



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1220908
OIL & GAS CONSERVATION DIVISION

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

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 #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	---

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

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: _____ Date: _____

1220908

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ 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: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	---	---

OPERATOR

Company: L.D. Drilling, Inc.
 Address: 7 SW 26th Ave.

Great Bend, KS 67530
 Contact Geologist: Kim Shoemaker
 Contact Phone Nbr: 316-772-2939
 Well Name: Apple #1-6
 Location: Sec. 6 - T6S - R17W
 API: 15-163-24216-0000
 Pool:
 State: Kansas

Field: Wildcat
 Country: USA

Scale 1:240 Imperial

Well Name: Apple #1-6
 Surface Location: Sec. 6 - T6S - R17W
 Bottom Location:
 API: 15-163-24216-0000
 License Number: 6039
 Spud Date: 6/27/2014 Time: 9:30 AM
 Region: Rooks County
 Drilling Completed: 7/4/2014 Time: 8:30 PM
 Surface Coordinates: 2048' FSL & 1680' FWL
 Bottom Hole Coordinates:
 Ground Elevation: 1926.00ft
 K.B. Elevation: 1933.00ft
 Logged Interval: 2700.00ft To: 3360.00ft
 Total Depth: 3360.00ft
 Formation: Lansing/Kansas City
 Drilling Fluid Type: Chemical/Fresh Water Gel

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude:
 Latitude:
 N/S Co-ord: 2048' FSL
 E/W Co-ord: 1680' FWL

LOGGED BY

Keith Reavis
Consulting Geologist

Company: Keith Reavis, Inc.
 Address: 3420 22nd Street
 Great Bend, KS 67530

Phone Nbr: 620-617-4091
 Logged By: Keith Reavis and Logan Walker Name: Keith Reavis

CONTRACTOR

Contractor: Skytop Drilling
 Rig #: 1
 Rig Type: mud rotary
 Spud Date: 6/27/2014 Time: 9:30 AM
 TD Date: 7/4/2014 Time: 8:30 PM
 Rig Release: Time:

ELEVATIONS

K.B. Elevation: 1933.00ft Ground Elevation: 1926.00ft
 K.B. to Ground: 7.00ft

NOTES

Due to negative results of all drill stem tests conducted on this well, it was determined that the Apple #1 be plugged and abandoned as a dry test. No electrical logs were run on this well.

Respectfully submitted
Keith Reavis and Logan Walker

Image Header 01

LD Drilling, Inc.

daily drilling report

DATE	7:00 AM DEPTH	REMARKS
06/30/2014		Geologist Keith Reavis and Logan Walker on location @ 0730 hrs, 2634 ft. drilling ahead, show in Topeka warrants test, short trip, TOH for DST #1
07/01/2014	2915	conduct and complete DST #1, TIH w/bit, drill lower Topeka, show warrants test, TOH for DST #2
07/02/2014	3040	conduct and complete DST #2, TIH w/bit, resumed drilling Heebner, Lansing A thru D, show warrants test, TOH for DST #3, conducting DST #3
07/03/2014	3192	complete DST #3, successful test, TIH w/bit, resumed drilling, shows in F and G warrant test, conduct and complete DST #4, successful test, TIH w/bit resume drilling
07/04/2014	3290	shows in the H and I warrant test, TOH for DST #5, conduct and complete DST #5 successful test, TIH w/bit resume drilling, TD @3360 2030hrs off location @ 2230 hrs

well comparison sheet

DRILLING WELL					COMPARISON WELL				COMPARISON WELL			
Well #					Mclaughin #1				Betty #1-12			
2048' FSL & 1680' FWL					SE SE SW				919 FNL & 1408' FWL			
Sec 6-T6S-R17W					Sec 6-T6S-R17W				Sec 12-T6S-R18W			
1933 KB					1923 KB		Structural Relationship		1912 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Topeka	2874	-941	no log		2865	-942	1		2846	-934	-7	
Heebner	3078	-1145			3075	-1152	7		3047	-1135	-10	
Lansing	3118	-1185			3118	-1195	10		3088	-1165	-20	
Muncie Creek	3249	-1316							3213	-1290	-26	
Base KC	3352	-1419							3320	-1397	-22	
Arbuckle	not reached				3535	-1612			3440	-1517		
Total Depth	3360	-1427			3545	-1622	195		3483	-1560	133	
	3102	-1169										

ROCK TYPES

sdymst	Lmst fw>7	shale, gry	shale, red
Lmst fw<7	shale, grn	Carbon Sh	Ss

ACCESSORIES

MINERAL
 ~ Glauconite
 P Pyrite

FOSSIL
 ^ Bioclastic or Fragmental
 O Crinoids
 F Fossils < 20%
 O Oolite

STRINGER
 ~ Chert

TEXTURE
 C Chalky
 CX Cryptocrystalline

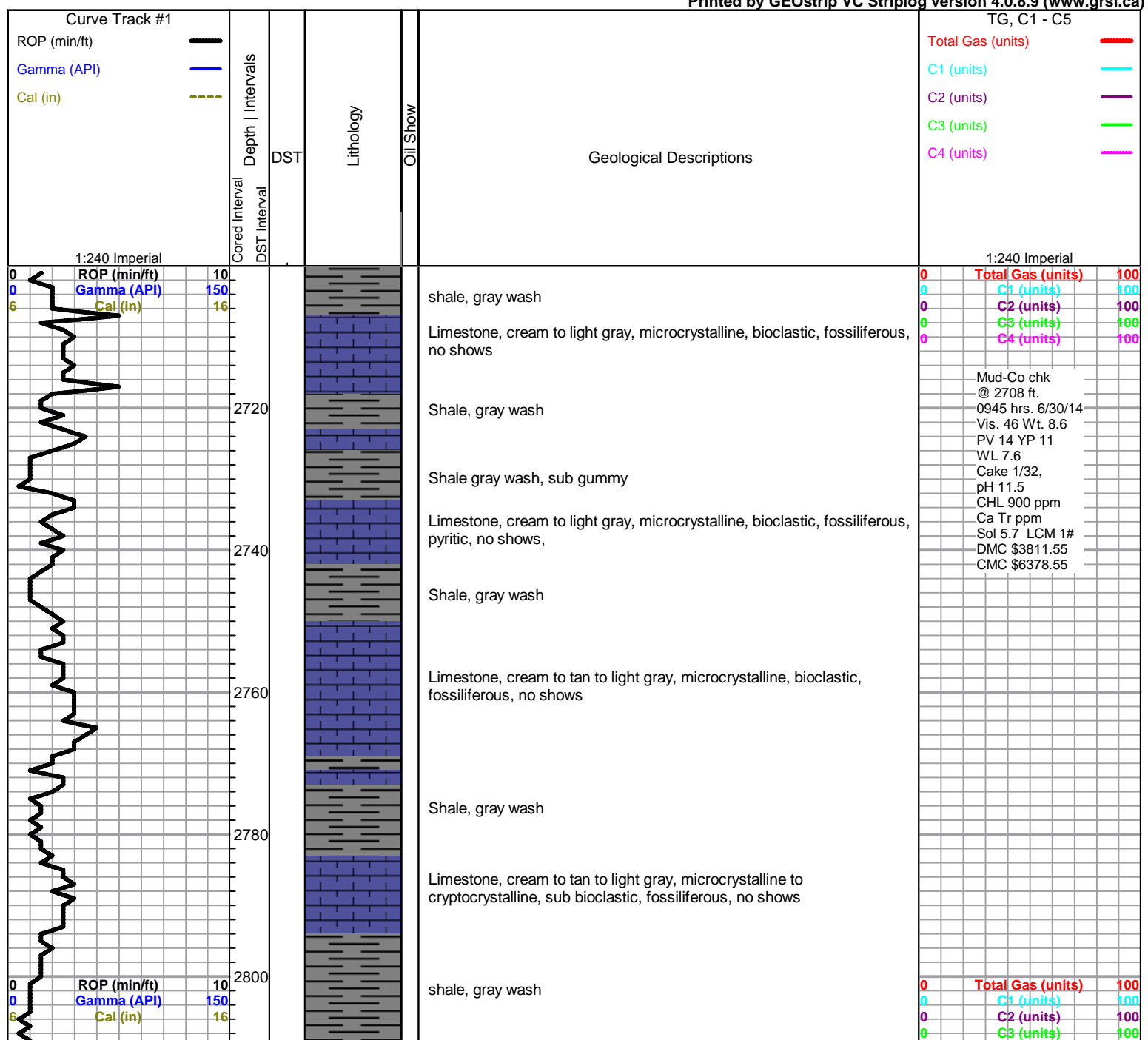
OTHER SYMBOLS

MISC
 DR Daily Report
 Digital Photo
 Document
 Folder
 Link
 Vertical Log File
 Horizontal Log File
 Core Log File
 Drill Cuttings Rpt

