



KANSAS CORPORATION COMMISSION 1091616
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:
Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

<u>06/22/2012</u>	<u>06/29/2012</u>	<u>07/14/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-185-23758-00-00

Spot Description: _____
SW NE SW NE Sec. 27 Twp. 21 S. R. 12 East West
1800 Feet from North / South Line of Section
1950 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW

County: Stafford

Lease Name: SIEFKES Well #: 6-27

Field Name: MAX NORTH

Producing Formation: ARBUCKLE

Elevation: Ground: 1840 Kelly Bushing: 1844

Total Depth: 3725 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 325 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: 10000 ppm Fluid volume: 960 bbls

Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite: _____

Operator Name: L. D. DRILLING, INC.

Lease Name: DAVIS RANCH OWWD License #: 6039

Quarter NW Sec. 14 Twp. 21 S. R. 12 East West

County: STAFFORD Permit #: D30736

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: Deanna Garbo Date: 08/24/2012



1091616

Operator Name: L. D. Drilling, Inc. Lease Name: SIEFKES Well #: 6-27
 Sec. 27 Twp. 21 S. R. 12 East West County: Stafford

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: DUAL COMPENSATED POROSITY LOG DUAL INDUCTION LOG MICRORESISTIVITY LOG	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Attached Attached Attached
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CASING RECORD <input checked="" 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
Attached	Attached	Attached	Attached	Attached	Attached	Attached	Attached

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 (Amount and Kind of Material Used)	Depth
4	3609 - 3613	1000 gal 28% NE FE Acid	
4	3632 - 3634		
4	3623 - 3627		

TUBING RECORD: Size: <u>2.875</u> Set At: <u>3684</u> Packer At: <u> </u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. <u>07/14/2012</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) <u> </u>
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 checked="" 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) <u> </u>	PRODUCTION INTERVAL: <u> </u> <u> </u>
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	SIEFKES 6-27
Doc ID	1091616

Tops

Tops		
ANHYDRITE	626	-1218
HEEBNER	3112	-1268
TORONTO	3130	-1286
DOUGLAS	3142	-1298
BROWN LIME	3246	-1402
LANSING	3256	-1412
BASE KANSAS CITY	3488	-1644
VIOLA	3516	-1672
SIMPSON SHALE	3557	-1713
ARBUCKLE	3605	-1761

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	SIEFKES 6-27
Doc ID	1091616

Casing

SURFACE	12.25	8.625	23	325	A-CONN BLEND	175	
SURFACE	12.25	8.625	23	325	COMMON	175	CC & CellFlake
PRODUC TION	7.875	5.5	14	3721	COMMON	150	
PRODUC TION	7.875	5.5	14	3721	60/40 POZMIX	65	



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET
1718 05931 A

DATE _____ TICKET NO. _____

DATE OF JOB <u>6-22-12</u> DISTRICT <u>Kansas</u>		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 <u>L.D. Drilling Inc</u>		LEASE <u>Siefkes # 6-27</u> WELL NO.:							
ADDRESS		COUNTY <u>Stafford 27-21-12</u> STATE <u>Ks.</u>							
CITY STATE		SERVICE CREW <u>Allen, Eric, Jossie</u>							
AUTHORIZED BY		JOB TYPE: <u>8 5/8" Surface</u> <u>CNW</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<u>28443 P.U.</u>	<u>1</u>						<u>6-22-12</u>	<u>8:00</u>	<u>1000</u>
<u>27463 P+</u>	<u>1</u>					ARRIVED AT JOB	<u>6-22-12</u>	<u>8:00</u>	<u>1145</u>
<u>19831-19862</u>	<u>1</u>					START OPERATION	<u>6-23-12</u>	<u>8:00</u>	<u>1230</u>
						FINISH OPERATION	<u>6-23-12</u>	<u>8:00</u>	<u>130</u>
						RELEASED	<u>6-23-12</u>	<u>8:00</u>	<u>230</u>
						MILES FROM STATION TO WELL	<u>4.5 miles</u>		

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
CP101	A-con Blend Common	SK	17.5		<u>13150.00</u>
CP100C	Common	SK	17.5		<u>12800.00</u>
CC102	cell Flake	lb	88		<u>8325.60</u>
CC109	Calcium chloride	lb	825		<u>8866.25</u>
CF153	wooden Plug 8 5/8" "cmt"	EA	1		<u>160.00</u>
E100	unit mileage chg. P.U.	mi	45		<u>191.25</u>
E101	Heavy Equip mileage chg.	mi	90		<u>630.00</u>
E113	Bulk delivery chg.	TM	743		<u>1188.00</u>
CE200	Depth Chg. D=1500'	4-hr	1		<u>1000.00</u>
CF240	Blending & mixing Service chg.	SK	350		<u>490.00</u>
CE504	Plug container utilization chg.	Job	1		<u>250.00</u>
5003	Service Supervisor first 8hrs	EA	1		<u>175.00</u>

SUB TOTAL KS 18419.55

CHEMICAL / ACID DATA:			

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

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

BASIC

energy services, L.P.

TREATMENT REPORT

Customer L.O. Drilling Inc		Lease No.		Date 6-22-12	
Lease Siefkes		Well # #6-22			
Field Order # 05931A	Station Pratt KS	Casing 8 5/8"	Depth 325'	County Stafford	State Ks
Type Job 8 5/8" Surface		Formation CNW	TD 330	Legal Description 27-21-12	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8"	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth 325'	Depth	From	To	Pre Pad				5 Min.
Volume 20 Bbl	Volume	From	To	Pad				10 Min.
Max Press 500 #	Max Press	From	To	Frac				15 Min.
Well Connection P.C.	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth 310'	Packer Depth	From	To	Flush Disp. H₂O		Gas Volume		Total Load

Customer Representative Jim T	Station Manager scotty	Treater Allen
Service Units 28443 27463 19831 19862		
Driver Names Allen Eric Jessie Peterson		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1145 AM 6-22-12					on Loc. Discuss Safety, Setup, Plans
1200 - 6-23-12					Start 8 5/8" casing. 23'
1240					casing @ 325' Hookup + CIR w/ Rig. "Good CIR."
100	200 #		80	5	start mix 175 SKS ACON @ 12'
	S			5	start mix 175 SKS common w/ 2% CC, 1/4" C.F. @ 15.6'
			40		Finish mix.
120					Release wooden Plug 8 5/8"
130			20	3	start disp.
	300 #				Plug down
					shut IN @ well
					Release PSTB To TRK.
					Wash up Equip.
230					Rack up Equip.
					Job complete.
					cement To Pit.
					thanks Allen, Eric, Jessie



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 06346 A

27-215-12W

DATE _____ TICKET NO. _____

DATE OF JOB	6-29-12	DISTRICT	Pratt, 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.D. Drilling, Incorporated			LEASE	Siefkes			WELL NO	6-27						
ADDRESS				COUNTY	Stafford			STATE	Kansas						
CITY				STATE				SERVICE CREW	C. Messick: M. Mattal: S. Young						
AUTHORIZED BY				JOB TYPE	C.N.W. - Longstring										
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	6-29-12	DATE	AM	TIME	10:00				
37,216	1					ARRIVED AT JOB			AM	TIME	4:00				
19,903-19,905	1					START OPERATION			AM	TIME	9:00				
						FINISH OPERATION			AM	TIME	10:00				
19,960-21,010	1					RELEASED	6-29-12		AM	TIME	10:15				
						MILES FROM STATION TO WELL	45								

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

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

ITEM PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 100C	Common Cement	str	150		\$ 2,400 00
CP 103	60/40 Poz Cement	str	65		\$ 780 00
CC 111	Salt	Lb	1,268		\$ 634 00
CC 113	Gypsum	Lb	705		\$ 528 75
CC 129	FLA-322	Lb	141		\$ 1,057 50
CC 201	Gilsonite	Lb	750		\$ 502 50
CF 103	Top Rubber Plug, 5 1/2"	ea	1		\$ 105 00
CF 251	Regular Guide Shoe, 5 1/2"	ea	1		\$ 250 00
CF 145	Insert Float Valve, 5 1/2"	ea	1		\$ 215 00
CF 165	Turbolizer, 5 1/2"	ea	6		\$ 660 00
E 100	Pickup Mileage	mi	45		\$ 191 25
E 101	Heavy Equipment Mileage	mi	90		\$ 630 00
E 113	Bulk Delivery	tm	443		\$ 709 20
CE 204	Cement Pump: 3,000 Feet To 4,000 Feet	hrs	4		\$ 2,160 00
CE 240	Blending and Mixing Service	str	215		\$ 301 00
CE 504	Plug Container	Job	1		\$ 250 00
S 003	Service Supervisor	hrs	8		\$ 175 00

SUB TOTAL \$ 8,777 39

CHEMICAL / ACID DATA:			

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

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

BASIC

energy services, L.P.

