



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: _____



1073387

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Commingled <i>(Submit ACO-4)</i>	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



CONSOLIDATED
Oil Well Services, LLC

ENTERED

TICKET NUMBER 33478
LOCATION Eureka
FOREMAN Rick Ledford

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

APZ # 15-197-20295

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12/13/11	4979	Phillip Woodland	4	13	13E	Waub.
CUSTOMER L.O. Drilling Inc.			Surmont Oris			
MAILING ADDRESS 7 SW 26th Ave			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY Great Bend			520	John		
STATE KS			cell	Chris B.		
ZIP CODE 67530						

JOB TYPE surface 0 HOLE SIZE 1 7/8" HOLE DEPTH 340' CASING SIZE & WEIGHT 8 5/8"
 CASING DEPTH 338' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15" SLURRY VOL 45 BW WATER gal/sk 6.5 CEMENT LEFT in CASING 20'
 DISPLACEMENT 20 1/4 Bbl DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting - Rig up to 8 5/8" casing. Break circulation w/ 10 Bbl fresh water. Mixed 185 sks class A cement w/ 3% cacl2, 2% gal + 4" floccle/sk @ 15"/gal. shut down, release 8 5/8" wooden plug. Displace w/ 20 1/4 Bbls fresh water. Shut casing in w/good cement returns to surface = 8 Bbl slurry to pit. Job complete. Rig down.

"Thank You"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54013	1	PUMP CHARGE	825.00	825.00
5406	65	MILEAGE	4.00	260.00
11043	185 sks	class A cement	14.95	2765.75
1102	520*	3% cacl2	.74	384.80
1118B	350*	2% gal	.21	73.50
1107	46*	4" floccle/sk	2.35	108.10
54023	8.7	ten mileage bulk trk	1.34	757.77
4432	1	8 5/8" wooden plug	80.00	80.00
			subtotal	5254.92
			7.8% SALES TAX	266.15
			ESTIMATED TOTAL	5521.07

Revin 3737

AUTHORIZATION

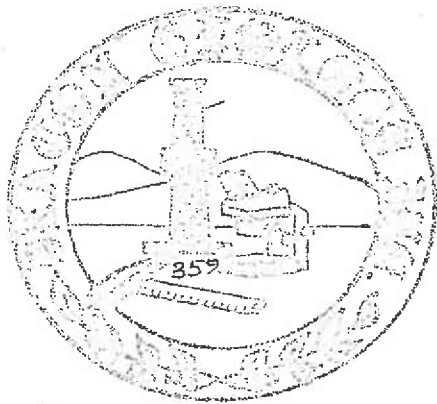
Dan Gf

TITLE

04161616

DATE

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



George E. Petersen c.p.g.
consulting geologist

3223 McClure Rd
Topska, Kansas 66614
(785) 272-4383

GEOLOGIST'S LOG

9/11

COMPANY: L. O. DRILLING, INC.
 WELL NAME: PHILLIP WENDLAND #1
 LOCATION: NE 1/4 SE 1/4 NE 1/4 1650 FNL, 330 FEL
 SEC. 4 T. 13 S. R. 13 E.
 COUNTY: Wabaunsee, STATE: Kansas
 ELEVATION: 982.25
 API #: 15-197-20295
 FIELD: W/C
 CONTRACTOR: Summit Drilling Inc
 GEOLOGIST: George E Petersen
 SPUD DATE: 12/12/11 COMP. DATE: 12/21/2011
 SAMPLES SAVED FROM: 2100 TO: TD
 SAMPLES EXAMINED FROM: 2100 TO: TD
 STD: 3026 LTD: 3036
 CORES: N/A
 OPEN HOLE LOGS: CNL/CDL BHCS DIL
 SURFACE CASING SET: 528' 8 7/8 PROD. CASING SET:
 GEOLOGICAL SUPERVISION FROM: Surf TO: TD
 COMMENTS: All measurements from KB
Recommend to plug after neg DST results & No slab in Arb.



FORMATION	SAMPLE TOP	ELECTRODATUM		REF WELLS			
		LOG TOP		A	B	C	D
LAUSING		974	167	169			
B/KC		1320	-279	-286			
Attamont		1448	-407	-410			
Cherokee		1560	-519	-526			
Miss		2078	-1037	-1028			
Kinderhook		2415	-1374	-1378			
Hutton	2571	2575	-1534	-1538			
Maguoketo	2676	2685	-1644	-1648			
Viola	2756	2760	-1719	-1722			
Simp 6p	2856	2858	-1817	-1816			
Simp 5d		2883	-1841				
Arbuckle	2928	2932	-1891	-1894			

REFERENCE WELL FOR STRUCTURE:
 A Andrew Wendland #1 SE NE NE 1/4 135 13E
 B _____
 C _____
 D _____

DRILL STEM TESTS						
NO	INT.	IFP	ISIP	FFP	FSIP	RECOVERY
1	2830 2870	50.21 590	1081	855	1077.468	1925' mud & water

LEGEND

- Sandstone
- Shale
- Limestone
- Chert
- Dolomite
- Coal

SCALE 1" = 100'

REMARKS

Sample Descriptions

LITHOLOGY

DEPTH

OIL SHOWS

DRILLING TIME IN MINUTES PER FOOT Plus or Minus Interval

2050

1 2 3 4 5 6 7

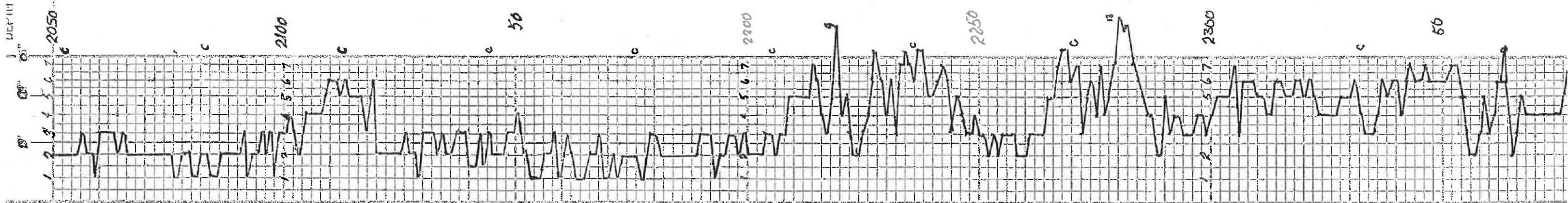
100 7713

REMARKS: All measurement from #1 KB

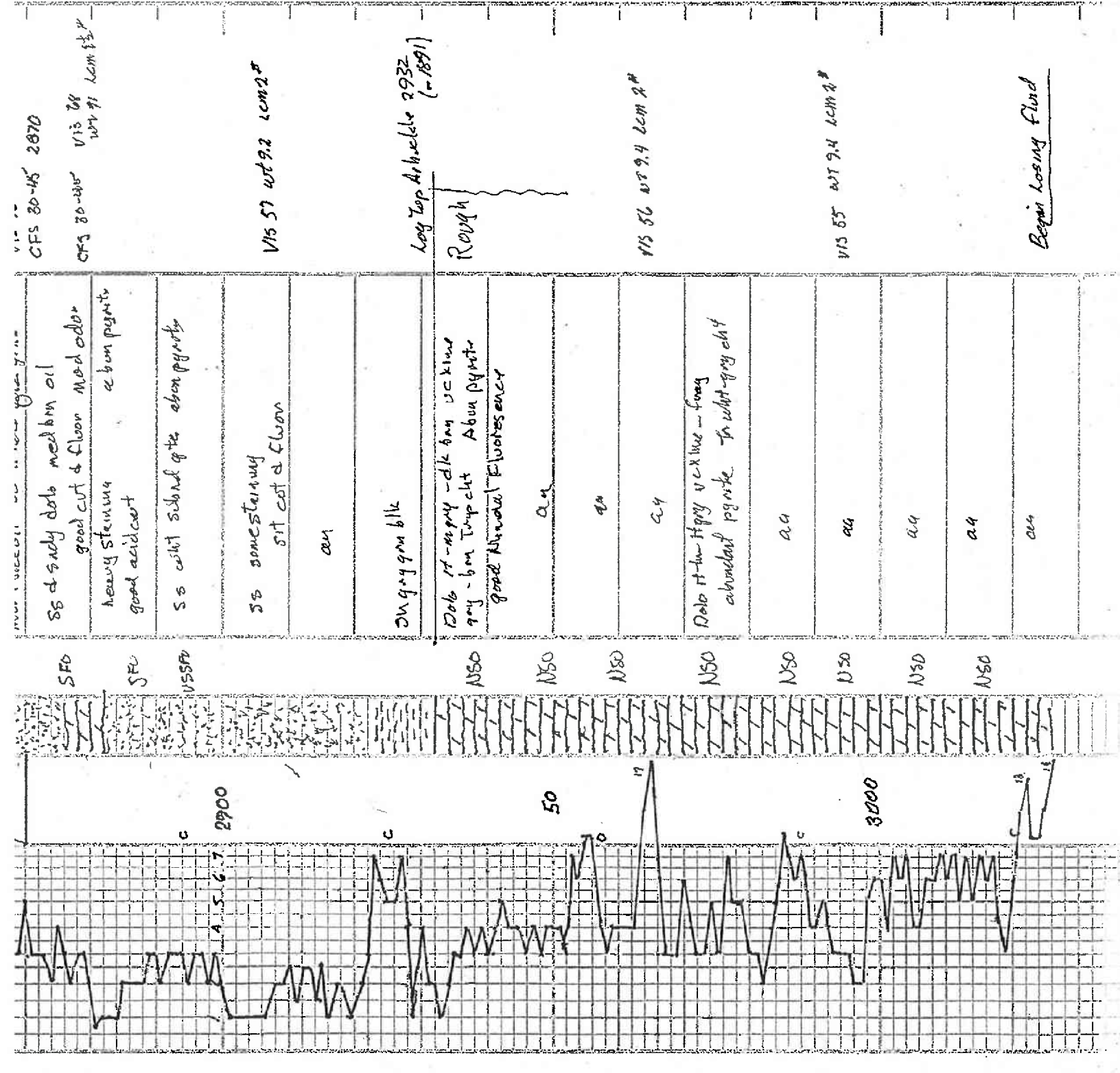
