



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
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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: _____



1154080

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	LEEBRICK FARMS, INC. 1-23
Doc ID	1154080

Tops

Name	Top	Datum
ANHYDRITE	2813	+303
BASE ANHYDRITE	2852	+265
STOTLER	3704	-587
HEEBNER	3990	-873
LANSING	4034	-917
BASE KANSAS CITY	4273	-1156
PAWNEE	4393	-1276
FORT SCOTT	4430	-1313
CHEROKEE	4444	-1327



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.
Liberal, Kansas 67905
Phone 620-624-2277

FIELD SERVICE TICKET
1717 04138 A

DATE _____ TICKET NO. _____

DATE OF JOB 4-19-13 DISTRICT 1717		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 Leebrick farms, inc WELL NO. 1-23						
ADDRESS		COUNTY Rawlins STATE KS						
CITY STATE		SERVICE CREW Ruben - Carlos I - Victor						
AUTHORIZED BY Tyce Davis TRB		JOB TYPE: 2-42 Surface						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED 4-19-13 DATE	AM PM	TIME
				78940	7.5	ARRIVED AT JOB	AM PM	18 00
				38750	3	START OPERATION	AM PM	23 00
				19842	4.5	FINISH OPERATION	AM PM	05 05
				38117	3	RELEASED	AM PM	05 0
				19883	4.5	MILES FROM STATION TO WELL	AM PM	1 30

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: Ruhl W. De
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CL103	60/40 Poz	SK	250		3000 00
CC102	Celloflake	Lb	63		233 10
CC109	Calcium Chloride	Lb	645		677 25
E100	Unit mileage Charge Pickup	Mi	190		807 50
E101	Heavy Equipment Mileage	Mi	380		2660 00
E113	Proppant and Bulk Delivery charges	TM	2043		3268 00
CE200	Depth Charge 0-500'	Yds	1		1000 00
CE250	Blending and Mixing service charge	SK	250		350 00
5003	Service Supervisor first 8 hrs Onloc.	ea	1		175 00

SUB TOTAL 9,128.14

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

CHEMICAL / ACID DATA:			

SERVICE REPRESENTATIVE Rubens Martinez

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

FIELD SERVICE ORDER NO.



BASICSM
 ENERGY SERVICES
 Liberal, Kansas

Cement Report

Customer	LD Drilling, Inc.		Lease No.	Date 4-19-13	
Lease	Lebrick farms, Inc.		Well #	Service Receipt	
Casing	Depth	County	Rawlins	State KS	
Job Type	Surface	Formation	Legal Description 23-4-34		
Pipe Data			Perforating Data		Cement Data
Casing size	8 5/8 24#	Tubing Size	Shots/Ft		Lead 50 SKS 60/40 P02 @ 12.0 PPG Tail in 200 SKS 60/40 P02 @ 14.8 PPG
Depth	346'	Depth	From	To	
Volume	19 bbl	Volume	From	To	
Max Press		Max Press	From	To	
Well Connection		Annulus Vol.	From	To	
Plug Depth		Packer Depth	From	To	
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2300					On Location Rig up
2400					Safety Meeting
0005	2000				Pressure Test
0008	100		20	4	Pump 50 SKS of 60/40 P02 @ 12 PPG
0023	100		43	4	Pump 200 SKS of 60/40 P02 @ 14.8 PPG
0038	100		19	4	Start Displacement
0050	0		0	0	Shut Down
Service Units					
Driver Names					

Rebel Wilson
 Customer Representative

Jerry Bennett
 Station Manager

Paul Hart
 Cementer



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 07342 A

DATE _____ TICKET NO. _____

DATE OF JOB: 4/28/13	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: LID DRILLING, INC.		LEASE: LEE BRACK FARMS, INC. WELL NO. 1-28							
ADDRESS:		COUNTY: RAWLINS STATE: KS.							
CITY:		SERVICE CREW: KG, CM, MM, DARE							
STATE:		JOB TYPE: CNW - LONG STRINGS							
AUTHORIZED BY:									
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
19907		19959	7/4				4-28	AM	1400
		19918	7/4					AM	1130
37216								AM	1330
								AM	1415
19963	7/4							AM	1500
19905	7/4							AM	
						MILES FROM STATION TO WELL	250		