TREATMENT REPORT

Customer L.D. Drilling, Incorporated	Lease No. Well # 6-27	Date 6-29-12
Lease Siefkes	Field Order # 6346	Station Pratt, Kansas
Type Job C.N.W. - Longstring	Formation 5 1/2" 14Lb.	County Stafford
		State Kansas
		Legal Description 2C-215-12W

PIPE DATA		PERFORATING DATA		CEMENT USED		TREATMENT RESUME	
Casing Size 5 1/2 14Lb/ft.	Tubing Size 3 1/2 14Lb/ft.	Shots/Ft	150 sacks	Common with	1885 gal, 58C	ISIP	at set,
Depth 37.2 feet	From	To	18 FLS	A-322, 5Lb./stk.	Max	5 Min.	Gilsonite
Volume 90.8 Bbl.	From	To	15.3	Lb./Gal., 5.63 Gal./stk.,	1.39 CU. FT.	10 Min.	
Max Press 1,000 P.S.I.	From	To	35 sacks	60/40 Poz for	Avg	15 Min.	Scavenger cement.
Well Connection Plug Container	Annulus Vol.	From	To	30 sacks	60/40 Poz to	Plug Used	Annulus Pressure
Plug Depth 3.89 feet	Packer Depth	From	To	Flush	90.4 Bbl. Fresh Water	Gas Volume	Total Load

Customer Representative Jim Michels	Station Manager David Scott	Treater Clarence R. Messich
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Service Units	37,216	19,903	19,905	19,960	21,010				
Driver Names	Messich	Mattal	Young						

Time P.M.	Casing Pressure	Tubing Pressure	Bbbls. Pumped	Rate	(Service Log)
4:00					Trucks on location and hold safety meeting.
6:20					Petromark Drilling start to run Regular Guide Shoe, Shoe Joint with Auto Fill insert screwed into collar and a total of 89 Joints new 14Lb/ft 5 1/2" casing. A Turbolizer was installed on collars #1, 3, 5, 7, 9, and #11.
7:50					Casing in well. Circulate for 1 Hour.
9:04	2,700	2,700			Shut in well. Pressure Test. Open Well.
9:05	300			5	Start Fresh water Pre-Flush.
	300		10	5	Start mixing 35 sacks 60/40 Poz cement.
	300		17	5	Start mixing 150 sacks common cement.
	0		54		Stop pumping. Shut in well. Wash pump and lines. Release Top Rubber Plug. Open Well.
9:19	100			6.5	Start Fresh water Displacement.
			63	5	Start to lift cement.
9:37	500		90.4		Plug down.
	1,000				Pressure up.
					Release pressure. Float Insert held.
	0		7	3	Plug Rat Hole.
					Wash up pump truck.
10:15					Job Complete.
					Thank You,
					Clarence, Mike, Steve

GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

Well Information:

Name: SIEFKES 6-27

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S27/21S/12W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL Job Number: D1163

Test Unit:

Start Date: 2012/06/25 Start Time: 22:00:00

End Date: 2012/06/26 End Time: 04:40:00

Report Date: 2012/06/26 Prepared By: JOHN RIEDL

Qualified By: JOSH AUSTIN

Remarks:

RECOVERY: 120' GAS IN PIPE, 50' GAS+OIL CUT MUD, 300' MUDDY WATER



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STC/Siefkes6-27dst1

TIME ON: 23:45 6/26/12

TIME OFF: 04:40 6/27/12

Company L D DRILLING INC Lease & Well No. SIEFKES 6-27
Contractor PETROMARK RIG 2 Charge to L D DRILLING INC
Elevation 1844 K. Formation LANSING D-F Effective Pay _____ Ft. Ticket No. D1163
Date 6/25/12 Sec. 27 Twp. 21 S Range 12 W County STAFFORD State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative JOHN RIEDL

Formation Test No. 1 Interval Tested from 3287 ft. to 3337 ft. Total Depth 3337 ft.
Packer Depth 3282 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3287 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3290 ft. Recorder Number 30046 Cap. 6000 P.S.I.
Bottom Recorder Depth (Outside) 3334 ft. Recorder Number 11073 Cap. 4000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 48 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 9 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2,000 P.P.M. Drill Pipe Length 3365 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 22 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 48 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 (B.O.B 20 MINUTES) NO BB
2nd Open: STRONG (B.O.B 25 MINUTES) NO BB

Recovered 120 ft. of GIP
Recovered 50 ft. of G+OCM (10%GAS 10%OIL 80%MUD)
Recovered 300 ft. of MW (10%MUD 90%WATER) CHLORIDES 80,000 Ppm
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL FLUID RECOVERY 350' (230' IN DRILL PIPE, 120' IN DRILL COLLARS)</u>	Insurance
	Total

Time Set Packer(s) 11:45 P.M. A.M. P.M. Time Started Off Bottom 2:45 A.M. A.M. P.M. Maximum Temperature 107

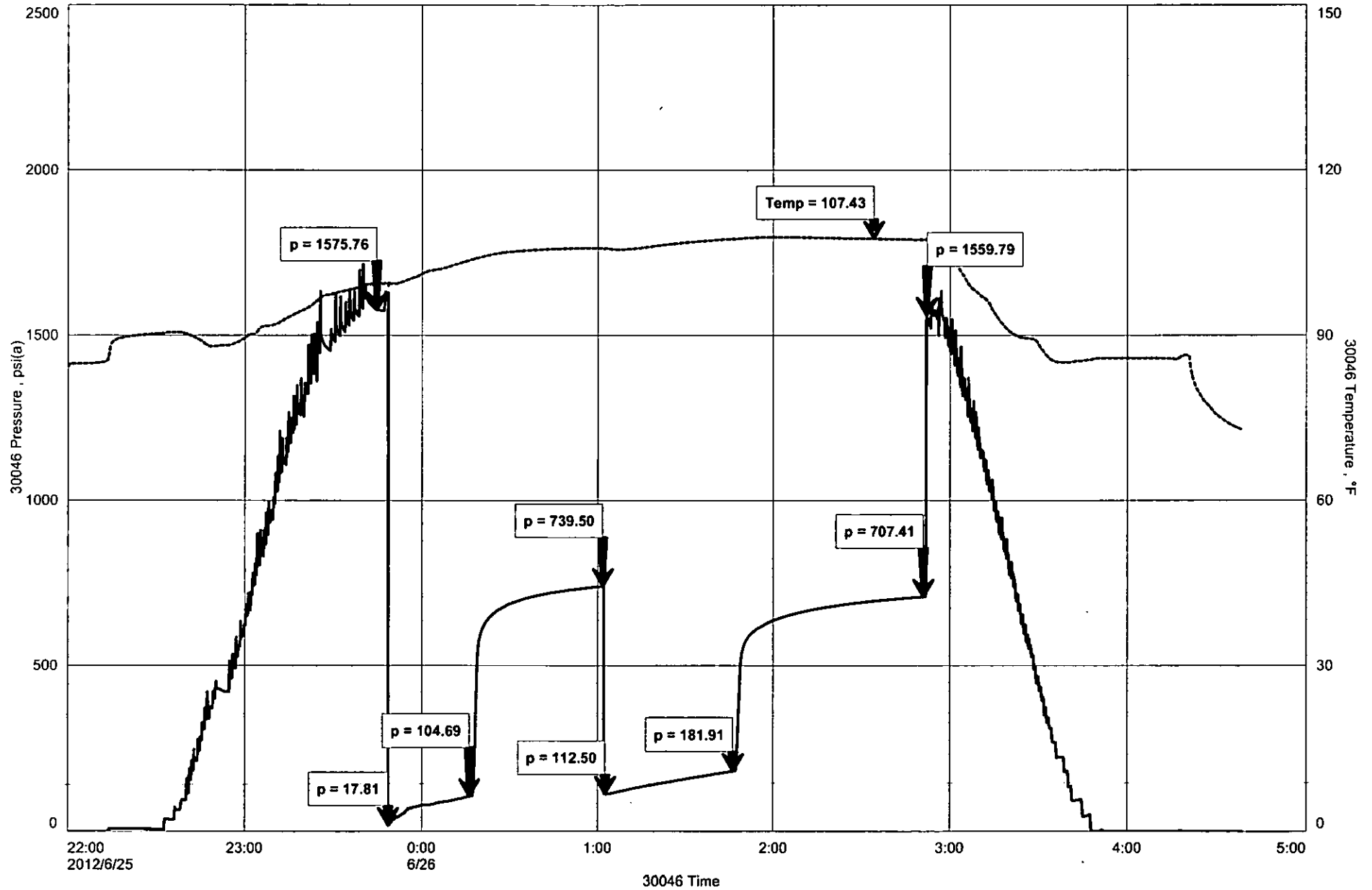
Initial Hydrostatic Pressure..... (A) 1576 P.S.I.
Initial Flow Period..... Minutes 30 (B) 18 P.S.I. to (C) 105 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 740 P.S.I.
Final Flow Period..... Minutes 45 (E) 113 P.S.I. to (F) 182 P.S.I.
Final Closed In Period..... Minutes 60 (G) 707 P.S.I.
Final Hydrostatic Pressure..... (H) 1560 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
Start Test Date: 2012/06/25
Final Test Date: 2012/06/26

