



KANSAS CORPORATION COMMISSION 1082130  
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 Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

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

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

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

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

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

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

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

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

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

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

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

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

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

Multiple Stage Cementing Collar Used?  Yes  No

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

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

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

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

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

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

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

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

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

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

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

**AFFIDAVIT**

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

Submitted Electronically

**KCC Office Use ONLY**

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



1082130

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 (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	SALVINO 3-19
Doc ID	1082130

Tops

Name	Top	Datum
TOPEKA	2845	-897
HEEBNER	3081	-1133
TORONTO	3098	-1150
DOUGLAS	3111	-1163
BROWN LIME	3157	-1209
LANSING	3168	-1220
BASE KANSAS CITY	3374	-1426
ARBUCKLE	3376	-1430

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	SALVINO 3-19
Doc ID	1082130

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Tyep and Percent Additives
SURFACE	12.25	8.625	24	900	A-CON BLEND	200	
SURFACE CONT	12.25	8.625	24	900	COMMON	200	3%CC,1/4 # CeIFlake
PRODUC TION	7.78	5.5	14	3479	COMMON	175	2%Gel,1/4 #CeIFlake
RATHOLE	7.78	5.5	14	3479	60/40 POZMIX	30	



Customer <b>LD DRILLING, INC.</b>	Lease No.	Date <b>2-21-2012</b>
Lease <b>SALVINO</b>	Well # <b>3-19</b>	
Field Order # <b>04641</b>	Station <b>PRATT, KS.</b>	Casing <b>8.5/8"</b>
Type Job <b>CNW-8.5/8" S.P.</b>	Depth	County <b>BARTON</b>
	Formation <b>TD-913'</b>	State <b>Ks.</b>
		Legal Description <b>14-16-13</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<b>4.375"</b>			<b>CMT-</b>	<b>200SK A-CON</b>				
Depth <b>400.89'</b>	Depth	From	To	Pre Pad <b>@2.12 CUFT</b>	Max <b>S.S. = 39.84'</b>		5 Min.	
Volume <b>57.29 BBL</b>	Volume	From	To	Pad <b>200SK COMMON</b>	Min		10 Min.	
Max Press <b>500</b>	Max Press	From	To <b>CMT</b>	Frac <b>@1.20 CUFT</b>	Avg		15 Min.	
Well Connection <b>P.C.</b>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <b>846.05'</b>	Packer Depth	From	To	Flush <b>54.7 BBL H<sub>2</sub>O</b>	-Gas Volume		Total Load	

Customer Representative **LD DAVIS** Station Manager **D. SCOTT** Treater **K. LESLEY**

Service Units	<b>37586</b>	<b>19889</b>	<b>17843</b>	<b>19960</b>	<b>19918</b>				
Driver Names	<b>LESLEY</b>	<b>MARQUEZ</b>	<b>---</b>	<b>YOUNG</b>	<b>---</b>				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:00 AM					ON LOCATION - SAFETY MEETING
8:15 AM					SPOT TRUCKS ON LOCATION
9:30 AM					RUN 22 JTS. 8.5/8" x 24# CSG.
10:35 AM					CSG. ON BOTTOM
10:40 AM					HOOKUP TO CSG. / BREAK CIRC. W/ RIG
11:04 AM	300		5	6	H <sub>2</sub> O AHEAD
11:05 AM	300		75.5	6	MIX 200 SKS A-CON @ 12.6 PPG
11:23 AM	100		42.5	6	MIX 200 SKS COMMON @ 15.6 PPG
11:30 AM					SHUT DOWN - RELEASE TOP RUB. PLUG
11:31 AM	0		0	4	START DISPLACEMENT
11:42 AM	300		45	3	SLOW RATE
11:45 AM	500		54.7	3	PLUG DOWN - CLOSE IN AT HEAD
					CIRC. THRU JOB
					CIRC. 5 BBL TO PIT
					JOB COMPLETE,
					THANKS -
					KEVEN LESLEY