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
CP100	COMMON CEMENT	SK	150		2400.00
CP103	60/40 POT	SK	30		360.00
CC105	DEFAMER	lb.	36		144.00
CC111	SHRT	lb.	1216		608.00
CC112	CFR	lb.	106		636.00
CC113	COYBUM	lb.	705		528.75
CC129	GELSONITE	lb.	750		502.50
CF103	5/12 TOP RUBBER PLUG	EA	1		105.00
CF251	5/11 GUIDE SHOE	EA	1		250.00
CF451	5/11 WFLU INSULT FLOAT	EA	1		215.00
CF1651	5/11 TURBOCELL	EA	6		660.00
CC159	FLOW-SEAL 11	gal	330		1980.00
E100	PUMP MILE.	mile	190		807.50
E101	TRUCK MILE.	mile	380		2660.00
E113	BULK DELIVERY	TM	16/5		2584.00
CE205	DEPTH CHANGE 4001-5000	EA	1		2520.00
CE240	BLENDING CHARLIE	SK	180		252.00
CE504	PLUG CONTAINER	EA	1		250.00
5003	SERVISE SUPERVISOR	EA	1		175.00

SUB TOTAL
ALS 13,228.31

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE: K. GORDLEY
THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

Customer	LD DRILLING	Lease No.		Date	4-28-13
Lease	LEEBROCK FARM INC.	Well #	#1-23		
Field Order #	1392	Station	PRATT, KS	Casing	3 1/2
				Depth	4545
Type Job	CNW-LOWCSTRONG	Formation	TD-4555	County	BITULINS
				State	KS
				Legal Description	23-434

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	3 1/2	Tubing Size		Shots/Ft		Rate	PRESS	ISIP
Depth	4545	Depth		From	To	Max		5 Min.
Volume		Volume		From	To	Min		10 Min.
Max Press		Max Press		From	To	Avg		15 Min.
Well Connection		Annulus Vol.		From	To	HHP Used		Annulus Pressure
Plug Depth	2333	Packer Depth		From	To	Gas Volume		Total Load

Customer Representative	KICK	Station Manager	SCOTT	Treater	GORDUEY
Service Units	19907 37216		19903-19905		19959-19918
Driver Names	KC	MESSER	WATTA		DALE

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1130					DN LOCATION 15.5'
					RUN 102 JTS 5 1/2" CSG - 4541'
					GRUDE SHO. INSERT FRONT ON
					12' SHO. JT. CENT. - 1-3-5-7-9-11
1245					THE BOTTOM, DROP BALL, CIRCULAR
					SET 5 1/2" AT 4545'
1335	400		5	10	PUMP 5 bbl. H ₂ O.
	460		7	6	PUMP 7 bbl. FLOW-SEAL II
	460		5	6	PUMP 5 bbl. H ₂ O
	300		36	6	PUMP 150 SK COMMON CEMENT
					18% SALT 5% GYPSUM 5 #/SK
					GILSONITE, 3/4% CFB 1/4% DEFORMER
					WASH TUB PUMP, LINE CLEAN
					DROP PLUG
	0		0	7	START DISP.
	300		80	7	LEFT CEMENT
	700		100	3	SLOW RATE
1415	1500		108	2	PLUG DOWN - HOLD
					PLUG RAT HOLE - 30SK 60/40 PZ
1500					JOB COMPLETE - THANKS - KEVIN



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

TIME ON: _____
TIME OFF: _____

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 _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 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 STERLING 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 _____	Price Job Other Charges Insurance Total
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	