SIEFKES 6-27
Formation: LANSING "D+F" DST 1
Job Number: D1163

SIEFKES 6-27



GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

Well Information:

Name: SIEFKES 6-27

Operator: LD DRILLING INC

Location-Downhole:

Location-Surface: S27/21S/12W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL Job Number: D1164

Test Unit:

Start Date: 2012/06/26 Start Time: 11:30:00

End Date: 2012/06/26 End Time: 15:10:00

Report Date: 2012/06/26 Prepared By: JOHN RIEDL

Qualified By: JOSH AUSTIN

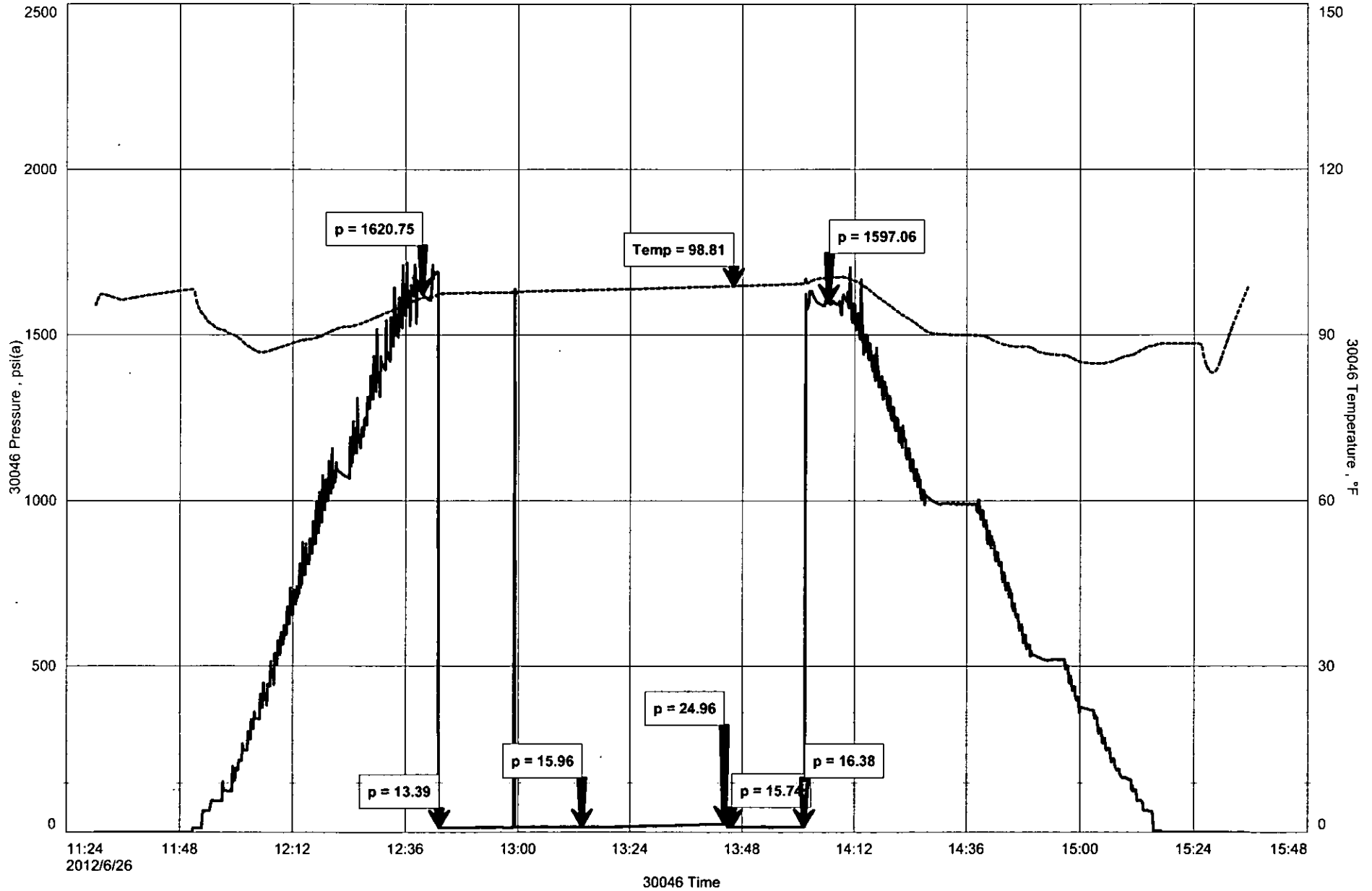
Remarks:

RECOVERY: 5' DRILLING MUD

L D DRILLING INC
Start Test Date: 2012/06/26
Final Test Date: 2012/06/26

SIEFKES 6-27
Formation: LANSING "H" DST #2
Job Number: D1164

SIEFKES 6-27





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STC/Siefkes6-27dst2

TIME ON: 11:45 6/26/12
TIME OFF: 15:30 6/26/12

Company L D DRILLING INC Lease & Well No. SIEFKES 6-27
Contractor PETROMARK RIG 2 Charge to L D DRILLING INC
Elevation 1844 K. Formation LANSING "H" Effective Pay _____ Ft. Ticket No. D1164
Date 6/26/12 Sec. 27 Twp. 21 S Range 12 W County STAFFORD State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative JOHN RIEDL

Formation Test No. 2 Interval Tested from 3380 ft. to 3400 ft. Total Depth 3400 ft.
Packer Depth 3375 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3380 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3383 ft. Recorder Number 30046 Cap. 6000 P.S.I.
Bottom Recorder Depth (Outside) 3397 ft. Recorder Number 11073 Cap. 4000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 60 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5,000 P.P.M. Drill Pipe Length 3358 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 22 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 20 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 (DEAD IMMEDIATELY: FLUSHED TOOL BUT OF NO HELP)
2nd Open: NO BLOW

Recovered 5 ft. of DRILLING MUD
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) 12:45 P.M. A.M. P.M. Time Started Off Bottom 1:55 P.M. A.M. P.M. Maximum Temperature _____

Initial Hydrostatic Pressure..... (A) 1621 P.S.I.
Initial Flow Period..... Minutes 30 (B) 14 P.S.I. to (C) 16 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 25 P.S.I.
Final Flow Period..... Minutes 10 (E) 16 P.S.I. to (F) 16 P.S.I.
Final Closed In Period..... Minutes ----- (G) ----- P.S.I.
Final Hydrostatic Pressure..... (H) 1597 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

GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

Well Information:

Name: SIEFKES 6-27

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S27/21S/12W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: DST #3 CONVENTIONAL Job Number: D1165

Test Unit:

Start Date: 2012/06/27 Start Time: 03:30:00

End Date: 2012/06/27 End Time: 07:50:00

Report Date: 2012/06/27 Prepared By: JOHN RIEDL

Qualified By: JOAH AUSTIN

Remarks:

RECOVERY: 10' OIL SPECKED MUD\tab\tab\tab\tab



DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: STC/Siefkes6-27dst3

TIME ON: 03:30 6/27/12

TIME OFF: 07:50 6/27/12

Company L D DRILLING INC Lease & Well No. SIEFKES 6-27
 Contractor PETROMARK RIG 2 Charge to L D DRILLING INC
 Elevation 1844 K. Formation CONGLOMERATE Effective Pay _____ Ft. Ticket No. D1166
 Date 6/27/12 Sec. 27 Twp. 21 S Range 12 W County STAFFORD State KANSAS
 Test Approved By JOSH AUSTIN Diamond Representative JOHN RIEDL