SAMPLE DESCRIPTIONS: 50 m-cgnd sub ad, 5h dk gray blk pyrite

OIL SHOWS: N/S

LOG 7713



OIL SHOWS	SAMPLE DESCRIPTIONS	REMARKS
NSU	Ss m-cgnrd sub ad	All measurement from 10' KB
	Ss dk gray blk pyrite	
	Sh gy	
	Tr veinlike ls abn. w/lt Tap chert	
	aa	
	Abn w/lt Tapcat Tr ss Bm veinlike ls	
	Ls H-m-hm ve lime-frag fossil Pyrite abundant Tr Bkls	VIS 40 wt 93 LCM 2#
	aa	
	Ls vuggy aa	
	aa	
	aa	
	Ls H-m-hm vuggy chert pyrite	Rough
	aa	good visited
	aa	
	aa	
	Ls aa chert	
	aa	Rough
	aa	Rough
	Ls aa + dk lora sandolo	Rough
	Ls aa	
	Ls aa	
	Dolo m-hm sacc	
	Ls lt-mtn abundant white chert	VIS 36 wt 93 LCM 1# Set 102
	Ls wht-lt to abundant chert	VIS 41 LCM 3#
	aa	
	aa	
	aa	
	aa	
	aa	
	aa	VIS 41 wt 9.1 LCM 3#
	aa	
	Ls ve lime frag fossil! abundant pyrite	
	aa	
	aa	
	aa	
	Ls H-m-hm veinlike	VIS 37 wt 9.1 LCM 3#



CFS 30-145 2870
 VIS 28 WT 9.1 LCM 2.4
 VIS 57 WT 9.2 LCM 2.4
 Log Top Abundant 2932 (-1891)
 VIS 56 WT 9.4 LCM 2.4
 VIS 55 WT 9.4 LCM 2.4
 Begin Losing Fluid

