



KANSAS CORPORATION COMMISSION 1058922  
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: \_\_\_\_\_

Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SLOW
- 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>5/13/2011</u>	<u>5/19/2011</u>	<u>7/07/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-009-25496-00-00

Spot Description: \_\_\_\_\_

E 2 SW SE NE Sec. 15 Twp. 19 S. R. 12  East  West

2310 Feet from  North /  South Line of Section

770 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Barton

Lease Name: KEITH Well #: 2-15

Field Name: CHYENNE VIEW

Producing Formation: COMGLOMERATE SAND

Elevation: Ground: 1852 Kelly Bushing: 1855

Total Depth: 3630 Plug Back Total Depth: 3598

Amount of Surface Pipe Set and Cemented at: 382 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: 5000 ppm Fluid volume: 0 bbls

Dewatering method used: Evaporated

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: Deanna Garriso Date: 8/18/2011



1058922

Operator Name: L. D. Drilling, Inc. Lease Name: KEITH Well #: 2-15  
 Sec. 15 Twp. 19 S. R. 12  East  West County: Barton

**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 SONIC CEMENT BOND LOG	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Heebner</td> <td>3017</td> <td>1162</td> </tr> <tr> <td>Toronto</td> <td>3036</td> <td>1181</td> </tr> <tr> <td>Douglas</td> <td>3052</td> <td>1197</td> </tr> <tr> <td>Brown Lime</td> <td>3131</td> <td>1276</td> </tr> <tr> <td>Lansing</td> <td>3144</td> <td>1289</td> </tr> </table>	Name	Top	Datum	Heebner	3017	1162	Toronto	3036	1181	Douglas	3052	1197	Brown Lime	3131	1276	Lansing	3144	1289
Name	Top	Datum																	
Heebner	3017	1162																	
Toronto	3036	1181																	
Douglas	3052	1197																	
Brown Lime	3131	1276																	
Lansing	3144	1289																	

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
SURFACE	7.875	8.625	24	382	60/40 POZMIX	320	3%CC,2%Gel,1/4#CF
PRODUCTION	12.25	5.5	14	3627	60/40 POZMIX	180	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD	-			
___ Plug Off Zone	-			

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
4	3414 - 3420'	500 gal 7.5% MCA HCL Acid	
		750 gal 10% NE HCL Acid	
		18000 gal Profrac LG 2500	

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. _____		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs. 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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Customer <i>L.D. Driller</i>	Lease No.	Date <i>5-13-11</i>
Lease <i>Keith 1</i>	Well # <i>2-15</i>	
Field Order # <i>403</i>	Station <i>Pratt Kc</i>	Casing <i>8 1/8</i>
		Depth <i>347'</i>
Type Job <i>CNW 8 5/8 sonow</i>	Formation	Legal Description <i>13 1/2 12</i>
County <i>BARTON</i>		State <i>KS</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>8 1/8</i>				Pre Pad			5 Min.	
Depth <i>347</i>	Depth	From	To	Pad	Max		10 Min.	
Volume <i>23</i>	Volume	From	To	Frac	Min		15 Min.	
Max Press <i>300</i>	Max Press	From	To		Avg			
Well Connection <i>P.C.</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <i>312</i>	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative	Station Manager <i>DAVE SCOTT</i>	Treater <i>Robert Johnson</i>
Service Units <i>37900</i>	<i>19903</i>	<i>19905</i>
Driver Names <i>Sullivan</i>	<i>Mitchell</i>	<i>Burgess</i>
<i>19826</i>	<i>19860</i>	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>9:45 am</i>					<i>on hr softy meeting</i>
					<i>Run 9 5 1/2 8 5/8 29 csg.</i>
<i>10:25</i>					<i>Casing on Bottom</i>
<i>10:35</i>					<i>Hook in circ.</i>
<i>10:40</i>	<i>150</i>		<i>3</i>	<i>4</i>	<i>St Sperry</i>
				<i>5</i>	<i>mix cont 320 st Colva 102</i>
			<i>68</i>		<i>cont mixed shut down</i>
					<i>Release Plug</i>
				<i>3.5</i>	<i>St Dip</i>
<i>11:20</i>	<i>150</i>		<i>23</i>		<i>plug down</i>
					<i>circ 9 BBL cont to Pit</i>
					<i>SOB Complete</i>
					<i>Thank you</i>