Formation Test No. 3 Interval Tested from 3470 ft. to 3820 ft. Total Depth 3820 ft.
 Packer Depth 3465 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3470 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3473 ft. Recorder Number 30046 Cap. 6000 P.S.I.
 Bottom Recorder Depth (Outside) 3817 ft. Recorder Number 11073 Cap. 4000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 60 Drill Collar Length 120 ft. I.D. 2 1/4 in.
 Weight 9.1 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 5,000 P.P.M. Drill Pipe Length 3448 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 22 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 50 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 30' DRILL PIPE Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK (DEAD IN 12 MINUTES)
2nd Open: NO BLOW

Recovered 10 ft. of OIL SPECKED DRILLING MUD
 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) 4:50 A.M. A.M. P.M. Time Started Off Bottom 5:55 A.M. A.M. P.M. Maximum Temperature _____

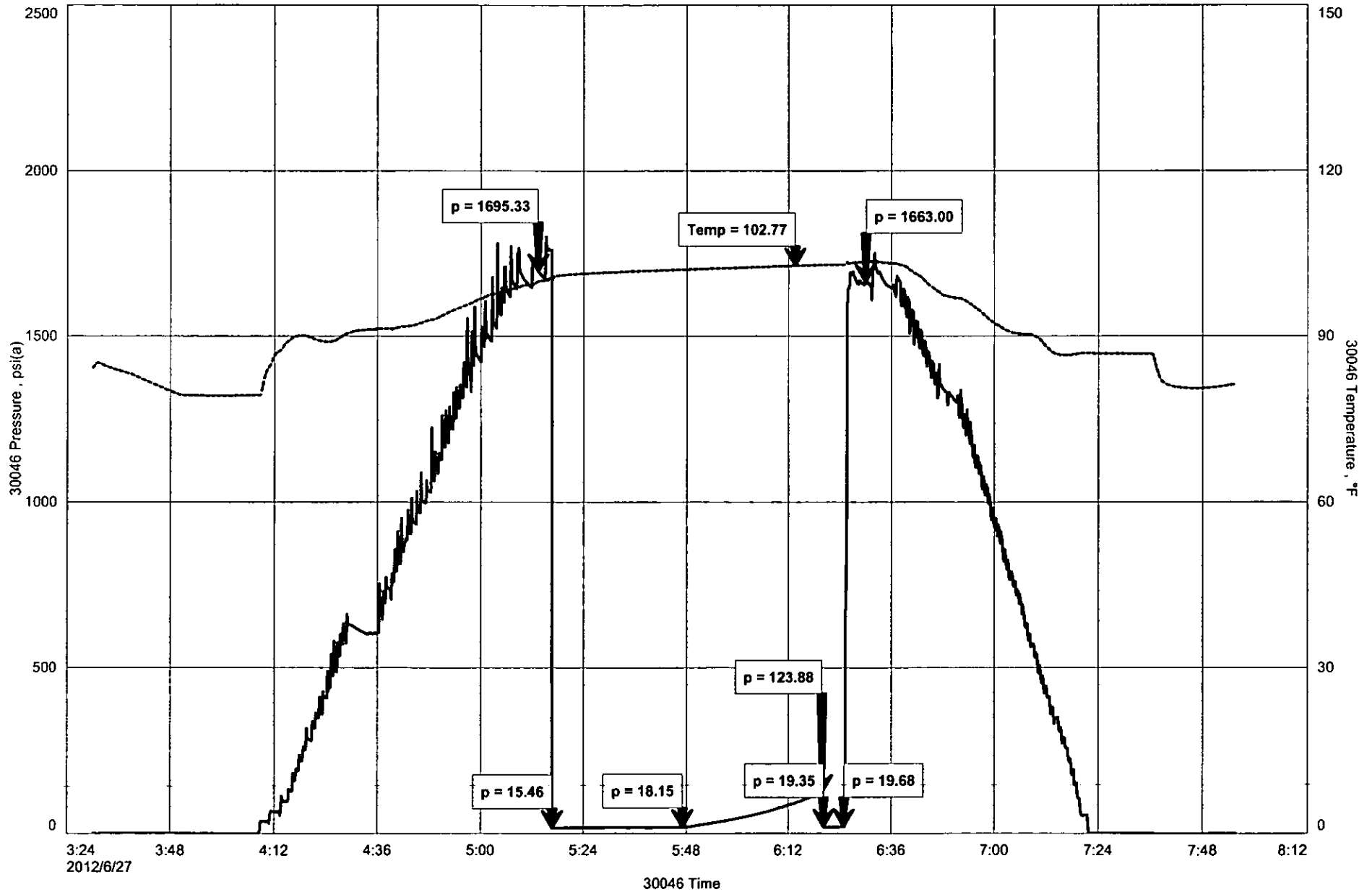
Initial Hydrostatic Pressure..... (A) 1695 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 15 P.S.I. to (C) 18 P.S.I.
 Initial Closed In Period..... Minutes 30 (D) 124 P.S.I.
 Final Flow Period..... Minutes 5 (E) 19 P.S.I. to (F) 20 P.S.I.
 Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
 Final Hydrostatic Pressure..... (H) 1663 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
Start Test Date: 2012/06/27
Final Test Date: 2012/06/27

SIEFKES 6-27
Formation: CONGLOMERATE
Job Number: D1165

SIEFKES 6-27



GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

Well Information:

Name: SIEFKES 6-27

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S27/21S/12W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL DST #4 Job Number: D1167

Test Unit:

Start Date: 2012/06/26 Start Time: 17:00:00

End Date: 2012/06/27 End Time: 23:55:00

Report Date: 2012/06/27 Prepared By: JOHN RIEDL

Qualified By: JOSH AUSTIN

Remarks:

RECOVERY: 250' GAS IN PIPE, 100' GAS+OIL CUT MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STC/Siefkes6-27dst5

TIME ON: 17:00 6/27/12

TIME OFF: 23:55 6/27/12

Company L D DRILLING INC Lease & Well No. SIEFKES 6-27
Contractor PETROMARK RIG 2 Charge to L D DRILLING INC
Elevation 1844 K.B Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. D1167
Date 6/27/12 Sec. 27 Twp. 21 S Range 12 W County STAFFORD State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative JOHN RIEDL

Formation Test No. 4 Interval Tested from 3546 ft. to 3618 ft. Total Depth 3618 ft.
Packer Depth 3541 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3546 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3549 ft. Recorder Number 30046 Cap. 6000 P.S.I.
Bottom Recorder Depth (Outside) 3615 ft. Recorder Number 11073 Cap. 4000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 54 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 9.4 Water Loss 11.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 10,000 P.P.M. Drill Pipe Length 3404 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 22 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 72 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: GOOD (7") NO BB
2nd Open: GOOD (7") NO BB

Recovered 250 ft. of GAS IN PIPE
Recovered 100 ft. of G+MCO (29%GAS 30%MUD 50%OIL)
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL FLUID RECOVERY 100' IN DRILL COLLARS</u>	Insurance
_____	Total

Time Set Packer(s) 6:45 P.M ^{A.M.}/_{P.M.} Time Started Off Bottom 9:45 P.M ^{A.M.}/_{P.M.} Maximum Temperature 106