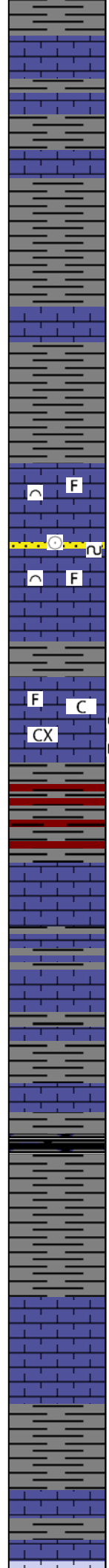
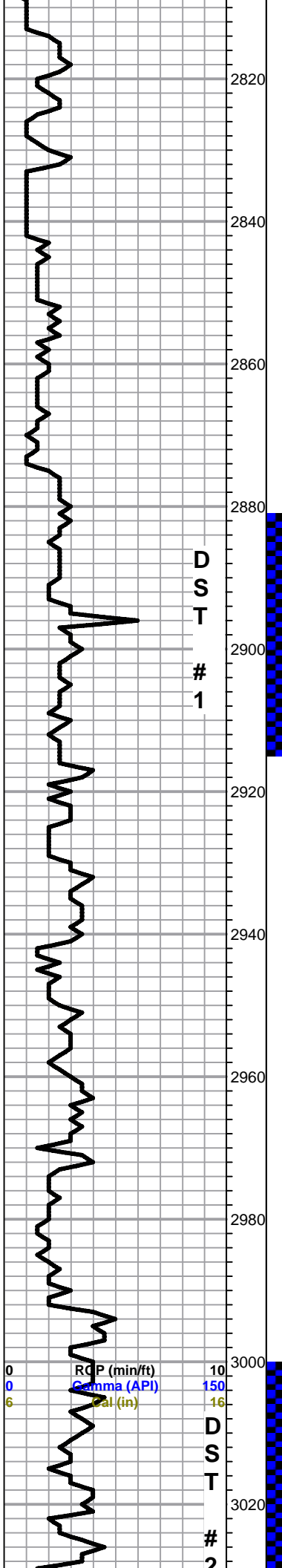
Oil Show
 ● Good Show
 ● Fair Show
 ● Poor Show
 ○ Spotted or Trace
 ○ Questionable Stn
 D Dead Oil Stn
 ■ Fluorescence
 * Gas

DST
 DST Int
 DST alt
 Core
 tail pipe

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



Mud-Co chk
 @ 2708 ft.
 0945 hrs. 6/30/14
 Vis. 46 Wt. 8.6
 PV 14 YP 11
 WL 7.6
 Cake 1/32,
 pH 11.5
 CHL 900 ppm
 Ca Tr ppm
 Sol 5.7 LCM 1#
 DMC \$3811.55
 CMC \$6378.55



Limestone, cream to tan, cryptocrystallin, fossiliferous, dense, no shows

shale, gray wash

shale, gray wash

Topeka 2874 -941

Limestone, cream to light gray to dark gray, microcrystalline, bioclastic, fossiliferous, no shows

Limestone to sandy limestone, cream to yellow to light gray, microcrystalline to cryptocryalline, bioclastic, fossiliferous, green glauconite no shows

Limestone, cream to tan to light gray, some mottled, crypto-microcrystalline, fossiliferous, soft to dense, sub chalky spotty oil in tray, free oil on break, fleeting odor, slight sheen on water
30 min sample was tight and spotty oil on break, fleeting odor
60 min sample was tight and more oil on break, spotty oil in tray, fleeting odor

shale, red to gray, gray wash

Limestone, cream to tan to light gray, microcrystalline, fossiliferous, sub chalky, soft, no shows

Limestone, cream to light gray, microcrystalline to cryptocrystalline, fossiliferous, pyritic, dense, fractures, no shows

Limestone, white to cream, microcrystalline, fossiliferous, weathered, soft, no shows

shale, gray wash, silty, sub gray gummy

shale, gray wash to dark gray, silty, dark sandstone, fine grain, well sorted, well cemented

shale, gray wash to pale green, silty, sub sandy

Limestone, white to cream, cryptocrystalline, bioclastic, fossiliferous, sub chalky, pyritic, no shows

Limestone, white to cream, cryptocrystalline, bioclastics, fossiliferous, surface etching, weathered, dense, brown chert, no shows

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

Mud-Co chk @ 2915 ft.
0735 hrs. 7/1/14
Vis. 50 Wt. 9.0
PV 14 YP 27
WL 7.2
Cake 1/32, pH 11.0
CHL 300 ppm
Ca Tr ppm
Sol 2.9 LCM 1#
DMC \$257.60
CMC \$6636.15

DST #2

cfs @3040'
1700 hrs 7-1-14

3040
3060
3080
3100
3120
3140
3160
3180
3200
3220
3240

cfs @3172'
1700 hrs 7/2/14

ROP (min/ft)
Gamma (API)
Cal (in)

cfs @3214'
0840 hrs
7/3/14

D
S
T

3

D
S
T

14

Limestone, white to cream, cryptocrystalline, bioclastic, fossiliferous, oolitic, pin hole vugs, surface etching, black staining, chalky, dense, fair to poor fluorescence, good cut, free oil on break, good odor, better shows in the 30/60 min sample

Shale, gray wash

Limestone, cream to light gray, cryptocrystalline, fossiliferous, soft, sub chalky, no show

shale, gray wash

Heebner 3078 -1145

Shale, black carbonaceous

Sandy Limestone, cream to light gray, microcrystalline, fossiliferous, well sorted, well cemented, sub chalky, no show

Limestone, white to cream to light gray, microcrystalline, bioclastic, fossiliferous, weathered, chalky, no show

Toronto 3102 -1169

Limestone, white to cream to light gray, microcrystalline to cryptocrystalline, fossiliferous, weathered, dense, no show

Lansing 3118 -1185

Limestone, white to cream, microcrystalline, bioclastic, fossiliferous, dense, dead black stain, fleeting odor, no shows

Limestone, white to cream, cryptocrystalline to microcrystalline, bioclastic, fossiliferous, very dense, pin hole vugs, surface etching, dead black stain in vugs, crystallized vugs, good odor, no shows

Limestone, cream, cryptocrystalline, fossiliferous, white/gray chert, sharp, fractured, soft to dense, pyritic, sub chalky, no show

Limestone, white to cream to tan, cryptocrystalline, fossiliferous, weathered, sub chalky, dense, free oil in tray, gas bubbles, free oil on break, strong odor

Shale, red to gray to pale green, red wash, silty, red gummy

Limestone, cream to light gray, microcrystalline, fossiliferous, oolitic, soft to dense, surface etching

Limestone, cream to light gray to pale green, microcrystalline, fossiliferous, pyritic, sd w/show, free oil on break, fleeting odor

Limestone, white to cream, microcrystalline, skeletal bioclastic, oolitic, fossiliferous, surface etching, weathered, pin hole vugs, soft, spotty free oil in tray, free on break, good odor, fair cut

Limestone, white, microcrystalline to cryptocrystalline, sub bioclastic, fossiliferous, soft, sharp, sub chalky, fleeting odor

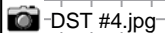
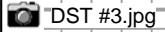
Shale, red to gray to pale green, silty

Limestone, white to cream, microcrystalline, bioclastic, fossiliferous, pin hole vugs, surface etching, soft, weathered, spotty free oil in tray, spotty free oil on break, strong odor

Muncie Creek 3249 -1316

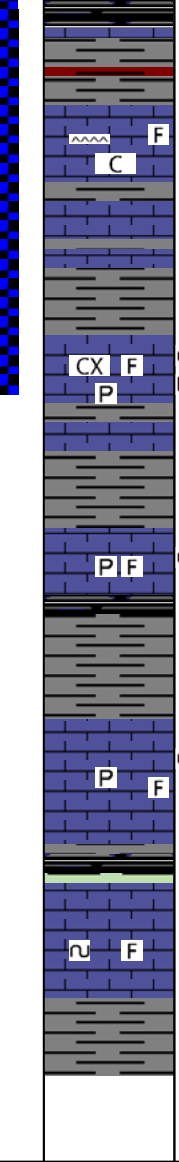
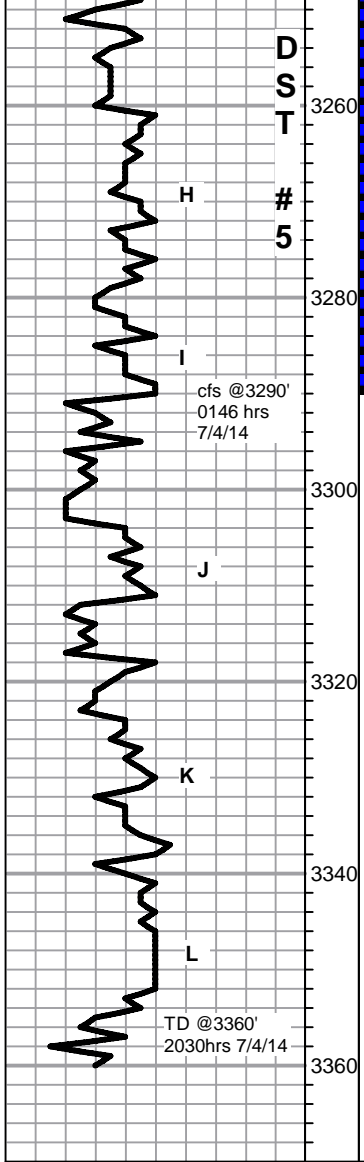
(strapped pipe 2.5' off)