**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 03906 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB 5-19-11	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.D. Drilling, Inc.		LEASE Keith				WELL NO. 2-15	
ADDRESS		COUNTY Barton 15-19-12 STATE Kansas					
CITY		STATE		SERVICE CREW A. Werth, L. Wisor, M. McGraw			
AUTHORIZED BY		JOB TYPE: 5 1/2" Long String C.M.W.					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE AM PM TIME
28443 P.U.	1 1/2						5-19-11 2:00
27463 P.T.	1 1/2						5-19-11 5:20
	1 1/2						5-19-11 8:00
							5-19-11 1:00
							5-19-11 1:30
						MILES FROM STATION TO WELL	60-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	SK	150		\$ 1800.00
CP103	60/40 Poz	SK	30		\$ 360.00
CC103	cell FLAKE	lb	38		\$ 146.60
CC105	Deframer Powder	lb	33		\$ 132.00
CC111	Galt Fine	lb	1333		\$ 666.50
CC112	Cement Friction Reducer	lb	97		\$ 582.00
CC201	Gilsonite	lb	250		\$ 502.60
CF103	Top Rubber cement Plus 5/2"	EA	1		\$ 10.50
CF251	Guide Shoe Reg. 5 1/2" Blue	EA	1		\$ 250.00
CF1451	Flapper Type Insect Float Valve 5/2"	EA	1		\$ 215.00
CF1651	Turbaliner 5 1/2" Blue	EA	5		\$ 550.00
C704	CS-14 KCL Sub.	gal	1		\$ 35.00
CC151	mud Flush	gal	500		\$ 430.00
SUB TOTAL					

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE Allen F. Werth THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Jim Michle  
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



Customer <i>L.D. Drilling Inc</i>	Lease No.	Date <i>5-19-11</i>
Lease <i>Keith</i>	Well # <i>H 2-15</i>	
Field Order # <i>03906A</i>	Station <i>Pratt</i>	Casing <i>5/2"</i>
Type Job <i>5/2" Long String</i>	Depth <i>3627</i>	County <i>Barton</i>
	Formation <i>TD 3630</i>	State <i>KS</i>
		Legal Description <i>15-19-12</i>

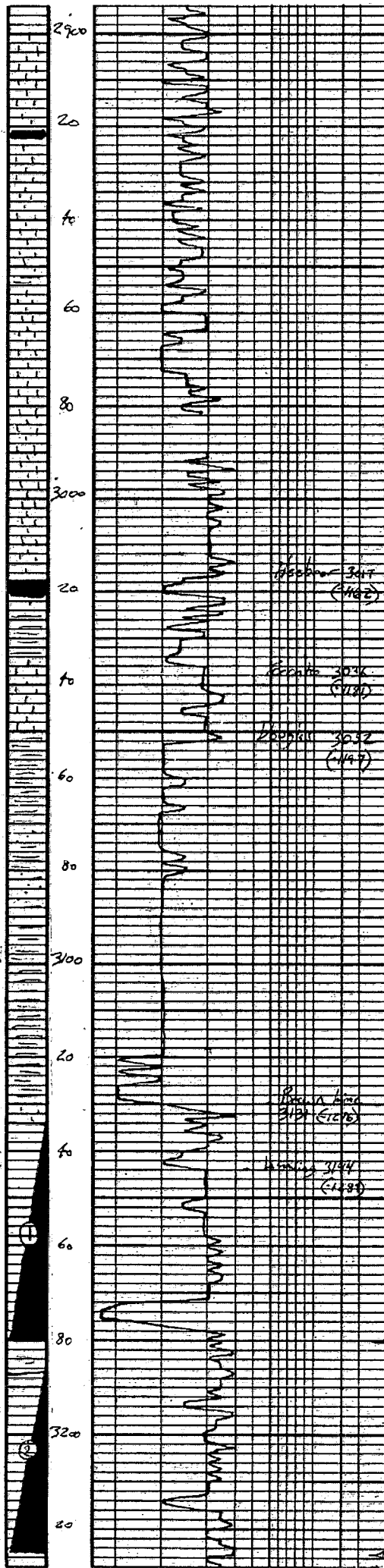
PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>5/2"</i>			<i>150 sks</i>	<i>60/40 Poz @ 15.4</i>			<i>5 Min.</i>	
Depth <i>3627</i>	Depth	From	To	Pre Pad	Max			
Volume <i>88 BBL</i>	Volume	From	To	Pad	Min		<i>10 Min.</i>	
Max Press <i>1000</i>	Max Press	From	To	Frac	Avg		<i>15 Min.</i>	
Well Connection <i>P.C.</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <i>3628</i>	Packer Depth	From	To	Flush <i>0:30 H 20</i>	Gas Volume		Total Load	

