pickups	MI	65		292.50
E101	Heavy Equipment Mileage	MI	130		975.00
E113	Bulk Delivery ton mile	TM	614		1535.63
CE204	Depth Charge 3001'-4000'	4hrs	1		2160.00
CE240	Blending & Mix Charge	SK	200		280.00
CE500	Cement Squeeze Manifold	Ea	1		500.00
S003	Service Supervisor 1st 8hrs or less	Ea	1		175.00
				SUB TOTAL	9322.13

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	
	TOTAL	

DISC. PRICE 6525.49

SERVICE REPRESENTATIVE Scott Graves

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: LD Davis By: Kevin Gray
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

BASIC energy services, L.P.

TREATMENT REPORT

Customer: LD Drilling Inc	Lease No.		Date: 12/16/14		
Lease: Jack J	Well #: 1-6				
Field Order #: 11450A	Station: Pratt	Casing: 5 1/2	Depth	County: Barton	State: KS
Type Job: Squeeze API Rule CWW	Formation		Legal Description: 6-18-13		

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 5 1/2	Tubing Size: 2 7/8	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth: 3357	Depth: 3122	From: 3325	To: 57	Pre Pad	Max		5 Min.
Volume: 1.5	Volume: 18.17	From	To	Pad	Min		10 Min.
Max Press: 1500	Max Press: 1500	From	To	Frac	Avg		15 Min.
Well Connection: 2 7/8	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth: 3122	From	To	Flush	Gas Volume		Total Load

Customer Representative: LD Davis				Station Manager: Travis Gandley				Treater: Scott Graves			
Service Units	38470	27463	19807	19960 19800							
Driver Names	Cody	Shawn	Kevin	Felix							

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:00					On Location Safety meeting Rig up
10:07		1500			Pressure Test Held
10:20		400		3	Circulate well
					NO Returns to pit
10:27					Shut down
10:40		[redacted]0		2	Spot 25 SKS Common 1% FLA-322
10:44		200	5.75	3.8	Start Displacement
10:46		0	18		Shut down
10:56		500		3.4	Reverse Out
11:03		0	23		Shut down
11:07	500				Pressure up Annulus Packer at 3122'
11:10	0	500		1.6	Mix 175sks Common Cement
11:12		1700	3	1.5	Pressure Increase
11:30		1000	34	1.5	Start Displacement
11:36		1250	10	1.7	Reduce Rate
11:43		1500	85		Shut down
11:58					Stagger Cement
2:15					Wash cement away Pump Flush
2:45					Pull Tubing

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

Taylor Printing, Inc. 620-672-3656

BASIC ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 11794 A

DATE TICKET NO.

DATE OF JOB 11-23-14 DISTRICT PRATT KS	NEW WELL ☒ OLD WELL ☐ PROD ☐ INJ ☐ WDW ☐ CUSTOMER ORDER NO.:
CUSTOMER L. D. Drilling	LEASE J & J 1-6 WELL NO.
ADDRESS	COUNTY BARTON STATE KS
CITY STATE	SERVICE CREW Sullivan, Hanson, Phyo
AUTHORIZED BY	JOB TYPE: CNW 8 5/8 Surface

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
27463	45				
19960-19860	45				
37900					

	DATE	AM/PM	TIME
TRUCK CALLED	11-23	AM	8:15
ARRIVED AT JOB		AM	11:15
START OPERATION		AM	1:50
FINISH OPERATION		AM	2:45
RELEASED		AM	5:15
MILES FROM STATION TO WELL			65

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED:
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
CP 101	A-Con cmt	SK	175		3,150 00
CP 100-C	Common cmt	SK	200		3,200 00
CC 102	Cellflake	lb	94		347 80
CC 109	Calcium chloride	lb	871		914 55
CF 105	TOP Rubber Plug 8 5/8	EA	1		225 00
E 100	pickup mi	mi	65		292 50
E 101	Heavy Equip mi	mi	130		975 00
E 113	Bulk Delivery ton mi	TM	1147		2,868 13
CE 201	Depth charge 500'-1000'	EA	1		1,200 00
CE 240	Blending mixing charge	SK	375		525 00
CE 504	Plug Container Rental	EA	1		250 00
S 003	Steam Separator	EA	1		175 00