Mud-Co chk @ 3053 ft. 0455 hrs. 7/2/14 Vis. 46 Wt. 9.1 PV 12 YP 17 WL 7.6 Cake 1/32, pH 10.5 CHL 1200 ppm Ca Tr ppm Sol 5.7 LCM 1# DMC \$0.00 CMC \$6636.15



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

Mud-Co chk @ 3210 ft. 0800 hrs. 7/3/14 Vis. 50 Wt. 9.1 PV 14 YP 16 WL 6.0 Cake 1/32, pH 10.5 CHL 900 ppm Ca Tr ppm Sol 5.7 LCM 1# DMC \$537.60 CMC \$7173.75



Shale, gray wash to black carbonaceous to red, silty, gray gummy

Limestone, white, microcrystalline, fossiliferous, white to translucent chert, sharp, soft to dense, sub chalky, fractured, no shows

Shale, gray wash, silty, gray gummy

Limestone, white to cream, cryptocrystalline, fossiliferous, pin hole vugs, surface etchings, chalky, soft, weathered, pyritic, free oil in tray, free oil on break, sheen on water, excellent cut, good fluorescence, strong odor

Shale, gray wash, silty

Limestone, cream to tan, microcrystalline to cryptocrystalline, fossiliferous, surface etching, sharp, pyritic, pin hole vugs, trace free oil on break, fleeting odor

Stark 3311 -1378

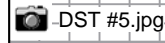
Shale, gray wash to black carbonaceous

Limestone, white to cream, microcrystalline, fossiliferous, oolitic, surface etching, weathered, sharp, soft to dense, pyritic, pin hole vugs, trace free oil on break, fleeting odor

Limestone, white to cream, microcrystalline, fossiliferous, glauconite, oolitic, soft, sub chalky, weathered, sharp, no shows

BKC 3352 -1419

Rotary TD @ 3360' 2030 hrs 7/4/14



Mud-Co chk
@ 3290 ft.
0900 hrs. 7/4/14
Vis. 51 Wt. 9.1
PV 14 YP 24
WL 5.6
Cake 1/32,
pH 10.0
CHL 11000 ppm
Ca 20 ppm
Sol 5.7 LCM 1#
DMC \$0.00
CMC \$7173.75



DST #1.jpg
DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: APPLE1-6DST1

TIME ON: 11:40 7-1-14
 TIME OFF: 06:59 7-1-14

Company L.D. DRILLING, INC. Lease & Well No. APPLE #1-6
 Contractor SKYTOP DRILLING RIG #1 Charge to L.D. DRILLING, INC.
 Elevation 1933 KB Formation TOPEKA Effective Pay _____ Ft. Ticket No. T362
 Date 7-1-14 Sec. 6 Twp. 6 S Range 17 W County ROOKS State KANSAS
 Test Approved By KEITH REAVIS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 2881 ft. to 2915 ft. Total Depth 2915 ft.
 Packer Depth 2876 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 2881 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 2867 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
 Bottom Recorder Depth (Outside) 2912 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

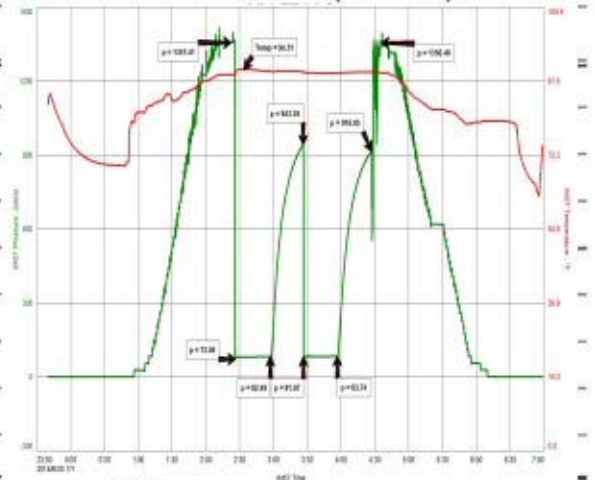
Mud Type CHEMICAL Viscosity 46 Drill Collar Length 144 ft. I.D. 2 1/4 in.
 Weight 8.6 Water Loss 7.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 900 P.P.M. Drill Pipe Length 2709 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number STY. JT. Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 34 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: STRONG 4 INCH BLOW, BUILDING TO 4 1/2 INCHES. (NO BB)

2nd Open: VERY WEAK SURFACE BLOW, LASTING 2 MIN.

Recovered 145 ft. of MUD
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: WE SLID ABOUT 20 FEET WHEN SETTING TOOL.



TOOL SAMPLE: 100% MUD

Time Set Packer(s) 2:26 AM A.M. P.M. Time Started Off Bottom 4:26 AM A.M. P.M. Maximum Temperature 95 deg.
 Initial Hydrostatic Pressure..... (A) 1357 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 72 P.S.I. to (C) 82 P.S.I.
 Initial Closed In Period..... Minutes 30 (D) 943 P.S.I.
 Final Flow Period..... Minutes 30 (E) 82 P.S.I. to (F) 84 P.S.I.
 Final Closed In Period..... Minutes 30 (G) 917 P.S.I.
 Final Hydrostatic Pressure..... (H) 1356 P.S.I.



DST #2.jpg

DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: APPLE1-6DST2

TIME ON: 21:15 7-1-14
TIME OFF: 05:03 7-2-14

Company L.D. DRILLING, INC. Lease & Well No. APPLE #1-6
Contractor SKYTOP DRILLING RIG #1 Charge to L.D. DRILLING, INC.
Elevation 1933 KB Formation LOWER TOPEKA Effective Pay _____ Ft. Ticket No. T363
Date 7-1-14 Sec. 6 Twp. 6 S Range 17 W County ROOKS State KANSAS
Test Approved By KEITH REAVIS Diamond Representative TIMOTHY T. VENTERS

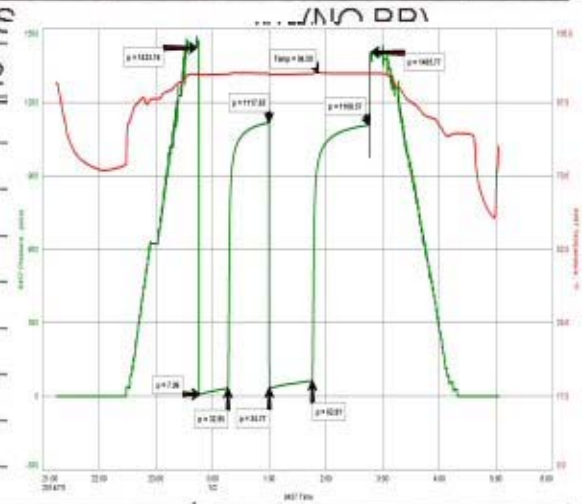
Formation Test No. 2 Interval Tested from 3000 ft. to 3040 ft. Total Depth 3040 ft.
Packer Depth 2995 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3000 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 2986 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 3037 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 50 Drill Collar Length 144 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 300 P.P.M. Drill Pipe Length 2828 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number STY. JT. Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 40 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: WEAK 1/4 INCH BLOW, BUILDING TO 2 INCHES
2nd Open: VERY WEAK SURFACE BLOW, BUILDING TO 2 1/2

Recovered 65 ft. of MUD
Recovered 55 ft. of WCM, 37% WATER, 63% MUD
Recovered 120 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks: _____



TOOL SAMPLE: TRACE OIL, 14% WATER, 86% MUD

Time Set Packer(s) 11:45 PM A.M. P.M. Time Started Off Bottom 2:45 AM A.M. P.M. Maximum Temperature 95 deg.
Initial Hydrostatic Pressure..... (A) 1423 P.S.I.
Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 33 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1118 P.S.I.
Final Flow Period..... Minutes 45 (E) 35 P.S.I. to (F) 63 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1109 P.S.I.
Final Hydrostatic Pressure..... (H) 1406 P.S.I.