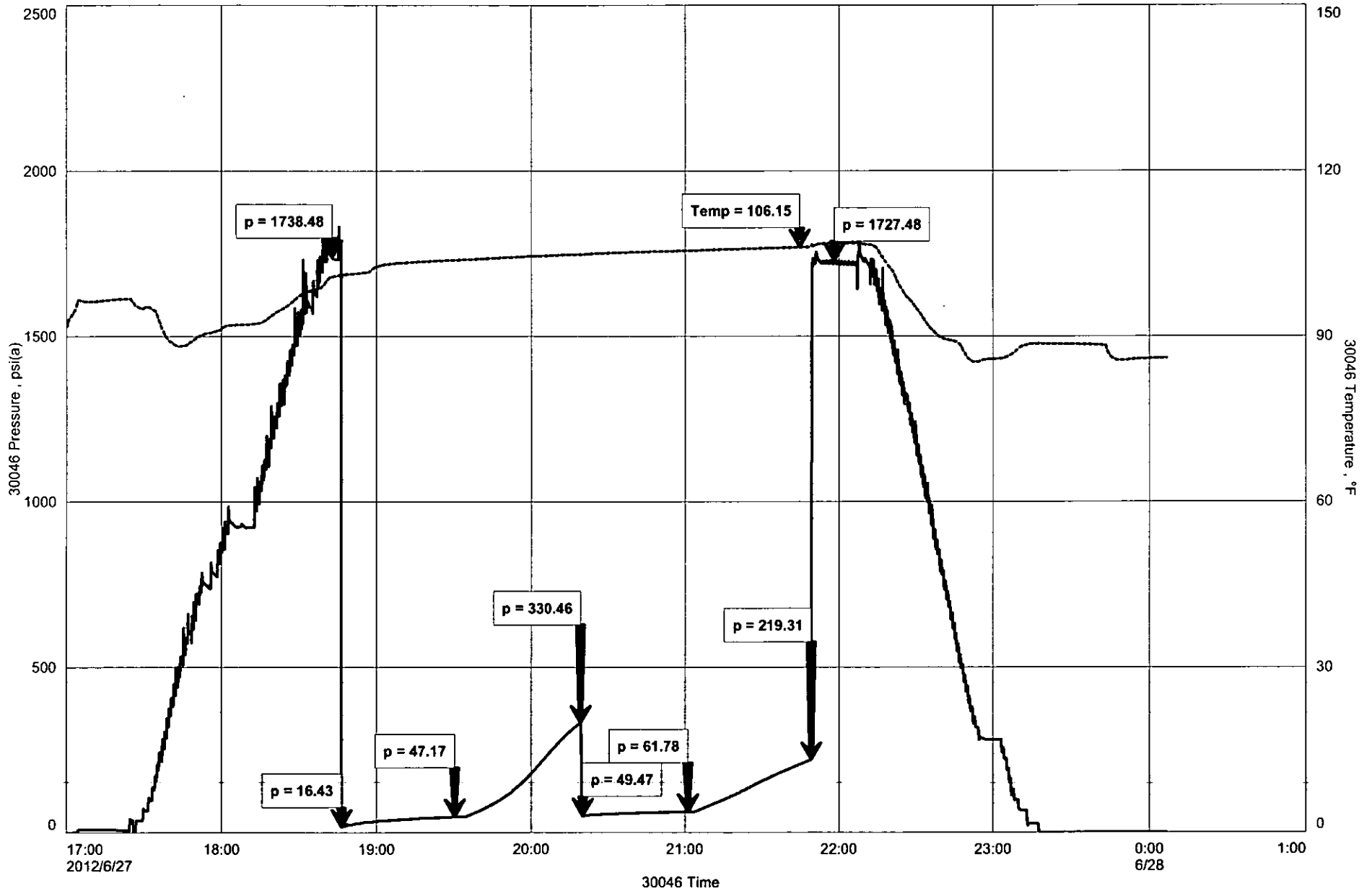
Initial Hydrostatic Pressure..... (A) 1738 P.S.I.
Initial Flow Period..... Minutes 45 (B) 16 P.S.I. to (C) 47 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 330 P.S.I.
Final Flow Period..... Minutes 45 (E) 49 P.S.I. to (F) 62 P.S.I.
Final Closed In Period..... Minutes 45 (G) 219 P.S.I.
Final Hydrostatic Pressure..... (H) 1127 P.S.I.

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L D DRILLING INC
Start Test Date: 2012/06/26
Final Test Date: 2012/06/27

SIEFKES 6-27
Formation: ARBUCKLE
Job Number: D1167

SIEFKES 6-27



GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

Well Information:

Name: SIEFKES 6-27

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S27/21S/12W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: DST #5 CONVENTIONAL Job Number: D1168

Test Unit:

Start Date: 2012/06/28 Start Time: 05:00:00

End Date: 2012/06/28 End Time: 11:50:00

Report Date: 2012/06/28 Prepared By: JOHN RIEDL

Qualified By: JOSH AUSTIN

Remarks:

RECOVERY: 500' GAS IN PIPE, 140'SLIGHTLY MUD CUT GASSY OIL



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STC/Siefkes6-27dst5

TIME ON: 05:00 6/28/12

TIME OFF: 11:50 6/28/12

Company L D DRILLING INC Lease & Well No. SIEFKES 6-27
Contractor PETROMARK RIG 2 Charge to L D DRILLING INC
Elevation 1844 K.B Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. D1168
Date 6/28/12 Sec. 27 Twp. _____ 21 S Range _____ 12 W County STAFFORD State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative JOHN RIEDL

Formation Test No. 5 Interval Tested from 3619 ft. to 3631 ft. Total Depth 3631 ft.
Packer Depth 3614 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3619 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3622 ft. Recorder Number 30046 Cap. 6000 P.S.I.
Bottom Recorder Depth (Outside) 3628 ft. Recorder Number 11073 Cap. 4000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type CHEMICAL Viscosity 54 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 9.4 Water Loss 11.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 10,000 P.P.M. Drill Pipe Length 3479 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 22 ft. Tool Size 3 1/2-4F in.
Did Well Flow? NO Reversed Out NO Anchor Length 12 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 (B.O.B 20 MINUTES)** NO BB
2nd Open: **STRONG (B.O.B 24 MINUTES)** NO BB

Recovered 500 ft. of GIP
Recovered 140 ft. of SLMCGO (5%MUD 25%GAS 75%OIL) GRAVITY OF 39 @ 60 DEGREES
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL FLUID RECOVERY 140' 20' IN DRILL PIPE, 120' IN DRILL COLLARS)</u>	Insurance
	Total

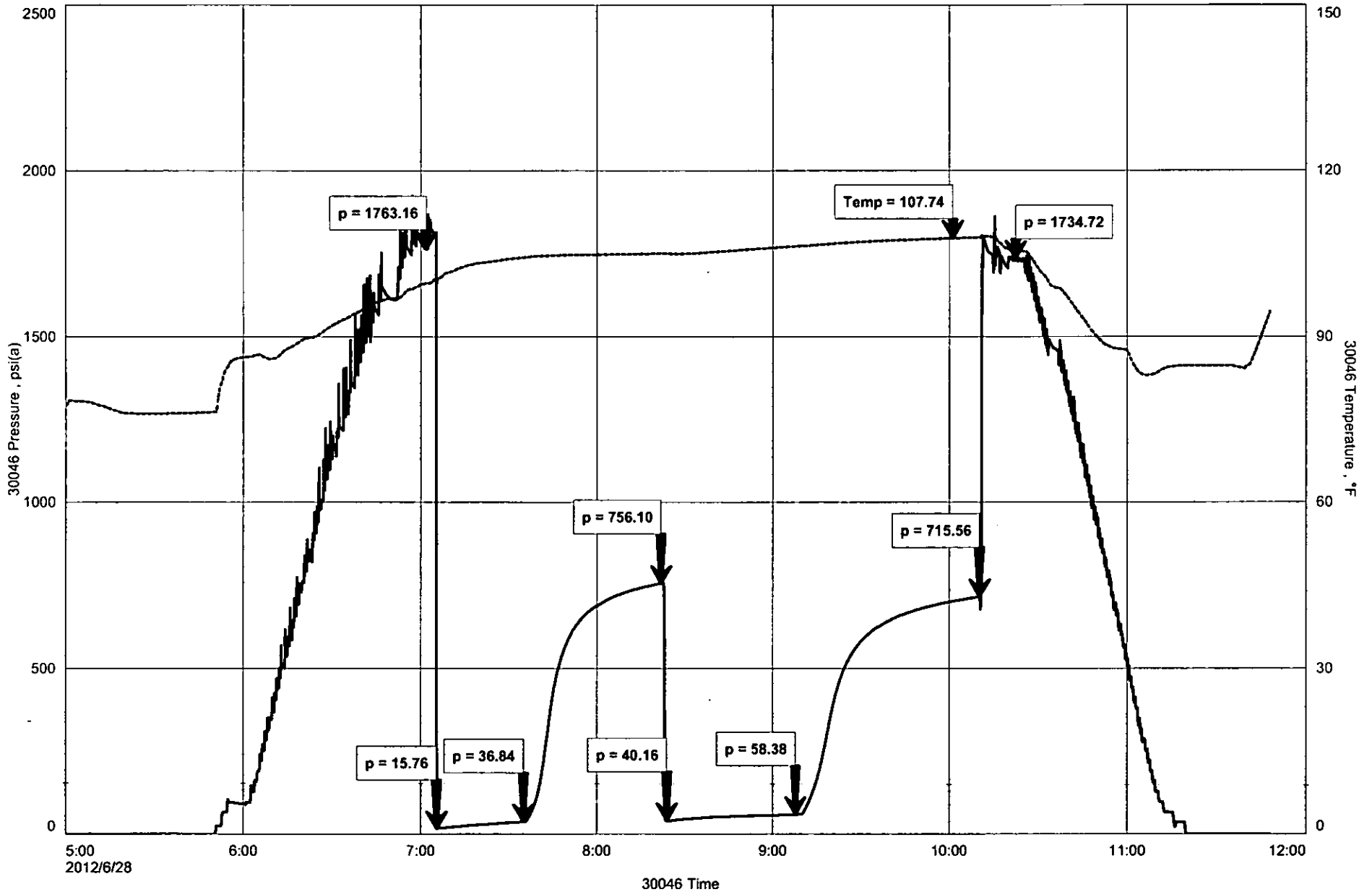
Time Set Packer(s) 7:10 A.M A.M. P.M. Time Started Off Bottom 10:10 A.M A.M. P.M. Maximum Temperature 108
Initial Hydrostatic Pressure..... (A) 1763 P.S.I.
Initial Flow Period..... Minutes 30 (B) 16 P.S.I. to (C) 37 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 756 P.S.I.
Final Flow Period..... Minutes 45 (E) 40 P.S.I. to (F) 58 P.S.I.
Final Closed In Period..... Minutes 60 (G) 716 P.S.I.
Final Hydrostatic Pressure..... (H) 1735 P.S.I.