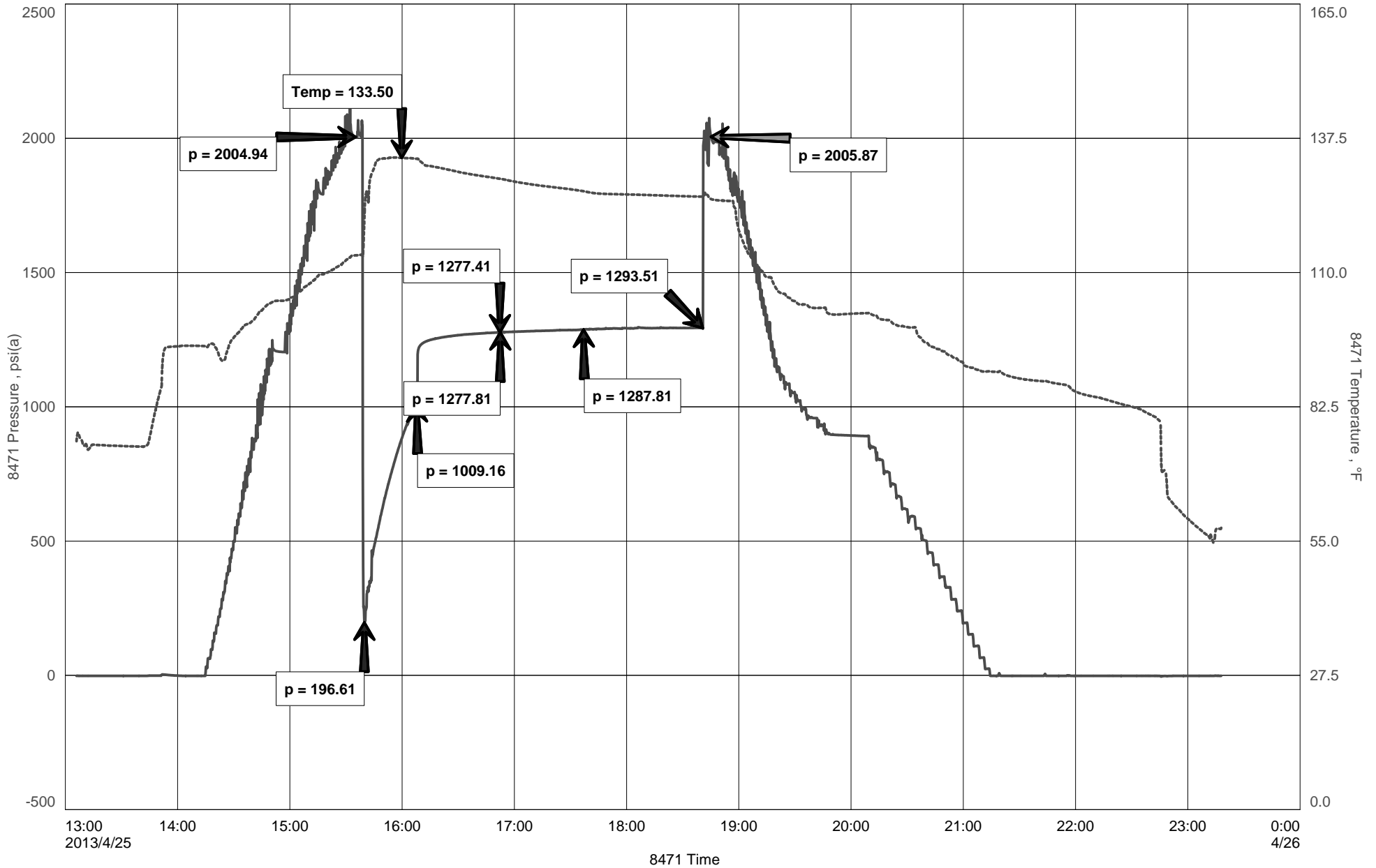
Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period.....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

LD Drilling Inc.
DST #1 Lans. Drum 4178-4225'
Start Test Date: 2013/04/25
Final Test Date: 2013/04/25

Leebrick Farms #1-23
Formation: DST #1 Lans. Drum 4178-4225'
Pool: Wildcat
Job Number: S0318

Leebrick Farms #1-23



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc.