SUB TOTAL 14,172.98

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON $	
MATERIALS	%TAX ON $	
Discount	TOTAL	10,874.69

SERVICE REPRESENTATIVE Robert Sullivan

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

CLOUD LITHO - Abilene, TX

BASIC energy services, L.P.

TREATMENT REPORT

Customer: L. D. Drilling	Lease No.			Date: 11-23-14	
Lease: J. J	Well #: 1-6				
Field Order #: 11794	Station: Pratt KS	Casing: 8 5/8	Depth: 804'	County: BARTON	State: KS
Type Job: CNW 8 5/8 Surface	Formation			Legal Description: 6-19-13	

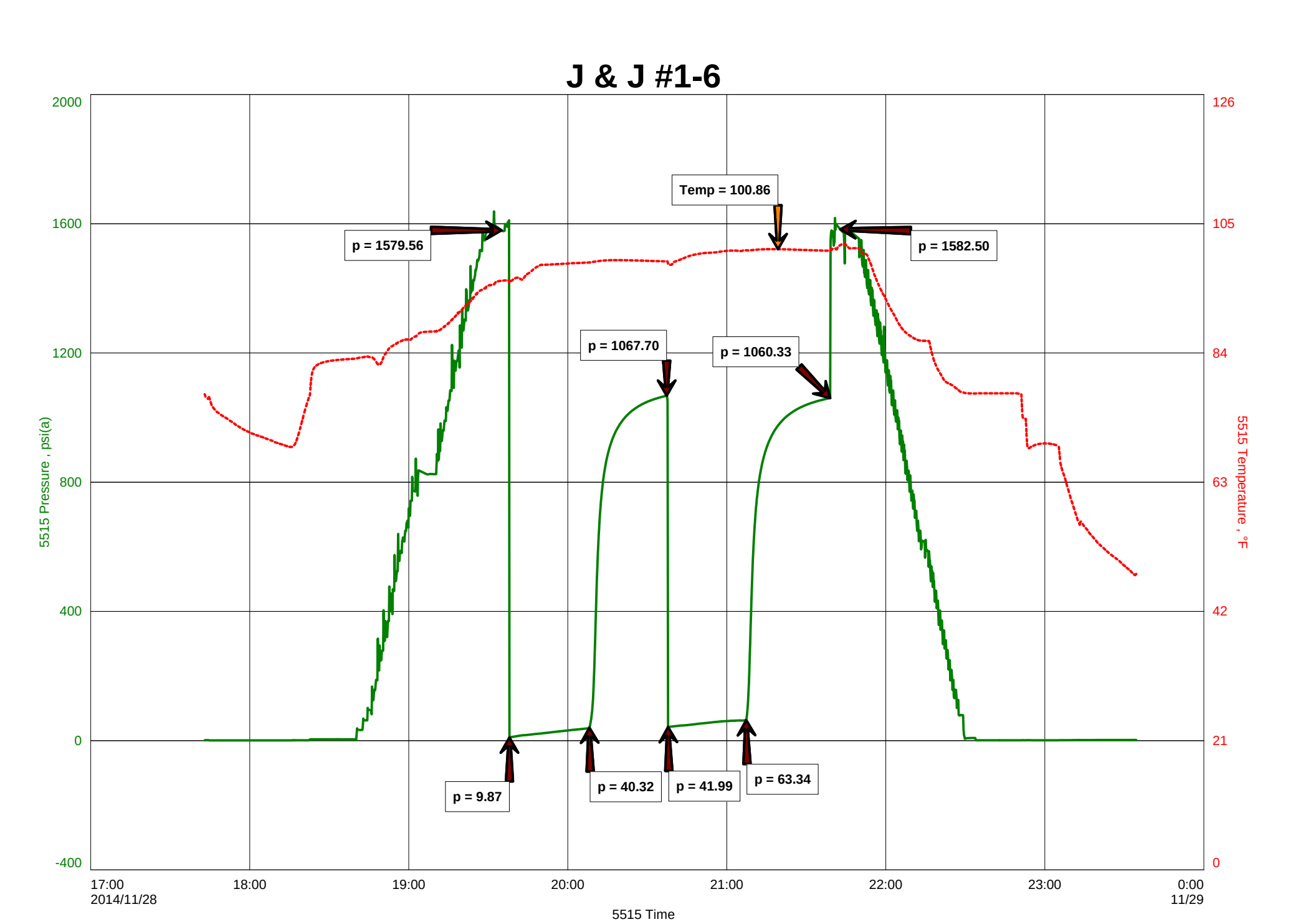
PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 8 5/8	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth: 804	Depth	From	To	Pre Pad	Max		5 Min.
Volume: 47.1/2	Volume	From	To	Pad	Min		10 Min.
Max Press: 500	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth: TD	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative | Station Manager: DAVE Scott | Treater: Robert Fullwood