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L D DRILLING INC
Start Test Date: 2012/06/28
Final Test Date: 2012/06/28

SIEFKES 6-27
Formation: ARBUCKLE
Job Number: D1168

SIEFKES 6-27



GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

Well Information:

Name: SIEFKES 6-27

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S27/21S/12W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: DST #6 CONVENTIONAL Job Number: D1168

Test Unit:

Start Date: 2012/06/28 Start Time: 17:45:00

End Date: 2012/06/29 End Time: 00:20:00

Report Date: 2012/06/29 Prepared By: JOHN RIEDL

Qualified By: JOSH AUSTIN

Remarks:

RECOVERY: 300' GAS IN PIPE, 70' GASSY OIL, 60' SLIGHTLY OIL CUT MUDDY WATER



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STC/Siefkes6-27dst6

TIME ON: 17:45 6/28/12
TIME OFF: 00:20:00 6/29/12

Company L D DRILLING INC Lease & Well No. SIEFKES 6-27
Contractor PETROMARK RIG 2 Charge to L D DRILLING INC
Elevation 1844 K.B Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. D1168
Date 6/28/12 Sec. 27 Twp. 21 S Range 12 W County STAFFORD State KANSAS
Test Approved By JOSH AUSTIN Diamond Representative JOHN RIEDL

Formation Test No. 6 Interval Tested from 3631 ft. to 3641 ft. Total Depth 3641 ft.
Packer Depth 3626 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3631 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3634 ft. Recorder Number 30046 Cap. 6000 P.S.I.
Bottom Recorder Depth (Outside) 3638 ft. Recorder Number 11073 Cap. 4000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 56 Drill Collar Length 120 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 11 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 10,000 P.P.M. Drill Pipe Length 3491 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 22 ft. Tool Size 3 1/2-4F in.
Did Well Flow? NO Reversed Out NO Anchor Length 10 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: GOOD "7" **WEAK BB**
2nd Open: STRONG "9" **WEAK BB**

Recovered 300 ft. of GIP
Recovered 70 ft. of GO (15%GAS 85%OIL)
Recovered 60 ft. of SLOCMW (5%OIL 25%MUD 70%WATER) CHLORIDES 24,000Ppm

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTALFLUID RECOVERY 130' (10' DRILL PIPE, 120' DRILL COLARS)</u>	Insurance
	Total

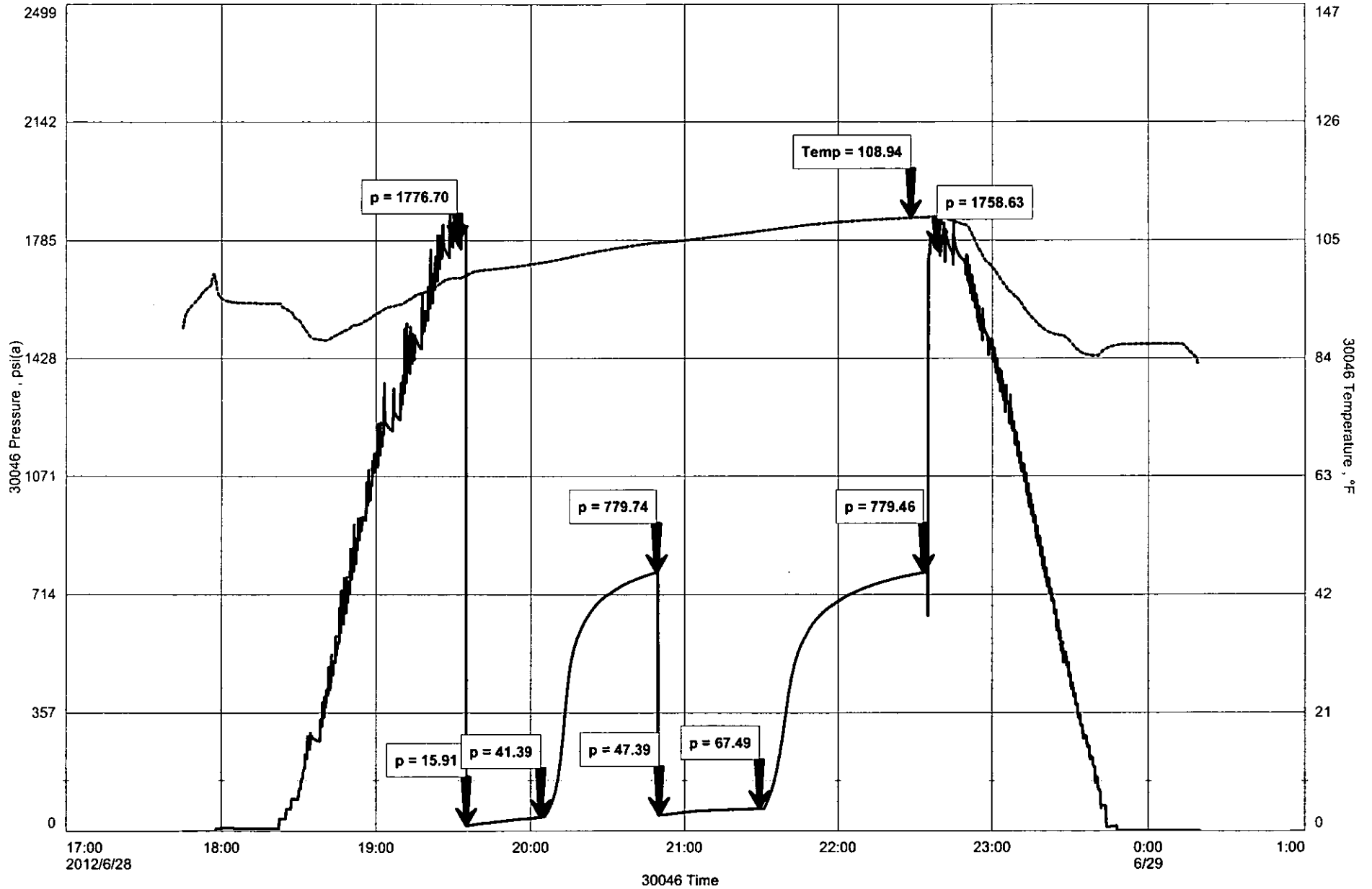
Time Set Packer(s) 7:50 P.M ^{A.M.} P.M. Time Started Off Bottom 10:50 P.M ^{A.M.} P.M. Maximum Temperature 109
Initial Hydrostatic Pressure..... (A) 1777 P.S.I.
Initial Flow Period..... Minutes 30 (B) 16 P.S.I. to (C) 41 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 780 P.S.I.
Final Flow Period..... Minutes 45 (E) 47 P.S.I. to (F) 67 P.S.I.
Final Closed In Period..... Minutes 60 (G) 779 P.S.I.
Final Hydrostatic Pressure..... (H) 1759 P.S.I.