Contact	LD Davis	Job Number	S0318
Well Name	Leebrick Farms #1-23	Representative	Jacob McCallie
Unique Well ID	DST #1 Lans. Drum 4178-4225'	Well Operator	LD Drilling Inc.
Surface Location	SEC 23-4S-34W Rawlings County	Report Date	2013/04/25
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test	Start Test Time	13:06:00
Formation	DST #1 Lans. Drum 4178-4225'	Final Test Time	23:20:00
Well Fluid Type	06 Water		
Start Test Date	2013/04/25		
Final Test Date	2013/04/25		
Gauge Name	8471		
Gauge Serial Number			

Test Results

RECOVERED:

63'	GIP	
892'	OCHWCM	27% O 35% W 38%M
1134'	SLMCOCM	24% O 71% W 5% M
189'	VSLOMCW	1% O 98% W 1% M
2215'	TOTAL FLUID	

PH: 7

RW: .23 @ 58 degrees F

Chlorides: 35,000 ppm

TOOL SAMPLE:

34% O 33% W 33% M



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

TIME ON: _____
TIME OFF: _____

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 _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 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 STERLING 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 _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

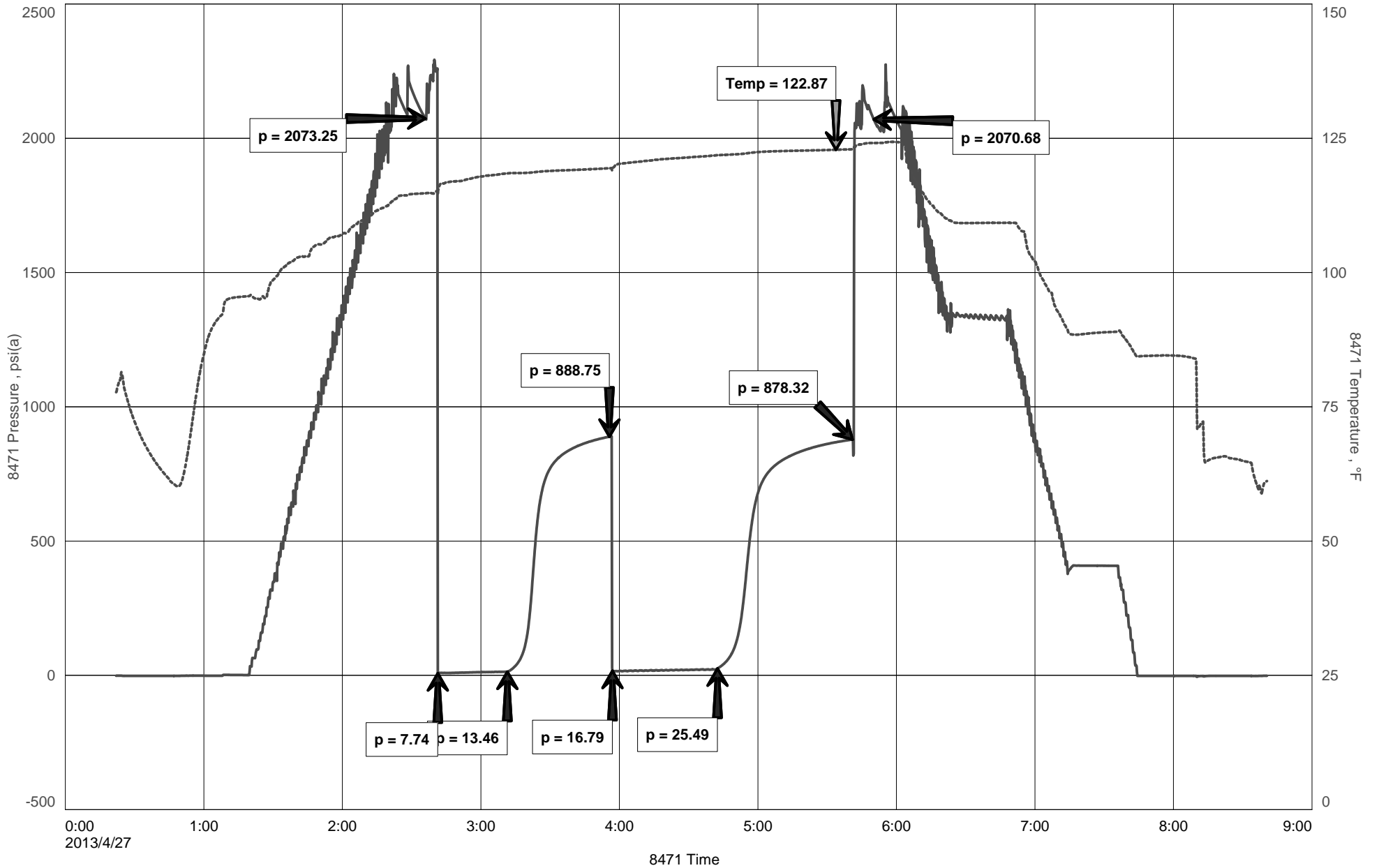
Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period.....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

