



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- 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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1048824

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

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

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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 Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
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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 (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L.D. Drilling, Inc.
Well Name	DARREL 1-31
Doc ID	1048824

All Electric Logs Run

DUAL COMPENSATED POROSITY LOG
DUAL INDUCTION LOG
MICRORESISTIVITY LOG
RADIATION GUARD LOG
SONIC CEMENT BOND LOG BY LOG-TECH
SONIC CEMENT BOND LOG BY TIGER WIRELAINE SERVICE

Form	ACO1 - Well Completion
Operator	L.D. Drilling, Inc.
Well Name	DARREL 1-31
Doc ID	1048824

Tops

Name	Top	Datum
ANHYDRITE	2107	+593
BASE ANHYDRITE	2137	+563
HEEBNER SHALE	3705	-1005
LANSING	3740	-1040
MUNCIE CREEK SHALE	3906	-1206
STARK SHALE	3990	-1290
MARMATON	4087	-1387
PAWNEE	4177	-1477
FORT SCOTT	4238	-1538
CHEROKEE SHALE	4266	-1566
MISSISSIPPIAN	4346	-1646
RTD	4465	-1665
LTD	4364	-1664

Customer <i>LD Drilling</i>	Lease No.	Date
Lease <i>Darrel</i>	Well # <i>1-31</i>	<i>7-3-10</i>
Field Order # <i>171700246</i>	Station <i>Liberal</i>	Casing <i>8 7/8</i>
Type Job <i>Z47 8 7/8 Surface</i>	Depth <i>262</i>	County <i>Gove</i>
	Formation	State <i>Ks</i>
		Legal Description <i>31-14-29</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>8 7/8</i>								
Depth <i>262</i>	Depth	From	To	Pre Pad	Max		5 Min.	
Volume <i>15</i>	Volume	From	To	Pad	Min		10 Min.	
Max Press <i>100</i>	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection <i>Head</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative <i>Larry</i>	Station Manager <i>Jerry Bennett</i>	Treater <i>Jacoby Arciniegua</i>
Service Units <i>30464 19919 14355 14284 19820</i>		
Driver Names <i>C. Lopez M. Stegman J. Arciniegua</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>0:15</i>					<i>On loc</i>
<i>0:20</i>					<i>Safety Meeting</i>
<i>0:25</i>					<i>Rig up</i>
<i>2:06</i>		<i>—</i>			<i>Test Lines to 500</i>
<i>2:12</i>	<i>300</i>	<i>—</i>	<i>47</i>	<i>2.4</i>	<i>Pump 200 cK Premium Plus @ 14.3"</i>
<i>2:34</i>		<i>—</i>			<i>Drop Plug</i>
<i>2:35</i>	<i>200</i>	<i>—</i>	<i>15</i>	<i>4</i>	<i>Disp</i>
<i>2:40</i>	<i>200</i>	<i>—</i>			<i>Shut well in</i>
<i>2:41</i>					<i>Rig down</i>
<i>3:00</i>					<i>Leave loc.</i>

Give 20 BBL TO Pit



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 1995 A

DATE _____ TICKET NO. _____

DATE OF JOB 7-15-10 DISTRICT KANSAS		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 L O Drilling Inc		LEASE Darrell 1-31 WELL NO.							
ADDRESS		COUNTY Gove 31-14-29 STATE KANS.							
CITY STATE		SERVICE CREW A. Werth, J. melson, D. Phye, Edm, no.							
AUTHORIZED BY		JOB TYPE: 4 1/2" 2-Stage L.S. C MW							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
28443 P.U.	1					7-14-10	7-14-10	AM	4:00
33708-20920	1 1/2					ARRIVED AT JOB	7-15-10	AM	5:30
19831-19832	1 1/2					START OPERATION	7-15-10	AM	12:45
19960-19988	1 1/2					FINISH OPERATION	7-15-10	AM	1:54:5
19907 P.U.	1					RELEASED	7-15-10	AM	16:30
						MILES FROM STATION TO WELL	100-miles		

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
CP103	60/40 Poz		200-SK		\$ 2400.00
CP101	A-CON Blend Common		400-SK		\$ 7200.00
CP103	60/40 Poz		50-SK		\$ 600.00
CC111	SALT Fine		1799-lb		\$ 899.50
CC112	Cement Friction Reducer		86-lb		\$ 516.00
CC201	Gilsonite		1000-lb		\$ 670.00
CC102	cell Flake		100-lb		\$ 370.00
CC109	Calcium Chloride		1128-lb		\$ 1184.40
CF400	Two Stage cnt collar 4 1/2" Red		1-CA		\$ 4500.00
CF600	4 1/2" Latch Down Plug + Assembly Red		1-CA		\$ 720.00
CF1250	Auto Fill Float Shoe 4 1/2" Blue		1-CA		\$ 330.00
CF1600	Turbulizer 4 1/2" Blue		8-CA		\$ 680.00
CF1900	Basket 4 1/2" Blue		1-CA		\$ 270.00
CG04	CS-11 KCL Sub		1-9AL		\$ 35.00
CG151	mud Flush		500-9AL		\$ 430.00

SUB TOTAL **DLS**

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE Allen + Ward THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY Jerry D. ...
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____

Bottom Stage

Customer L.O Drilling Inc	Lease No.	Date 7-15-10
Lease Darrell	Well # 1-31	
Field Order # 17181995A	Station Pratt	Casing 4 1/2"
		Depth 4464
Type Job 4 1/2" 2-stage	Formation cnw	County Gove
		State KS
		Legal Description 31-14-29

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 4 1/2"	Tubing Size	Shots/Ft	200 sks	Acid 60/40 Poz.	Bottom	RATE	PRESS	ISIP
Depth 4464	Depth	From	To 400 sks	Pre Pad A-con - Top stage	Max			5 Min.
Volume 3	Volume	From	To 20 BBL	Pad 2% KCL	Min			10 Min.
Max Press 1300	Max Press	From	To 12 BBL	Frac mud Flush	Avg			15 Min.
Well Connection P.C	Annulus Vol.	From	To 50 sks	60/40 Poz	MHP Used	Plug R.H. + M.N.		Annulus Pressure
Plug Depth 4454	Packer Depth	From	To	Flush water disp. mixed.	Gas Volume			Total Load

Customer Representative	Station Manager scotty	Treater Allen F Werth
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Service Units	28943	33708	20920	19860	19918	19831	19860	19907
Driver Names	A. werth	Joe	Melso	Dale	Phye	Edmundo	Gordley	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Notes
5:30 AM					Bottom Stage Service Log VAL #4 on loc. Setup + Plan Job. Discuss Safety
8:21					Rig Laying down Drill Pipe. out of Hole - lay down Kelly + m H
10:10					Rig up to Run 4 1/2" casing 10.5 # start 4 1/2" casing. Shoe Jt. 10' w/ FIDAT SHOE + L.D. Baffle in collar Cent 1-3-5-7-9-11-13-54 Basket on Bot. SS - DV Top SS @ 2139 Tag Bottom @ 4465 - Pickup to 4464 + CIR w/ Rig.
12:00 PM					
12:45	200 #		20	5	Pump 20 BBL 2% KCL
			12	5	Pump 12 BBL mud Flush
				6	Pump 3 BBL H ₂ O SPACER
			42	6	mix + Pump 200 sks 60/40 Poz @ 15.4 #
10:5				6	Fin. mix wash out Pump + Line
				6	Drop. L.D. Plug. + start Disp. 40 BBLs H ₂ O + 30 3/4 BBLs mud.
				6	caught lift + 49 BBLs out
11:5	1500 #		70 3/4	4	Plug down - Plug R.H + m H 50 sks Release PSI - OK - Drop opening
13:5	800 #				open DV w/ P.t. - CIR w/ Rig.