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L D DRILLING INC
Start Test Date: 2012/06/28
Final Test Date: 2012/06/29

SIEFKES 6-27
Formation: ARBUCKLE
Job Number: D1168

SIEFKES 6-27

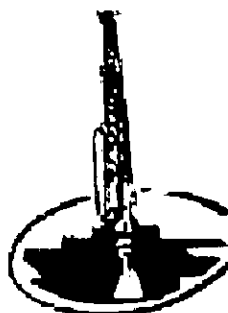


OPERATOR

Company: L.D. Drilling, Inc.
 Address: 7 SW 26th Ave
 Great Bend, KS 67530

Contact Geologist:
 Contact Phone Nbr: 620-793-3051
 Well Name: Siefkes 6-27
 Location: 8 5/8" @ 330'
 Pool:
 State: Kansas, Stafford Co.

API: 15-185-23758-00-00
 Field: Max North
 Country: USA



Musgrove

**PETROLEUM
 CORPORATION**
 Claflin, Kansas

Scale 1:240 Imperial

Well Name: Siefkes 6-27
 Surface Location: 8 5/8" @ 330'
 Bottom Location:
 API: 15-185-23758-00-00
 License Number:
 Spud Date: 6/22/2012 Time: 3:34 PM
 Region: SW-NE-SW-NE 27-21s-12w
 Drilling Completed: 6/29/2012 Time: 12:50 PM
 Surface Coordinates: 1800' From North Line & 1950' From East Line
 Bottom Hole Coordinates:
 Ground Elevation: 1839.00ft
 K.B. Elevation: 1844.00ft
 Logged Interval: 3000.00ft To: 3725.00ft
 Total Depth: 3725.00ft
 Formation: Arbuckle
 Drilling Fluid Type: Chemical mud was displaced at 2729'

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: Latitude:
 N/S Co-ord: 1800' From North Line
 E/W Co-ord: 1950' From East Line

LOGGED BY

Company: Musgrove Petroleum Corp.
 Address: 212 Main St.
 Claflin, KS 67525

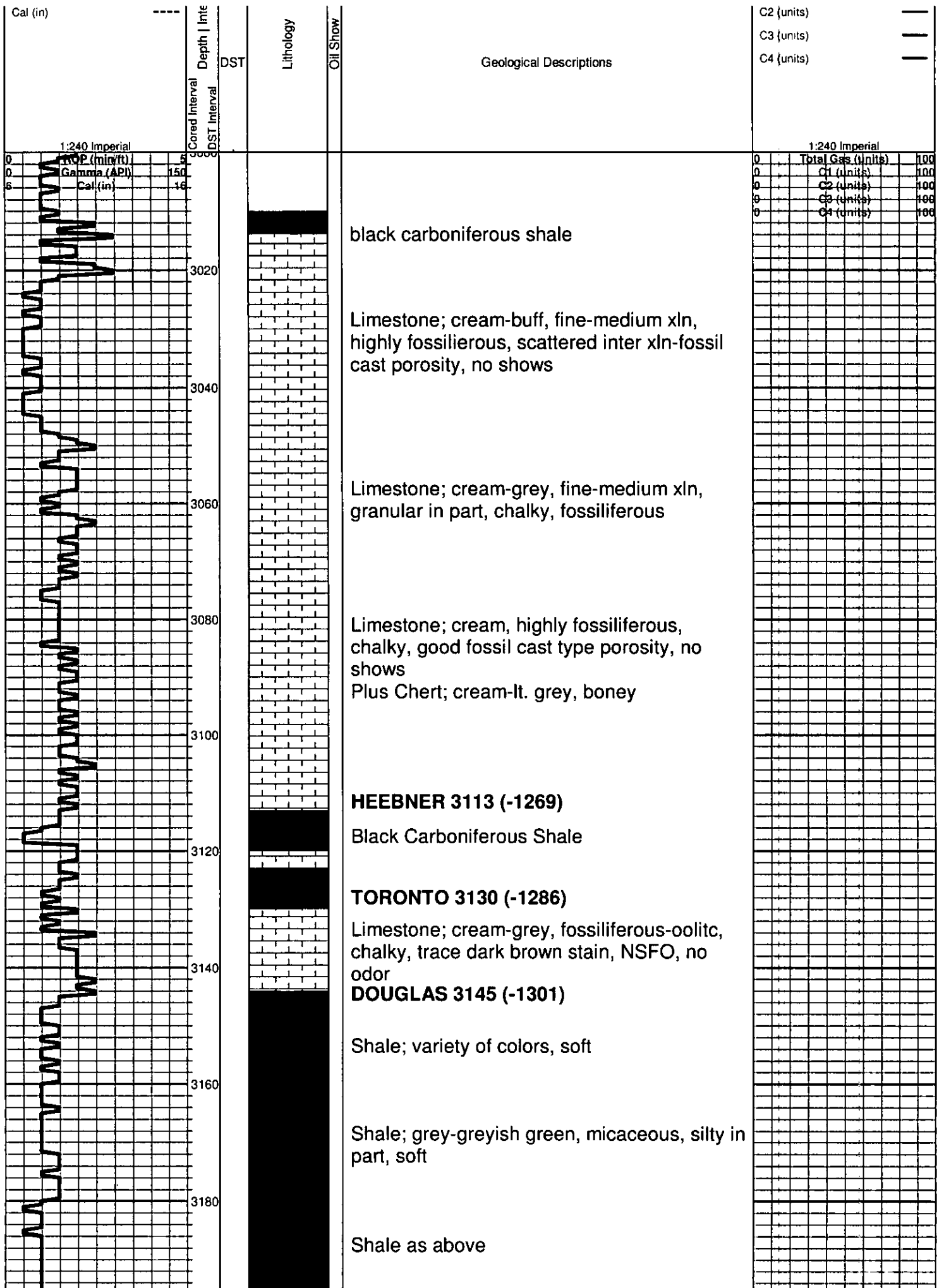
Phone Nbr: 620-546-3960
 Logged By: Geologist Name: Josh Austin

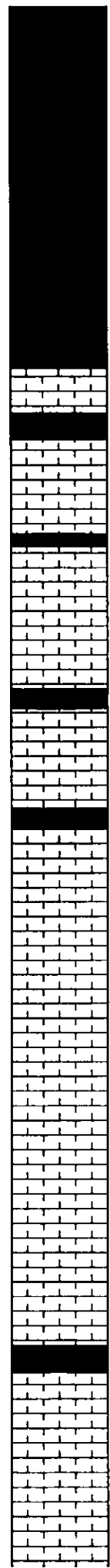
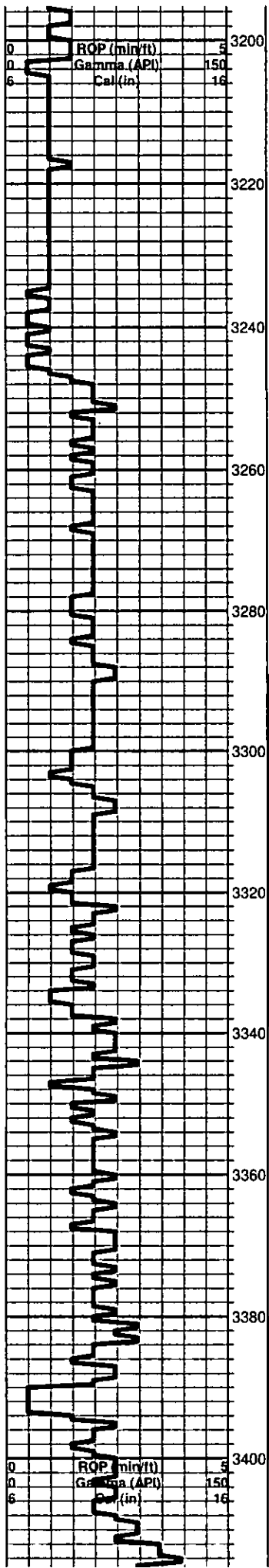
CONTRACTOR

Contractor: Petromark Drilling, LLC
 Rig #: 2
 Rig Type:
 Spud Date: 6/22/2012 Time: 3:34 PM
 TD Date: 6/29/2012 Time: 12:50 PM
 Rig Release: Time:

ELEVATIONS

K.B. Elevation: 1844.00ft Ground Elevation: 1839.00ft





Shale; grey-greyish green, micaceous, silty in part

Shale; as above, plus dark grey soft shale

BROWN LIME 3248 (-1404)