DST #3.jpg

DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: APPLE1-6DST3

TIME ON: 19:20 7-2-14
 TIME OFF: 02:53 7-3-14

Company L.D. DRILLING, INC. Lease & Well No. APPLE #1-6
 Contractor SKYTOP DRILLING RIG #1 Charge to L.D. DRILLING, INC.
 Elevation 1933 KB Formation LANSING "A-B" Effective Pay _____ Ft. Ticket No. T364
 Date 7-2-14 Sec. 6 Twp. _____ 6 S Range _____ 17 W County ROOKS State KANSAS
 Test Approved By KEITH REAVIS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 3 Interval Tested from 3110 ft. to 3172 ft. Total Depth 3172 ft.
 Packer Depth 3105 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3110 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

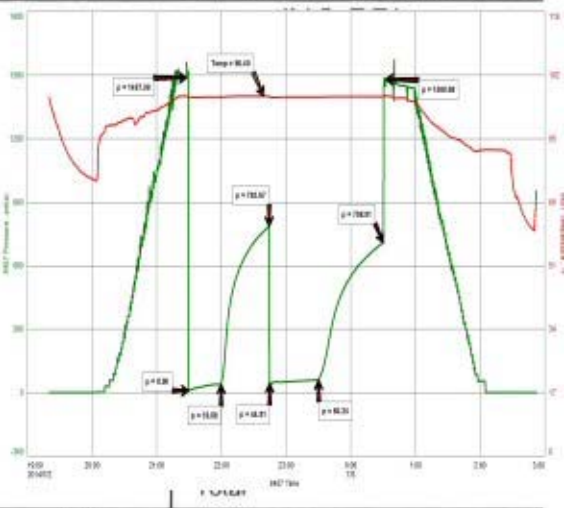
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3096 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
 Bottom Recorder Depth (Outside) 3169 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 46 Drill Collar Length 144 ft. I.D. 2 1/4 in.
 Weight 9.1 Water Loss 7.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 1,200 P.P.M. Drill Pipe Length 2938 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number STY. JT. Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 30 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: WEAK 1/4 INCH BLOW, BUILDING TO 3 INCHES
2nd Open: VERY WEAK SURFACE BLOW, BUILDING TO 2 1/2

Recovered 5 ft. of SMCO, 93% OIL, 7% MUD, GRAVITY: 39
 Recovered 115 ft. of SOCM, 8% OIL, 92% MUD
 Recovered 120 ft. of TOTAL FLUID
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Remarks: _____



TOOL SAMPLE: 4% OIL, 96% MUD

Time Set Packer(s) 9:29 PM A.M. P.M. Time Started Off Bottom 12:29 AM A.M. P.M. Maximum Temperature 96 deg.
 Initial Hydrostatic Pressure..... (A) 1488 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 40 P.S.I.
 Initial Closed In Period..... Minutes 45 (D) 786 P.S.I.
 Final Flow Period..... Minutes 45 (E) 45 P.S.I. to (F) 60 P.S.I.
 Final Closed In Period..... Minutes 60 (G) 709 P.S.I.
 Final Hydrostatic Pressure..... (H) 1481 P.S.I.



DST #4.jpg

DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: APPLE1-6DST4

TIME ON: 11:07

TIME OFF: 17:39

Company L.D. DRILLING, INC. Lease & Well No. APPLE #1-6

Contractor SKYTOP DRILLING RIG #1 Charge to L.D. DRILLING, INC.

Elevation 1933 KB Formation LANSING "F-G" Effective Pay Ft. Ticket No. T365

Date 7-3-14 Sec. 6 Twp. 6 S Range 17 W County ROOKS State KANSAS

Test Approved By KEITH REAVIS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 4 Interval Tested from 3172 ft. to 3214 ft. Total Depth 3214 ft.

Packer Depth 3167 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.

Packer Depth 3172 ft. Size 6 3/4 in. Packer depth ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3158 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 3211 ft. Recorder Number 11029 Cap. 5,025 P.S.I.

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

Mud Type CHEMICAL Viscosity 50 Drill Collar Length 144 ft. I.D. 2 1/4 in.

Weight 9.1 Water Loss 6.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 900 P.P.M. Drill Pipe Length 3000 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number STY. JT. Test Tool Length 28 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 42 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: WEAK SURFACE BLOW THROUGHOUT PERIOD.

(NO BB)

2nd Open: VERY WEAK SURFACE BLOW, LASTING 1 1/2 MIN.

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

Recovered ft. of

Recovered ft. of

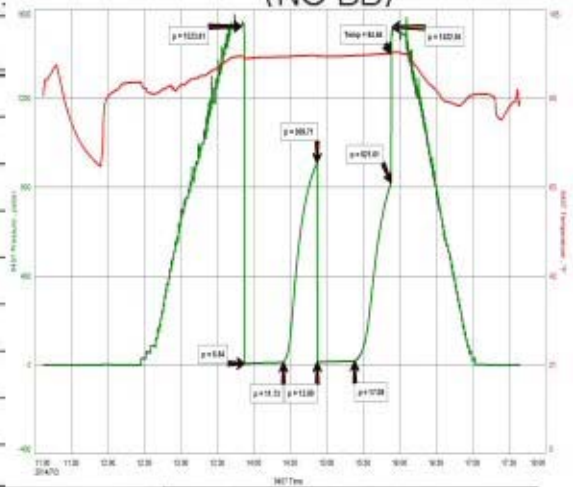
Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

TOOL SAMPLE: 5% OIL, 95% MUD



Time Set Packer(s) 1:51 PM A.M. P.M. Time Started Off Bottom 3:51 PM A.M. P.M. Maximum Temperature 95 deg.

Initial Hydrostatic Pressure (A) 1524 P.S.I.

Initial Flow Period Minutes 30 (B) 7 P.S.I. to (C) 12 P.S.I.

Initial Closed In Period Minutes 30 (D) 910 P.S.I.

Final Flow Period Minutes 30 (E) 13 P.S.I. to (F) 17 P.S.I.

Final Closed In Period Minutes 30 (G) 822 P.S.I.

Final Hydrostatic Pressure (H) 1523 P.S.I.



DST #5.jpg

DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: APPLE1-6DST5

TIME ON: 04:23
 TIME OFF: 12:13

Company L.D. DRILLING, INC. Lease & Well No. APPLE #1-6
 Contractor SKYTOP DRILLING RIG #1 Charge to L.D. DRILLING, INC.
 Elevation 1933 KB Formation LANSING "H-I" Effective Pay _____ Ft. Ticket No. T366
 Date 7-4-14 Sec. 6 Twp. 6 S Range 17 W County ROOKS State KANSAS
 Test Approved By KEITH REAVIS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 5 Interval Tested from 3220 ft. to 3290 ft. Total Depth 3290 ft.
 Packer Depth 3215 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3220 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

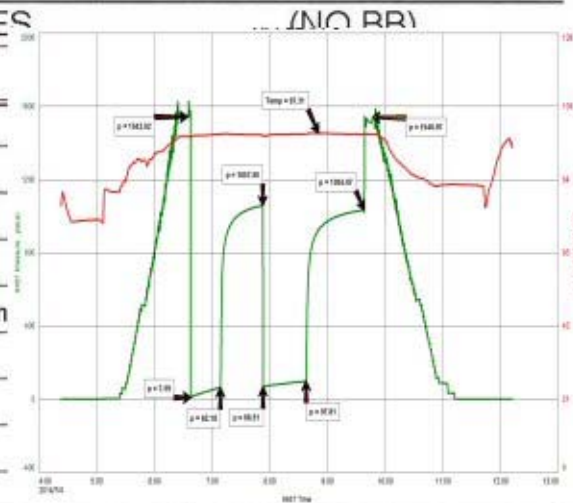
Depth of Selective Zone Set

Top Recorder Depth (Inside) 3206 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
 Bottom Recorder Depth (Outside) 3287 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 50 Drill Collar Length 144 ft. I.D. 2 1/4 in.
 Weight 9.1 Water Loss 6.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 900 P.P.M. Drill Pipe Length 3048 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number STY. JT. Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 40 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: WEAK SURFACE BLOW, BUILDING TO 4 INCHES
2nd Open: WEAK SURFACE BLOW, BUILDING TO 6 INCHES.

Recovered 70 ft. of VSOHMCW, 1% OIL, 58% WATER, 41% MUD
 Recovered 120 ft. of VSOWCM, 2% OIL, 36% WATER, 62% MUD
 Recovered 190 ft. of TOTAL FLUID
 Recovered _____ ft. of _____
 Recovered _____ ft. of CHLORIDES: 35,000 ppm
 Recovered _____ ft. of PH: 7.0
 Remarks: RW: .22 @ 76 deg.



TOOL SAMPLE: TRACE OIL, 74% WATER, 26% MUD

Time Set Packer(s) 6:37 AM A.M. P.M. Time Started Off Bottom 9:37 AM A.M. P.M. Maximum Temperature 97 deg.
 Initial Hydrostatic Pressure..... (A) 1542 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 62 P.S.I.
 Initial Closed In Period..... Minutes 45 (D) 1058 P.S.I.
 Final Flow Period..... Minutes 45 (E) 67 P.S.I. to (F) 78 P.S.I.
 Final Closed In Period..... Minutes 60 (G) 1034 P.S.I.
 Final Hydrostatic Pressure..... (H) 1541 P.S.I.