L.D. DRILLING INC.
DST #2 FT. SCOTT 4413 - 4445
Start Test Date: 2013/04/27
Final Test Date: 2013/04/27

LEEBRICK FARMS # 1-23
Formation: DST #2 FT. SCOTT 4413 - 4445
Pool: INFIELD
Job Number: SO319

LEEBRICK FARMS # 1-23



Diamond Testing

General information Report

General Information

Company Name L.D. DRILLING INC.

Contact	L.D. DAVIS	Job Number	SO319
Well Name	LEEBRICK FARMS # 1-23	Representative	JACOB McCALLIE
Unique Well ID	DST #2 FT. SCOTT 4413 - 4445	Well Operator	L.D. DRILLING INC.
Surface Location	SEC. 23 - 4S - 34W RAWLINS COUNTY	Report Date	2013/04/27
Well License Number		Prepared By	ROBERT HAMEL
Field	SAPPA CREEK		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #2 FT. SCOTT 4413 - 4445		
Well Fluid Type	01 Oil	Start Test Time	00:22:00
		Final Test Time	08:42:00
Start Test Date	2013/04/27		
Final Test Date	2013/04/27		
Gauge Name	8471		
Gauge Serial Number			

Test Results

RECOVERED:

15'	CO	100% CO
25'	OM	50% O 50% M
40'	TOTAL FLUID	

GRAVITY: 34 @ 60 DEGREES F

TOOL SAMPLE:

43% O 3% W 54% M

KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 * WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY L. D. DRILLING, INC.

LEASE *1-23 LEEBRICK FARMS, INC.

FIELD SAPPA CREEK

LOCATION 660' FSL & 460' FEL

SEC 23 TWP 4s RGE 34w

COUNTY RAWLINS STATE KANSAS

CONTRACTOR L. D. DRILLING, INC.

SPUD 4-19-13 COMP 4-28-13

RTD 4555 LTD 4554

MUD UP 3514 TYPE MUD CHEMICAL

ELEVATIONS

KB 3117

DF _____

GL 3112

Measurements Are All From 3117 KB

CASING

SURFACE 8 3/8" @ 346'

PRODUCTION 5 1/2" @

ELECTRICAL SURVEYS

DUAL IND, DENS-N., Micro

SAMPLES SAVED FROM _____ 3600 TO 4555

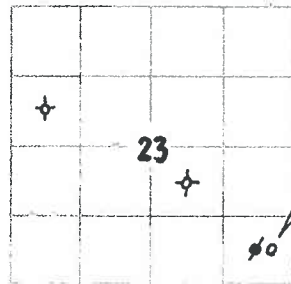
DRILLING TIME KEPT FROM _____ 3500 TO 4555

SAMPLES EXAMINED FROM _____ 3600 TO 4555

GEOLOGICAL SUPERVISION FROM _____ 3700 TO 4555

GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	2813 + 304	2814 + 303
B/ANH.	2852 + 265	2853 + 264
STOTLER	3704 - 587	3705 - 588
HEEBNER	3990 - 873	3986 - 869
LANSING	4034 - 917	4034 - 917
B/KC	4273 - 1156	4274 - 1157
PAWNEE	4393 - 1276	4393 - 1276
FORT SCOTT	4430 - 1313	4431 - 1314
CHEROKEE	4444 - 1327	4445 - 1328



REMARKS

4-19-13 5200
4-20 @ 347'
4-21 @ 1635'
4-22 @ 2722'
4-23 @ 3514'
4-24 @ 3805'
4-25 @ 4222'
4-26 @ 4285'
4-27 @ 4445'
4-28 @ 4555'

API: 15-153-20923

LEGEND

- Dolomite
- Chert
- Ool. Lime
- Limestone
- Carb sh
- Shale
- Sandstone
- Salt
- Anhydrite

SHOE01-06

DRILLING TIME IN MINUTES
PER FOOT

Rate of Penetration Increases

5" 10" 15" 20" 25"

DEPTH
2750

2800

SAMPLE DESCRIPTIONS

REMARKS

ANHYDRITE 2814 + 303

B/ANH 2853 + 264

2900

3500

3600

3700

Samples are tagged

sh. Blk Silty

sh. silty sh. clayey fine gr. sub. sand
w/ sh. & mica frag.

ls. Tan. sh. Foss.

ls. G. dk. Dm.

sh. Red

sh. Red. dk. Bl

ls. dk. Bl. Silty

sh. dk. Bl. Red

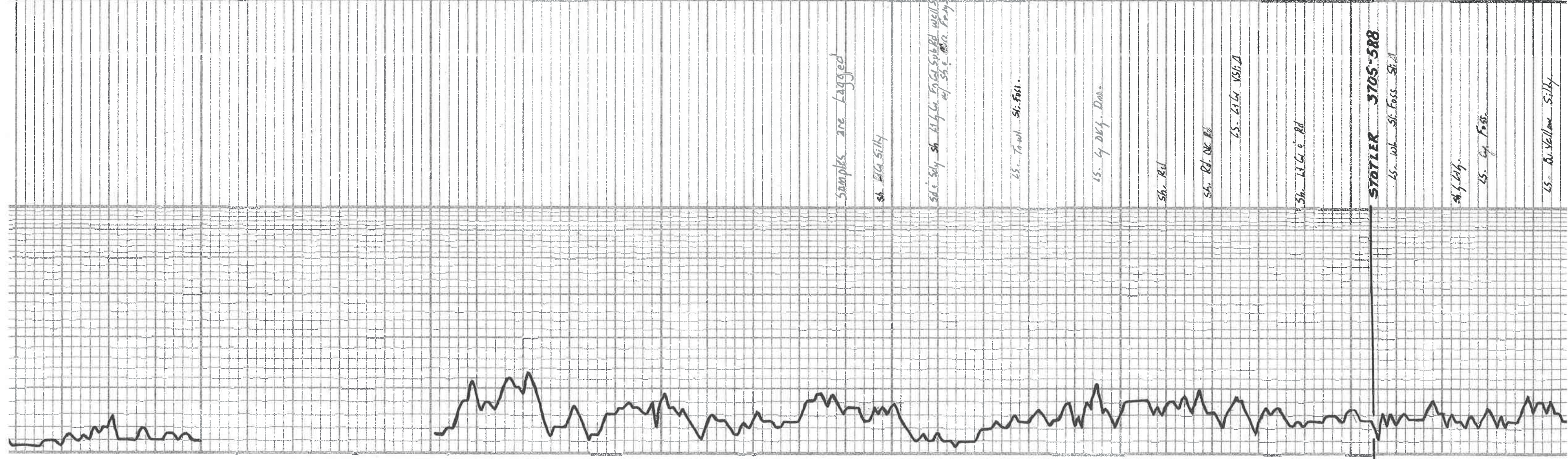
STÖTLER 3705-588

ls. tan. sh. Foss. Silty

sh. dk. Bl.

ls. G. Foss.

ls. dk. Yellow Silty



LS. Mt. G. Sl. Food.

Sh. Lt. Silky

LS. Mt. G. VSI: Foss. Sl. A

Sh. G. G.

LS. G. G. VSI: Foss.

Sh. Rd. Pink

LS. Mt. G. VSI: Foss. Sl. A. No Floor. No Floor. (3800)

VSI: 6.11
WTE: 8.8
WC: 8.0
QMC: 10.00

LS. Mt. G. VSI: Foss. Sl. A. No Floor. No Floor. (3900)

Sh. Rd. Purple

LS. Lt. VSI: Foss.

LS. Mt. G. VSI: Foss. Sl. A. No Floor. No Floor. (3900-20)

LS. Mt. Chilly VSI: Foss.

Sh. Lt. G.

Sh. Lt. G. Silky

Sh. Silky

LS. G. Sl. Foss.

Sh. Rd.

LS. Yellow Sl. G. Sl. A

Sh. Rd. Purple

LS. G. G. VSI: Foss. Chilly

Sh. Rd. Purple

LS. Lt. G. G. VSI: Foss.