**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 05243 A

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

DATE OF JOB <u>2-25-12</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.A. Drilling Inc.</u>		LEASE <u>Salvina #3-19</u>		WELL NO.						
ADDRESS		COUNTY <u>Barton 19-16-13</u>		STATE <u>Kansas</u>						
CITY		STATE		SERVICE CREW <u>Allen, Joe Justin Bowers</u>						
AUTHORIZED BY		JOB TYPE: <u>5 1/2" L.S.</u>		DATE <u>2-25-12</u>						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
<u>28443 P.V.</u>	<u>2</u>						<u>2-25-12</u>			<u>800</u>
<u>33708-20920</u>	<u>2</u>						<u>2-25-12</u>			<u>1700</u>
<u>19831 19862</u>	<u>2</u>						<u>2-25-12</u>			<u>3000</u>
							<u>2-25-12</u>			<u>500</u>
							<u>2-25-12</u>			<u>2600</u>
										<u>75 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
CP100C	Common cement	SK	175		\$ 2800.00
CP103	60/40 Poz	SK	30		\$ 360.00
CC102	cell Flake	lb	44		\$ 162.80
CC112	cement Friction Reducer	lb	50		\$ 300.00
CC113	Gypsum	lb	825		\$ 618.75
CC129	F/A-322	lb	50		\$ 375.00
CC200	Cement Gel	lb	330		\$ 82.50
CF103	Top Rubber cement Plug 5 1/2"	EA	1		\$ 105.00
CF1251	Guide Shoe Reg 5 1/2" Blue	EA	1		\$ 250.00
CF1451	Flapper Type Insect Float Valve	EA	1		\$ 215.00
CF1651	Turbolizer 5 1/2" Blue	EA	6		\$ 660.00
CC151	Mud Flush	BALE	1000		\$ 860.00
E100	Unit mileage charge Pickup	mi	75		\$ 318.75
E101	Heavy Equip. mileage	mi	150		\$ 1050.00
E117	Bulk Delivery chg	TM	7.6		\$ 1146.00
CF204	Depth Charge 3001-4000'	4-hr	1		\$ 2160.00
CF240	Blending + mixing Service chg	SKS	208		\$ 287.00
CF504	Plug container Identification chg	Job	1		\$ 250.00
S003	Service Supervisor First 8hrs	EA	1		\$ 175.00
SUB TOTAL					<u>DLS \$9,618.88</u>

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE <u>Allen Wood</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>Jim Nichols</u> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
FIELD SERVICE ORDER NO. _____	

Customer <b>L.D. Drilling, Inc</b>	Lease No.	Date <b>2-25-12</b>
Lease <b>SALVINO 3-19</b>	Well # <b>3-19</b>	
Field Order # <b>MS243A</b>	Station <b>Pratt</b>	Casing <b>5 1/2"</b>
Type Job <b>5 1/2" Long String</b>	Depth <b>3476</b>	County <b>Barton</b>
	Formation <b>CBT 3479</b>	State <b>KS</b>
		Legal Description <b>19-16-13</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size "	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2"				24 BBL mud Flush				
Depth 3476	Depth	From	To	Pre Pad	Max		5 Min.	
Volume 84 1/2	Volume	From	To	Pad	Min		10 Min.	
Max Press 1000	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 3461.55	Packer Depth	From	To	Flush Disp H2O	Gas Volume		Total Load	

Customer Representative <b>Tim TP</b>	Station Manager <b>scotty</b>	Treater <b>Allen</b>
Service Units 28843 33708 20920 19831 19862		
Driver Names <b>Allen Joe Melson Justin Bowen</b>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1200 pm					on Loc. Discuss Safety, setup Plan Job.
140					Start 5 1/2" csg. 14 # S.J. 14.15
					w/ Reg. Guide shoe, Auto Fill inser
					in collar - cent - 1-3-5-7-9-11
300					Trng Bottom @ 3479 set @ 3476
					C.R. w/ Rig Good C.R.
345	200		24	5	Pump 1000 gal mud Flush
	5		5	5	Pump 5 BBL H2O spacer
				5	mix + Pump 175 sk com @ 14.7 #
			44 1/2		Finish mix, wash out Pump Line
				5 1/2	Drop Top Rubber Plug 5 1/2" Start. Disp
445	500			4	caught Lift 58 BBL out
	1000		84 1/2	3 1/2	Plug down
	0				Release PSI 0 #
500			7		Plug RAT Hole w/ 30 sks 60/40 Poz
					wash up + Rack up Equip.
600					Job complete
					thanks Allen Joe Justin B.



Company	<b>L.D. Drilling, Inc.</b>	Lease Name	<b>Salvino</b>	
Address	<b>7 SW 26th Avenue</b>	Lease #	<b>3-19</b>	
CSZ	<b>Great Bend, KS 67530</b>	Legal Desc	<b>NW SE NE SW</b>	Job Ticket <b>3464</b>
Attn.	<b>Josh Austin</b>	Section	<b>19</b>	Range <b>13W</b>
		Township	<b>16S</b>	
		County	<b>Barton</b>	State <b>KS</b>
		Drilling Cont	<b>Petromark Drilling #2</b>	

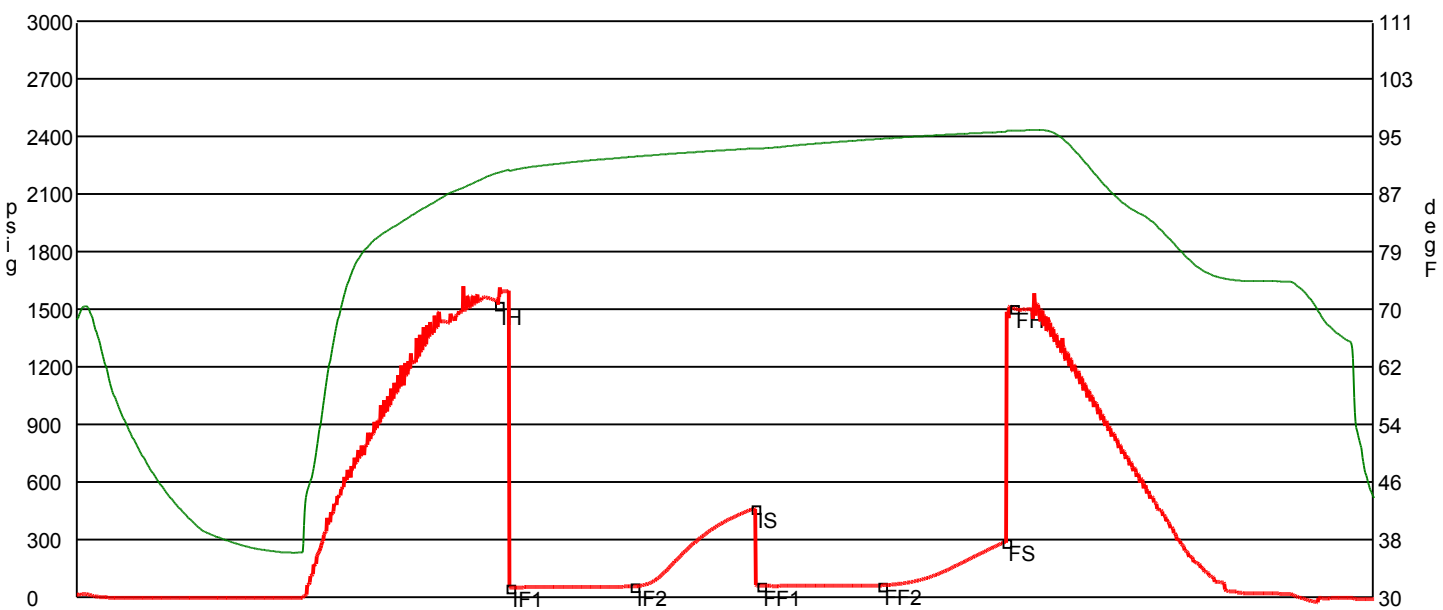
Comments **Field: Trapp**

**GENERAL INFORMATION**

Test # 1	Test Date	<b>2/23/2012</b>	Chokes	<b>3/4</b>	Hole Size	<b>7 7/8</b>
Tester	<b>Jimmy Ricketts</b>		Top Recorder #	<b>13767</b>		
Test Type	<b>Conventional Bottom Hole</b>		Mid Recorder #			
	<b>Successful Test</b>		Bott Recorder #	<b>w1022</b>		
# of Packers	<b>2.0</b>	Packer Size	<b>6 3/4</b>	Mileage	<b>60</b>	Approved By
				Standby Time	<b>0</b>	
Mud Type	<b>Gel Chem</b>			Extra Equipmnt	<b>None</b>	
Mud Weight	<b>8.8</b>	Viscosity	<b>51.0</b>	Time on Site	<b>9:30 PM</b>	
Filtrate	<b>8.6</b>	Chlorides	<b>1800</b>	Tool Picked Up	<b>10:30 PM</b>	
				Tool Layed Dwn	<b>3:15 AM</b>	
Drill Collar Len	<b>119.0</b>			Elevation	<b>1943.00</b>	Kelley Bushings <b>1948.00</b>
Wght Pipe Len	<b>0</b>					
Formation	<b>Lansing A-G</b>			Start Date/Time	<b>2/23/2012 10:15 PM</b>	
Interval Top	<b>3162.0</b>	Bottom	<b>3255.0</b>	End Date/Time	<b>2/24/2012 3:28 AM</b>	
Anchor Len Below	<b>93.0</b>	Between	<b>0</b>			
Total Depth	<b>3255.0</b>					
Blow Type	<b>Weak blow building to 1 1/4 inches initial flow period. Weak blow building to 1/2 inch final flow period. Times: 30, 30, 30, 30.</b>					

**RECOVERY**

Feet	Description	Gas	Oil	Water	Mud
30	Slight oil cut mud	0% 0ft	1% 0.3ft	0% 0ft	99% 29.7ft
DST Fluids	<b>0</b>				



	Date	Time	Pressure	Temp	
IH	2/23/2012 11:56:00 PM	1.683333	1523.348	89.721	Initial Hydro-static
IF1	2/23/2012 11:58:50 PM	1.730556	51.219	90.007	Initial Flow (1)
IF2	2/24/2012 12:29:00 AM	2.233333	57.117	91.986	Initial Flow (2)
IS	2/24/2012 12:58:20 AM	2.722222	463.44	93.146	Initial Shut-In
FF1	2/24/2012 12:59:40 AM	2.744444	61.039	93.137	Final Flow (1)
FF2	2/24/2012 1:29:00 AM	3.233333	62.969	94.502	Final Flow (2)
FS	2/24/2012 1:59:10 AM	3.736111	288.931	95.474	Final Shut-In
FH	2/24/2012 2:01:00 AM	3.766667	1507.755	95.661	Final Hydro-static

**GAS FLOWS**

Min Into IFP   Min Into FFP   Gas Flows   Pressure   Choke

Company	<b>L.D. Drilling, Inc.</b>	Lease Name	<b>Salvino</b>	
Address	<b>7 SW 26th Avenue</b>	Lease #	<b>3-19</b>	
CSZ	<b>Great Bend, KS 67530</b>	Legal Desc	<b>NW SE NE SW</b>	Job Ticket <b>3464</b>
Attn.	<b>Josh Austin</b>	Section	<b>19</b>	Range <b>13W</b>
		Township	<b>16S</b>	
		County	<b>Barton</b>	State <b>KS</b>
		Drilling Cont	<b>Petromark Drilling #2</b>	