DIAMOND TESTING

General Information Report

General Information

Company Name L.D. DRILLING, INC.
Contact L.D. DAVIS
Well Name APPLE #1-6
Unique Well ID DST #1, TOPEKA, 2881-2915
Surface Location SEC 6-6S-17W, ROOKS CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #1, TOPEKA, 2881-2915
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator L.D. DRILLING, INC.
Report Date 2014/07/01
Prepared By TIM VENTERS
Qualified By KEITH REAVIS

Start Test Date 2014/06/30
Final Test Date 2014/07/01

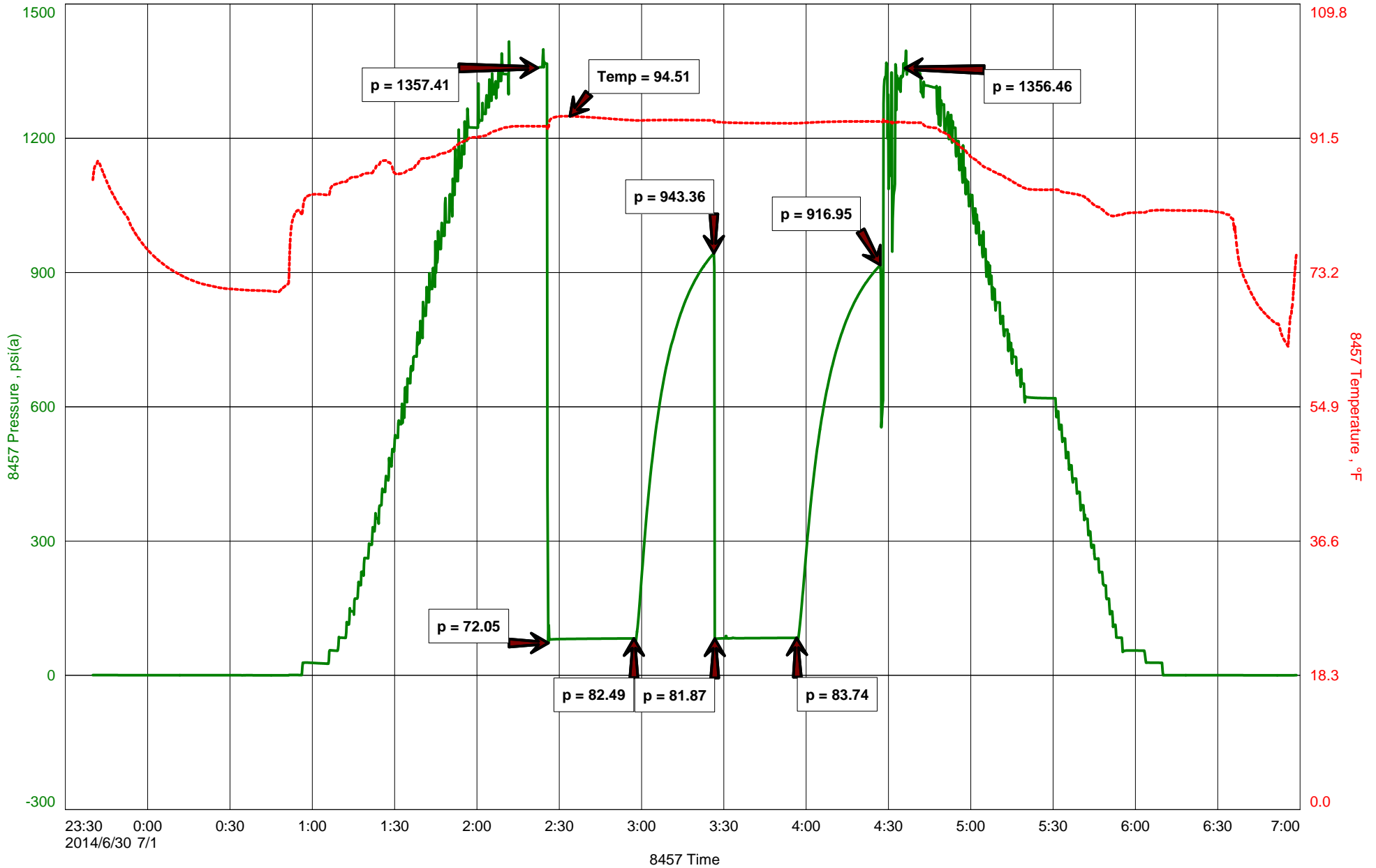
Start Test Time 11:40:00
Final Test Time 06:59:00

Test Recovery:

RECOVERED: 145' MUD

TOOL SAMPLE: 100% MUD

APPLE #1-6





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: APPLE1-6DST1

TIME ON: 11:40 7-1-14
TIME OFF: 06:59 7-1-14

Company L.D. DRILLING, INC. Lease & Well No. APPLE #1-6
Contractor SKYTOP DRILLING RIG #1 Charge to L.D. DRILLING, INC.
Elevation 1933 KB Formation TOPEKA Effective Pay _____ Ft. Ticket No. T362
Date 7-1-14 Sec. 6 Twp. 6 S Range 17 W County ROOKS State KANSAS
Test Approved By KEITH REAVIS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 2881 ft. to 2915 ft. Total Depth 2915 ft.
Packer Depth 2876 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 2881 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 2867 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 2912 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 46 Drill Collar Length 144 ft. I.D. 2 1/4 in.
Weight 8.6 Water Loss 7.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 900 P.P.M. Drill Pipe Length 2709 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number STY. JT. Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 34 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: **STRONG 4 INCH BLOW, BUILDING TO 4 1/2 INCHES.** (NO BB)
2nd Open: **VERY WEAK SURFACE BLOW, LASTING 2 MIN.** (NO BB)

Recovered 145 ft. of MUD
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: WE SLID ABOUT 20 FEET WHEN SETTING TOOL.

	Price Job
	Other Charges
	Insurance
TOOL SAMPLE: 100% MUD	Total

Time Set Packer(s) 2:26 AM A.M. P.M. Time Started Off Bottom 4:26 AM A.M. P.M. Maximum Temperature 95 deg.

Initial Hydrostatic Pressure..... (A) 1357 P.S.I.
Initial Flow Period..... Minutes 30 (B) 72 P.S.I. to (C) 82 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 943 P.S.I.
Final Flow Period..... Minutes 30 (E) 82 P.S.I. to (F) 84 P.S.I.
Final Closed In Period..... Minutes 30 (G) 917 P.S.I.
Final Hydrostatic Pressure..... (H) 1356 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.	Representative	TIM VENTERS
Contact	L.D. DAVIS	Well Operator	L.D. DRILLING, INC.
Well Name	APPLE #1-6	Report Date	2014/07/02
Unique Well ID	DST #2, LOWER TOPEKA, 3000-3040	Prepared By	TIM VENTERS
Surface Location	SEC 6-6S-17W, ROOKS CO. KS.	Qualified By	KEITH REAVIS
Field	WILDCAT		
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #2, LOWER TOPEKA, 3000-3040		
Well Fluid Type	01 Oil		
Start Test Date	2014/07/01	Start Test Time	21:15:00
Final Test Date	2014/07/02	Final Test Time	05:03:00

Test Recovery:

RECOVERED: 65' MUD
55' WCM, 37% WATER, 63% MUD
120' TOTAL FLUID

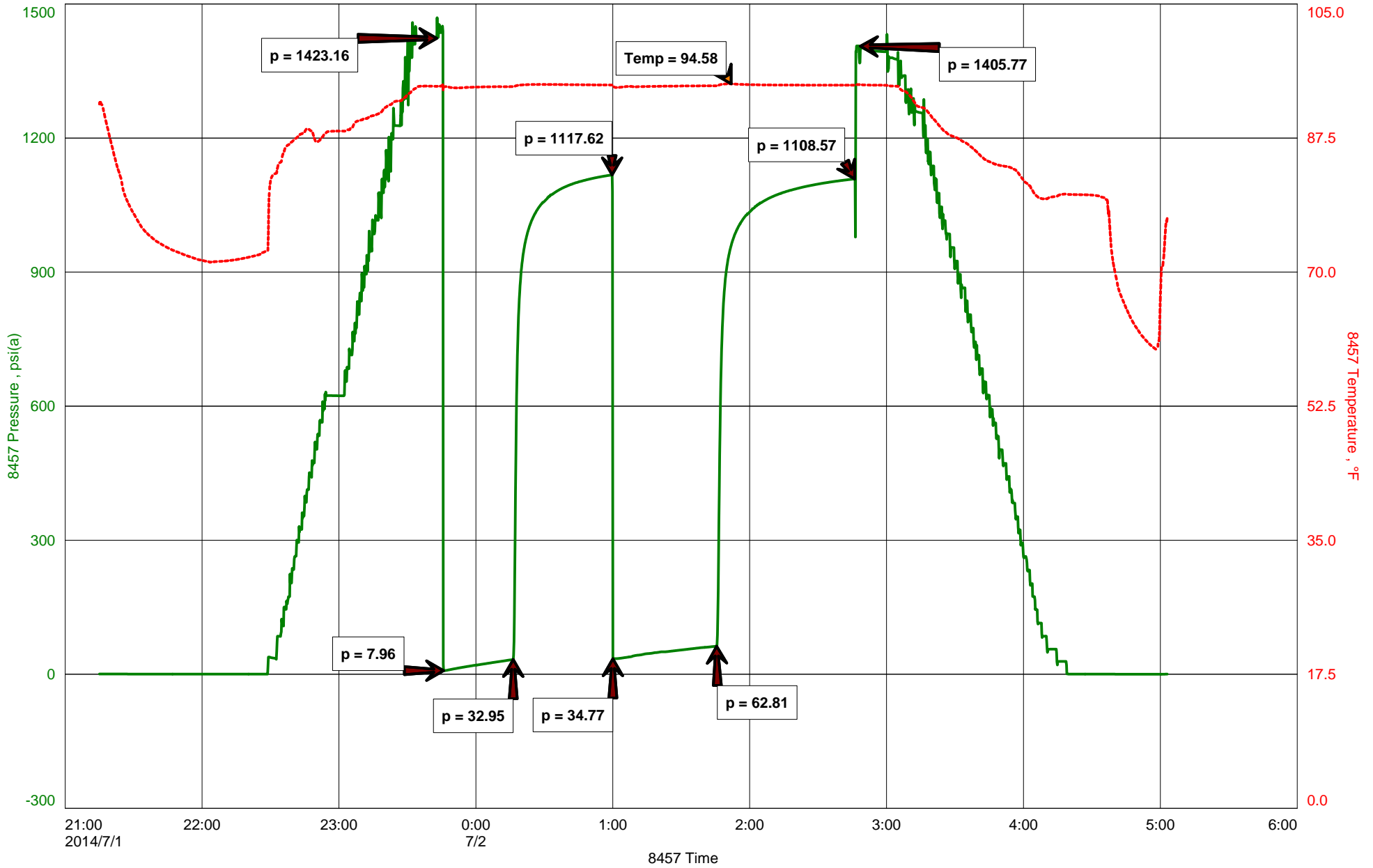
TOOL SAMPLE: TRACE OIL, 14% WATER, 86% MUD