Customer Representative <i>Jim</i>	Station Manager <i>Scotty</i>	Treater <i>Allen</i>
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Service Units	Driver Names	Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Notes
<i>25443 27463</i>	<i>A. Werth, Mike McGraw</i>	<i>5:22 PM</i>					<i>D+S, csg. read Service Log PetroMark II</i>
		<i>6:00</i>					<i>on Loc. Discuss Safety, Setup Plan to Rig @ collars - Shut down for Bad weather out of Hole Lay down Kelly.</i>
		<i>6:55</i>					<i>Rig up to Run 5/2" csg. 14' Start 5/2" casing. Shoe Jt. 19:40 w/ Shoe Pig. + insert float in collar cent. 1-3-5-7-9</i>
		<i>8:10</i>					<i>TAG TD @ 3630 - Pickup 3 2627 Hookup + circ well - Good circ.</i>
		<i>8:55</i>	<i>300</i>		<i>20</i>	<i>5</i>	<i>Pump 20 BBL 2% KCL</i>
					<i>12</i>	<i>5</i>	<i>Pump 12 BBL mud Flush</i>
					<i>3</i>	<i>5</i>	<i>Pump 3 BBL H<sub>2</sub>O spacer</i>
					<i>6</i>		<i>mix + Pump 150 sks 60/40 Poz @ 15.4</i>
					<i>38</i>		<i>Finish mix washout Pump line</i>
		<i>9:15</i>				<i>6 1/2</i>	<i>Drop Top Rubber Plug 5/2" St. Dis</i>
		<i>9:30</i>	<i>500</i>			<i>5 1/2</i>	<i>caught lift PST. 69 BBL's</i>
			<i>1060</i>		<i>88</i>	<i>4 1/2</i>	<i>Plug down</i>
							<i>Release PST OK.</i>
							<i>Plug Rat Hole w/ 30 sks 60/40 washup + Rackup Equip.</i>
		<i>10:30</i>					<i>Job complete.</i>
							<i>Thanks Allen Lucas, Mike</i>







15. Cream-buff fine grain  
 1 foot v. s. no spray at  
 4/5  
  
 16. BK carb shale  
 + grey dark grey sh  
  
 17. grey green fine cherty  
 sh fine grain in part  
 sandy dol = 10/5  
  
 18. cream-buff fine dolomite in  
 part, no spray 1/5  
  
 19. ss green v. s. by impact  
 SS  
 + grey heavy sh  
  
 20. BK carb shale  
  
 21. grey fine sh  
  
 22. cream-buff fine cherty  
 + some blue also string sh  
  
 23. shale; grey-green  
 micaceous part, sandy  
  
 24. shale, ss silty in part  
  
 25. grey soft silty micaceous shale  
 + sandy grey-green  
 ss micaceous  
  
 26. sh + ss  
 SS  
  
 27. cream-buff fine dolomite by  
 30-45-45-60  
 Blue; fine built to 9"  
 fine; fine built to 8"  
 no blue bit  
 Recovery 80' mud  
 Primary; TSP 196 PSI  
 TSP 198 "  
 IFP 27-42 "  
 EEP 49-64 "  
 HSH 1512 "  
 -1500  
  
 28. grey-green fine cherty  
 sh fine grain in part  
 sandy dol = 10/5  
 + grey heavy sh  
  
 29. grey fine cherty no spray  
 sh fine grain in part  
 sandy dol = 10/5  
  
 30. sh + ss  
 SS  
 Recovery; 250' GIP  
 70' 420cm  
 (5/445 5/101 90/101)

KB 1855  
  
 DST #1 3137-3180  
 30-45-45-60  
 Blue; fine built to 9"  
 fine; fine built to 8"  
 no blue bit  
 Recovery 80' mud  
 Primary; TSP 196 PSI  
 TSP 198 "  
 IFP 27-42 "  
 EEP 49-64 "  
 HSH 1512 "  
 -1500  
  
 DST #2 307-3225  
 30-45-45-60  
 Blue; strong OBB in 20"  
 no blue bit  
 fine; strong OBB in 10"  
 with blue bit  
 Recovery; 250' GIP  
 70' 420cm  
 (5/445 5/101 90/101)





## 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: KEITH 2-15

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S15/19S/12W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL

Job Number: D956

Test Unit:

Start Date: 2011/05/16

Start Time: 19:30:00

End Date: 2011/05/17

End Time: 01:20:00

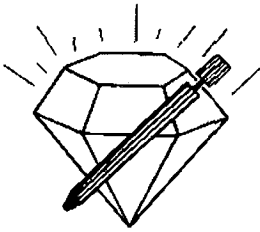
Report Date: 2011/05/17

Prepared By: JOHN RIEDL

### Remarks:

Qualified By: JOSH AUSTIN

RECOVERY: 80' DRILLING MUD



# DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

ON19 :30:00 5/16/11

OFF 01:50 05/17/11

## DRILL-STEM TEST TICKET

STC/KEith2-15dst1

Company L D DRLLING INC Lease & Well No. KEITH 2-15  
 Contractor PETROMARK DRLG RIG 2 Charge to L D DRILLING INC  
 Elevation 1855 K.B Formation LANSING A+B Effective Pay \_\_\_\_\_ Ft. Ticket No. D956  
 Date 5/16/11 Sec. 15 Twp. 19 S Range 12 W County BARTON State KANSAS  
 Test Approved By JOSH AUSTIN Diamond Representative JOHN C. RIEDL

