



KANSAS CORPORATION COMMISSION 1112377  
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 # \_\_\_\_\_

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      Date Reached TD      Completion Date or  
Recompletion Date           Recompletion Date

API No. 15 - \_\_\_\_\_

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

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**

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



1112377

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 Bbls.	Gas Mcf	Water Bbls.	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 <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	PETERS 2-8
Doc ID	1112377

Tops

Name	Top	Datum
ANHYDRITE	521	+1259
BASE ANHYDRITE	539	+1241
TOPEKA	2647	-867
HEEBNER	2912	-1132
BROWN LIME	3038	-1258
LANSING	3060	-1280
BASE KANSAS CITY	3281	-1501
ARBUCKLE	3307	-1527



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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

**FIELD SERVICE TICKET**  
1718 06619 A

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

DATE OF JOB <u>12-14-12</u> DISTRICT <u>Pratt</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>LD Drilling</u>		LEASE <u>Peters</u> <u>2-8</u> WELL NO. <u>1</u>							
ADDRESS		COUNTY <u>Barton</u> STATE <u>155</u>							
CITY STATE		SERVICE CREW <u>James Steve Joe</u>							
AUTHORIZED BY		JOB TYPE: <u>CDW 8 5/8 51-</u>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<u>19903-19905</u>	<u>45min</u>						<u>12-13-12</u>	<u>PM</u>	<u>6:30</u>
<u>19890-73768</u>	<u>45min</u>					ARRIVED AT JOB	<u>12-14-12</u>	<u>AM</u>	<u>2:30</u>
<u>37900</u>						START OPERATION	<u>12-14-12</u>	<u>PM</u>	<u>3:15</u>
						FINISH OPERATION	<u>12-14-12</u>	<u>PM</u>	<u>4:00</u>
						RELEASED	<u>12-14-12</u>	<u>AM</u>	<u>5:00</u>
						MILES FROM STATION TO WELL			<u>60</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
CP 101	A-con Blend common	SK	175		3,750 00
CP 100C	Common cement	SK	175		2,800 00
CC 102	Cellulose	lb	88		325 60
CC 109	Calcium Chloride	lb	825		866 25
CF 153	Wood Cement Plug	sq	1		160 00
E 100	Pickup mileage	mi	60		255 00
E 101	Heavy mileage	mi	120		840 00
E 113	Bulk Delivery	mi	990		1,594 00
CE 200	Depth Charge	4hrs	1		1,000 00
CE 240	Mixing Charge	SK	350		490 00
CE 504	Plug Container	JOB	1		250 00
S 003	Supervisor	sq	1		175 00

SUB TOTAL DLS 8,921 89

CHEMICAL / ACID DATA:			

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

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

Customer <b>LD Drilling</b>	Lease No.	Date <b>12-14-12</b>
Lease <b>Peters</b>	Well # <b>2-8</b>	
Field Order # <b>10619</b>	Station <b>Pratt</b>	Casing <b>8 5/8</b>
		Depth <b>426</b>
Type Job <b>CNW 8 5/8 SF</b>	Formation	County <b>Barton</b>
		State <b>KS</b>
		Legal Description <b>8-20-11</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<b>8 5/8</b>								
Depth <b>426</b>	Depth	From	To	Pre Pad	Max		5 Min.	
Volume <b>26</b>	Volume	From	To	Pad	Min		10 Min.	
Max Press <b>500</b>	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <b>411</b>	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative **Jim** Station Manager **SCOTT** Treater **Joe Melson**

Service Units	<b>19903</b>	<b>19905</b>	<b>19890</b>	<b>73768</b>	<b>37906</b>				
Driver Names	<b>James</b>		<b>STEVE</b>		<b>JOE</b>				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<b>2:30</b>					<b>ON LCL / SAFETY MEETING</b>
<b>2:30</b>					<b>Run 10 JTS 8 5/8 CSY</b>
<b>3:15</b>			<b>27</b>	<b>5.5</b>	<b>Casing ON BOTTOM and circ. when we got there</b>
			<b>37</b>	<b>5.5</b>	<b>Mix 175 S/S A-CON @ 12 #/gal</b>
					<b>Mix 175 S/S COMMON @ 15 #/gal</b>
<b>3:40</b>			<b>0</b>	<b>0</b>	<b>shut Down</b>
					<b>Release Plug</b>
<b>4:00</b>			<b>0</b>	<b>4</b>	<b>START H2O DISPLACEMENT</b>
			<b>26</b>	<b>4</b>	<b>CEMENT TO SURFACE</b>
					<b>Plug DOWN</b>
					<b>Circulation Thru JOB</b>
					<b>Circul gated 26 BBL cement TO SURFACE</b>
					<b>JOB COMPLETE</b>
					<b>Thank you</b>
					<i>[Signature]</i>