CHLORIDES: 22,000 ppm
PH: 7.5
RW: .42 @ 70 deg.

L.D. DRILLING, INC.
DST #2, LOWER TOPEKA, 3000-3040
Start Test Date: 2014/07/01
Final Test Date: 2014/07/02

APPLE #1-6
Formation: DST #2, LOWER TOPEKA, 3000-3040
Pool: WILDCAT
Job Number: T363

APPLE #1-6





DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: APPLE1-6DST2

TIME ON: 21:15 7-1-14
 TIME OFF: 05:03 7-2-14

Company L.D. DRILLING, INC. Lease & Well No. APPLE #1-6
 Contractor SKYTOP DRILLING RIG #1 Charge to L.D. DRILLING, INC.
 Elevation 1933 KB Formation LOWER TOPEKA Effective Pay _____ Ft. Ticket No. T363
 Date 7-1-14 Sec. 6 Twp. _____ 6 S Range _____ 17 W County ROOKS State KANSAS
 Test Approved By KEITH REAVIS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 2 Interval Tested from 3000 ft. to 3040 ft. Total Depth 3040 ft.
 Packer Depth 2995 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3000 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 2986 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
 Bottom Recorder Depth (Outside) 3037 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 50 Drill Collar Length 144 ft. I.D. 2 1/4 in.
 Weight 9.0 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 300 P.P.M. Drill Pipe Length 2828 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number STY. JT. Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 40 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: WEAK 1/4 INCH BLOW, BUILDING TO 2 INCHES. (NO BB)
 2nd Open: VERY WEAK SURFACE BLOW, BUILDING TO 2 1/2 INHCES. (NO BB)

Recovered 65 ft. of MUD
 Recovered 55 ft. of WCM, 37% WATER, 63% MUD
 Recovered 120 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: _____	
TOOL SAMPLE: <u>TRACE OIL, 14% WATER, 86% MUD</u>	Total

Time Set Packer(s) 11:45 PM A.M. P.M. Time Started Off Bottom 2:45 AM A.M. P.M. Maximum Temperature 95 deg.

Initial Hydrostatic Pressure..... (A) 1423 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 33 P.S.I.
 Initial Closed In Period..... Minutes 45 (D) 1118 P.S.I.
 Final Flow Period..... Minutes 45 (E) 35 P.S.I. to (F) 63 P.S.I.
 Final Closed In Period..... Minutes 60 (G) 1109 P.S.I.
 Final Hydrostatic Pressure..... (H) 1406 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
Well Name APPLE #1-6
Unique Well ID DST #3, LANSING "A-B", 3110-3172
Surface Location SEC 6-6S-17W, ROOKS CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #3, LASNING "A-B", 3110-3172
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator L.D. DRILLING, INC.
Report Date 2014/07/03
Prepared By TIM VENTERS
Qualified By KEITH REAVIS

Start Test Date 2014/07/02
Final Test Date 2014/07/03

Start Test Time 19:20:00
Final Test Time 02:53:00

Test Recovery:

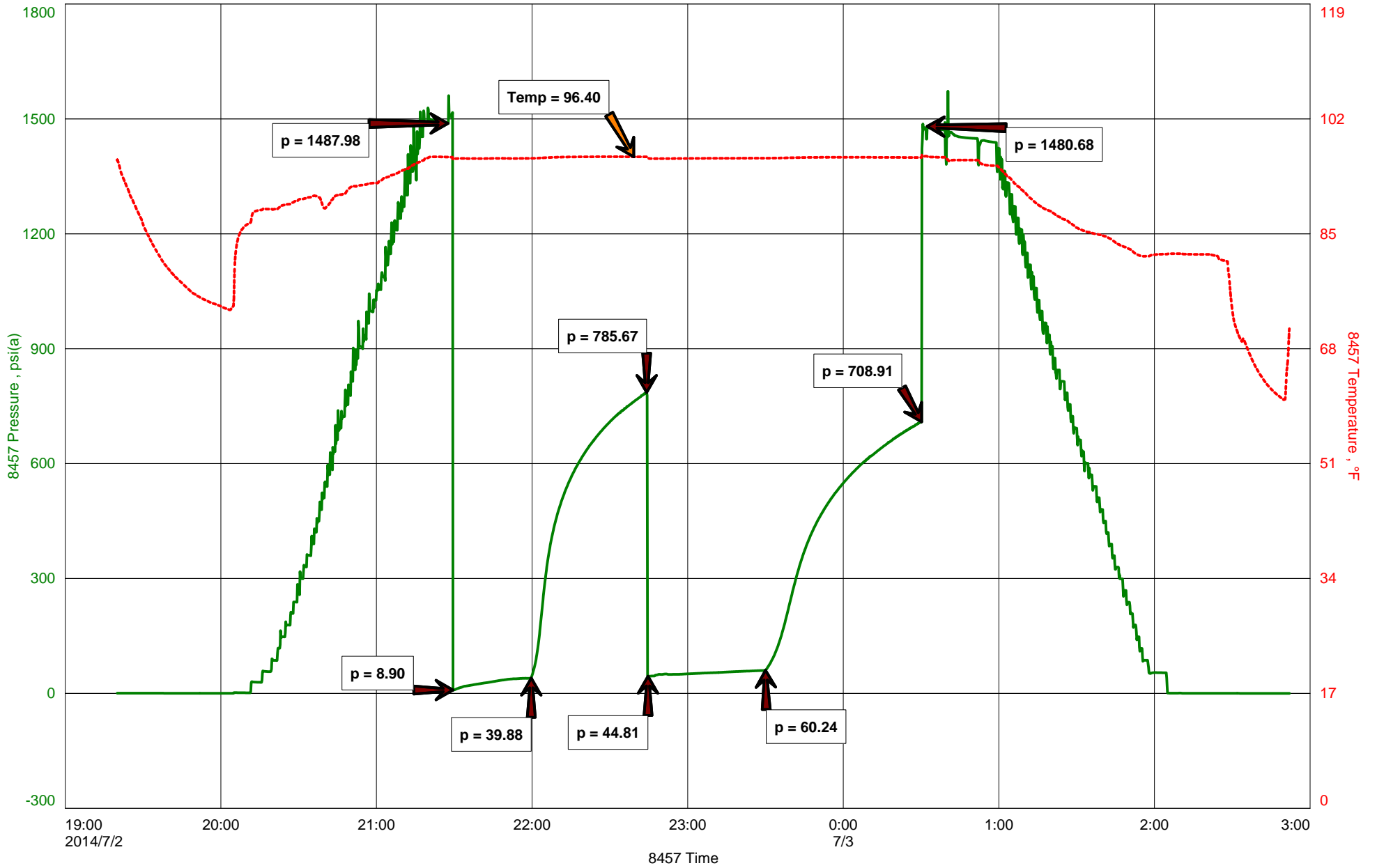
RECOVERED: 5' SMCO, 93% OIL, 7% MUD, GRAVITY: 39
115' SOCM, 8% OIL, 92% MUD
120' TOTAL FLUID

TOOL SAMPLE: 4% OIL, 96% MUD

L.D. DRILLING, INC.
DST #3, LANSING "A-B", 3110-3172
Start Test Date: 2014/07/02
Final Test Date: 2014/07/03

APPLE #1-6
Formation: DST #3, LASNING "A-B", 3110-3172
Pool: WILDCAT
Job Number: T364

APPLE #1-6





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: APPLE1-6DST3

TIME ON: 19:20 7-2-14
TIME OFF: 02:53 7-3-14

Company L.D. DRILLING, INC. Lease & Well No. APPLE #1-6
Contractor SKYTOP DRILLING RIG #1 Charge to L.D. DRILLING, INC.
Elevation 1933 KB Formation LANSING "A-B" Effective Pay _____ Ft. Ticket No. T364
Date 7-2-14 Sec. 6 Twp. 6 S Range 17 W County ROOKS State KANSAS
Test Approved By KEITH REAVIS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 3 Interval Tested from 3110 ft. to 3172 ft. Total Depth 3172 ft.