Formation Test No. 1 Interval Tested from 3134 ft. to 3180 ft. Total Depth 3180 ft.  
 Packer Depth 3129 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth 3134 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ 3137 ft. Recorder Number 30046 Cap. 6000 P.S.I.  
 Bottom Recorder Depth (Outside) \_\_\_\_\_ 3177 ft. Recorder Number 11073 Cap. 4000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 62 Drill Collar Length 120 ft. I.D. 2 1/4 in.  
 Weight 8.7 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 6,000 P.P.M. Drill Pipe Length 2992 ft. I.D. 3 1/2 in.  
 Jars: Make BOWEN Serial Number NOT USED Test Tool Length 22 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 46 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 (SLOW BUILD TO 9") NO BB  
 2nd Open: GOOD (SLOW BUILD TO 7") NO BB

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: TOTAL FLUID RECOVERY: (' IN DRILL PIPE, ' IN DRILL COLLARS)

	Price Job .
	Other Charges
	Insurance
	Total

Time Set Packer(s) 8:35 P.M <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 11:35 P.M <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 101

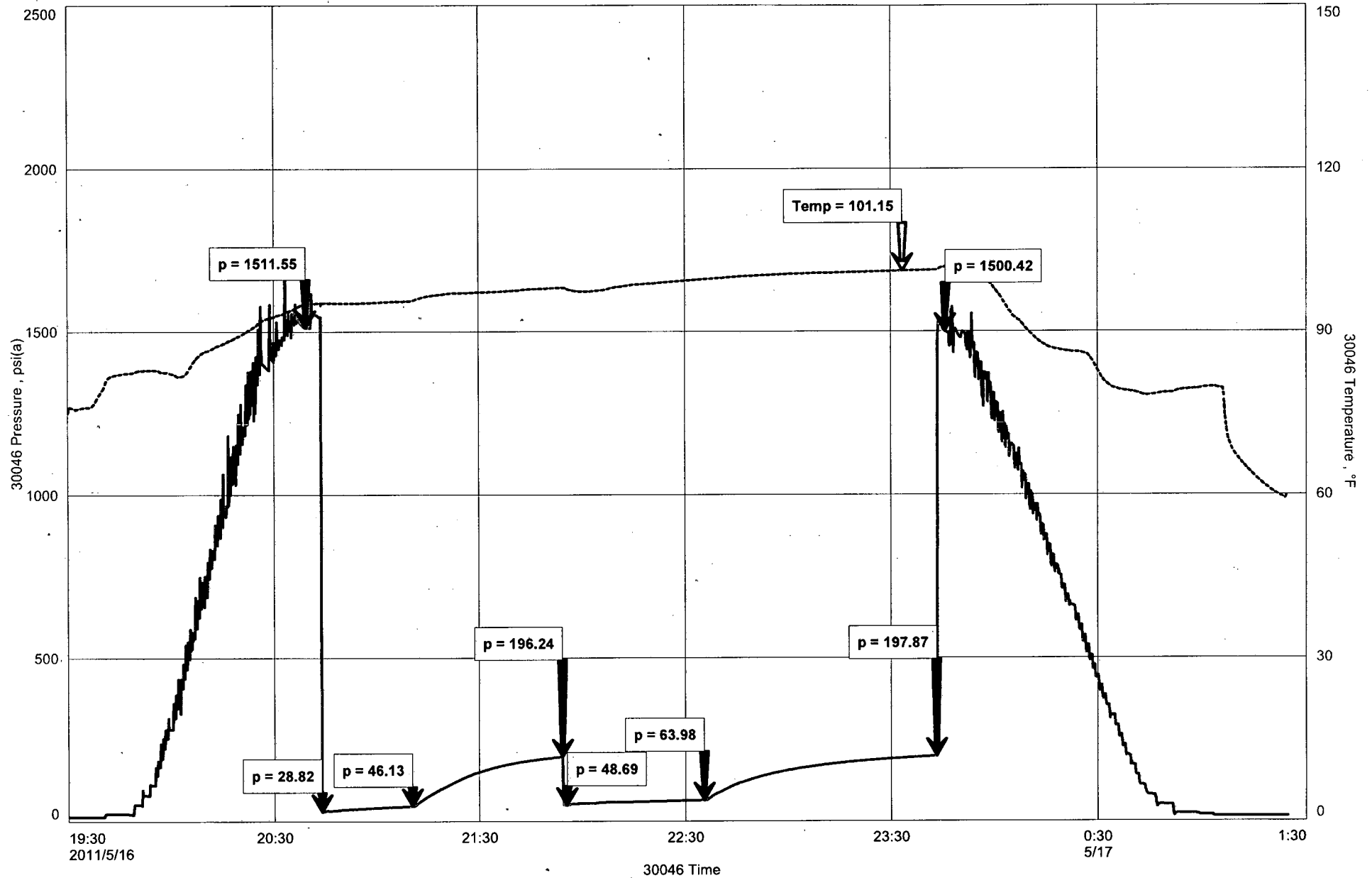
Initial Hydrostatic Pressure ..... (A) 1512 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 29 P.S.I. to (C) 46 P.S.I.  
 Initial Closed In Period ..... Minutes 45 (D) 196 P.S.I.  
 Final Flow Period ..... Minutes 45 (E) 49 P.S.I. to (F) 64 P.S.I.  
 Final Closed In Period ..... Minutes 60 (G) 198 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1500 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: 2011/05/16  
Final Test Date: 2011/05/17