Limestone; tan-brown, fine xln, dense, cherty

LANSING 3256 (-1412)

Limestone; cream, fine xln, chalky, fossiliferous/oolitic, dense in part, poorly developed porosity, no shows

Limestone; cream-lt. grey, fine xln, chalky in part, dense, few sparry calcite, poor visible porosity, plus grey chert

Limestone; grey-buff, fine medium xln, fossiliferous, chalky, dense, no shows

Limestone; cream-grey, highly oolitic in part, chalky, few scattered inter xln type porosity, trace dark brown-black stain, slight SFO, faint odor

Limestone; cream-grey, fine xln, chalky, oolitic, dense, poorly developed porosity, no shows

Limestone; cream-lt. grey, fine xln, chalky, fossiliferous/oolitic, few scattered porosity, trace dark brown stain, NSFO, no odor

Limestone; buff-grey-cream, fine xln, chalky, dense, poorly developed porosity

Limestone; cream-lt. grey, chalky, oomoldic, oolitic, fair-good oomoldic porosity, brown-grey stain, SFO, faint odor

Limestone; cream, fine xln, chalky, oolitic, few scattered porositv. no shows

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

DST #1 3289-3337
30-45-45-60

Blow; BOB in 20 min
Final; BOB in 25 min
no blow back

Recovery;
120' GIP
50' G&OCM
(10%g 10%o 80%a)
300' muddy water

Pressure;
ISIP 740
FSIP 707
IFP 18-105
FFP 113-182
HSH 1576-1560

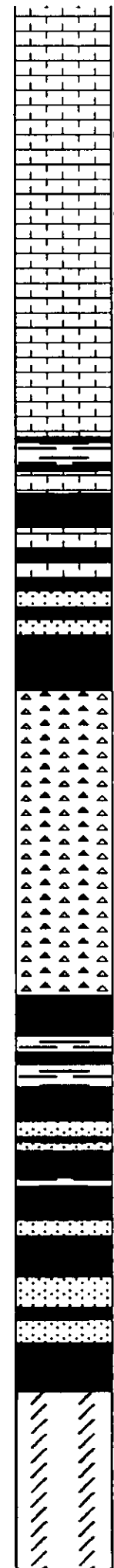
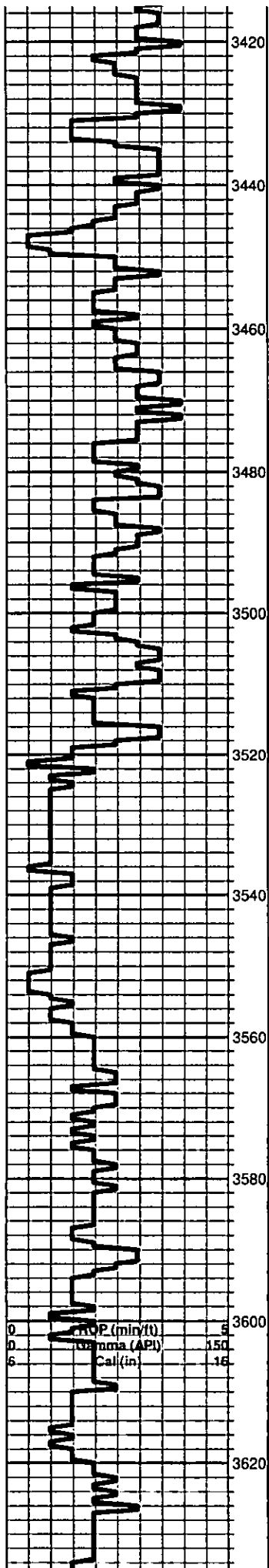
DST #2 3380-3400
30-30-10-0

Blow; died in 1 min

Recovery;
5' mud

Pressures;
ISIP 25
FSIP ---
IFP 14-16
FFP 16-16
HSH 1621-1597

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



Scattered porosity, no shows

Limestone; cream-white-grey, fine xln, oolitic in part, fair porosity, black "dead" oil stain, NSFO, no odor

Limestone; lt. grey, chalky, oolitic, oomoldic, fair-good oomoldic porosity, brown-grey stain, trace brown spotty free oil, faint odor

Limestone; cream-white, fine xln, chalky, oolitic, poor visible porosity, no shows

BASE KANSAS CITY 3484 (-1640)

Shale; grey-green, silty in part, few micaceous pieces

trace Sand; clear-grey, very fine grained, sub rounded, sub angular, friable, fair intergranular porosity, black-dark brown stain, spotty SFO, very faint odor plus shale variety of colors

VIOLA 3509 (-1665)

Chert; grey-white, semi tripolitic, few weathered pieces, black stain, slight SFO, gassy odor

Chert; as above, weathered in part, variety of colors, boney

Chert; variety of colors boney, few semi tripolitic pieces, trace black stain, NSFO

SIMPSON SHALE 3558 (-1714)

Shale; grey-green-maroon, soft/gummy, few waxey pieces

Trace Sand; clear-mustard, sub rounded, poorly sorted, friable, no shows

Shale; variety of colors, plus Sand as above "dirty" no shows

Shale; grey-dark grey, green

ARBUCKLE 3609 (-1765)

Dolomite; buff-cream, fine-medium xln, inter xln type porosity, brown stain, SFO, faint-fair odor

Dolomite; as above, fair porosity, SFO, good odor

Dolomite; cream-grey, medium xln, fair-good

DST #3 3470-3520
30-30-5-0

Blow; dead in 12 min

Recovery;
10' oil specked mud

Pressures;
ISIP 124
FSIP ---
IFP 15-18
FFP 19-20
HSH 1695-1663

DST #4 3546-3618
45-45-45-45

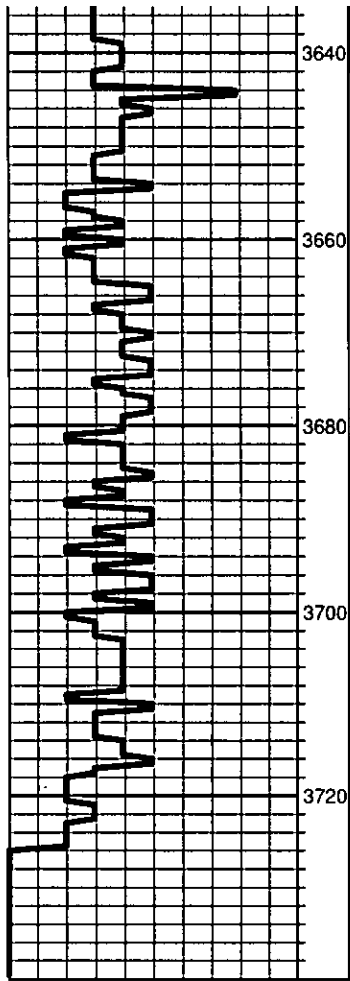
Blow; built to 7"
Final; built to 7"
no blow back

Recovery;
250' GIP
100' GMO
(20%g 30%m 50%o)

Pressures;
ISIP 330
FSIP 219
IFP 16-47
FFP 49-62
HSH 1738-1727

DST #5 3618-3631
30-45-45-60

Blow; BOB in 20 min
Final; BOB in 25 min
no blow back



inter xln porosity, dark brown-black stain,
SFO, good odor

D
Dolomite; cream-white-lt. grey, fine-medium
xln, slightly sucrosic in part, fair inter xln
porosity, black spotty stain, trace free oil,
faint odor

D
Dolomite; cream-buff, fine xln, few medium
xln, sucrosic, cherty in part, black "dead" oil
stain, questionable trace free oil, very faint
odor
plus grey-white Chert

D
Dolomite; tan-grey, fine-medium xln, fair inter
xln porosity, black stain, trace free oil (1-2
pcs), no odor, plus Chert white-grey, boney
plus FeS2

Dolomite; cream-white, fine xln, dense,
cherty, poor visible porosity, no shows, Chert
as above

ROTARY TOTAL DEPTH 3725 (-1881)

recovery;
500' GIP
140' SLMCGO
(25%g 5%mw 70%o)

Presures;
ISIP 756
FSIP 716
IFP 16-37
FFP 40-58
HSH 1763-1735

DST #6 3631-3641
30-45-45-60

Blow; Built to 7"
Final; Built to 8"
weak blow back

Recovery;
300' GIP
70' GO (15%g 85%o)
60' SLOCMW
(5%o 25%mw 70%w)

Presures;
ISIP 780
FSIP 779
IFP 16-41
FFP 41-67
HSH 1777-1759