SF0 SS & sandy dol. med brn oil
 good cut & floor mod odor
 heavy staining
 good acid coat
 SFU heavy staining
 good acid coat
 VSSFD SS whit siland qtz abn pyrite
 NS0 SS somewhat
 silt cut & flow
 cen
 NSU DN gray gm blk
 Dol. rt - gray - dk brn v. x line
 gray - brn impcht Abn pyrite
 good Annual Fluoresency
 NS0 a4
 NS0 a4
 NS0 a4
 NS0 Dol. rt - tan H gray v. x line - fony
 abundant pyrite - tan whit-gray chrt
 NS0 a4
 NS0 a4
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 NS0 a4

SUMMIT DRILLING INC
 LEASE P. Wendland IP
 ELEVATION 1051 Gr 1041 RB RTD 3026
 LOCATION NE SE NE
 SEC 4 TWP 13 S R13 E
 COUNTY Wabasha STATE KS
 Printed from NeuraView 12/30/11

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

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

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**

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

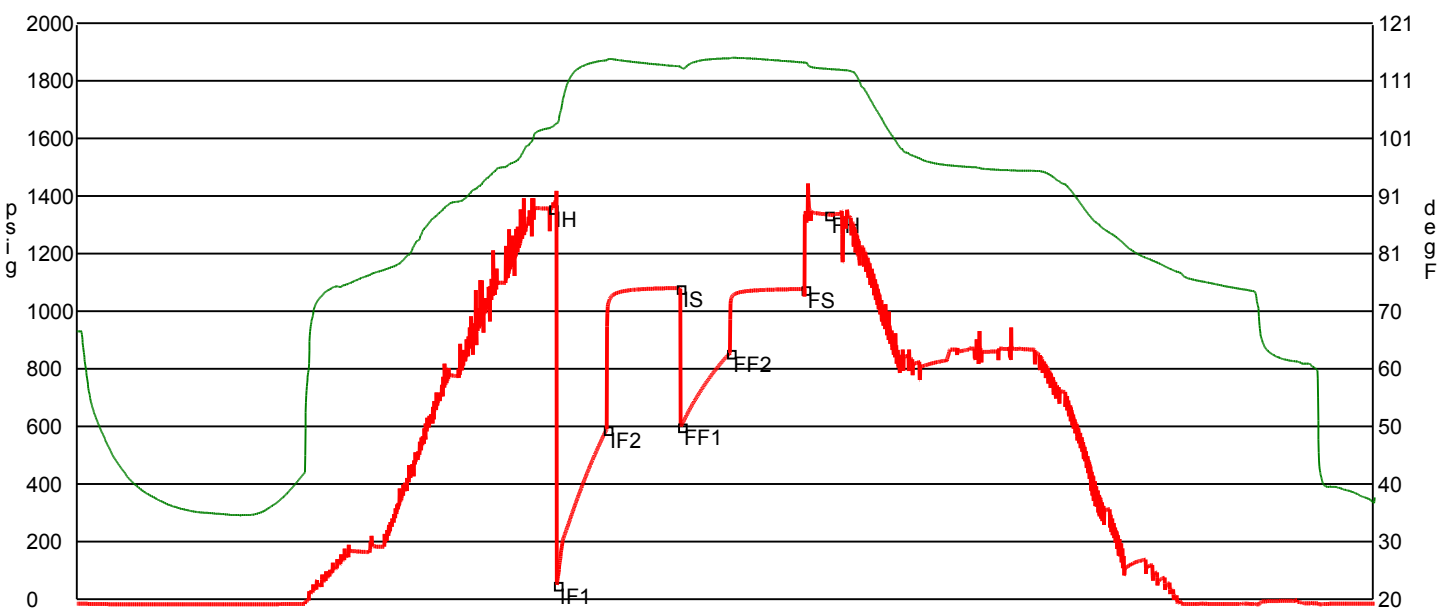
Chokes **3/4** Hole Size **7 7/8**
 Top Recorder # **W1119**
 Mid Recorder # **W1023**
 Bott Recorder # **13310**
 Mileage **500** Approved By
 Standby Time **0**
 Extra Equipmnt **Jars & Safety joint**
 Time on Site **4:10 PM**
 Tool Picked Up **10:00 PM**
 Tool Layed Dwn **9:00 AM**
 Elevation **1032.00** Kelley Bushings **1042.00**

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