KEITH 2-15  
Formation: LANSING A+B  
Job Number: D956

# KEITH 2-15



## 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: KEITH 2-15

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S15/19S/12W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL

Job Number: D957

Test Unit:

Start Date: 2011/05/17

Start Time: 08:00:00

End Date: 2011/05/17

End Time: 13:45:00

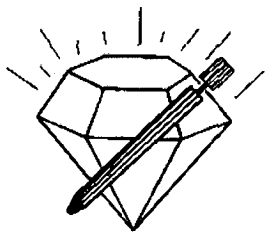
Report Date: 2011/05/17

Prepared By: JOHN RIEDL

### Remarks:

Qualified By: JOSH AUSTIN

RECOVERY: 250' GAS IN PIPE, 90' GAS+OIL CUT MUD



# DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313

ON 8:00 5/17/11

OFF 13:50 05/17/11

## DRILL-STEM TEST TICKET

STC/KEITH2-15dst2

Company L D DRILLING INC Lease & Well No. KEITH 2-15  
 Contractor PETROMARK DRLG RIG 2 Charge to L D DRILLING INC  
 Elevation 1855 K.B Formation LANSING "C-F" Effective Pay \_\_\_\_\_ Ft. Ticket No. D957  
 Date 5/17/11 Sec. 15 Twp. 19 S Range 12 W County BARTON State KANSAS  
 Test Approved By JOSH AUSTIN Diamond Representative JOHN C. RIEDL

Formation Test No. 2 Interval Tested from 3187 ft. to 3225 ft. Total Depth 3225 ft.  
 Packer Depth 3182 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth 3187 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ 3190 ft. Recorder Number 30046 Cap. 6000 P.S.I.  
 Bottom Recorder Depth (Outside) \_\_\_\_\_ 3222 ft. Recorder Number 11073 Cap. 4000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 62 Drill Collar Length 120 ft. I.D. 2 1/4 in.  
 Weight 9.2 Water Loss 8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 4,000 P.P.M. Drill Pipe Length 3145 ft. I.D. 3 1/2 in.  
 Jars: Make BOWEN Serial Number NOT USED Test Tool Length 22 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 38 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 28 MINUTES) NO BB  
 2nd Open: STRONG (B.O.B 40 MIN.) WEAK BB 1/2"

Recovered 250 ft. of GAS IN PIPE  
 Recovered 90 ft. of GAS+OIL CUT MUD (5%GAS 5%OIL 90%MUD)

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: <u>TOTAL FLUID RECOVERY: (90' IN DRILL COLLARS)</u>	
	Total

Time Set Packer(s) 9:15 A.M A.M. P.M. Time Started Off Bottom 12:15 P.M A.M. P.M. Maximum Temperature 103  
 Initial Hydrostatic Pressure ..... (A) 1528 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 35 P.S.I. to (C) 52 P.S.I.  
 Initial Closed In Period ..... Minutes 45 (D) 456 P.S.I.  
 Final Flow Period ..... Minutes 45 (E) 56 P.S.I. to (F) 74 P.S.I.  
 Final Closed In Period ..... Minutes 60 (G) 418 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1507 P.S.I.