Continued:

#2
TOP STAGE

Customer L.O. Drilling Inc	Lease No.	Date 7-15-10
Lease Darrell	Well # 1-31	
Field Order # 1718199 SA	Station Pratt KS	Casing 4 1/2"
Type Job 4 1/2" Two Stage Long String	Depth DV 2139	County Gove
	Formation cww	State KS
		Legal Description 31-14-29

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 4 1/2	Tubing Size	Shots/Ft	400 SKS	Acid	A-con Blend	RATE	PRESS	ISIP
Depth 2139	Depth	From	To	Pre Pad		Max	12 #/gal	5 Min.
Volume 34	Volume	From	To	Pad		Min		10 Min.
Max Press	Max Press	From	To	Frac		Avg		15 Min.
Well Connection P.C	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth 2139	Packer Depth	From	To	Flush D. Sp H2O		Gas Volume		Total Load

Customer Representative: Larry
Station Manager: scotty
Treater: Allen F. Werth

Service Units	28443	33708	20920	19860	19918	19831	19862	19907
Driver Names	werth	Joe	Melton	Orle	Phye	Edmundo	K	Gordley

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
3:00 pm	100 #			6	TOP STAGE #4 Start mix 400SKS A-con Blend @ 12 #/gal
			182		Finish mixing cement wash out pump & line.
3:25	200 #			6	Drop. DV latch Down Plug.
3:35	2000 #		34		Start. Disp. (Good cir) Plug down (DV closed) Release PSI 0 #
	0 #				Washup & Rack up Equip. Job complete
					Cement did not circulate!
					Thanks Allen Joe Edmundo

Thomas J. Funk
Petroleum Geologist
785-542-3359

Geologist's Report
Drilling Time and Sample Log

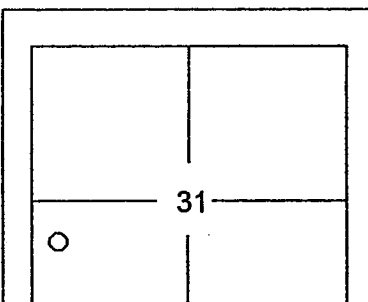
OPERATOR L.D. Drilling, Inc.
LEASE Darrel **WELL NO** #1-31
FIELD Lundgren **API** 15-063-21841
LOCATION 1650' FSL & 330' FWL
SEC. 31 **TWP.** 14S **RGE.** 29W
COUNTY Gove **STATE** Kansas

ELEVATION
KB 2700
DF
GL 2695
 Measurements Are All
 From **KB**

CONTRACTOR Val Drlg Co, Rig #4
COMM 7/3/2010 **COMP** 7/15/2010
RTD 4465' **LOG TD** 4464'
SAMPLES SAVED FROM 3400 **TO TD**
DRILLING TIME KEPT FROM 3200 **TO TD**
SAMPLES EXAMINED FROM 3400 **TO TD**
GEOLOGICAL SUPERVISION FROM 3610 **TO TD**
MUD UP 3100 **TYPE MUD** Chemical

CASING RECORD
SURFACE
 8 5/8" at 262'KB w/200sx
PRODUCTION
 4 1/2" at

ELECTRICAL SURVEYS
 Log Tech
DIL **MEL**
CDN/CNL **RAG**



FORMATION	LOG TOP DATUM	SAMPLE TOP DATUM	STRUCT COMP
Anhydrite	2107 (+593)	2111 (+589)	-3
B/Anhydrite	2137 (+563))	2141 (+559)	Flat
Heebner Sh	3705 (-1005)	3705 (-1005)	Flat
Lansing	3740 (-1040)	3740 (-1040)	+2
Muncie Crk Sh	3906 (-1206)	3907 (-1207)	-9
Stark Sh	3990 (-1290)	3992 (-1292)	-6
Marmaton	4087 (-1387)	4086 (-1386)	-6
Pawnee	4177 (-1477)	4181 (-1481)	-10
Fort Scott	4238 (-1538)	4238 (-1538)	-1
Cherokee Sh	4266 (-1566)	4266 (-1566)	-2
Mississippia	4346 (-1646)	4346 (-1646)	-6

Daily Progress		Bit Record						
Date	Depth	NO	Size	Make	Type	Depth Out	Feet	Hours
7/2/10	Spud	1	12 1/4"	Varel	RR	267	267	2
7/4/10	670'							
7/5/10	1885'	2	7 7/8"	JZ	RR	4234	3967	101
7/6/10	2780'	3	7 7/8"	JZ	RR	4465	231	12
7/7/10	3355'							
7/8/10	3785'							
7/9/10	3815'							
7/10/10	4117'							
7/11/10	4234'							
7/12/10	4340'							
7/13/10	4340'							
7/14/10	4364'							
7/15/10	4465' TD							

Remarks And Recommendations:
 Based upon log analysis, DST recovery, and sample examination it was recommended that casing be run for further testing of the #1-31 Darrel.

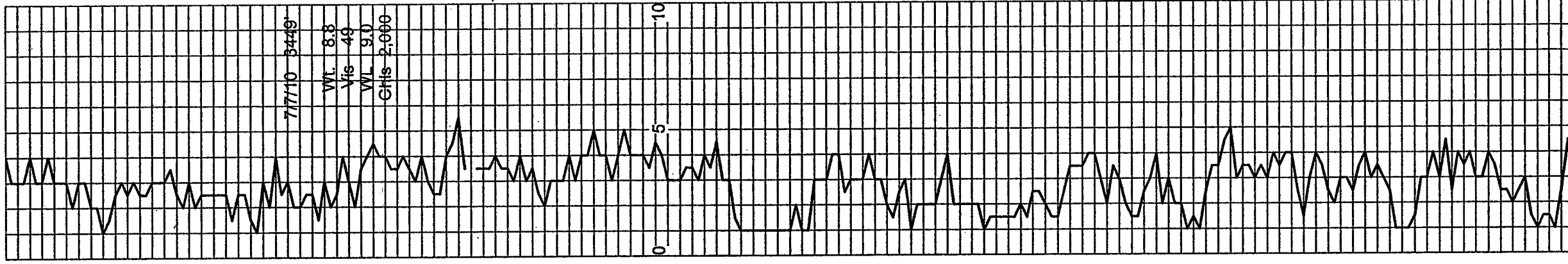
 Thomas Funk
 Petroleum Geologist

LEGEND

-  Dolomite
-  Chert
-  Limestone Ool
-  Limestone
-  Carb Shale
-  Shale
-  Sandstone
-  Salt

DRILLING TIME IN MINUTES

PER FOOT



Sample Descriptions

Sh, gry, md-sft, sm silty

Sh, AA

LS, tn & gry, dns, v f-xln, mott in prt, blocky, tr foss

LS, tn, dns, v f-xln, hrd, foss in prt

LS, gry, dns, mott, v f-xln, argill

LS, lt gry, dns, micro-xln, mott in prt, tr foss

LS, tn, f-xln, ool, foss frag, sm sft-chalky, pr vis por, NS

Sh, gry + LS, tn, f-xln, micro-ool, brittle

LS, tn, f-xln, gran, foss, md-sft, much cht

LS, crm-tn, f-xln, ool, chalky, sft, pr vis por

Sh, gry & tn, md-sft

LS, tn, dns, v f-xln, sct foss frags, mott

Sh, lt gry, calc

LS, crm, f-xln, ool, chalky, pr vis por

LS, lt gry, dns, v f-xln, mott

LS, crm, f-xln, ool, sm chalky, fr oomold por, NS

Remarks

Remarks section is currently blank.