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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

**FIELD SERVICE TICKET**  
1718 07082 A

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

DATE OF JOB 12-18-12	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.A. Drilling Inc	LEASE Peters # 2-8	WELL NO.								
ADDRESS	COUNTY Barton	8-20-11		STATE KANS.						
CITY	STATE	SERVICE CREW Allen, Mike, Matt, Scott								
AUTHORIZED BY	JOB TYPE: ATA CNW									
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
28443 P.H.	2						12-18-12			245
19903-19905	2					ARRIVED AT JOB	12-18-12			430
19826-19860	2					START OPERATION	12-18-12			600
						FINISH OPERATION	12-18-12			800
						RELEASED	12-18-12			845
						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	19.0		\$ 990.00
CE300	cement Gel	lb	325		\$ 87.50
CE102	con Flaks	lb	48		\$ 144.00
CF153	wooden cement Plug 8 3/8"	EA	1		\$ 160.00
E100	unit mileage chg. P.H.	mi.	60		\$ 255.00
E101	Heavy Equip mileage chg.	mi.	120		\$ 440.00
E113	Bulk Bul. Chg.	TON	492		\$ 787.20
E204	Depth Charge 3001-4000'	4-in	1		\$ 2160.00
CE240	Blend & mixing Service chg.	SK	19.0		\$ 266.00
S033	Service Service Supervisor - first 8 hrs	EA	1		\$ 175.00
SUB TOTAL					\$ 5,387.10

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	B/W
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE

*Allen F. Woods*

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:

*Tom Peters*

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

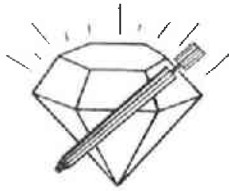
FIELD SERVICE ORDER NO.

Customer <i>F.D. Drilling INC</i>	Lease No.	Date <i>12-18-12</i>
Lease <i>Peters</i>	Well # <i>#2-8</i>	
Field Order # <i>070828</i>	Station <i>Pratt KS</i>	Casing
Type Job <i>PTA</i>	Formation <i>CNW</i>	Depth <i>3312</i>
		County <i>Barton</i>
		State <i>KS</i>
		Legal Description <i>S 20-11</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
	<i>4 1/2"</i>	<i>190</i>		<i>60/40 Poz 4%</i>	<i>4%</i>	<i>14</i>	<i>13.8</i>	
Depth	Depth	From	To	Pre Pad	Max		5 Min.	
Volume	Volume	From	To	Pad	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative <i>TP</i>	Station Manager <i>Scotty</i>	Treater <i>Allen</i>
Service Units <i>28443 19903 19905 19826 19860</i>		
Driver Names <i>Allen Mike Matt Scott Callaway</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>4:30 AM</i>					<i>on loc. Discuss Safety, Setup Plan 50'</i>
<i>6:00</i>					<i>Rig Running Plugging Stands. 1/4" C.I.</i>
					<i>1st Plug <del>3300</del> - w/ 25 sks 60/40 4% gel.</i>
		<i>200'</i>	<i>15</i>	<i>3</i>	<i>Pump 15-BBL H2O</i>
			<i>6</i>	<i>3</i>	<i>mix + Pump 25 sks cmt.</i>
			<i>3</i>	<i>3</i>	<i>Pump 3-BBL H2O</i>
					<i>Disp w/ 41 BBL mud.</i>
<i>6:15</i>					<i>Pull Drill Pipe</i>
					<i>2nd Plug @ 530' - 25 sks 60/40 4% gel.</i>
<i>7:05</i>		<i>200'</i>	<i>10</i>	<i>3</i>	<i>Pump 10 BBL H2O</i>
			<i>6</i>	<i>3</i>	<i>mix + Pump 25 sks cmt</i>
			<i>3</i>	<i>3</i>	<i>Pump 3 BBL H2O</i>
					<i>Pull Drill Pipe.</i>
<i>7:25</i>					<i>3rd Plug @ 475' - 100 sks 60/40 4% gel.</i>
		<i>200'</i>	<i>5</i>	<i>3</i>	<i>Pump 5 BBL H2O</i>
			<i>24</i>	<i>4</i>	<i>mix 100 sks cmt</i>
					<i>Pump 2 BBL H2O</i>
<i>7:40</i>					<i>Pull Drill Pipe</i>
<i>7:55</i>			<i>2 1/2</i>	<i>2</i>	<i>4th Plug 40' To surface, 10 sks w/ 18'</i>
<i>8:00</i>			<i>7 1/2</i>		<i>5th Plug Rth. 30 sks 60/40 4% gel</i>
					<i>washup + Rack up.</i>
<i>8:45</i>					<i>Job complete Thanks Allen, Mike, Scott</i>



**DIAMOND TESTING**  
 P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: STC/Peters2-8dst1

TIME ON: 12/17/12  
 TIME OFF: 02:30 12/18/12

Company L D DRILLING INC Lease & Well No. PETERS 2-8  
 Contractor PETROMARK RIG #2 Charge to L D DRILLING INC  
 Elevation 1780 K.B Formation ARBUCKLE Effective Pay \_\_\_\_\_ Ft. Ticket No. D1264  
 Date 12/17/12 Sec. 8 Twp. 20 S Range 11 W County BARTON State KANSAS  
 Test Approved By KIM SHOEMAKER Diamond Representative JOHN RIEDL

Formation Test No. 1 Interval Tested from 3295 ft. to 3312 ft. Total Depth 3312 ft.  
 Packer Depth 3290 ft. Size 6 3/4 in. Packer depth 4340 ft. Size 6 3/4 in.  
 Packer Depth 3295 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3298 ft. Recorder Number 30046 Cap. 6000 P.S.I.  
 Bottom Recorder Depth (Outside) 3309 ft. Recorder Number 11017 Cap. 4000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 55 Drill Collar Length 120 ft. I.D. 2 1/4 in.  
 Weight 9 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 7,000 P.P.M. Drill Pipe Length 3153 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 17 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 (4") NO BB  
 2nd Open: FAIR (5") NO BB

Recovered 5 ft. of FREE OIL  
 Recovered 50 ft. of GWM (15%GAS 20%WATER 65%MUD)  
 Recovered 120 ft. of WATER (CHLORIDES 23,000 Ppm)  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL FLUID RECOVERY:175' (120'IN DRILL COLLAR,55' IN DRILL PIPE)</u>	Insurance
	Total

Time Set Packer(s) 10:00 P.M <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 1:00 A.M <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 106

Initial Hydrostatic Pressure..... (A) 1650 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 16 P.S.I. to (C) 56 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 1146 P.S.I.  
 Final Flow Period..... Minutes 45 (E) 60 P.S.I. to (F) 93 P.S.I.  
 Final Closed In Period..... Minutes 60 (G) 1146 P.S.I.  
 Final Hydrostatic Pressure..... (H) 1594 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: KIM SHOEMAKER

Phone: Fax: e-mail:

### Well Information:

Name: PETERS 2-8

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S8/20S/11W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: D1264

Test Unit:

Start Date: 2012/12/17 Start Time: 20:00:00

End Date: 2012/12/18 End Time: 02:30:00

Report Date: 2012/12/18 Prepared By: JOHN RIEDL

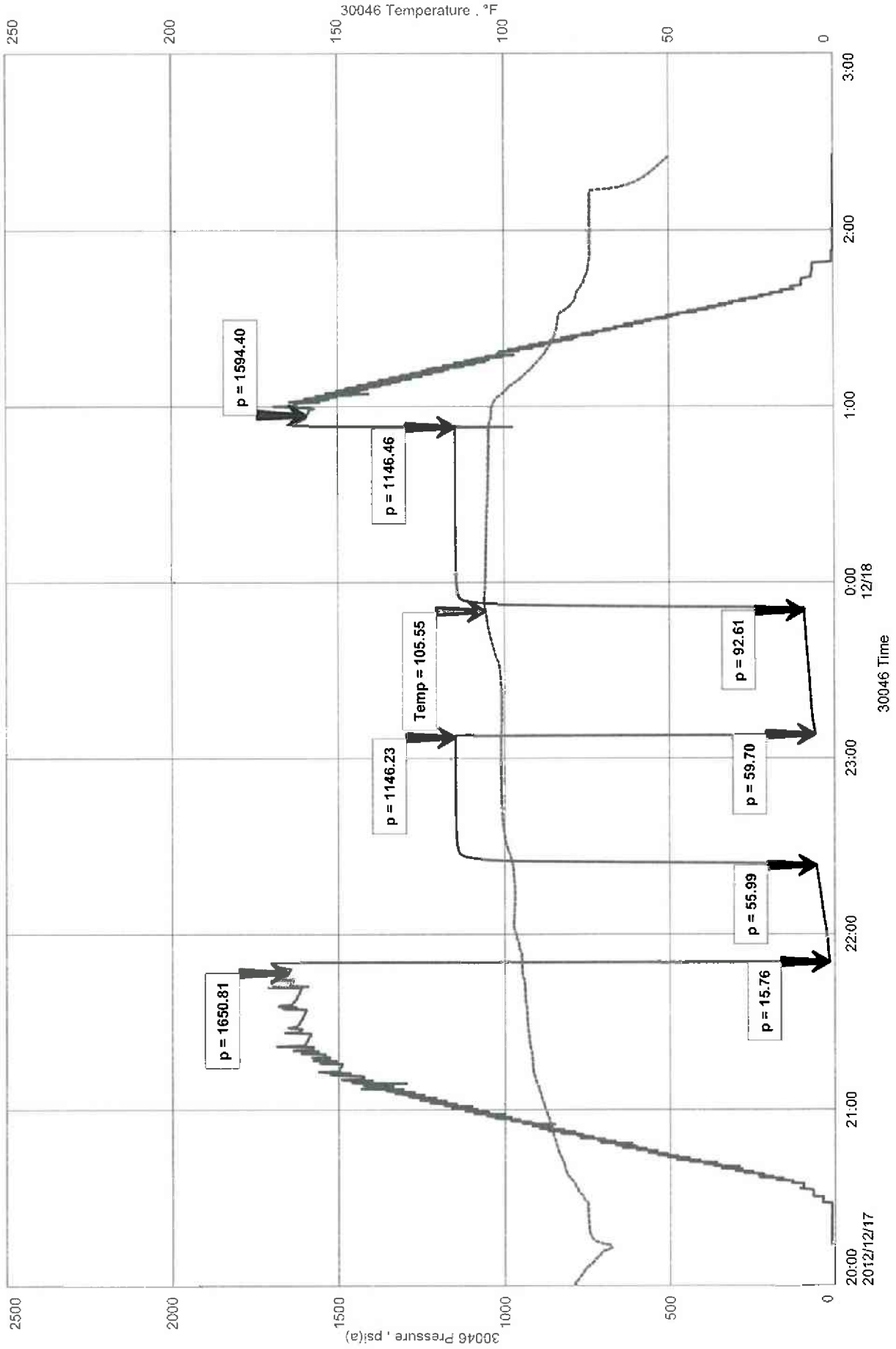
Remarks: Qualified By: KIM SHOEMAKER

RECOVERY: 5' OIL, 50' GASSY WATERY MUD, 120' WATER

L D DRILLING INC  
Start Test Date: 2012/12/17  
Final Test Date: 2012/12/18

PETERS 2-8  
Formation: DST #1 ARBUCKLE  
Job Number: D1264

# PETERS 2-8



# KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 \* WICHITA, KS

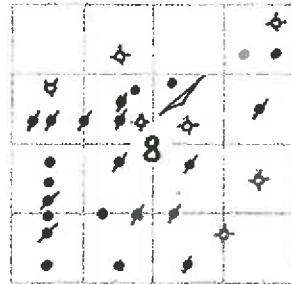
## GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY <u>L. D. DRILLING, Inc.</u>	ELEVATIONS
LEASE <u># 2-8 PETERS</u>	KB <u>1780</u>
FIELD <u>CHASE-SILICA</u>	DF _____
LOCATION <u>SE SE NW</u>	GL <u>1775</u>
SEC <u>8</u> TWP <u>20s</u> RGE <u>11w</u>	Measurements Are All From <u>1780 KB</u>
COUNTY <u>BARTON</u> STATE <u>KANSAS</u>	
CONTRACTOR <u>PETROMARK DRILLING RIG 2</u>	CASING SURFACE <u>8 5/8" @ 426'</u>
SPUD <u>12-13-12</u> COMP <u>12-18-12</u>	PRODUCTION _____
RTD <u>3312</u> LTD _____	ELECTRICAL SURVEYS <u>None</u>
MUD UP <u>2700</u> TYPE MUD <u>CHEMICAL</u>	

SAMPLES SAVED FROM _____	<u>2800</u>	TO	<u>3312</u>
DRILLING TIME KEPT FROM _____	<u>2600</u>	TO	<u>3312</u>
SAMPLES EXAMINED FROM _____	<u>2800</u>	TO	<u>3312</u>
GEOLOGICAL SUPERVISION FROM _____	<u>3000</u>	TO	<u>3312</u>
GEOLOGIST ON WELL <u>KIM B. SHOEMAKER</u>			

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE		521+1259
B/ANH.		539+1241
TOPEKA		2647-867
HEEBNER		2912-1132
BROWN LIME		3038-1258
LANSING		3060-1280
B/KC		3281-1501
ARBUCKLE		3307-1527
RTD		3312-1532



REMARKS:

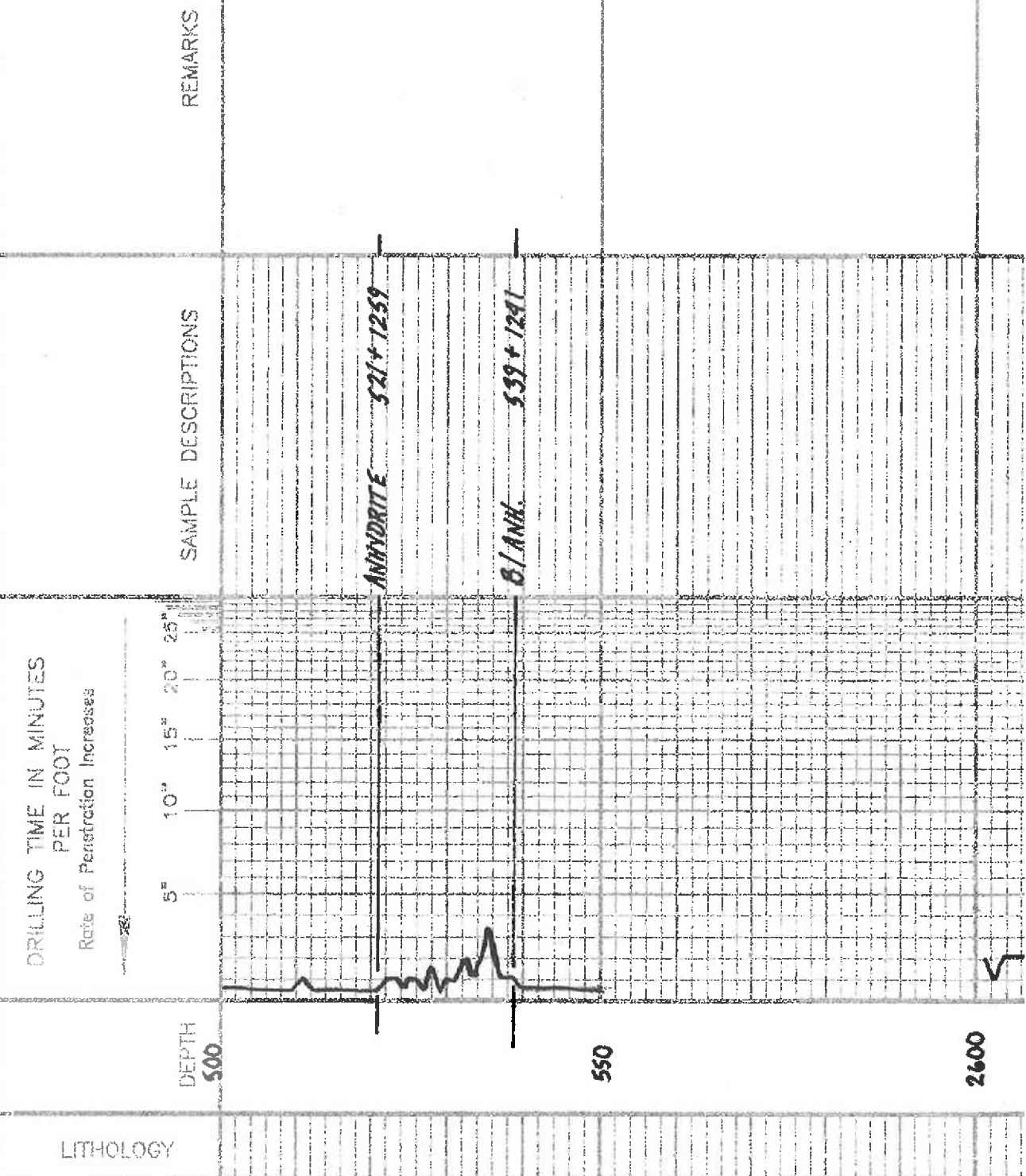
12-13-12 5:00P  
 12-14 @ 431'  
 12-15 @ 1665'  
 12-16 @ 2684'  
 12-17 @ 3245'  
 12-18 @ 3312'