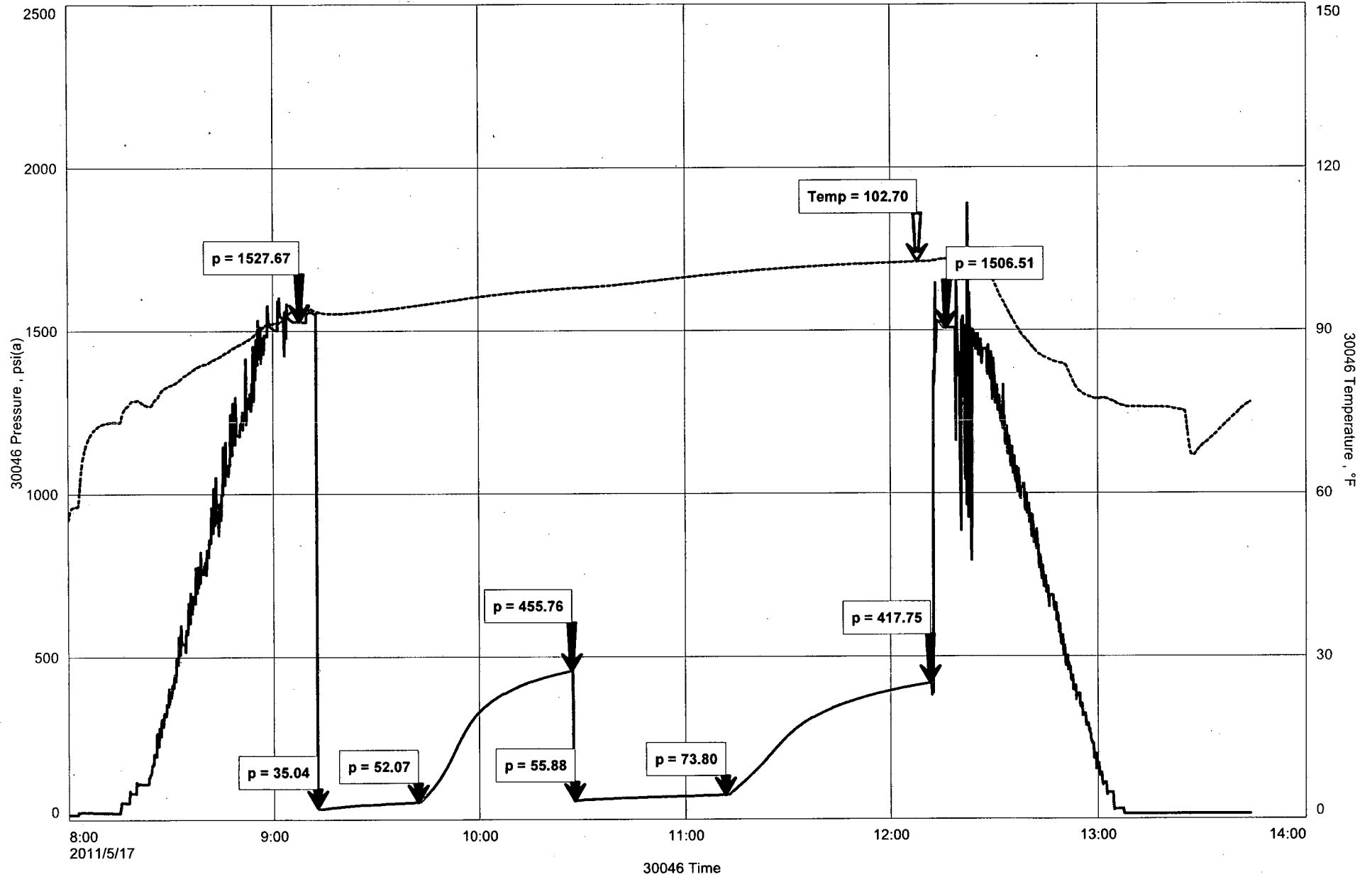
Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged 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: 2011/05/17  
Final Test Date: 2011/05/17

KEITH 2-15  
Formation: LANS C-F  
Job Number: D957

# KEITH 2-15



## 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: KEITH 2-15

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S15/19S/12W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL

Job Number: D958

Test Unit:

Start Date: 2011/05/17

Start Time: 23:30:00

End Date: 2011/05/18

End Time: 05:30:00

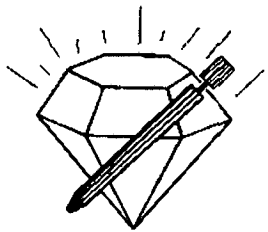
Report Date: 2011/05/18

Prepared By: JOHN RIEDL

### Remarks:

Qualified By: JOSH AUSTIN

RECOVERY: 100' DRILLING MUD



# DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

ON 23:30 5/17/11

OFF 05:30 05/18/11

## DRILL-STEM TEST TICKET

STC/KEITH2-15dst2

Company L D DRILLING INC Lease & Well No. KEITH 2-15  
 Contractor PETROMARK DRLG RIG 2 Charge to L D DRILLING INC  
 Elevation 1855 K.B Formation LANSING "H-J" Effective Pay \_\_\_\_\_ Ft. Ticket No. D958  
 Date 5/17/11 Sec. 15 Twp. 19 S Range 12 W County BARTON State KANSAS  
 Test Approved By JOSH AUSTIN Diamond Representative JOHN C. RIEDL