LS, crm, f-xln, ool, sm chlnky, ll vltmold por, NS

LS, AA bec lt gry, mott, sm chalky

LS, gry, dns, micro-xln, blocky

LS, crm-tn, f-xln, dns, ool, sm chalky pr vis moldic por, NS

LS, lt gry, dns, v f-xln, blocky, tr foss

Sh, blk, carb

Sh, tn, gry, and rd, md-sft

LS, crm-tn, f-xln, foss, tr ool, pr vis p pt por, NSFO, fw pcs w/blk stn

Sh, lt gry, sft

LS, tn, f-xln, ool, brittle, sct moldic por, NSFO, no odor, v sct stn

LS, gry, dns, micro-xln, blocky, tr foss

Sh, gry & green

LS, crm-tn, f-xln, ool in prt, sm chty, brittle, sct moldic & int-ool por, SSFO, fr odor, sct sat stn, dull flour

LS, crm, f-xln, ool, sm v chalky, mushy sct moldic por, SSFO, fr odor, sct stn

LS, tn-crm, dns, v f-xln, tr foss

LS, tn, crm, f-xln, tr foss, chalky

LS, tn, v f-xln, foss, pr vis por, NSFO, sct stn

Sh, gry, md-sft

LS, crm f-xln, foss, tr ool, v chalky, pr vis moldic por, NSFO, silt odor, sct blk stn

Sh, lt gry

LS, crm-whit, f-xln, ool, v chalky, sft, fr moldic por, NS

LS, crm-lt tn, v f-xln, blocky, tr foss

LS, tn, dns, f-xln, chalky in prt, sft, tr foss

LS, AA bec lt gry, dns, mott, tr foss

LS, gry, dns, v f-xln, mott, tr foss, md-sft

Sh, blk, carb

Sh, tn, marr, & gry

LS, crm-tn, f-xln, tr ool, sct foss frags, sm chalky, pr vis por, VSSFO, silt odor, pr vis

Heebner Leg 3705 (-1005)

Lansing Leg 3740 (-1040)

7/8/10 3785'

CFS

Wt. 9.1

Vis 59

WL 8.6

CHIS 1.000

CFS

7/9/10 3815'

CFS

Wt. 9.1

Vis 47

WL 8.8

CHIS 3.000

CFS

Mme Crk Leg 3906 (-1206)

DST #1 3762-3785
30"-45"-45"-60"
Blow OBO in 2" on IFP
Blow built to 9 inch on ISIP
Blow OBO in 5" on FFP
Blow built to 9 inch on FSIP
REC: 400' GIP
118' CO (35 deg grav corr API)
155' GOWCM
(6%g,7%o,38%w,49%*m*)
124' SOCMW (2%o,71%w,27%*m*)
744' SW (56,000 ppm chis)
1141' Total Fluid
IFP 56-342 ISIP 615
FFP 354-528 FSIP 619
IHP 1786 FHP 1776
Temp: 131 deg F

Strap: 1.26 ft short
Dev: 1/2 deg

DST #2 3785-3815

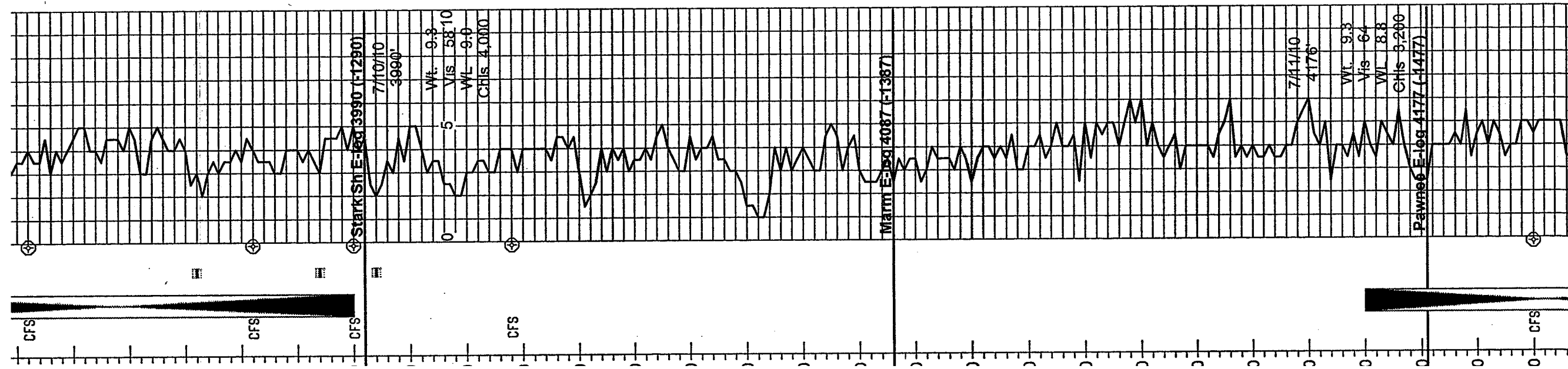
30"-45"-45"-60"
Weak blow built to 4 inches on IFP
Weak blow built to 3 inches on FFP
REC:

5' CO (35 deg grav corr API)
20' OCMW (2%o, 51%w, 47%*m*)
62' MW (79%w, 21%*m*)
87' Total Fluid Recovery
Water Chis: 45,000ppm
IFP 6-21 ISIP 664
FFP 24-42 FSIP 643
IHP 1792 FHP 1785
Temp: 124 deg F

DST #3 3906-3990

30"-30"-30"-30"
Weak blow died in 21" on IFP
No blow on FFP
REC:

10' Mud
IFP 30-27 ISIP 559
FFP 30-33 FSIP 518
IHP 1891 FHP 1882
Temp: 121 deg F



LS, tn, dns, v f-xln, blocky

Sh, gry & gm-gry

Sh, drk gry + LS, tn, dns, micro-xln, blocky, tr foss

LS, crm-tn, f-xln, micro-ool, brittle, sct int-ool por, SSFO, fr odor, pr vis stn, wk flour

LS, tn, dns, v f-xln, blocky, tr foss + Sh, gry, md-sft

LS, tn, dns, v f-xln, sct ool, tr foss, pr vis por, NSFO, no odor, v sct stn

Sh, blk, carb

LS, crm-lt tn, f-xln, foss in prt, tr ool, sm v chalky, pr vis por, NS

LS, tn, dns, v f-xln, blocky, tr foss, mott gry in prt

LS, lt gry, dns, v f-xln, blocky, tr foss

Sh, blk, carb

LS, tn, dns, v f-xln, foss in prt, blocky

LS, lt gry, dns, v f-xln, tr foss, mott

Dolo, tn & gry, v f-xln, dns, blocky, NS + Sh, gyr, silty

LS, lt gry, dns, v f-xln, tr foss, mott

Sh, gry

LS, tn, dns, micro-xln, ool in prt, brittle, NS

Sh, gry, silty

LS, gry, dns, micro-xln, hrd, chty in prt

LS, AA bec drk gry, mott

Sh, lt gry, sft

LS, gry, dns, mott, argill in prt, tr foss

LS, tn, dns, v f-xln, foss in prt, md-sft, no vis por.

Sh, drk gry

LS, gry, dns, mott, argill, tr foss

Sh, blk, carb

LS, tn, dns, v f-xln, blocky, tr foss, chty

LS, tn, f-xln, foss, gran in prt, pr vis p pt por, SSFO, v silt odor, pr vis stn

DST #4 4170-4234

30"-45"-45"-60"

Blow built to BOB in 3" on IFP

Weak blow on iSP

Blow built to BOB in 5" on FFP

Blow built to 10 inches on FSP

REC: 2200' GIP

138' CO (37 deg grav corr API)

155' GCMO (4%g, 80%o, 16%fm)

124' GCMO (22%g, 58%o, 20%fm)

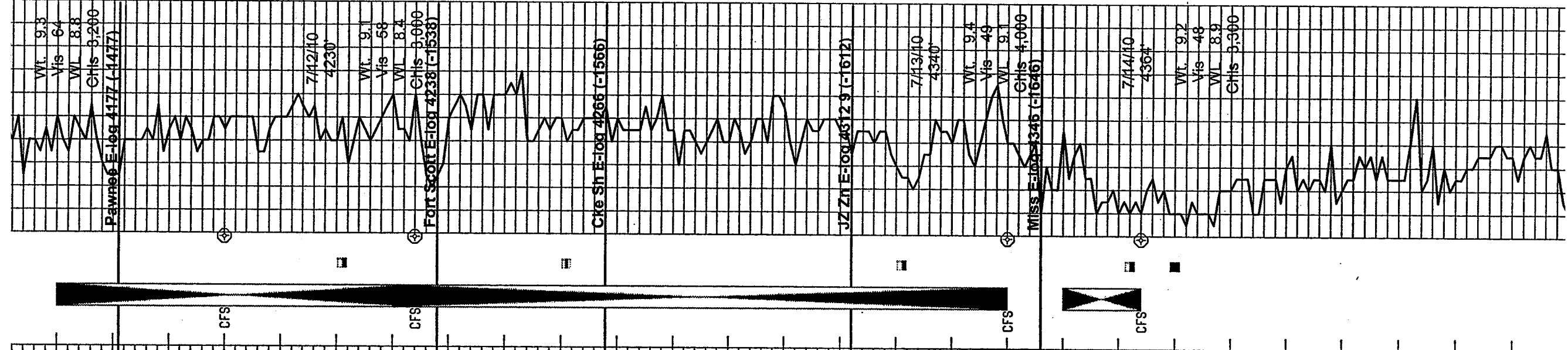
417' Total Filuid

IFP 34-88 ISIP 625

FFP 108-165 FSP 619

IHP 2043 FHP 2037

Temp: 134 deg F

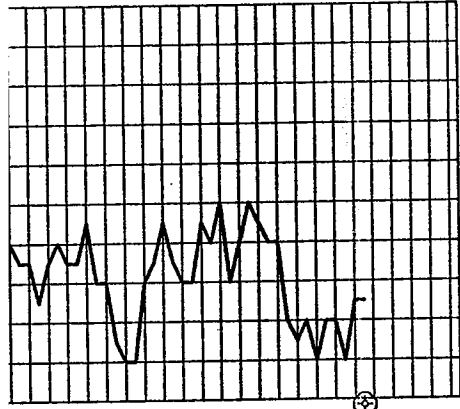


Sh, drk gry
 LS, gry, dns, mott, argill, tr foss
 Sh, blk, carb
 LS, tn, dns, v f-xln, blocky, tr foss, chty
 LS, tn, f-xln, foss, gran in prt, pr vis p pt por, SSFO, v slit odor, pr vis stn
 Sh, blk, carb
 LS, tn, f-xln, foss, sm chty, sct moldic por. SSFO, fr odor, sct sat stn
 Sh, blk, carb
 LS, tn-brn, dns, v f-xln, tr ool, pr vis por, v sct drk stn
 Sh, brn
 LS, tn, f-xln, foss, mott in prt, sct moldic por, SSFO, slit odor, sct stn
 Sh, blk, carb
 Sh, bry + LS, tn-gry, dns, mott, foss, pr vis moldic por, NSFO, slit odor, pr vis stn
 Sh, blk, fiss
 LS, lt gry, dns, micro-xln, brittle, tr foss
 LS, tn, dns, foss in prt, mott
 LS, tn, dns, f-xln, foss, mushy, fr moldic por, SSFO, fr odor, v sct stn
 Sh, gry & yell., sft, sm sd gm inclus
 LS, tn-gry, dns, v chty, hrd + Abt Cht, tn & gry, sb-opq, 75% frsh, fw weath pcs w/stn
 Dolo, tn, f-xln, dns, blocky, hrd, fw pcs w/fr moldic por, SSFO, fr odor, sct stn
 Dolo, tn-brn, dns, f to md-xln, fr to gd vug por, FSFO, gd odor, fr sat stn
 Dolo, tn & gry, dns, v f-xln, sm w/ sct moldic por, SSFO, slit odor, sct stn
 Dolo, gry, dns, blocky, tr cht, hrd
 LS, gry, dns, dolo in prt, blocky, tr foss, NS
 Dolo, gry & tn, dns, v f-xln, tr foss frags, pr vis por, NSFO, slit odor, v sct stn
 Dolo, lt gry, dns, f-xln, suc, sm chty, fr moldic por, NS
 Dolo, AA bec tn, dns, calc

DST #4 4170-4234
 30"-45"-45"-60"
 Blow built to BOB in 3" on IFF
 Weak blow on ISP
 Blow built to BOB in 5" on FFP
 Blow built to 10 inches on FSP
 REC: 2200' GIP
 138' CO (37 deg grav corr API)
 155' GCMO (4%g, 80%o, 16%fm)
 124' GCMO (22%g, 58%o, 20%fm)
 417' Total Fluid
 IFF 34-88 ISIP 625
 FFP 108-165 FSIP 619
 IHP 2043 FHP 2037
 Temp: 134 deg F

DST #5 4230-4340
 30"-45"-45"-60"
 Blow built to BOB in 3" on IFF
 Weak blow on ISP
 Blow built to BOB in 9" on FFP
 Blow built to BOB on FSP
 REC: 770' GIP
 235' CO (34 deg grav corr API)
 208' GMCO (10%g, 70%o, 20%fm)
 155' GMWCO (20%g, 51%o, 17%w, 20%fm)
 186' GMWCO (24%g, 52%o, 12%w, 12%fm)
 124' GWOCM (52%g, 18%o, 10%w, 20%fm)
 908' Total Fluid
 IFF 32-189 ISIP 1017
 FFP 220-375 FSIP 989
 IHP 2077 FHP 2072
 Temp: 135 deg F
 Chls: 11,500 ppm

DST #6 4350-4364
 30"-45"-45"-60"
 Blow built to 6 inches on IFF
 Blow built to 8 inches on FFP
 REC: 90' GIP
 62' CO (34 deg grav corr API)
 31' GOWCM (8%g, 38%o, 15%w, 39%fm)
 93' Total Fluid
 IFF 7-19 ISIP 1152
 FFP 38-57 FSIP 1141
 IHP 2094 FHP 2094
 Temp: 134 deg F
 Chls: 5,000 ppm



Dolo, AA bec tn, dns, calc

Dolo AA

LS, tn, dns, v f-xin, dolo in prt, sct foss frags, pr vis por, NS

DRILLING TIME IN MINUTES

PER FOOT

Remarks

Sample Descriptions

Depth

IPANY L.D. Drilling, Inc.

ELEVATION 2700

KB

SE #1-31 Darrel

LOCATION 1650' FSL & 330' FWL

Sec 31

TWP 14S RGE 29W

COUNTY Gove

STATE Kansas

Diamond Testing

General information Report

General Information

Company Name L.D. DRILLING, INC.

Contact	L.D. DAVIS	Job Number	
Well Name	DARREL #1-31	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #1 LKC 'C' 3,762' - 3,785'	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC 31-14S-29W GOVE COUNTY, KS	Report Date	2010/07/08
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	CONVENTIONAL		
Formation	DST #1 LKC 'C' 3,762' - 3,785'		
Well Fluid Type	01 Oil	Start Test Time	12:45:00
		Final Test Time	22:39:00
Start Test Date	2010/07/08		
Final Test Date	2010/07/08		
Gauge Name	1150		
Gauge Serial Number			

