



KANSAS CORPORATION COMMISSION 1073387
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 # 30141
Name: Summit Drilling Company
Wellsite Geologist: GEORGE PETERSEN
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 #:

12/12/2011	12/21/2011	12/21/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-197-20295-00-00
Spot Description:
NE SE NE Sec. 4 Twp. 13 S. R. 13 East West
1650 Feet from North / South Line of Section
330 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Wabaunsee
Lease Name: PHILLIP WENDLAND Well #: 1
Field Name: FOREST CITY COAL GAS AREA

Producing Formation: NA
Elevation: Ground: 1031 Kelly Bushing: 1041
Total Depth: 3026 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 335 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: 1100 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 Garrison Date: 02/06/2012



1073387

Operator Name: L. D. Drilling, Inc. Lease Name: PHILLIP WENDLAND Well #: 1
 Sec. 4 Twp. 13 S. R. 13 East West County: Wabaunsee

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 Wireline 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	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border: none;"> <tr> <td style="width:33%; border: none;">Name Attached</td> <td style="width:33%; border: none;">Top Attached</td> <td style="width:33%; border: none;">Datum Attached</td> </tr> </table>	Name Attached	Top Attached	Datum Attached
Name Attached	Top Attached	Datum Attached		

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	12.25	8.625	23	335	CLASS A	185	3%CC, 2%Gel, 1/4#FS

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: <input type="checkbox"/> Yes <input 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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

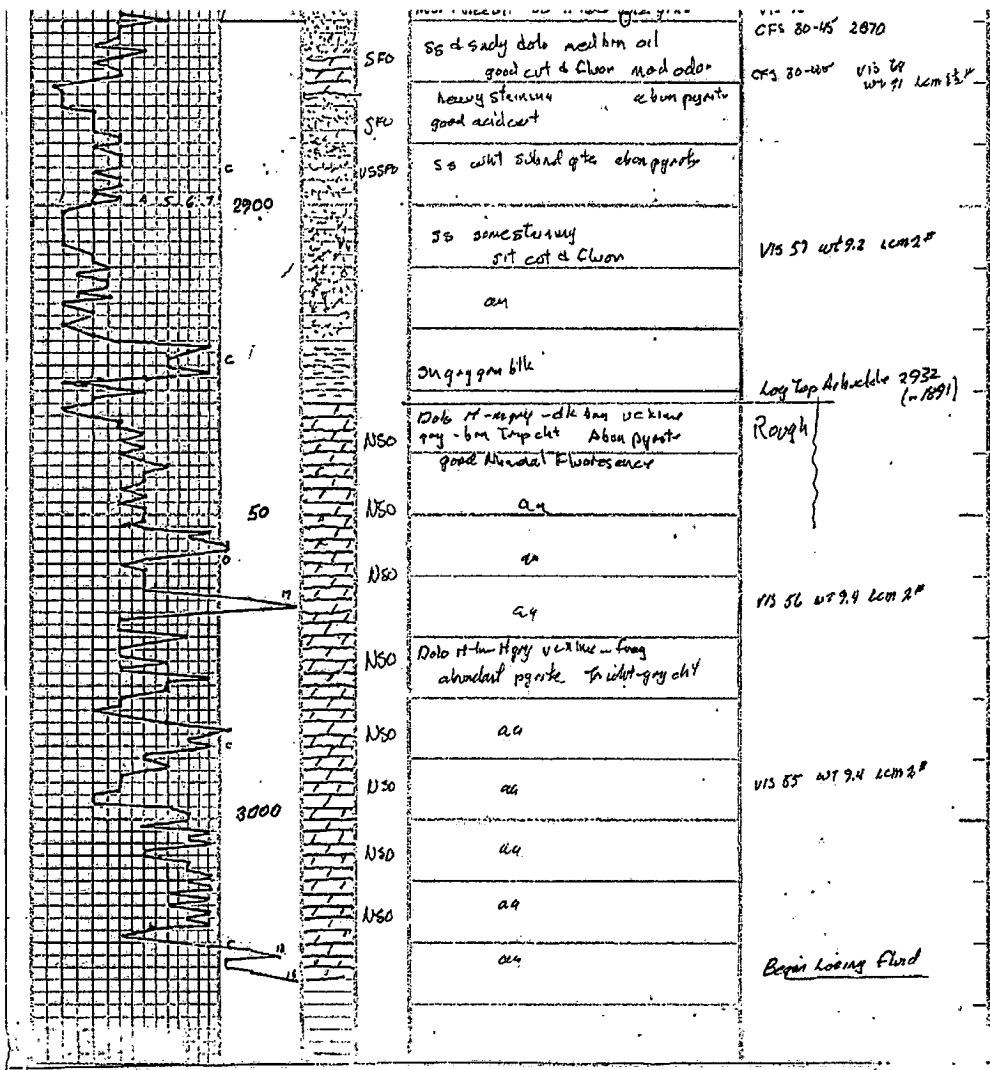
DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	PHILLIP WENDLAND 1
Doc ID	1073387