Comments **Field: Trapp**

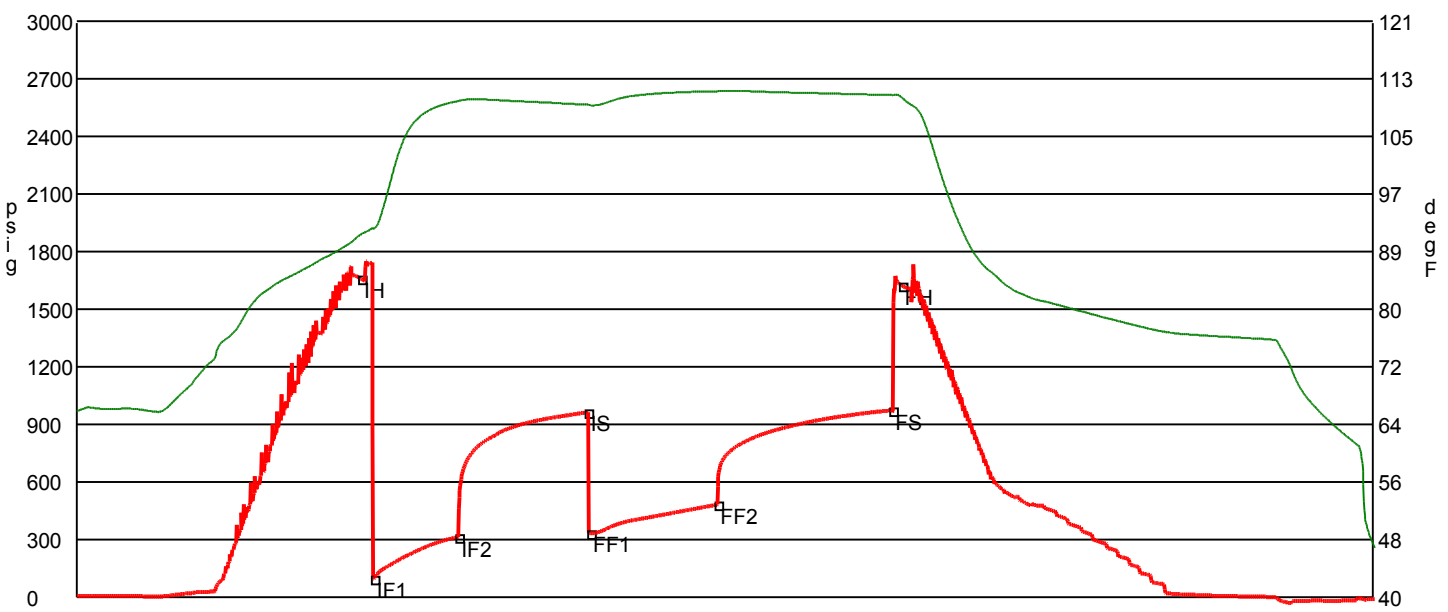
**GENERAL INFORMATION**

Test # <b>2</b>	Test Date <b>2/24/2012</b>	Chokes <b>3/4</b>	Hole Size <b>7 7/8</b>
Tester <b>Jimmy Ricketts</b>		Top Recorder # <b>13767</b>	
Test Type <b>Conventional Bottom Hole Successful Test</b>		Mid Recorder #	
		Bott Recorder # <b>w1022</b>	
# of Packers <b>2.0</b>	Packer Size <b>6 3/4</b>	Mileage <b>22</b>	Approved By
		Standby Time <b>0</b>	
Mud Type <b>Gel Chem</b>		Extra Equipmnt <b>None</b>	
Mud Weight <b>9.3</b>	Viscosity <b>56.0</b>	Time on Site <b>2:45 PM</b>	
Filtrate <b>8.8</b>	Chlorides <b>5000</b>	Tool Picked Up <b>3:10 PM</b>	
		Tool Layed Dwn <b>9:40 PM</b>	
Drill Collar Len <b>119.0</b>		Elevation <b>1943.00</b>	Kelley Bushings <b>1948.00</b>
Wght Pipe Len <b>0</b>			
Formation <b>Arbuckle</b>		Start Date/Time <b>2/24/2012 2:55 PM</b>	
Interval Top <b>3372.0</b>	Bottom <b>3400.0</b>	End Date/Time <b>2/24/2012 10:23 PM</b>	
Anchor Len Below <b>28.0</b>	Between <b>0</b>		
Total Depth <b>3400.0</b>			
Blow Type <b>Weak blow building to strong blow 3 minutes into initial flow period. 1/2 inch blow back during initial shut-in period. Weak blow building to strong blow 9 minutes into final flow period. 1 inch blow back during final shut-in period. Times: 30, 45 45, 60. API gravity of oil was 40.</b>			

**RECOVERY**

Feet	Description	Gas	Oil	Water	Mud
100	Gas in pipe	100% 100ft	0% 0ft	0% 0ft	0% 0ft
220	Clean oil	0% 0ft	100% 220ft	0% 0ft	0% 0ft
315	Gassy mud and heavy water cut oil	9% 28.4ft	63% 198.5ft	20% 63ft	8% 25.2ft
685	Oil and mud cut water	0% 0ft	6% 41.1ft	82% 561.7ft	12% 82.2ft

DST Fluids **19000**



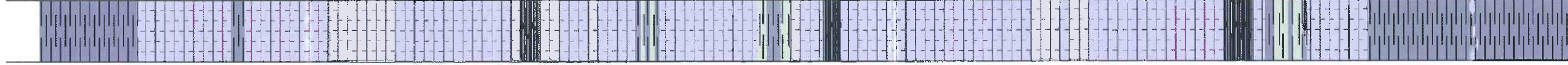
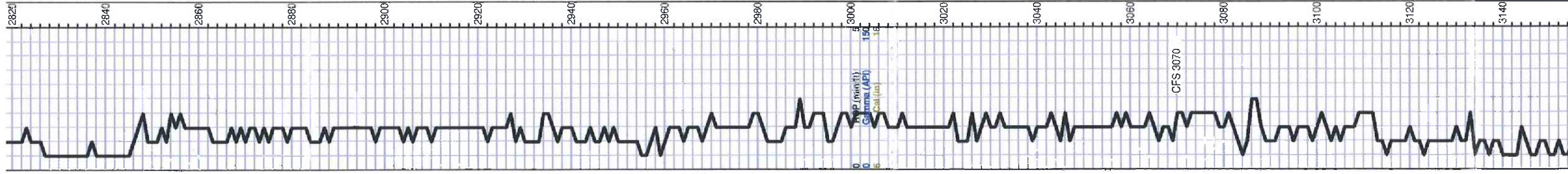
	Date	Time	Pressure	Temp	
IH	2/24/2012 4:32:20 PM	1.622222	1660.633	91.057	Initial Hydro-static
IF1	2/24/2012 4:36:50 PM	1.697222	99.061	91.862	Initial Flow (1)
IF2	2/24/2012 5:06:10 PM	2.186111	314.844	109.81	Initial Flow (2)
IS	2/24/2012 5:51:00 PM	2.933333	965.04	109.322	Initial Shut-In
FF1	2/24/2012 5:51:50 PM	2.947222	335.563	109.212	Final Flow (1)
FF2	2/24/2012 6:36:00 PM	3.683333	483.727	111.182	Final Flow (2)
FS	2/24/2012 7:36:30 PM	4.691667	975.513	110.65	Final Shut-In
FH	2/24/2012 7:40:00 PM	4.75	1624.6	110.274	Final Hydro-static