HEEBNER 3986-869

Sh. Rd. Purple (4000)

LS. Lt. G. G. VSI: Foss.

Sh. Blue G.

Sh. Rd. Pink & Lt. G.

TORONTO 4001-904

LS. Mt. G. VSI: Foss. Sl. A. No Floor. No Floor. (4000)

Sh. Rd. Purple G.

LANSING 4034-917

LS. Mt. G. VSI: Foss. Sl. A. No Floor. No Floor. (4050)

LS. Mt. G. VSI: Foss. Sl. A. No Floor. No Floor. (4070)

Sh. Blue Purple G.

LS. Mt. G. VSI: Foss. Sl. A. No Floor. No Floor. (4000)

Sh. Lt. Blue G.

LS. Lt. G. VSI: Foss. Sl. A

3800

3900

4000

4100

ls. w/ Lly. Si. Foss. P. Var. DE BEUSS. No. 1154 (3940)

ls. Blk. g. ss. Foss. P. Var. DE BEUSS. No. 1154 (3940)

Sh. Blk. g.

ls. w/ sh. Foss. Si. Chally.

Sh. Lly. ls.

ls. w/ sh. Chally.

ls. w/ Lly. Si. Foss. P. Var. DE BEUSS. No. 1154 (3940)

Sh. Lly. ls. Foss. P. Var. DE BEUSS. No. 1154 (3940)

ls. Lly. w/ sh. Foss. Si. A.

ls. w/ sh. Foss. P. Var. DE BEUSS. No. 1154 (3940)

Sh. Lly. g.

Sh. Blk. g.

Sh. Rd.

Tool Sample: 39% oil. 33% w. 33% M

4200

Sh. Rd.

ls. w/ Lly. Si. Foss. P. Var. DE BEUSS. No. 1154 (3940)

Sh. Rd. g.

ls. w/ sh. Foss. Si. A.

ls. w/ sh. Foss. P. Var. DE BEUSS. No. 1154 (3940)

Sh. Rd. Lly. g.

ls. w/ sh. Foss. P. Var. DE BEUSS. No. 1154 (3940)

B/KC

9271-1157

Sh. Rd. Blk. g.

MARMATON

ls. Lly. w/ sh. Foss. Si. A. Si. Chally.

4300

Sh. Lly. Purple.

ALTIMONT

WT: 50

WT: 9.3

WT: 8.8

WT: 1000

ls. Lly. w/ sh. Foss. Si. Chally.

Sh. Lly. g.

ls. Lly. g.

Sh. Rd. Blk. g.

ls. w/ sh. Silty.

Sh. Lly. g.

Sh. g. Blk. g.

Sh. Lly. g.

PAWNEE 9393-1276

ls. Lly. Si. A.

ls. w/ sh. Foss. Si. Chally.

Lly. g. Si. Foss.

Sh. Blk. g.

DST (2) 4113-4495

15' OPEN: Blow built to 2 1/4"

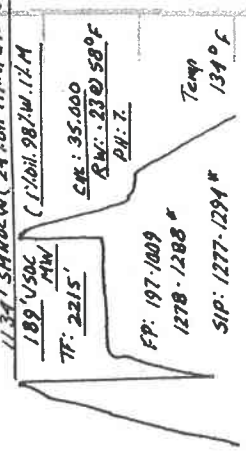
2' OPEN: " " 3"

30.15.45-60

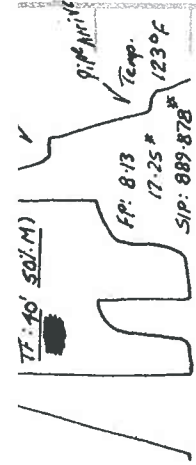
Rec. 20' G.I.P. (?)

15' CO. 31 G.I.P.