Service Units	37900	27463	19960	19860							
Driver Names	Fullwood	Hanson	Phy								

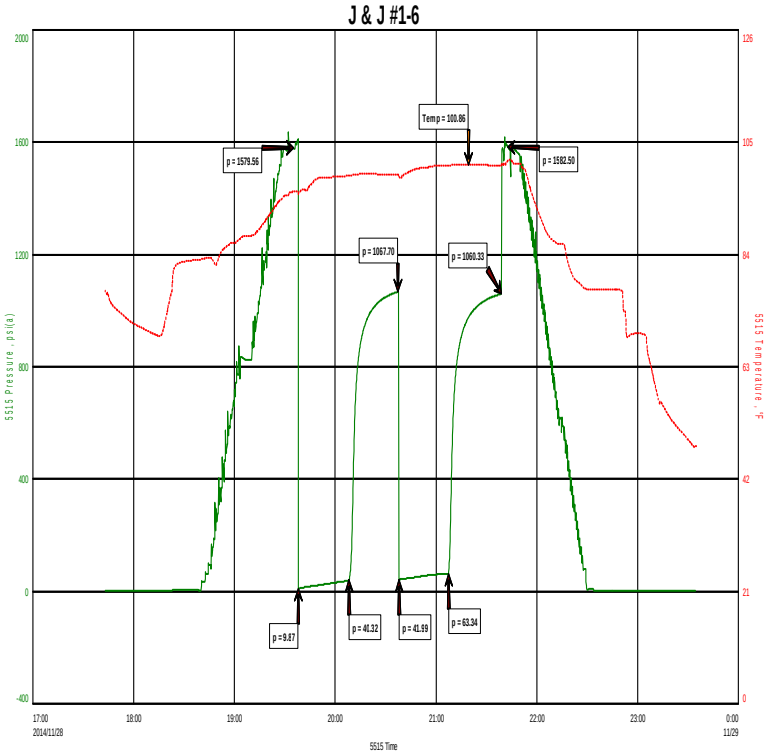
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:30					on loc.
					Run 8 5/8 csg.
1:40					CASING on Bottom
1:45					Rig circ csg.
1:50			3	3	St SPACER
			77	4.5	St mixing cmt 175 sk A-Con cmt @ 12.1ppg
	200		43		St mixing Tail cmt 200 sk Com w/ 2% cc 1/4 cf
					cmt mixed Shut Down
				3.5	St Disp
2:45	350		49		Plug Down
					circ 15 BBL cmt Pit
					JOB Complete
					Thank you

Taylor Printing, Inc. 620-672-3656


J & J #1-6
2000
1600
1200
800
400
0
-400
5515 Pressure , psi(a)
126
105
84
63
42
21
0
5515 Temperature , °F
Temp = 100.86
p = 1579.56
p = 1582.50
p = 1067.70
p = 1060.33
p = 9.87
p = 40.32
p = 41.99
p = 63.34
17:00
2014/11/28
18:00
19:00
20:00
21:00
22:00
23:00
0:00
11/29
5515 Time

Michael Carroll
620-617-0368
carroll.dtllc@gmail.com

Hoisington, Kansas



General Information

Company Name L.D. Drilling Inc

Contact	L.D. Davis
Well Name	J & J #1-6
Unique Well ID	Dst #4 Arbuckle 3275-3335'
Surface Location	Sec6-18s-13w Barton County
Field	NA
Well Type	Vertical
Test Type	Drill Stem Test
Well Operator	L.D. Drilling Inc
Formation	Dst #4 Arbuckle 3275-3335'
Well Fluid Type	01 Oil
Test Purpose	Initial Test
Start Test Date	2014/11/28
Start Test Time	17:43:00
Final Test Time	23:35:00
Job Number	P0024
Report Date	2104/11/28
Prepared By	Michael Carroll

TEST RECOVERY

Remarks **Recovery:**

125'	GIP		
4'	CLEAN OIL	GRAVITY 35 @ 60 DEGREES	
63'	HOCM	45%O	55%M
63'	OCM	25%O	75%M

TOTAL FLUID: 130'

TOOL SAMPLE: 44%O 56%M

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

DRILL-STEM TEST TICKET

FILE: J&J1-6Dst#4

TIME ON: 1743

TIME OFF: 2335

Company L.D. Drilling Inc — Lease & Well No. J & J #1-6

Contractor Petromark Rig 2 — Charge to L.D. Drilling Inc

Elevation 1836KB Formation Arbuckle Effective Pay ____ Ft. Ticket No. P0024

Date 11-28-14 Sec. 6 Twp. 18 S Range 13 W County Barton State KANSAS

Test Approved By Kurt Talbott — Diamond Representative Michael Carroll

Formation Test No. 4 Interval Tested from 3275 ft. to 3335 ft. Total Depth 3335 ft.

Packer Depth 3270 ft. Size 6 3/4 in. — Packer depth ____ ft. Size 6 3/4 in.

Packer Depth 3275 ft. Size 6 3/4 in. — Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 3263 ft. — Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 3312 ft. — Recorder Number 5586 Cap. 5000 P.S.I.

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

Mud Type Chem Viscosity 62 — Drill Collar Length 123 ft. I.D. 2 1/4 in.

Weight 9.3 Water Loss 8.4 cc. — Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 6000 P.P.M. — Drill Pipe Length 3126 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number NA — Test Tool Length 26 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO — Anchor Length 60(28.5a) ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. — Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: WSB-BUILT TO 3 3/4" IN 30MINS — NOBB

2nd Open: NO BLOW-BUILT TO 2 1/4" IN 30MINS — NOBB

Recovered 125 ft. of GAS IN PIPE

Recovered 4 ft. of CO GRAVITY 35 @ 60 DEGREES

Recovered 63 ft. of HOCM 45%O 55%M

Recovered 63 ft. of OCM 25%O 75%M

Recovered 130` ft. of TOTAL FLUID

Recovered ____ ft. of ____

Remarks: ____

TOOL SAMPLE: 44%O 56%M

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 7:38P.M. A.M. P.M. Time Started Off Bottom 9:38P.M. A.M. P.M. Maximum Temperature 101

Initial Hydrostatic Pressure ..... (A) 1580 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 10 P.S.I. to (C) 40 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 1068 P.S.I.

Final Flow Period ..... Minutes 30 (E) 42 P.S.I. to (F) 63 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 1060 P.S.I.

Final Hydrostatic Pressure ..... (H) 1583 P.S.I.