

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # 5144  
 Name: Mull Drilling Company, Inc.  
 Address 1: 1700 N WATERFRONT PKWY  
 Address 2: BLDG 1200  
 City: WICHITA State: KS Zip: 67206 +  
 Contact Person: Mark Shreve  
 Phone: (316) 264-6366  
 CONTRACTOR: License # 33575  
 Name: WW Drilling, LLC  
 Wellsite Geologist: Phil Askey  
 Purchaser: Plains Marketing

## 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>08/19/2010</u>	<u>08/27/2010</u>	<u>10/01/2010</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-135-25127-00-00

Spot Description: NWNESWSW  
NW NE SW SW Sec. 4 Twp. 17 S. R. 23  East  West  
1169 Feet from  North /  South Line of Section  
776 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: NessLease Name: Klitzke 'B' Well #: 2-4Field Name: HarknessProducing Formation: MississippiElevation: Ground: 2423 Kelly Bushing: 2428Total Depth: 4535 Plug Back Total Depth: 4430Amount of Surface Pipe Set and Cemented at: 217 FeetMultiple Stage Cementing Collar Used?  Yes  NoIf yes, show depth set: 1771 FeetIf Alternate II completion, cement circulated from: 1771feet depth to: 0 w/ 110 sx cmt.**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: 12100 ppm Fluid volume: 900 bblsDewatering 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: 11/09/2010
- Confidential Release Date: 11/09/2012
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: NAOMI JAMES 11 Date: 11/15/2010

1046999

Operator Name: Mull Drilling Company, Inc. Lease Name: Klitzke 'B' Well #: 2-4

Sec. 4 Twp. 17 S. R. 23  East  West County: Ness

**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 checked="" type="checkbox"/> Yes <input 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:  CDI/CNL/PE; DIL; Micro & Sonic	<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	12.250	8.6250	20	217	Common	150	3% gel, 2% cc
Production	7.8750	5.5000	15.5	4523	50/50 Poz	145	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	0-1771	SMD	110	

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	4412' - 4416'	150 gal 15% ReNab acid, 200 gal 15% MCA, 500 gal 15% NEFE.	
4	4416' - 4420'	300 gal 15% ReNab acid, 1000 gal 15% NEFE, 1500 gal 20% HCl	

TUBING RECORD: Size: <u>2 7/8"</u> Set At: <u>4423'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>10/01/2010</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbls. <u>18</u>	Gas Mcf <u>0</u> Water Bbls. <u>8</u> Gas-Oil Ratio _____ Gravity <u>41</u>

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)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Mull Drilling Company, Inc.
Well Name	Klitzke 'B' 2-4
Doc ID	1046999

Tops

Anhydrite	1741	+ 687
B/Anhydrite	1774	+ 654
Heebner Shale	3804	- 1378
Lansing	3839	- 1411
Marmaton	4177	- 1749
Ft. Scott	4310	- 1882
Cherokee Shale	4332	- 1904
Mississippi	4411	- 1983



*Mark Parkinson, Governor  
Thomas E. Wright, Chairman  
Joseph F. Harkins, Commissioner  
Ward Loyd, Commissioner*

November 15, 2010

Mark Shreve  
Mull Drilling Company, Inc.  
1700 N WATERFRONT PKWY  
BLDG 1200  
WICHITA, KS 67206

Re: ACO1  
API 15-135-25127-00-00  
Klitzke 'B' 2-4  
SW/4 Sec.04-17S-23W  
Ness County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Mark Shreve

## Summary of Changes

Lease Name and Number: Klitzke 'B' 2-4

API/Permit #: 15-135-25127-00-00

Doc ID: 1046999

Correction Number: 1

Approved By: NAOMI JAMES 11/15/2010

Field Name	Previous Value	New Value
Approved By	Deanna Garrison	NAOMI JAMES 11/15/2010
End Date		11/09/2012
Letter of Confidentiality Received Date		11/09/2010
LocationInfoLink	<a href="https://solar.kgs.ku.edu/kcc/detail/locationInformation.cfm?section=4&amp;to.../kcc/detail/operatorEditDetail.cfm?docID=1046135">https://solar.kgs.ku.edu/kcc/detail/locationInformation.cfm?section=4&amp;to.../kcc/detail/operatorEditDetail.cfm?docID=1046135</a>	<a href="https://solar.kgs.ku.edu/kcc/detail/locationInformation.cfm?section=4&amp;to.../kcc/detail/operatorEditDetail.cfm?docID=1046999">https://solar.kgs.ku.edu/kcc/detail/locationInformation.cfm?section=4&amp;to.../kcc/detail/operatorEditDetail.cfm?docID=1046999</a>
Save Link		

## Summary of Attachments

Lease Name and Number: Klitzke 'B' 2-4

API: 15-135-25127-00-00

Doc ID: 1046999

Correction Number: 1

Attachment Name

Two Year Confidentiality