Formation Test No. 3 Interval Tested from 3277 ft. to 3370 ft. Total Depth 3370 ft.  
 Packer Depth 3272 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth 3277 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Depth of Selective Zone Set \_\_\_\_\_  
 Top Recorder Depth (Inside) \_\_\_\_\_ 3280 ft. Recorder Number 30046 Cap. 6000 P.S.I.  
 Bottom Recorder Depth (Outside) \_\_\_\_\_ 3367 ft. Recorder Number 11073 Cap. 4000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 62 Drill Collar Length 120 ft. I.D. 2 1/4 in.  
 Weight 9.2 Water Loss 8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 4,000 P.P.M. Drill Pipe Length 3135 ft. I.D. 3 1/2 in.  
 Jars: Make BOWEN Serial Number NOT USED Test Tool Length 22 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 93 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: FAIR (3 1/2") NO BB  
 2nd Open: FAIR (4") NO BB

Recovered 100 ft. of DRILLING MUD  
 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

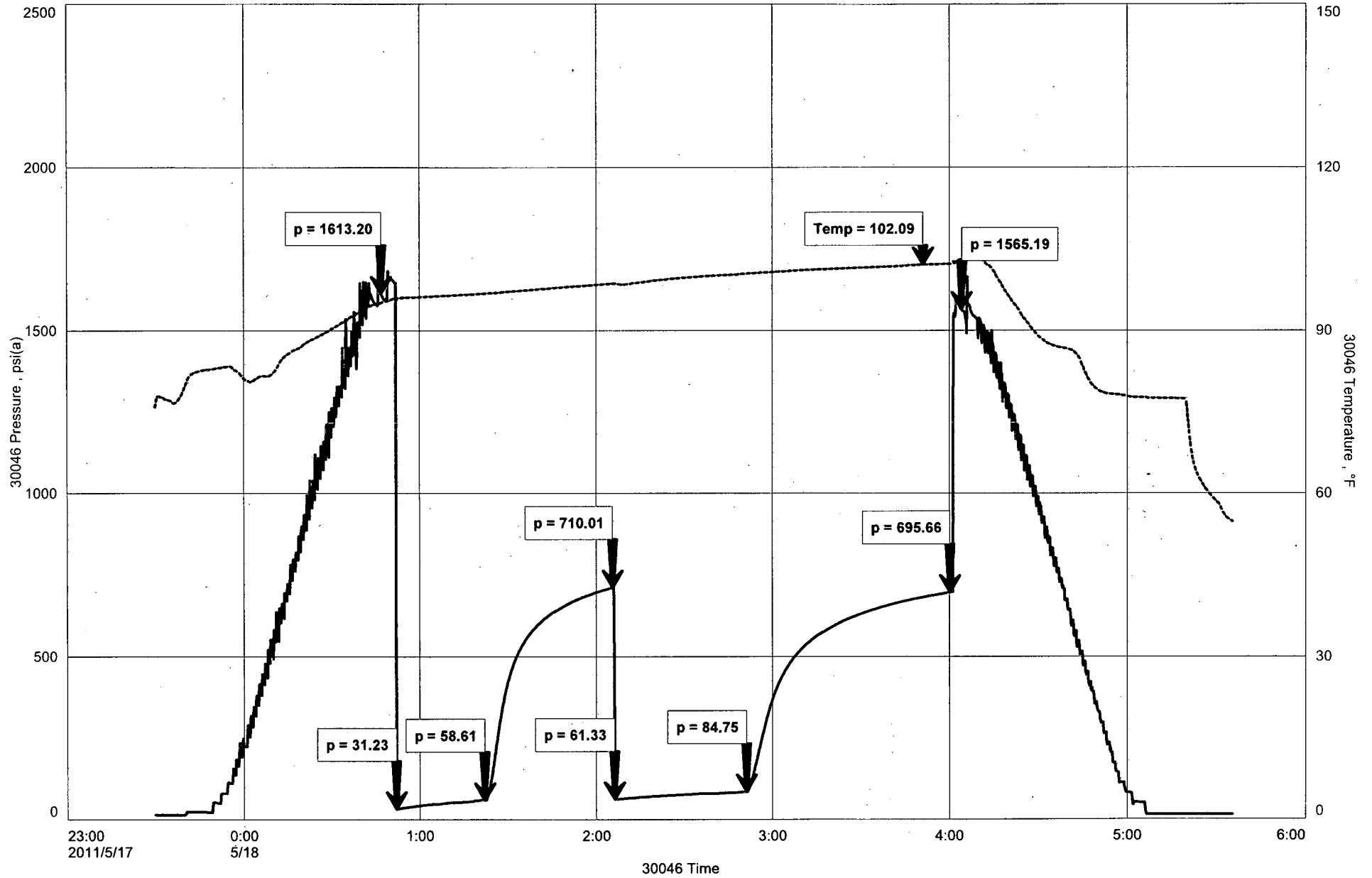
Time Set Packer(s) 12:50 A.M. A.M. P.M. Time Started Off Bottom 3:50 A.M. A.M. P.M. Maximum Temperature 102  
 Initial Hydrostatic Pressure ..... (A) 1613 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 31 P.S.I. to (C) 59 P.S.I.  
 Initial Closed In Period ..... Minutes 45 (D) 710 P.S.I.  
 Final Flow Period ..... Minutes 45 (E) 61 P.S.I. to (F) 85 P.S.I.  
 Final Closed In Period ..... Minutes 60 (G) 646 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1565 P.S.I.