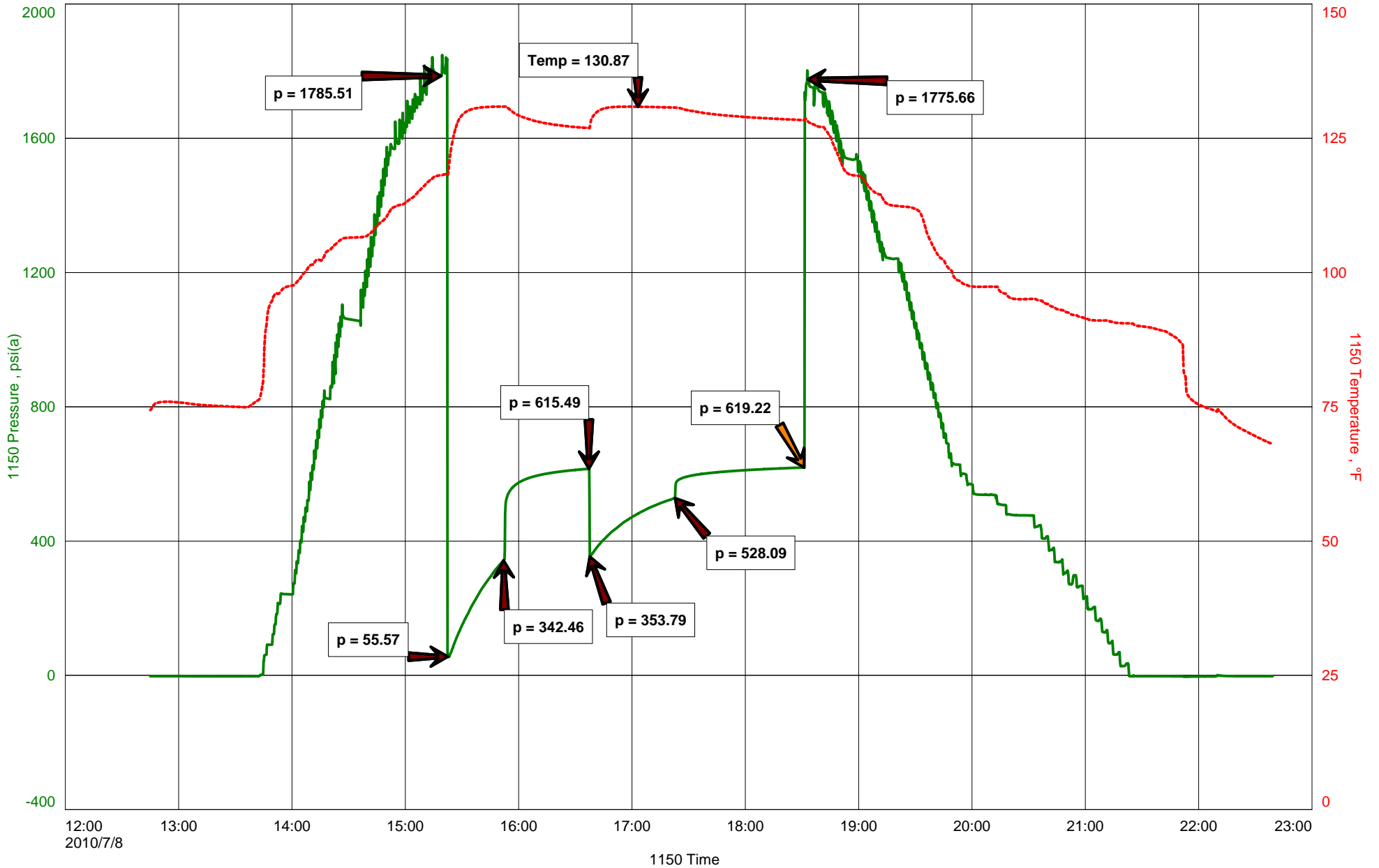
Test Results

RECOVERED: 400' GAS IN PIPE
118' CLEAN OIL 35 GRAVITY @ 60 deg
155' G&OCWM 6% GAS, 7% OIL, 38% WTR, 49% MUD
124' SLTOCMW 2% OIL, 71% WTR, 27% MUD
744' SW 100% WTR
1,141' TOTAL FLUID

TOOL SAMPLE: 100% SW - OIL SPECKS

CHLORIDES 56,000 Ppm
PH: 6.5
RW: .12 @ 64 deg

DARREL #1-31





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

DRILL -STEM TEST TICKET

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State KANSAS
Test Approved By _____ Diamond Representative ROGER D. FRIEDLY

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make BOWEN Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: _____ _____	Price Job
	Other Charges
	Insurance
	Total

Time Set Packer(s) _____ A.M. _____ P.M. Time Started Off Bottom _____ A.M. _____ P.M. Maximum Temperature _____
Initial Hydrostatic Pressure (A) _____ P.S.I.
Initial Flow Period Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period Minutes _____ (D) _____ P.S.I.
Final Flow Period Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure (H) _____ P.S.I.

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

Diamond Testing

General information Report

General Information

Company Name L.D. DRILLING, INC.

Contact	L.D. DAVIS	Job Number	
Well Name	DARREL #1-31	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #2 LKC 'D' 3,785' - 3,815'	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC 31-14S-29W GOVE COUNTY, KS	Report Date	2010/07/09
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	CONVENTIONAL		
Formation	DST #2 LKC 'D' 3,785' - 3,815'		
Well Fluid Type	01 Oil	Start Test Time	10:05:00
		Final Test Time	18:37:00
Start Test Date	2010/07/09		
Final Test Date	2010/07/09		
Gauge Name	1150		
Gauge Serial Number			

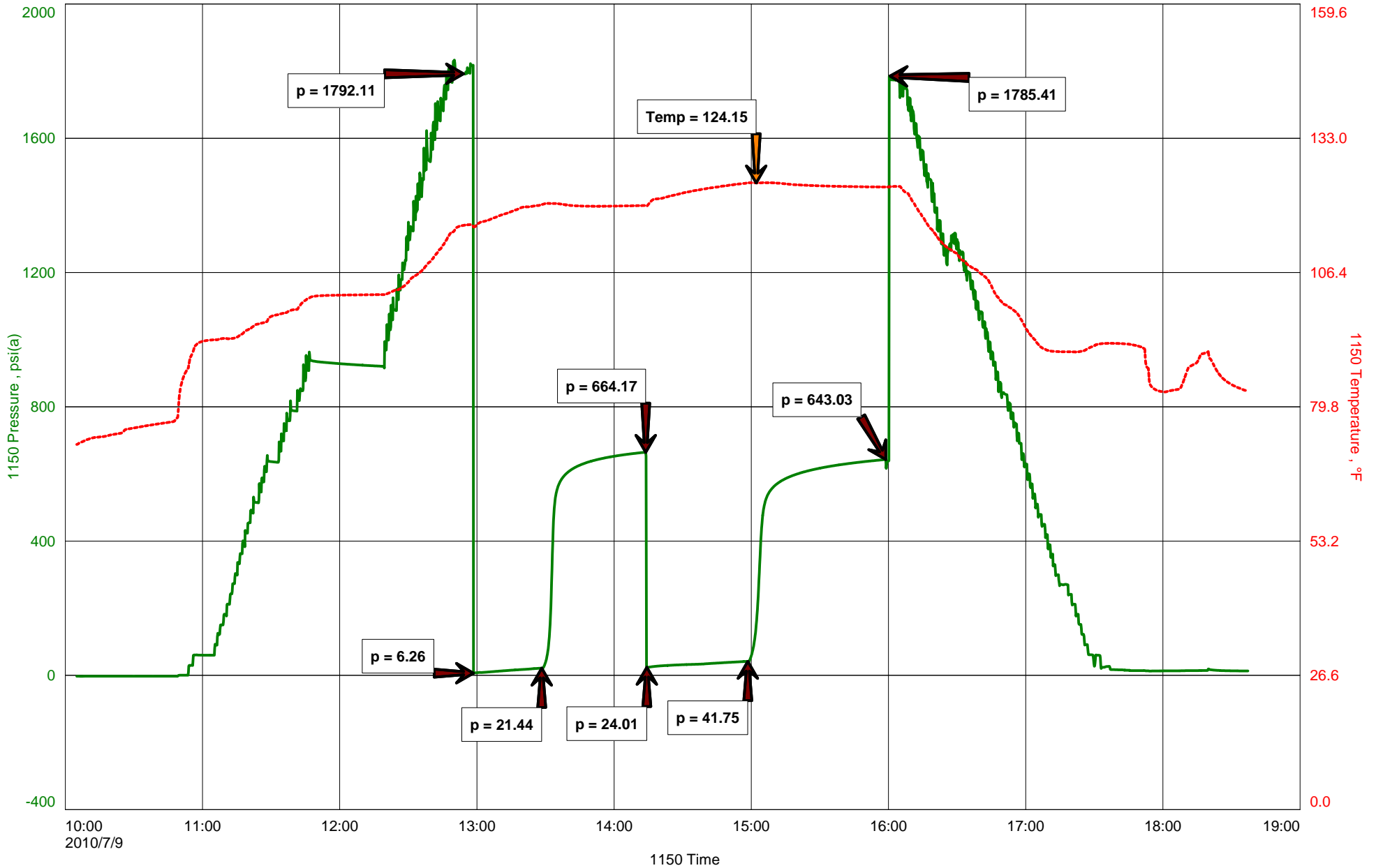
Test Results

RECOVERED: 5' CLEAN OIL 34.8 GRAVITY @ 60 deg
20' OCMW 2% OIL, 51% WTR, 47% MUD
62' MW 79% WTR, 21% MUD - SCUM OF OIL
87' TOTAL FLUID

TOOL SAMPLE: 2% OIL, 71% WTR, 27% MUD

CHLORIDES: 45,000 Ppm
PH: 7.0
RW: .17 @ 74 deg

DARREL #1-31





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

DRILL -STEM TEST TICKET

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State KANSAS
Test Approved By _____ Diamond Representative ROGER D. FRIEDLY

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make BOWEN Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: _____ _____	Price Job
	Other Charges
	Insurance
	Total

Time Set Packer(s) _____ A.M. _____ P.M. Time Started Off Bottom _____ A.M. _____ P.M. Maximum Temperature _____
Initial Hydrostatic Pressure (A) _____ P.S.I.
Initial Flow Period Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period Minutes _____ (D) _____ P.S.I.
Final Flow Period Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure (H) _____ P.S.I.

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Diamond Testing

General information Report

General Information

Company Name L.D. DRILLING, INC.

Contact	L.D. DAVIS	Job Number	
Well Name	DARREL #1-31	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #3 LKC 'HIJ' 3,906' - 3,990'	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC 31-14S-29W GOVE COUNTY, KS	Report Date	2010/07/10
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

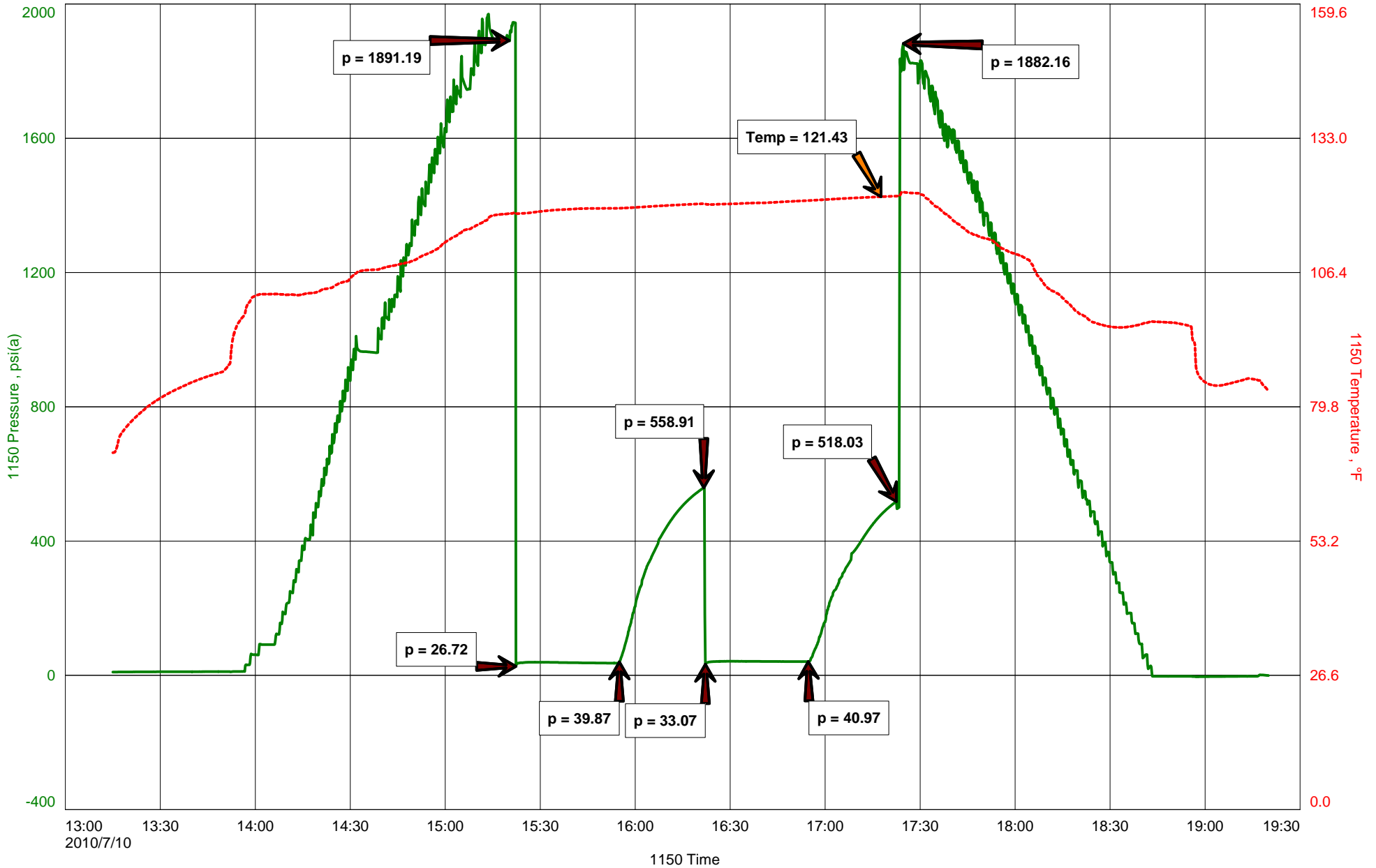
Test Type	CONVENTIONAL		
Formation	DST #3 LKC 'HIJ' 3,906' - 3,990'		
Well Fluid Type	01 Oil	Start Test Time	13:15:00
		Final Test Time	19:20:00
Start Test Date	2010/07/10		
Final Test Date	2010/07/10		
Gauge Name	1150		
Gauge Serial Number			

Test Results

RECOVERED: 10' DM 100% MUD

TOOL SAMPLE: 100% DM WITH GOOD OIL SPOTS

DARREL #1-31





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

DRILL -STEM TEST TICKET

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State KANSAS
Test Approved By _____ Diamond Representative ROGER D. FRIEDLY

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make BOWEN Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks: _____

	Price Job
	Other Charges
	Insurance
	Total

Time Set Packer(s) _____ A.M. _____ P.M. Time Started Off Bottom _____ A.M. _____ P.M. Maximum Temperature _____
Initial Hydrostatic Pressure (A) _____ P.S.I.
Initial Flow Period Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period Minutes _____ (D) _____ P.S.I.
Final Flow Period Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure (H) _____ P.S.I.

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Diamond Testing

General information Report

General Information

Company Name L.D. DRILLING, INC.

Contact	L.D. DAVIS	Job Number	
Well Name	DARREL #1-31	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #4 PAWNEE / MYRICK 4,170' - 4,234'	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC 31-14S-29W GOVE COUNTY, KS	Report Date	2010/07/12
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

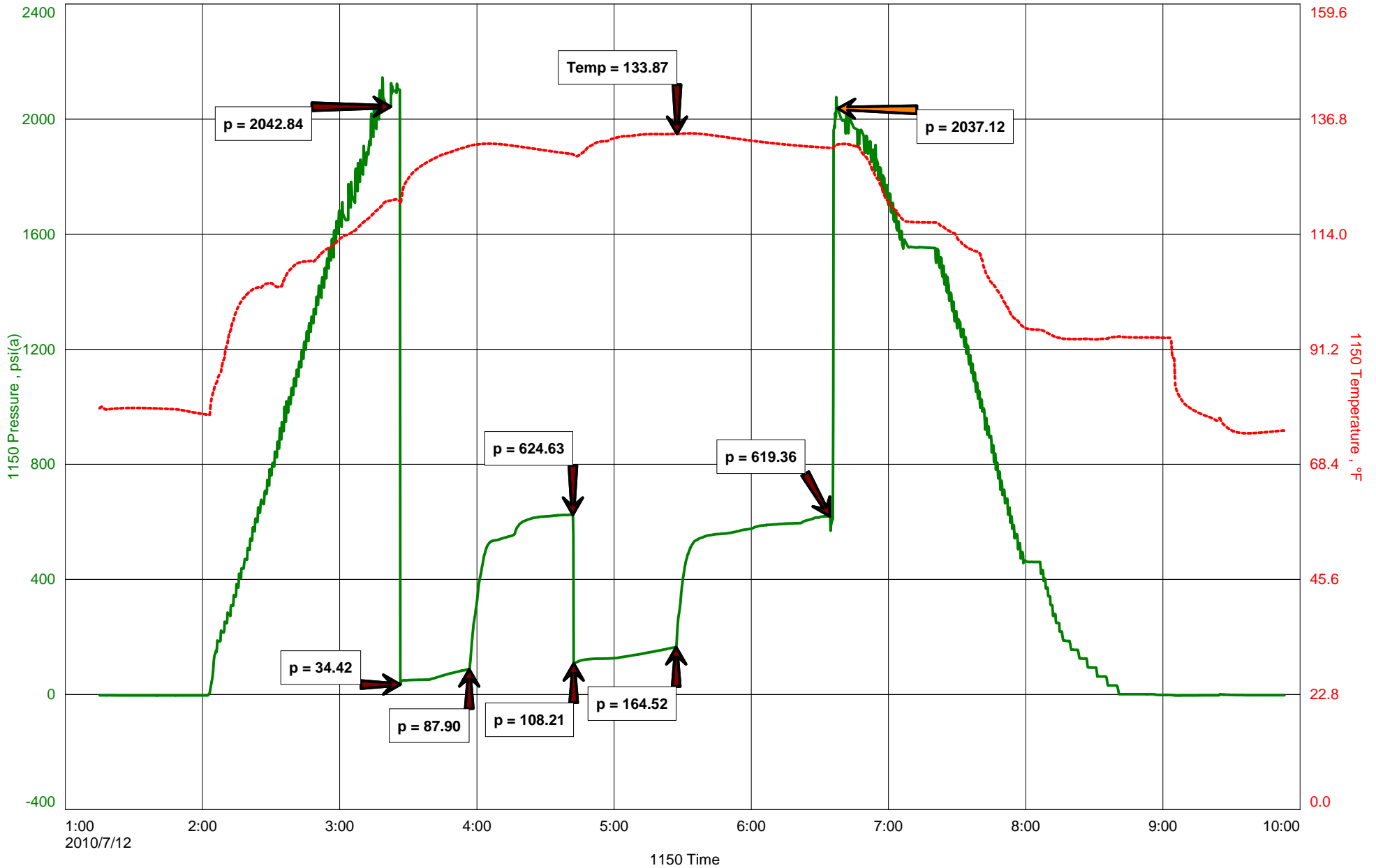
Test Type	CONVENTIONAL		
Formation	DST #4 PAWNEE / MYRICK 4,170' - 4,234'		
Well Fluid Type	01 Oil	Start Test Time	01:15:00
		Final Test Time	09:53:00
Start Test Date	2010/07/12		
Final Test Date	2020/07/12		
Gauge Name	1150		
Gauge Serial Number			

Test Results

RECOVERED: 2,200' GAS IN PIPE
138' CLEAN OIL 36.6 GRAVITY @ 60 deg
155' GCMO 4% GAS, 80% OIL, 16% MUD
124' GCMO 22% GAS, 58% OIL, 20% MUD
417' TOTAL FLUID

TOOL SAMPLE: 10% GAS, 56% OIL, 34% MUD

DARREL #1-31





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

DRILL -STEM TEST TICKET

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State KANSAS
Test Approved By _____ Diamond Representative ROGER D. FRIEDLY

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make BOWEN Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks: _____

	Price Job
	Other Charges
	Insurance
	Total

Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure (A) _____ P.S.I.
Initial Flow Period Minutes (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period Minutes (D) _____ P.S.I.
Final Flow Period Minutes (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period Minutes (G) _____ P.S.I.
Final Hydrostatic Pressure (H) _____ P.S.I.

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Diamond Testing

General information Report

General Information

Company Name L.D. DRILLING, INC.

Contact	L.D. DAVIS	Job Number	
Well Name	DARREL #1-31	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #5 FT. SCOTT-JOHNSON 4,230' - 4,340'	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC 31-14S-29W GOVE COUNTY, KS	Report Date	2010/07/13
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	CONVENTIONAL		
Formation	DST #5 FT. SCOTT-JOHNSON 4,230' - 4,340'		
Well Fluid Type	01 Oil	Start Test Time	08:40:00
		Final Test Time	17:23:00
Start Test Date	2010/07/13		
Final Test Date	2010/07/13		
Gauge Name	1150		
Gauge Serial Number			

Test Results

RECOVERED: 770' GAS IN PIPE

235' CLEAN OIL 34 GRAVITY @ 60 deg
208' HGCMO 10% GAS, 70% OIL, 20% MUD
155' M&WCGO 20%, GAS, 51% OIL, 17% WTR, 12% MUD
186' M&WCGO 24%, GAS, 52% OIL, 12% WTR, 12% MUD
124' G&WCOM 52% GAS, 18% OIL, 10% WTR, 20% MUD
908' TOTAL FLUID

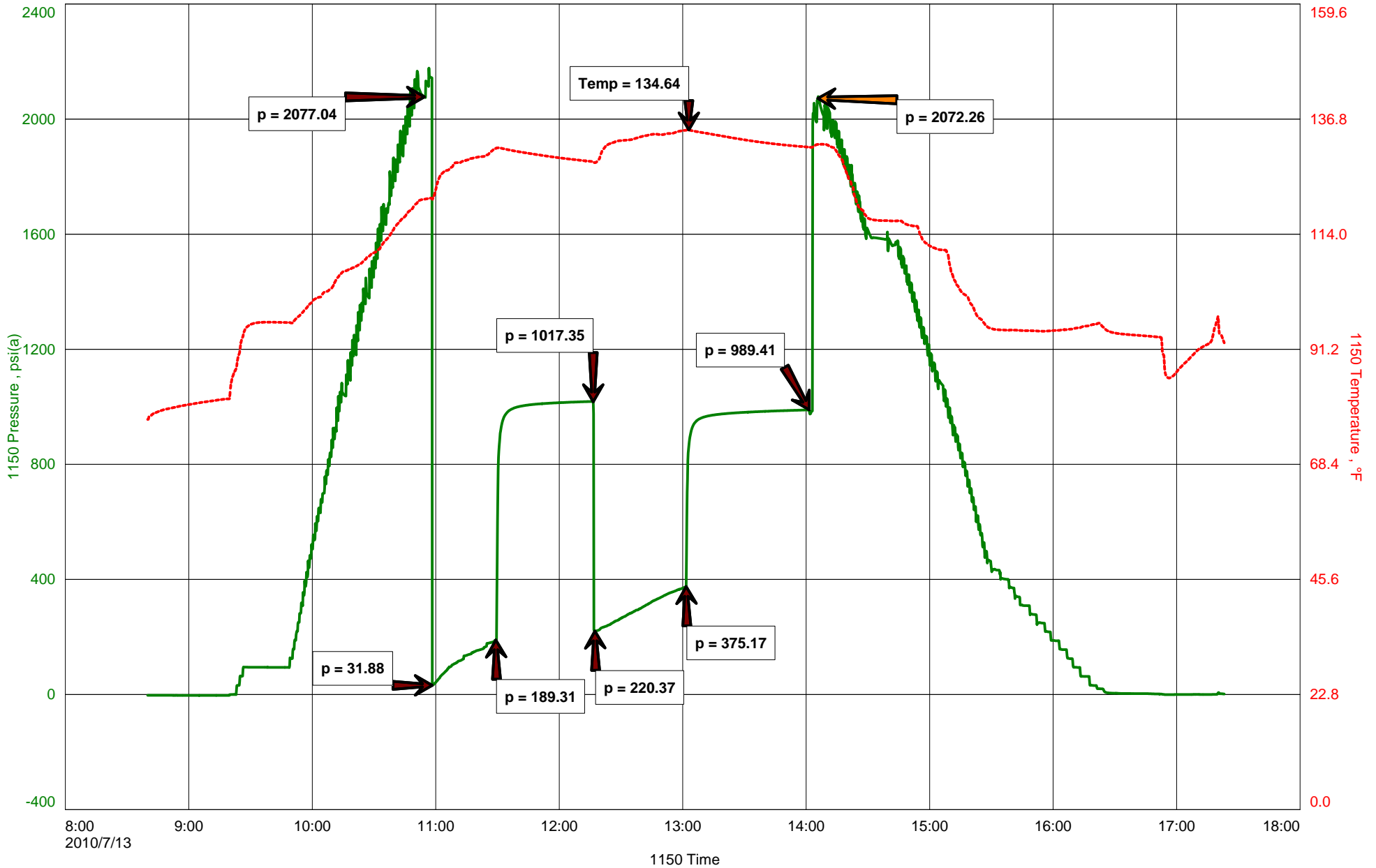
TOOL SAMPLE: 4% GAS, 59% OIL, 15% WTR, 22% MUD

CHLORIDES; 11,500 Ppm

PH: 7.0

RW: .33 @ 85 deg

DARREL #1-31





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

DRILL -STEM TEST TICKET

Company _____ Lease & Well No. _____
 Contractor _____ Charge to _____
 Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
 Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State KANSAS
 Test Approved By _____ Diamond Representative ROGER D. FRIEDLY

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
 Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
 Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
 Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
 Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
 Jars: Make BOWEN Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
 Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
 2nd Open: _____

Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Remarks: _____

	Price Job
	Other Charges
	Insurance
	Total

Time Set Packer(s) _____ A.M. _____ P.M. Time Started Off Bottom _____ A.M. _____ P.M. Maximum Temperature _____
 Initial Hydrostatic Pressure (A) _____ P.S.I.
 Initial Flow Period Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
 Initial Closed In Period Minutes _____ (D) _____ P.S.I.
 Final Flow Period Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
 Final Closed In Period Minutes _____ (G) _____ P.S.I.
 Final Hydrostatic Pressure (H) _____ P.S.I.

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

Diamond Testing

General information Report

General Information

Company Name L.D. DRILLING, INC.

Contact	L.D. DAVIS	Job Number	
Well Name	DARREL #1-31	Representative	ROGER D, FRIEDLY
Unique Well ID	DST #6 MISSISSIPPI 4,350' - 4,364'	Well Operator	L.D. DRILLNG, INC.
Surface Location	SEC 31-14S-29W GOVE COUNTY, KS	Report Date	2010/07/14
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	CONVENTIONAL		
Formation	DST #6 MISSISSIPPI 4,350' - 4,364'		
Well Fluid Type	01 Oil	Start Test Time	01:10:00
		Final Test Time	09:04:00
Start Test Date	2010/07/14		
Final Test Date	2010/07/14		
Gauge Name	1150		
Gauge Serial Number			

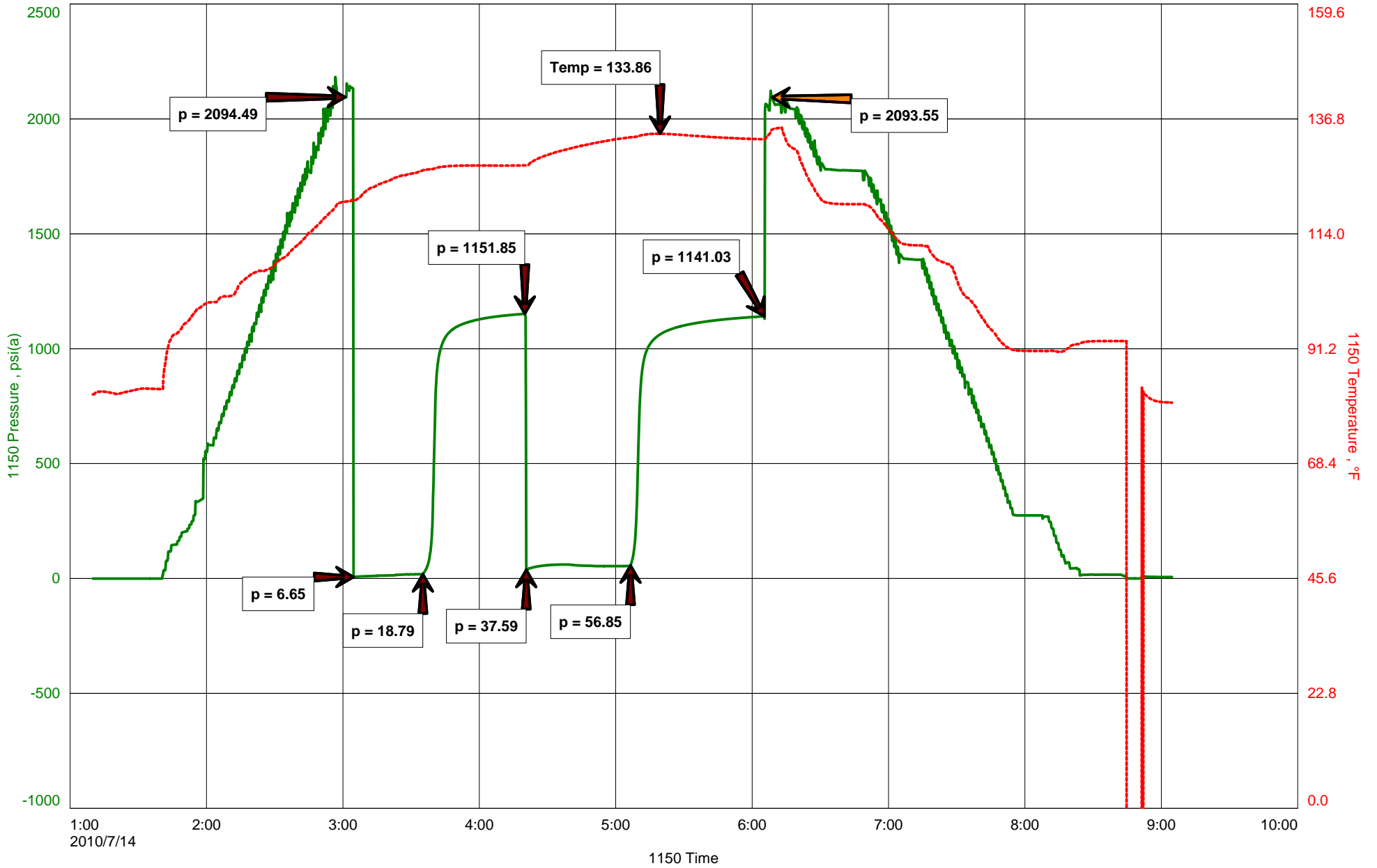
Test Results

RECOVERED: 90' GAS IN PIPE
62' CLEAN OIL 34.4 GRAVITY @ 60 deg
31' G&OCWM 8% GAS, 38% OIL, 15% WTR, 39% MUD
93' TOTAL

TOOL SAMPLE: 12% GAS, 41% OIL, 17% WTR, 30% MUD

CHLORIDES: 5,000 Ppm
PH 7.0
RW .64 @ 84 deg

DARREL #1-31





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

DRILL -STEM TEST TICKET

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State KANSAS
Test Approved By _____ Diamond Representative ROGER D. FRIEDLY

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make BOWEN Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks: _____

Price Job
Other Charges
Insurance
Total

Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure (A) _____ P.S.I.
Initial Flow Period Minutes (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period Minutes (D) _____ P.S.I.
Final Flow Period Minutes (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period Minutes (G) _____ P.S.I.
Final Hydrostatic Pressure (H) _____ 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.

July 30, 2010

L. D. Drilling, Inc.
7 SW 26th Avenue
Great Bend, Kansas 67530

**RE: Exception to Alternate II Cementing Requirements
Darrel # 1-31
SWNWSW section 31-14-29W
Gove County, Kansas
API #15-063-21841-00-00**

Dear Ms. DeWerff ,

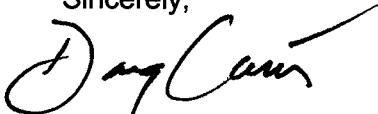
The Kansas Corporation Commission (KCC) has received your request, dated July 20, 2010, through District 4 Supervisor for an exception to Alternate II cementing requirements for the above referenced well. From this request, the KCC understands that subject well was not cemented to surface as required by the Alternate II option. Referenced well has 262 feet of surface casing set with 200 sacks of premium cement circulated to surface. A Sonic Cement Bond log indicates cement was circulated to 450 feet from a DV tool at 2139 feet with 400 sacks of cement. The bottom of fresh water is reported at 150 feet with the bottom of usable water listed at 1150 feet. The top of cement is in the Fort Hays limestone with the Smoky Hill chalk above with no water bearing zones.

After review of this matter by technical staff it was determined that:

1. Surface casing was set deeper than fresh water source in the area with cement coverage to protect the shallow aquifers.
2. All fresh and usable water sources are adequately protected with cement coverage and any remaining intervals not covered by cement contain no fresh or usable water zones.
3. The Dakota appears to be adequately isolated with cement and any remaining intervals not cemented contain no fresh or usable water nor present any threat of contamination from the shales in the intervals.

Based on this information that the fresh and usable water zones are adequately protected with cement coverage and that any remaining intervals not cemented behind the production casing contain no threat of contamination from the shales in the intervals. Therefore, an exception is granted for the Alternate II cementing requirement.

Sincerely,



Doug Louis
Director

cc: Case Morris – District 4
Steve Bond – Production Supervisor