25' MO. 1.1.1.1



DST (2)



Temp. 1230 F
SIP: 889 878 #
FP: 8-13
17-25 #
9:14 AM 1/16

Sh. 416 - Yellow
FORT SCOTT 4431-1319
 Ls. - Tan. Ss. Foss. Foss. Few loose foss.
 9. Red Mat. B. Sat. Sh. G. L. S. P. V. S. S. S. G.
 Dull. Flaw. F. G. 10. Odor
 (4995, 30, 60)

CHEROKEE 4446-1328
 Sh. 416 - Yellow
 Ls. - Tan. Ss. Foss. Foss. Few loose foss.
 9. Red Mat. B. Sat. Sh. G. L. S. P. V. S. S. S. G.
 Dull. Flaw. F. G. 10. Odor
 (4995, 30, 60)

Ls. - Tan. Ss. Foss. Foss. Few loose foss.
 9. Red Mat. B. Sat. Sh. G. L. S. P. V. S. S. S. G.
 Dull. Flaw. F. G. 10. Odor
 (4995, 30, 60)

Ls. - Tan. Ss. Foss. Foss. Few loose foss.
 9. Red Mat. B. Sat. Sh. G. L. S. P. V. S. S. S. G.
 Dull. Flaw. F. G. 10. Odor
 (4995, 30, 60)

Ls. - Tan. Ss. Foss. Foss. Few loose foss.
 9. Red Mat. B. Sat. Sh. G. L. S. P. V. S. S. S. G.
 Dull. Flaw. F. G. 10. Odor
 (4995, 30, 60)

Ls. - Tan. Ss. Foss. Foss. Few loose foss.
 9. Red Mat. B. Sat. Sh. G. L. S. P. V. S. S. S. G.
 Dull. Flaw. F. G. 10. Odor
 (4995, 30, 60)

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 Dull. Flaw. F. G. 10. Odor
 (4995, 30, 60)

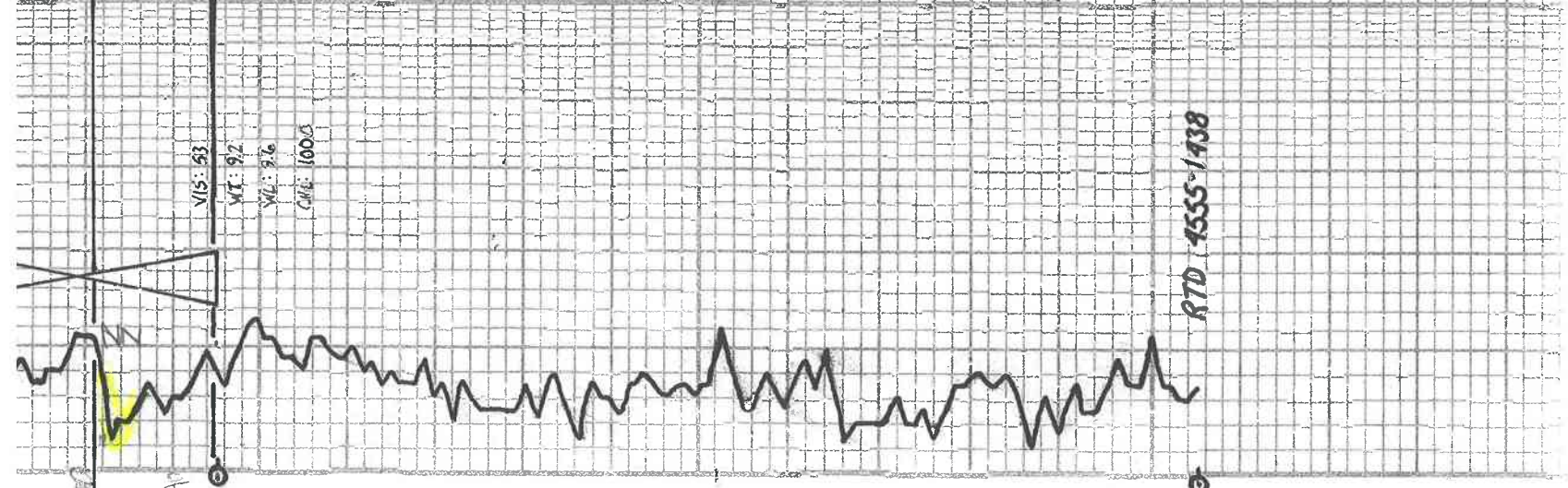
Ls. - Tan. Ss. Foss. Foss. Few loose foss.
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 (4995, 30, 60)

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 Dull. Flaw. F. G. 10. Odor
 (4995, 30, 60)



4500

RTD 4555-1438