**GAS FLOWS**

Min Into IFP   Min Into FFP   Gas Flows   Pressure   Choke



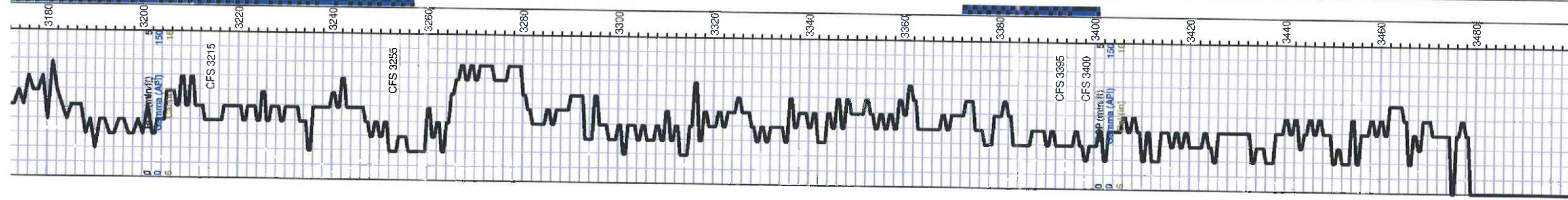




Shale; grey-greyish green, soft, silty in part, few micaceous pieces	
<b>TOPEKA 2846 (-898)</b>	
Limestone; grey-cream, fine xln, chalky in part, poor visible porosity, cherty, no shows	
grey shale	
Limestone; grey, fine-medium xln, slightly chalky, fossiliferous, poor porosity, cherty in part	
Limestone; cream-tan, fossiliferous, dense, slightly granular in part, plus grey boney Chert	
Limestone; cream-grey, fine-medium xln, chalky, sparry calcite in porosity, fossiliferous, few loose fossils, no shows	
black carboniferous shale	
Limestone; grey-cream, fine xln, chalky, fossiliferous/oolitic, poor visible porosity, no shows, plus white chalk	
Shale; grey-green	
Limestone; cream, fine xln, chalky in part, dense, cherty, few fossiliferous pieces, N/S	
Shale; grey-green	
Limestone; cream, chalky, mottled in part	
black carboniferous shale	
Limestone; cream-tan-buff, fine xln, dense, poor visible porosity, slightly cherty, no shows	
Limestone; cream, fossiliferous, slightly granular, poorly developed porosity, ??? brown stain, no show of free oil, no odor	
Limestone; cream-grey, fine xln, chalky, slightly fossiliferous, granular in part, no shows	
Limestone; cream-tan, fine xln, dense, chalky in part, poor visible porosity, no shows	
<b>HEEBNER 3082 (-1134)</b>	
Black Carboniferous Shale	
Grey-green shale	
<b>TORONTO 3097 (-1149)</b>	
Limestone; cream, fine xln, chalky, few fossiliferous pieces, trace pinpoint type porosity	
<b>DOUGLAS 3112 (-1164)</b>	
Shale; grey-greyish green-maroon	
Shale; grey-greyish green, micaceous in part, few silty pieces	
Shale; as above	
<b>BROWN I ME 3153 (-1210)</b>	

Total Gas (units) 100  
 G1 (units) 100  
 G2 (units) 100  
 G3 (units) 100  
 G4 (units) 100

KB 1948



chalky, few scattered oolitic-fossil cast type porosity, golden brown-brown stain, trace spotty free oil, very faint odor

Limestone; cream, fine xln, chalky, trace sub oomoldic type porosity, sparry calcite, few fossils, no shows, plus white chalk

Limestone; cream-tan, fine xln, dense slightly chert, poor visible porosity no shows

grey-maroon shale

Limestone; cream-grey, chalky, slightly fossiliferous, oolitic in part, sparry calcite cementing, trace inter xln porosity, golden brown stain, trace free oil, ??? odor

Limestone; cream, oomoldic, fair-good oomoldic porosity, brown stain, show of free oil, faint odor

Limestone; cream-tan, slightly fossiliferous, few oolitic pieces, dense, chalky in part, poor visible porosity, no shows, trace tan boney chert

Limestone as above

black carboniferous shale, plus grey shale

Limestone; cream-tan, fine xln, chalky, dense, slightly fossiliferous, poorly developed porosity, no shows

Limestone; cream, fine xln, fossiliferous, few scattered porosity, sparry calcite in part, no shows, abundant uphole caving

Limestone; cream-white, fine xln, chalky, few sub oomoldic type porosity (barren)

Trace black carboniferous shale plus variety of colored shale

Limestone; buff-cream, fine xln, dense slightly cherty, poor visible porosity

**BASE KANSAS CITY 3374 (-1426)**  
black carboniferous shale, plus grey-green shale

Very Poor Samples 95% shale

**ARBuckle 3386 (-1438)**  
Dolomite; cream, fine xln, sucrosic in part, fair inter xln porosity, golden brown stain, show of free oil, faint-fair odor

Dolomite; cream-grey, fine-medium xln, dense, poor visible porosity no shows

Dolomite; cream-tan, fine-medium xln, few inter xln type porosity, no shows, slightly cherty

Dolomite as above, slightly sucrosic in part, N/S

Dolomite; buff-tan, fine xln, few finely oolitic pieces, dense, poor porosity, cherty in part, plus white boney chert, no shows

Dolomite and Chert as above no shows

**ROTARY TOTAL DEPTH 3478 (-1530)**

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

DST #1 3162-3255  
30-30-30-30  
Blow; weak built to 1 1/2"  
Recovery;  
30' slightly oil cut mud  
Pressure;  
ISIP 463  
FSIP 288  
IFP 51-57  
FFP 61-62  
HSH 1523-1507

DST #2 3372-3400  
30-45-45-60  
Blow; BOB in 3 min  
weak blow back  
Final BOB in 9 min  
1" blow back  
Recovery;  
100' GIP  
220' CO  
315' GMWCO  
(9%g 63%o 20%w 8%fm)  
685' OMCW  
(6%o 82%w 12%fm)  
Pressures;  
ISIP 965  
FSIP 975  
IFP 99-314  
FFP 335-483  
HSH 1660-1624