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L D DRILLING INC  
Start Test Date: 2011/05/17  
Final Test Date: 2011/05/18

KEITH 2-15  
Formation: LKC "H-K"  
Job Number: D958

# KEITH 2-15



## 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: KEITH 2-15

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S15/19S/12W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL Job Number: D959

Test Unit:

Start Date: 2011/05/18 Start Time: 13:35:00

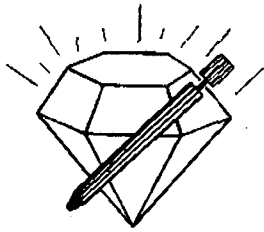
End Date: 2011/05/18 End Time: 19:10:00

Report Date: 2011/05/18 Prepared By: JOHN RIEDL

Qualified By: JOSH AUSTIN

### Remarks:

RECOVER: 90' CLEAN GASSY OIL (10%GAS 90%OIL) 36 GRAVITY @ 60 DEGREES  
120' SLM+GCO (10%GAS 5%MUD 85%OIL)



# DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

ON 13:35 5/18/11

OFF 19:10 5/18/11

## DRILL-STEM TEST TICKET

STC/Keith2-15dst4

Company L D DRILLING INC Lease & Well No. KEITH 2-15  
 Contractor PETROMARK DRLG RIG 2 Charge to L D DRILLING INC  
 Elevation 1855 K.B Formation CONGLOMERATE SAND Effective Pay \_\_\_\_\_ Ft. Ticket No. D959  
 Date 5/18/11 Sec. 15 Twp. 19 S Range 12 W County BARTON State KANSAS  
 Test Approved By JOSH AUSTIN Diamond Representative JOHN C. RIEDL

Formation Test No. 4 Interval Tested from 3385 ft. to 3430 ft. Total Depth 3420 ft.  
 Packer Depth 3380 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth 3385 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ 3388 ft. Recorder Number 30046 Cap. 6000 P.S.I.  
 Bottom Recorder Depth (Outside) \_\_\_\_\_ 3417 ft. Recorder Number 11073 Cap. 4000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 64 Drill Collar Length 120 ft. I.D. 2 1/4 in.  
 Weight 9.2 Water Loss 8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 5,000 P.P.M. Drill Pipe Length 3243 ft. I.D. 3 1/2 in.  
 Jars: Make BOWEN Serial Number NOT USED Test Tool Length 22 ft. Tool Size 3 1/2-1F in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 45 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 (SLOW BUILD TO 7") NO BB  
 2nd Open: STRONG (B.O.B 42 MINUTES) WEAK BB

Recovered 90 ft. of GO (10%GAS 90%OIL) 36 GRAVIT @ 60 DEGREES  
 Recovered 120 ft. of G+MCO (5%GAS 10%MUD 85%OIL)

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL FLUID RECOVERY:210' (120' IN DRILL PIPE, 90' IN DRILL COLLARS)</u>	Insurance
_____	Total

Time Set Packer(s) 2:35 P.M A.M. P.M. Time Started Off Bottom 5:35 P.M A.M. P.M. Maximum Temperature 104  
 Initial Hydrostatic Pressure ..... (A) 1684 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 35 P.S.I. to (C) 95 P.S.I.  
 Initial Closed In Period ..... Minutes 45 (D) 421 P.S.I.  
 Final Flow Period ..... Minutes 45 (E) 95 P.S.I. to (F) 118 P.S.I.  
 Final Closed In Period ..... Minutes 60 (G) 419 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1642 P.S.I.

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L D DRILLING INC  
Start Test Date: 2011/05/18  
Final Test Date: 2011/05/18

KEITH 2-15  
Formation: CONG SAND  
Job Number: D959

# KEITH 2-15