Tops

Name	Top	Datum
LANSING	974	+67
BASE KANSAS CITY	1320	-279
ALTAMONT	1448	-407
CHEROKEE	156	-519
MISSISSIPPI	2078	-1037
KINDERHOOK	2415	-1374
HUNTON	2575	-1534
MAQUOKETA	268	-1644
VIOLA	2760	-1719
SIMPSON GD	2858	-1817
SIMPSON SHALE	2882	-1841
ARBUCKLE	2932	-1891

DEPTH	OIL SHOWS	SAMPLE DESCRIPTIONS	REMARKS
2050	NSU	Ss m-grad cut ad	All measurement from 10' KB
		sh dk gray blk pyrite	
		sh au	
		sh vcl. m. ls abn. wht trap ch't	
		at	
		Abn wht trap ch't Trss	
		Bn vcl. m. ls	
2100		LS lt-bn m. vcl. lime-frag. fossil pyrite abn wht ch't Tr Blk ch't	
		aa	
		Lo vuggy	VIS 40 wt 9.3 Lcm 2#
		aa	
		aa	
50		LS Hth-qbn vuggy ch't au pyrite	Rough
		aa	
		aa	good visible
		aa	
		aa	
2200		LS aa ch't au	
		aa	Rough
		LS au + sk lam saec dol	Rough
		LS aa	Rough
		Lo aa	
2250		Dolo m lam saec	
		LS lt-m m abundant wht ch't	
		LS wht-lto abundant ch't	VIS 36 wt 9.3 Jot 102 Lcm 1#
		aa	VIS 41 sca 3#
		aa	
		aa	
2300		aa	
		aa	VIS 41 wt 9.1 Lcm 3#
		aa	
		aa	
		LS vcl. m. frag fossil abundant pyrite	
		aa	
		aa	
50		aa	VIS 37 wt 9.1 Lcm 2#
		LS lt-m m vcl. m	



COMPANY SUMMIT DRILLING INC LOCATION NE SE NE
 LEASE P Woodland IP _____ SEC 4 TWP 13 S RING 13E
 ELEVATION 1031 OR 1041 RB RTD 3026 COUNTY Wabunser STATE KS

Company **L.D. Drilling, Inc.**
 Address **7 SW 26th Ave.**
 CSZ **Great Bend, KS 67530**
 Attn. **George Peterson**

Lease Name **Philip Wendland**
 Lease # **1**
 Legal Desc **NE-SE-NE** Job Ticket **2179**
 Section **4** Range **13E**
 Township **13S**
 County **Wabaunsee** State **KS**
 Drilling Cont **Summit Drilling Co. Rig #1**

Comments **Field: Forest City Coal Gas Area**

GENERAL INFORMATION

Test # 1 Test Date **12/20/2011**
 Tester **Tim Venters**
 Test Type **Conventional Bottom Hole**
Successful Test
 # of Packers **2.0** Packer Size **6 3/4**
 Mud Type **Gel Chem**
 Mud Weight **9.3** Viscosity **65.0**
 Filtrate **8.4** Chlorides **1100**

Chokes **3/4** Hole Size **7 7/8**
 Top Recorder # **W1119**
 Mid Recorder # **W1023**
 Bott Recorder # **13310**

Drill Collar Len **376.0**
 Wght Pipe Len **0**

Mileage **500** Approved By
 Standby Time **0**
 Extra Equipmnt **Jars & Safety joint**
 Time on Site **4:10 PM**
 Tool Picked Up **10:00 PM**
 Tool Layed Dwn **9:00 AM**
 Elevation **1032.00** Kelley Bushings **1042.00**

Formation **Simpson**
 Interval Top **2830.0** Bottom **2870.0**
 Anchor Len Below **40.0** Between **0**
 Total Depth **2870.0**