Packer Depth 3105 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 3110 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3096 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 3169 ft. Recorder Number 11029 Cap. 5,025 P.S.I.

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

Mud Type CHEMICAL Viscosity 46 Drill Collar Length 144 ft. I.D. 2 1/4 in.

Weight 9.1 Water Loss 7.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 1,200 P.P.M. Drill Pipe Length 2938 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number STY. JT. Test Tool Length 28 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 30 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{32' DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/4 INCH BLOW, BUILDING TO 3 INCHES. (NO BB)

2nd Open: VERY WEAK SURFACE BLOW, BUILDING TO 2 1/2 INHCES. (NO BB)

Recovered 5 ft. of SMCO, 93% OIL, 7% MUD, GRAVITY: 39

Recovered 115 ft. of SOCM, 8% OIL, 92% MUD

Recovered 120 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: 4% OIL, 96% MUD

Time Set Packer(s) 9:29 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 12:29 AM ^{A.M.}/_{P.M.} Maximum Temperature 96 deg.

Initial Hydrostatic Pressure..... (A) 1488 P.S.I.

Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 40 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 786 P.S.I.

Final Flow Period..... Minutes 45 (E) 45 P.S.I. to (F) 60 P.S.I.

Final Closed In Period..... Minutes 60 (G) 709 P.S.I.

Final Hydrostatic Pressure..... (H) 1481 P.S.I.

Price Job
Other Charges
Insurance
Total

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
Well Name APPLE #1-6
Unique Well ID DST #4, LANSING "F-G", 3172-3214
Surface Location SEC 6-6S-17W, ROOKS CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #4, LANSING "F-G", 3172-3214
Well Fluid Type 01 Oil

Start Test Date 2014/07/03
Final Test Date 2014/07/03

Representative TIM VENTERS
Well Operator L.D. DRILLING, INC.
Report Date 2014/07/03
Prepared By TIM VENTERS
Qualified By KEITH REAVIS

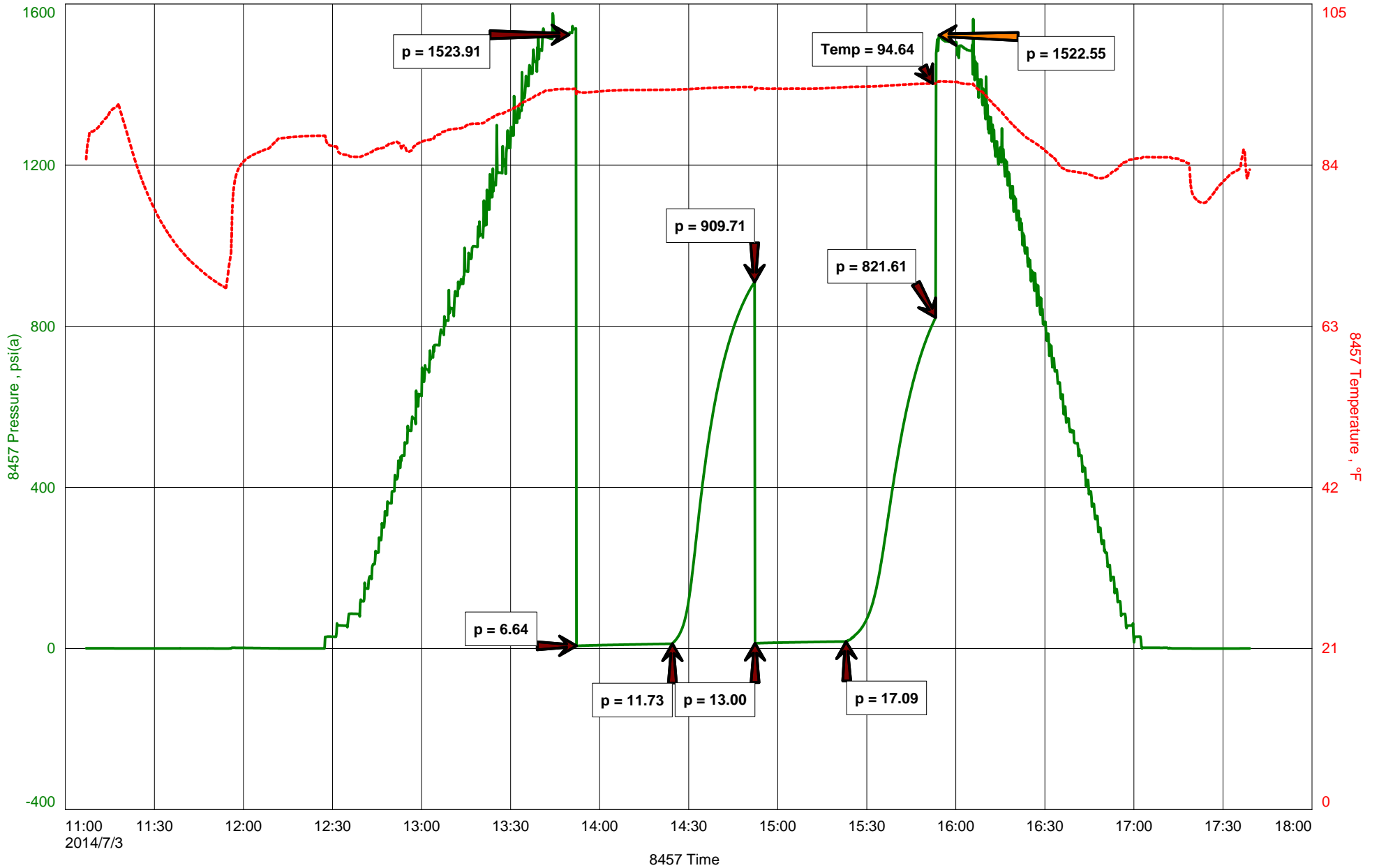
Start Test Time 11:07:00
Final Test Time 17:39:00

Test Recovery:

RECOVERED: 10' VSOCM 1% OIL, 99% MUD

TOOL SAMPLE: 5% OIL, 95% MUD

APPLE #1-6





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: APPLE1-6DST4

TIME ON: 11:07
TIME OFF: 17:39

Company L.D. DRILLING, INC. Lease & Well No. APPLE #1-6
Contractor SKYTOP DRILLING RIG #1 Charge to L.D. DRILLING, INC.
Elevation 1933 KB Formation LANSING "F-G" Effective Pay _____ Ft. Ticket No. T365
Date 7-3-14 Sec. 6 Twp. 6 S Range 17 W County ROOKS State KANSAS
Test Approved By KEITH REAVIS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 4 Interval Tested from 3172 ft. to 3214 ft. Total Depth 3214 ft.
Packer Depth 3167 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3172 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3158 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 3211 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 50 Drill Collar Length 144 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 6.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 900 P.P.M. Drill Pipe Length 3000 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number STY. JT. Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 42 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: WEAK SURFACE BLOW THROUGHOUT PERIOD. (NO BB)
2nd Open: VERY WEAK SURFACE BLOW, LASTING 1 1/2 MIN. (NO BB)

Recovered 5 ft. of VSOCM, 1% OIL, 99% MUD
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks:	Price Job
	Other Charges
	Insurance
	Total

TOOL SAMPLE: 5% OIL, 95% MUD

Time Set Packer(s) 1:51 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 3:51 PM ^{A.M.}/_{P.M.} Maximum Temperature 95 deg.
Initial Hydrostatic Pressure..... (A) 1524 P.S.I.
Initial Flow Period..... Minutes 30 (B) 7 P.S.I. to (C) 12 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 910 P.S.I.
Final Flow Period..... Minutes 30 (E) 13 P.S.I. to (F) 17 P.S.I.
Final Closed In Period..... Minutes 30 (G) 822 P.S.I.
Final Hydrostatic Pressure..... (H) 1523 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
Well Name APPLE #1-6
Unique Well ID DST #5, LANSING "H-I", 3220-3290
Surface Location SEC 6-6S-17W, ROOKS CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #5, LANSING "H-I", 3220-3290
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator L.D. DRILLING, INC.
Report Date 2014/07/04
Prepared By TIM VENTERS
Qualified By KEITH REAVIS

Start Test Date 2014/07/04
Final Test Date 2014/07/04

Start Test Time 04:23:00
Final Test Time 12:13:00

Test Recovery:

RECOVERED: 70' VSOHMCW, 1% OIL, 58% WATER, 41% MUD
120' VSOWCM, 2% OIL, 36% WATER, 62% MUD
190' TOTAL FLUID

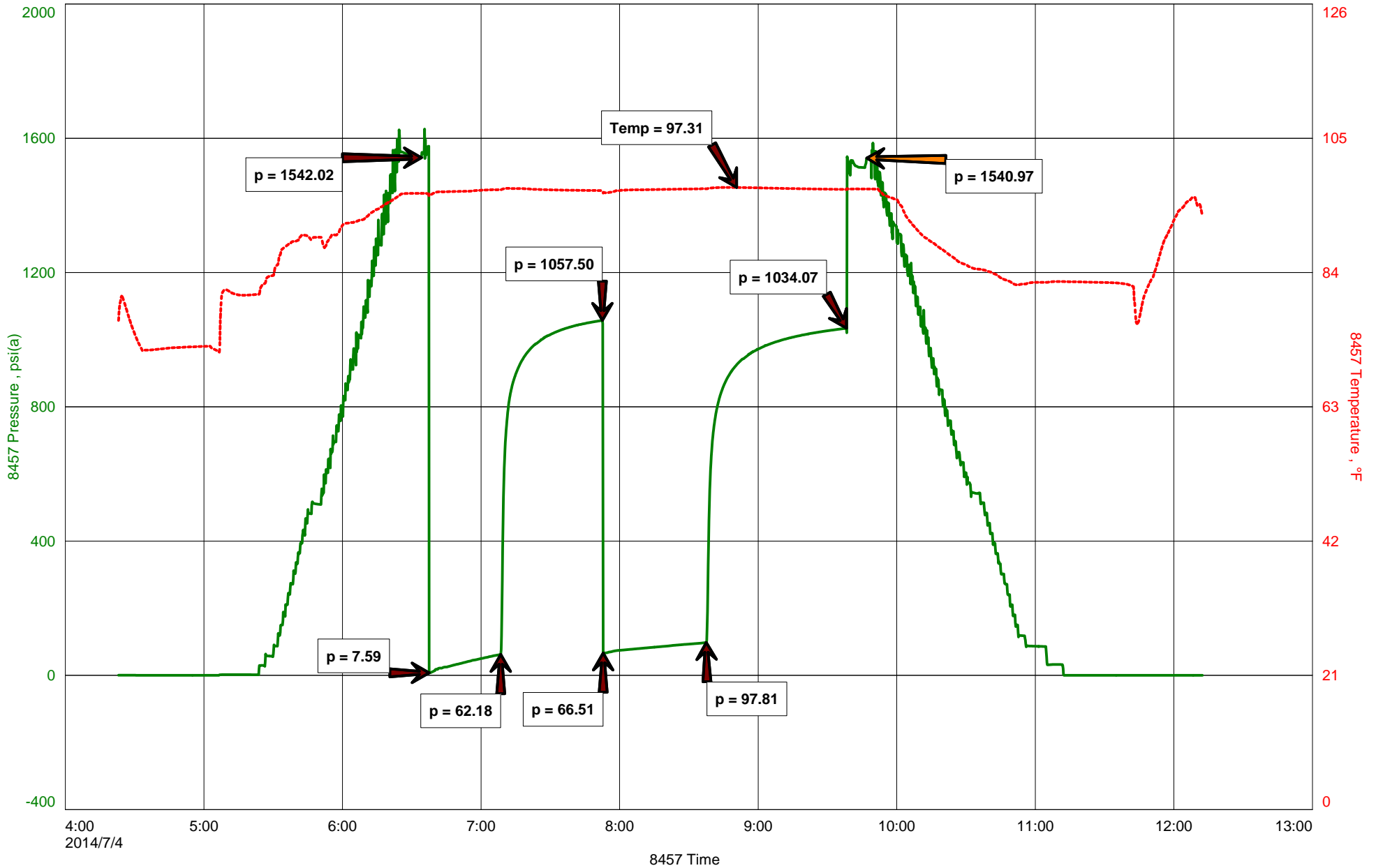
TOOL SAMPLE: TRACE OIL, 74% WATER, 26% MUD

CHLORIDES: 35,000 ppm
PH: 7.0
RW: ,
.22 @ 76 deg.

L.D. DRILLING, INC.
DST #5, LANSING "H-I", 3220-3290
Start Test Date: 2014/07/04
Final Test Date: 2014/07/04

APPLE #1-6
Formation: DST #5, LANSING "H-I", 3220-3290
Pool: WILDCAT
Job Number: T366

APPLE #1-6





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: APPLE1-6DST5

TIME ON: 04:23
TIME OFF: 12:13

Company L.D. DRILLING, INC. Lease & Well No. APPLE #1-6
Contractor SKYTOP DRILLING RIG #1 Charge to L.D. DRILLING, INC.
Elevation 1933 KB Formation LANSING "H-I" Effective Pay _____ Ft. Ticket No. T366
Date 7-4-14 Sec. 6 Twp. 6 S Range 17 W County ROOKS State KANSAS
Test Approved By KEITH REAVIS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 5 Interval Tested from 3220 ft. to 3290 ft. Total Depth 3290 ft.
Packer Depth 3215 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3220 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3206 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 3287 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 50 Drill Collar Length 144 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 6.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 900 P.P.M. Drill Pipe Length 3048 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number STY. JT. Test Tool Length 28 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 40 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{30' DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK SURFACE BLOW, BUILDING TO 4 INCHES. (NO BB)
2nd Open: WEAK SURFACE BLOW, BUILDING TO 6 INCHES. (NO BB)

Recovered 70 ft. of VSOHMCW, 1% OIL, 58% WATER, 41% MUD
Recovered 120 ft. of VSOWCM, 2% OIL, 36% WATER, 62% MUD
Recovered 190 ft. of TOTAL FLUID

Recovered _____ ft. of _____	CHLORIDES: 35,000 ppm	Price Job
Recovered _____ ft. of _____	PH: 7.0	Other Charges
Remarks: _____	RW: .22 @ 76 deg.	Insurance
TOOL SAMPLE: TRACE OIL, 74% WATER, 26% MUD		Total

Time Set Packer(s) 6:37 AM ^{A.M.} P.M. Time Started Off Bottom 9:37 AM ^{A.M.} P.M. Maximum Temperature 97 deg.

Initial Hydrostatic Pressure..... (A) 1542 P.S.I.
Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 62 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1058 P.S.I.
Final Flow Period..... Minutes 45 (E) 67 P.S.I. to (F) 78 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1034 P.S.I.
Final Hydrostatic Pressure..... (H) 1541 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.



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET
1718 11012 A

DATE _____ TICKET NO. _____

DATE OF JOB 7-5-2014 DISTRICT Pratt, KS		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:	
CUSTOMER LD Drilling, Inc		LEASE Apple WELL NO. 1-6	
ADDRESS		COUNTY Roos STATE KS	
CITY STATE		SERVICE CREW Derin,	
AUTHORIZED BY		JOB TYPE: CNW / PTA	

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
27283	3						7-4	AM	9:30
27463	3						7-5	AM	3:00
70959	3						7-5	AM	4:30
19918	3						7-5	PM	7:30
						RELEASED		AM	
						MILES FROM STATION TO WELL			163

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: [Signature]
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP103	60/40 P02	SK	240		2,880 00
CC200	Cement Gel	Lb	414		103 58
CF153	Wooden Cement Plug 88/8	ES	1		160 00
E100	Unit Mlesse Chrsce - Pick up	Mi	175		743 75
E101	Hesuy Equipment Mlesse	Mi	350		2,450 00
E113	Bulk Delivery	T/m	1811		3,984 75
CE202	Depth Chrsce; 1001-2000'	4hrs	1		1,500 00
CE240	Blenders & Mixing Service Chrsce	SK	240		336 00
SC03	Service Supervisor, First 8hrs on loc.	ES	1		175 00

CHEMICAL / ACID DATA:			

SUB TOTAL		8,924 56
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE <u>[Signature]</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>[Signature]</u>
FIELD SERVICE ORDER NO.	(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer LD Drilling, Inc	Lease No.	Date 7-5-2014
Lease D.P.P.I.E	Well # 1-6	
Field Order # 11012	Station Pratt, KS	Casing 4 1/2 DP
		Depth 1400
Type Job CIVIL/PTA	Formation	County ROOKS
		State KS
		Legal Description 6-6-17

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth	Depth	From	To	Pre Pad	Max		5 Min.
Volume	Volume	From	To	Pad	Min		10 Min.
Max Press	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 Kevin Gorder	Treater Darin Franklin
Service Units 27283 27463 70955 19918		
Driver Names Darin Houston Eddie Eddie		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
3:00 AM					on location / SS Per meetings
					60/40 POZ 4% Gel
					1st Plus - 1400' - 50sy
					LOSE hole
4:30	200		8	4	8 bbls water
	200		13	4	50sy cement
	200		3	4	3 water
	200		13		13 mud
					2nd Plus - 850' - 100sy
					2 @ 2 hr
	200		9	4	9 water
	200		28	4	100sy cement
	200		3	4	3 water
					3rd Plus - 380' - 50sy
					LOSE hole
	100		3	4	3 water
	100		13	4	50sy
	100		1	4	1 water
					4th Plus - 40' - 10sy
			3	3	10sy cement
	100		8	3	Per mix - 30sy
7:30 PM					Job complete / Darin & Crew