API: 15-009-25795

### LEGEND

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

SHOED1-06



TOPEKA 2647-867

2700

Vis. 68  
wt. 8.3  
wt. 9.6  
Call. 500

2800

Samples acc. Lagged

75. To. Sil. Foss.

Sh. Bck.

15. wt. Sil. Foss. of 4.000 Sil. Foss.

25. wt. Sil. Foss. Sil. Coll.

Sh. G.

14. Sil. Foss.

15. To G. wt. Sil. Foss.

15. To G. Sil. Foss.

15. wt. Sil. Foss. 2000 Sil. Coll.

15. To. Sil. Foss.

2900

HEBNER 2912-1132

35. Bk. Coll.

15. To. Sil. Foss.

Sh. A. Blue. G. Hill.

TORONTO

2900

- 1150

15. wt. Sil. Foss. 1.50  
15. Sil. Foss. 1.50  
15. wt. Sil. Foss. Sil. Coll.

No. 1000

2006215

3000

3100

3200

Sh. Lt. Blue Gr. Silty Sh.  
 Sh. Lt. G. Silty w/ loose Lignite  
 Sh. Lt. G. Silty  
 Sh. Lt. G. Silty  
 Sh. G. Silty  
 Sh. G. Silty  
 Sh. G. Silty

**BROWN LIME 3030-1258**  
 15. Lt. Lt. Bl. VSI. Foss. Sh. Lignite  
 Sh. G. Silty  
 15. DEEP SILTY CLAY  
 DE. R. SILT. T. P. NO. Foss. NO. Foss.

**LANSING 3060-1280**  
 15. Lt. Lt. G. Silty Foss. VSI. Foss.  
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VSI: 56  
 WT: 93  
 WU: 88  
 CUL: 6000

**DST (1) 3295-3312**

1st OPEN: 120' WFR  
 2nd OPEN: 30' WFR

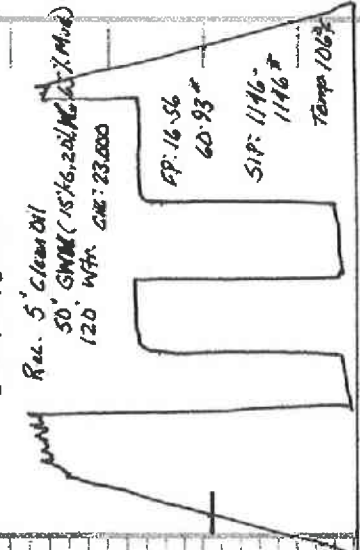
30' WFR  
 30' WFR  
 30' WFR

30' WFR  
 30' WFR  
 30' WFR

30' WFR  
 30' WFR  
 30' WFR

30' WFR  
 30' WFR  
 30' WFR

30-45-15-60



Rec. 5' Clear Oil  
 50' GPM (15' to 20' High) (1 Min)  
 120 WFR. CW: 23,000

LS. 1st St. Pass Chilly

Sh. City - 1st St. Pass

B/KC Sh. 1st St. Pass 3281-1501

LS. 2nd St. Pass - Reinforced

Sh. Rd. La Brea - 6' A Dining FISS

ARBuckle 3307-1527

Del. By Fresh. Soc. Fr. 1st St. Pass 84 Sat. Sep. 60 SFB. 1st St. Pass 84 Sat. Sep. 60

RTD 3312-1532

VIS 55 WT 9.0

YLD 10.1 C/L 7000



3300

Out Door 40 Odor

Out Door 40 Odor