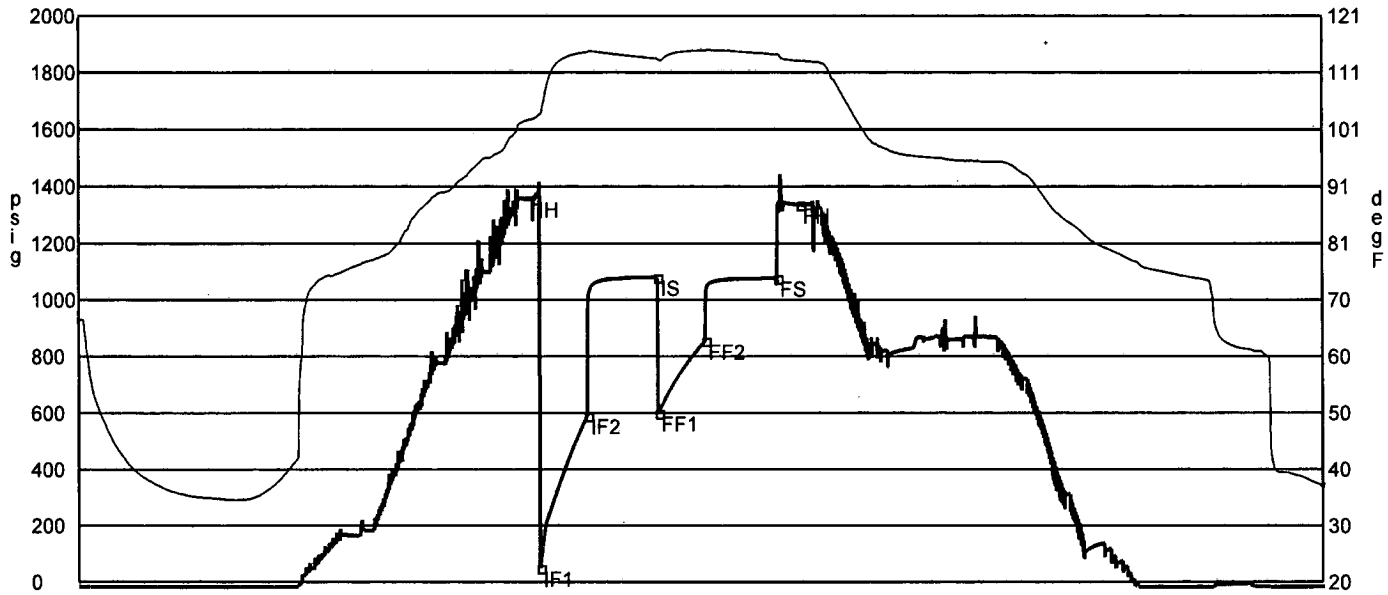
Start Date/Time **12/19/2011 7:56 PM**
 End Date/Time **12/20/2011 9:06 AM**

Blow Type **Strong blow throughout the intial flow period, reaching the bottom of the bucket in 2 minutes. Strong blow throughout the final flow period, reaching the botto m of the bucket in 2 1/2 minutes. During both flow periods, I had my 2 inch flow valve open about 1/4 inch and it still blew off bottom of the bucket. Times: 3 0, 45, 30, 45.**

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
130	Water cut mud	0% 0ft	0% 0ft	35% 45.5ft	65% 84.5ft
285	Mud cut water	0% 0ft	0% 0ft	63% 179.6ft	37% 105.4ft
1450	Slight mud cut water	0% 0ft	0% 0ft	91% 1319.5ft	9% 130.5ft
30	Heavy mud cut water	0% 0ft	0% 0ft	55% 16.5ft	45% 13.5ft
30	Slight water cut mud	0% 0ft	0% 0ft	7% 2.1ft	93% 27.9ft

DST Fluids **46000**



	Date	Time	Pressure	Temp	
IH	12/20/2011 12:44:40 AM	4.811111	1358.17	102.854	Initial Hydro-static
IF1	12/20/2011 12:47:30 AM	4.858333	50.21	103.431	Initial Flow (1)
IF2	12/20/2011 1:18:00 AM	5.366667	590.77	114.545	Initial Flow (2)
IS	12/20/2011 2:02:30 AM	6.108333	1081.038	113.446	Initial Shut-In
FF1	12/20/2011 2:03:10 AM	6.119444	600.828	113.321	Final Flow (1)
FF2	12/20/2011 2:33:10 AM	6.619444	855.622	114.879	Final Flow (2)
FS	12/20/2011 3:18:30 AM	7.375	1077.468	114.138	Final Shut-In
FH	12/20/2011 3:33:00 AM	7.616667	1336.224	113.006	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke