



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1162293
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1162293

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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	Mull Drilling Company, Inc.
Well Name	Foos Trust Unit 1-27
Doc ID	1162293

All Electric Logs Run

CDL/CNL/PE
DIL
MEL
Sonic

Form	ACO1 - Well Completion
Operator	Mull Drilling Company, Inc.
Well Name	Foos Trust Unit 1-27
Doc ID	1162293

Tops

Name	Top	Datum
Anhydrite	1659	+ 718
B/Anhydrite	1695	+ 682
Heebner	3762	- 1385
Lansing	3801	- 1424
Stark	4033	- 1656
Pawnee	4194	- 1817
Ft. Scott	4289	- 1912
Cherokee Shale	4309	- 1932
Mississippian	4388	- 2011

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

October 10, 2013

Mark Shreve
Mull Drilling Company, Inc.
1700 N WATERFRONT PKWY
BLDG 1200
WICHITA, KS 67206-6637

Re: ACO1
API 15-135-25624-00-00
Foos Trust Unit 1-27
SW/4 Sec.27-17S-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



Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	Mull Drilling Co. Inc.	Well Name	Foos Trust Unit #1-27
Well Operator	Mull Drilling Co. Inc.	Unique Well ID	DST #1 Ft. Scott & Cherokee 4270'-4315'
Contact	Mark Shreve	Surface Location	Sec 27-17s-23w-Ness Co.-KS
Site Contact	Kevin Kessler	Test Unit	#5
Field	Wildcat	Pool	Wildcat
Well Type	Vertical	Job Number	F144
Prepared By	Jake Fahrenbruch	Qualified By	Kevin Kessler

Test Information

Test Type	Conventional Bottom-Hole	Test Purpose	Initial Test
Formation	Ft. Scott & Cherokee 4270'-4315'	Gauge Name	0062
Start Test Date	2013/07/02	Start Test Time	12:00:00
Final Test Date	2013/07/02	Final Test Time	18:05:00

Test Results

5 minute initial flow period:	Surface blow.
30 minute initial shut-in period:	No blow.
30 minute final flow period:	Surface blow, blow died in 8 minutes.
60 minute final shut-in period:	No blow.

Recovered: 2' of Drilling Mud 100% mud

Pressures:

IHP:	2091
IFP:	11-11
ISIP:	155
FFP:	12-13
FSIP:	67
FHP:	2090

Bottom-Hole Temperature: 117 Deg F



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: foostrustunit1dst1

TIME ON: on loc. 09:00, batt. on 12:00
TIME OFF: 18:05

Company Mull Drilling Co. Inc. Lease & Well No. Foos Trust Unit #1-27
Contractor WW Drilling Co., Rig #10 Charge to Mull Drilling Co. Inc.
Elevation 2377' KB Formation Ft. Scott & Cherokee Effective Pay _____ Ft. Ticket No. F144
Date 7.2.2013 Sec. 27 Twp. _____ 17 S Range _____ 23 W County _____ Ness State KANSAS
Test Approved By Kevin Kessler Diamond Representative Jake Fahrenbruch

Formation Test No. 1 Interval Tested from 4270 ft. to 4315 ft. Total Depth 4315 ft.
Packer Depth 4265 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4270 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4249 ft. Recorder Number 0062 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4312 ft. Recorder Number 11033 Cap. 5,150 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 52 Drill Collar Length 124 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 9.2 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 6200 P.P.M. Drill Pipe Length 4113 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #5 w/safety joint Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 45 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 11' perf in anchor Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Surface blow.
2nd Open: Surface blow, blow died in 8 minutes.

Recovered 2 ft. of Drilling Mud 100% mud
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: _____
Tool Sample: 100% mud

	Price Job
	Other Charges
	Insurance
	Total

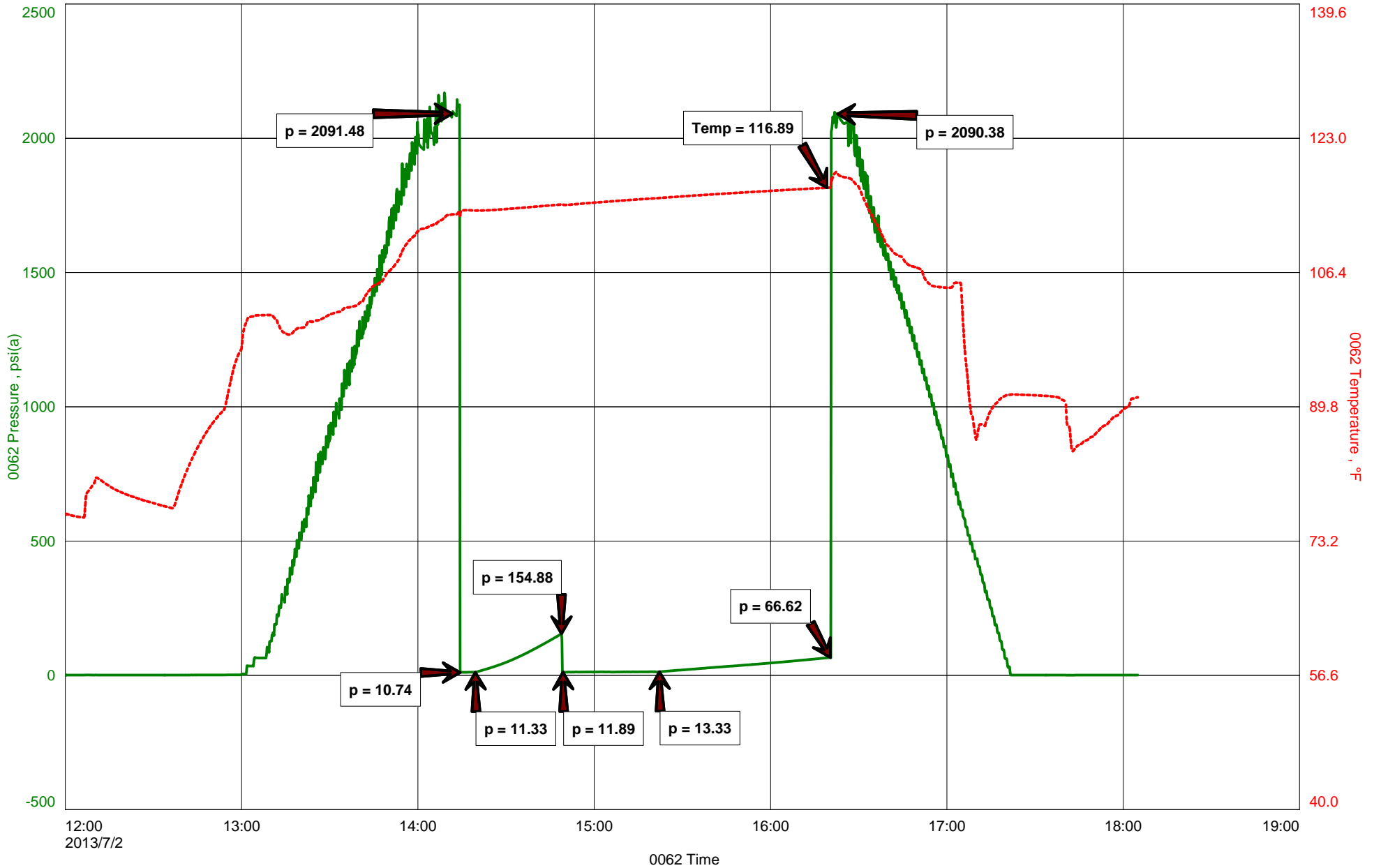
Time Set Packer(s) 14:15 A.M. P.M. Time Started Off Bottom 16:20 A.M. P.M. Maximum Temperature 117 Deg F
Initial Hydrostatic Pressure..... (A) 2091 P.S.I.
Initial Flow Period..... Minutes 5 (B) 11 P.S.I. to (C) 11 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 155 P.S.I.
Final Flow Period..... Minutes 30 (E) 12 P.S.I. to (F) 13 P.S.I.
Final Closed In Period..... Minutes 60 (G) 67 P.S.I.
Final Hydrostatic Pressure..... (H) 2090 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.

Mull Drilling Co. Inc.
DST #1 Ft. Scott & Cherokee 4270'-4315'
Start Test Date: 2013/07/02
Final Test Date: 2013/07/02

Foos Trust Unit #1-27
Formation: Ft. Scott & Cherokee 4270'-4315'
Pool: Wildcat
Job Number: F144

Foos Trust Unit #1-27





Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	Mull Drilling Co Inc	Well Name	Foos Trust Unit #1-27
Well Operator	Mull Drilling Co Inc	Unique Well ID	DST #2 Mississippian 4300'-4405'
Contact	Mark Shreve	Surface Location	Sec 27-17s-23w-Ness Co.-KS
Site Contact	Kevin Kessler	Test Unit	#5
Field	Wildcat	Pool	Wildcat
Well Type	Vertical	Job Number	F145
Prepared By	Jake Fahrenbruch	Qualified By	Kevin Kessler

Test Information

Test Type	Conventional Bottom-Hole	Test Purpose	Initial Test
Formation	Mississippian 4300'-4405'	Gauge Name	0062
Start Test Date	2013/07/03	Start Test Time	03:39:00
Final Test Date	2013/07/03	Final Test Time	09:29:00

Test Results

5 minute initial flow period:	Surface blow, increased to 1" in bucket.
30 minute initial shut-in period:	No blow.
30 minute final flow period:	Surface blow, blow died in 15 minutes.
60 minute final shut-in period:	No blow.

Recovered:	10' of Oil Cut Mud	8% oil, 92% mud
	Tool Sample: Oil Cut Mud,	12% oil, 88% mud

Pressures:

IHP:	2111
IFP:	16-20
ISIP:	884
FFP:	24-28
FSIP:	616
FHP:	2110

Bottom-Hole Temperature: 115 Deg F



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: foostrustunit1dst2

TIME ON: on loc. 03:20, batt. on 03:39
TIME OFF: 09:29

Company Mull Drilling Co. Inc. Lease & Well No. Foos Trust Unit #1-27
Contractor WW Drilling Co., Rig #10 Charge to Mull Drilling Co. Inc.
Elevation 2377' KB Formation Mississippian Effective Pay _____ Ft. Ticket No. F145
Date 7.3.2013 Sec. 27 Twp. _____ 17 S Range _____ 23 W County _____ Ness State KANSAS
Test Approved By Kevin Kessler Diamond Representative Jake Fahrenbruch

Formation Test No. 2 Interval Tested from 4300 ft. to 4405 ft. Total Depth 4405 ft.
Packer Depth 4295 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4300 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4279 ft. Recorder Number 0062 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4402 ft. Recorder Number 11033 Cap. 5,150 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 52 Drill Collar Length 124 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 9.2 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 6200 P.P.M. Drill Pipe Length 4143 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #5 w/safety joint Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 105 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 8' perf in anchor Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Surface blow, increased to 1" in bucket.

2nd Open: Surface blow, blow died in 15 minutes.

Recovered 10 ft. of Oil Cut Mud 8% oil, 92% mud
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: _____
Tool Sample: Oil Cut Mud, 12% oil, 88% mud

	Price Job
	Other Charges
	Insurance
	Total

Time Set Packer(s) 05:45 A.M. P.M. Time Started Off Bottom 07:50 A.M. P.M. Maximum Temperature 115 Deg F

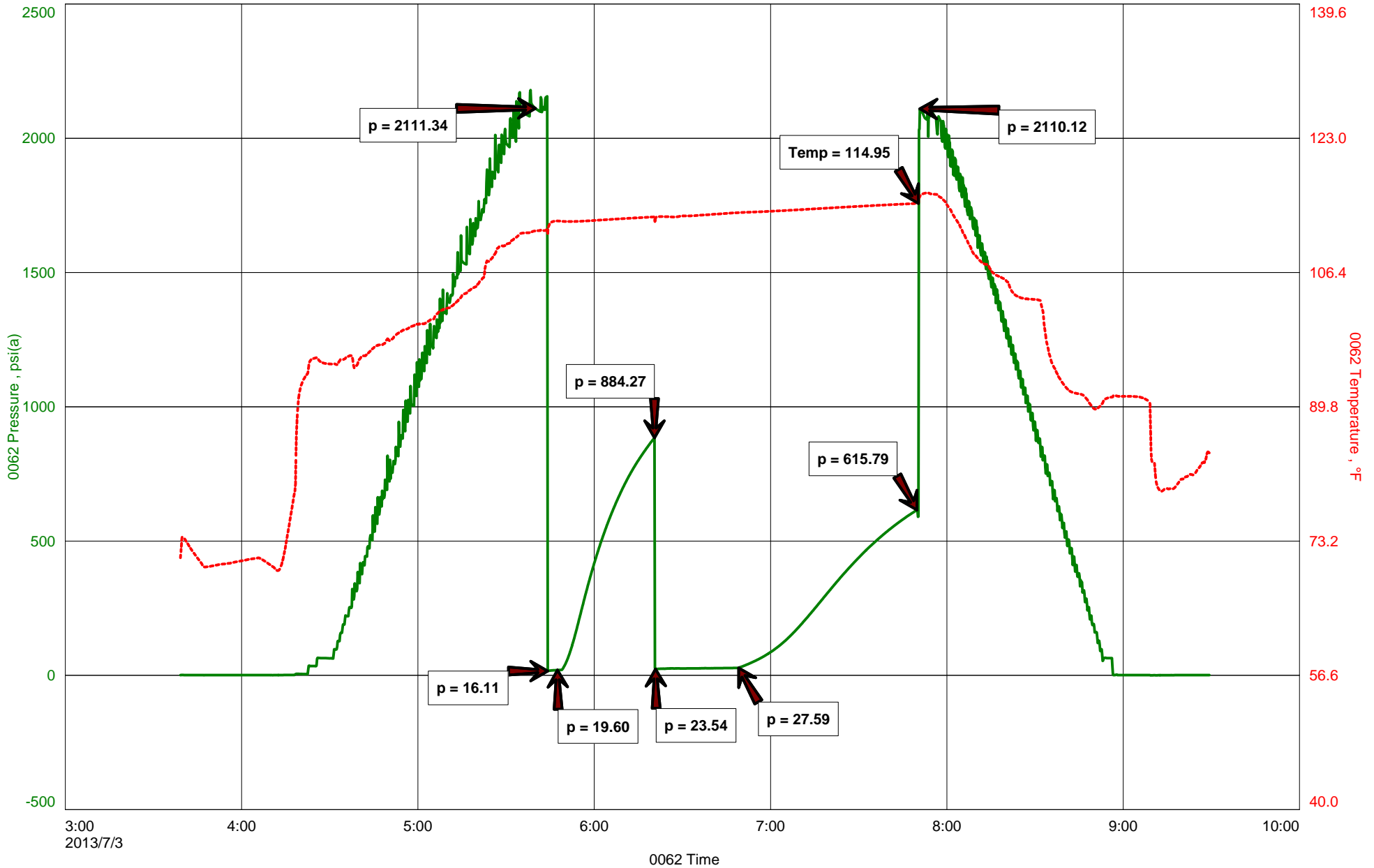
Initial Hydrostatic Pressure..... (A) 2111 P.S.I.
Initial Flow Period..... Minutes 5 (B) 16 P.S.I. to (C) 20 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 884 P.S.I.
Final Flow Period..... Minutes 30 (E) 24 P.S.I. to (F) 28 P.S.I.
Final Closed In Period..... Minutes 60 (G) 616 P.S.I.
Final Hydrostatic Pressure..... (H) 2110 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.

Mull Drilling Co Inc
DST #2 Mississippian 4300'-4405'
Start Test Date: 2013/07/03
Final Test Date: 2013/07/03

Foos Trust Unit #1-27
Formation: Mississippian 4300'-4405'
Pool: Wildcat
Job Number: F145

Foos Trust Unit #1-27





Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	Mull Drilling Co Inc	Well Name	Food Trust Unit #1-27
Well Operator	Mull Drilling Co inc	Unique Well ID	DST #3 Mississippian 4405'-4415'
Contact	Mark Shreve	Surface Location	Sec 27-17s-23w-Ness Co.-KS
Site Contact	Kevin Kessler	Test Unit	#5
Field	Wildcat	Pool	Wildcat
Well Type	Vertical	Job Number	F146
Prepared By	Jake Fahrenbruch	Qualified By	Kevin Kessler

Test Information

Test Type	Conventional Bottom-Hole	Test Purpose	Initial Test
Formation	Mississippian 4405'-4415'	Gauge Name	0062
Start Test Date	2013/07/03	Start Test Time	15:03:00
Final Test Date	2013/07/03	Final Test Time	20:40:00

Test Results

5 minute initial flow period:	Very weak surface blow.
30 minute initial shut-in period:	No blow.
30 minute final flow period:	No blow.
60 minute final shut-in period:	No blow.

Recovered:	3' of OSM	2% oil, 98% mud
	Tool Sample:	OSM 2% oil, 98% mud

Pressures:	IHP:	2172
	IFP:	9-11
	ISIP:	1363
	FFP:	12-19
	FSIP:	1277
	FHP:	2169

Bottom-Hole Temp: 114 Deg F



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: foostrustunit1dst3

TIME ON: on loc. 15:00, batt. on 15:03
TIME OFF: 20:40

Company Mull Drilling Co. Inc. Lease & Well No. Foos Trust Unit #1-27
Contractor WW Drilling Co., Rig #10 Charge to Mull Drilling Co. Inc.
Elevation 2377' KB Formation Mississippian Effective Pay _____ Ft. Ticket No. F146
Date 7.3.2013 Sec. 27 Twp. _____ 17 S Range _____ 23 W County _____ Ness State KANSAS
Test Approved By Kevin Kessler Diamond Representative Jake Fahrenbruch

Formation Test No. 3 Interval Tested from 4405 ft. to 4415 ft. Total Depth 4415 ft.
Packer Depth 4400 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4405 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4384 ft. Recorder Number 0062 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4412 ft. Recorder Number 11033 Cap. 5,150 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 50 Drill Collar Length 124 ft. I.D. 2 1/4 in.
Weight 9.5 Water Loss 10.4 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 6000 P.P.M. Drill Pipe Length 4248 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #5 w/safety joint Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 10 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: Very weak surface blow.
2nd Open: No blow.

Recovered <u>3</u> ft. of OSM	<u>2% oil, 98% mud</u>
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>Tool Sample: OSM</u>	<u>2% oil, 98% mud</u>
	Insurance
	Total

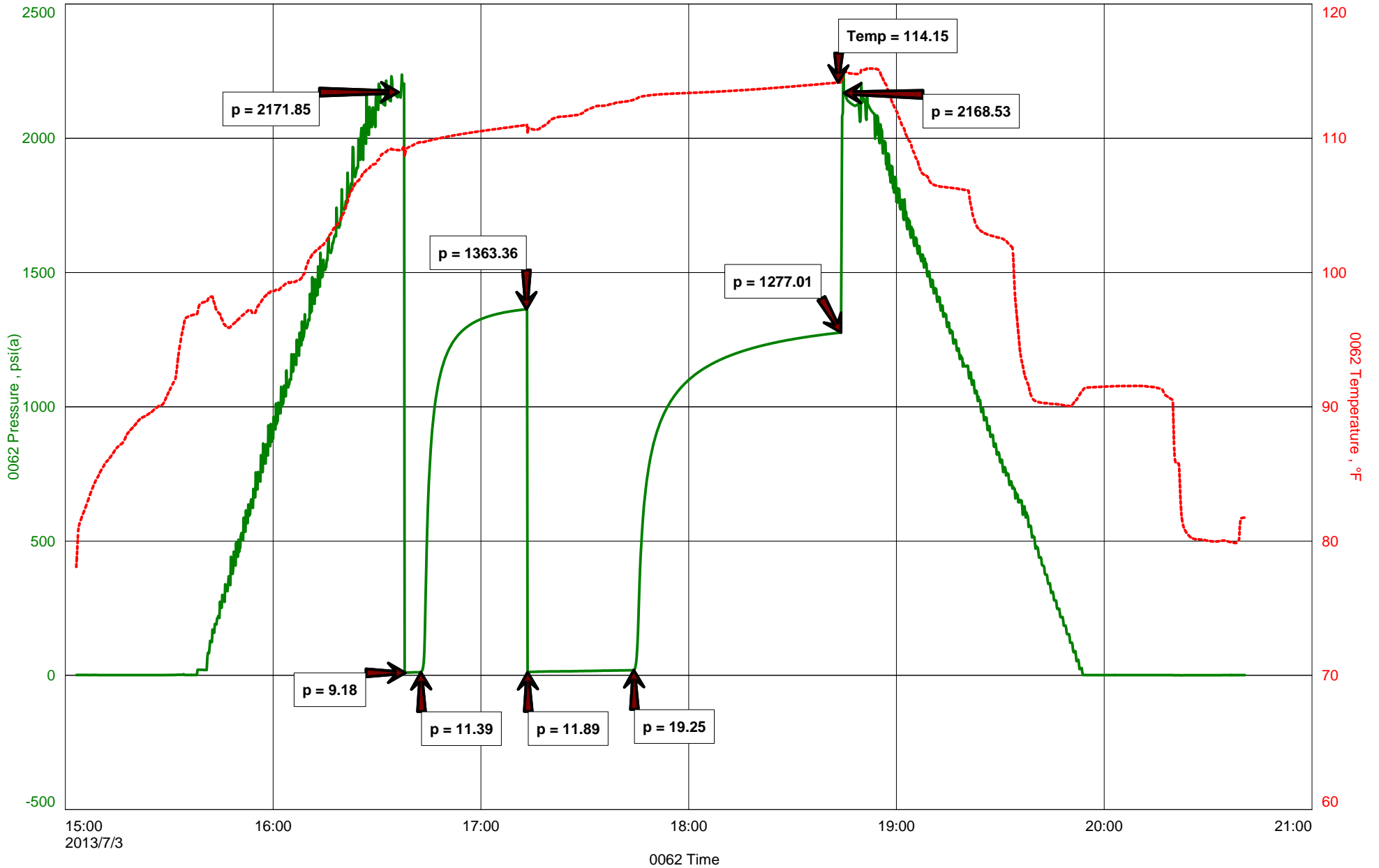
Time Set Packer(s) 16:37 A.M. P.M. Time Started Off Bottom 18:42 A.M. P.M. Maximum Temperature 114 Deg F
Initial Hydrostatic Pressure..... (A) 2172 P.S.I.
Initial Flow Period..... Minutes 5 (B) 9 P.S.I. to (C) 11 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 1363 P.S.I.
Final Flow Period..... Minutes 30 (E) 12 P.S.I. to (F) 19 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1277 P.S.I.
Final Hydrostatic Pressure..... (H) 2169 P.S.I.

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Mull Drilling Co Inc
DST #3 Mississippian 4405'-4415'
Start Test Date: 2013/07/03
Final Test Date: 2013/07/03

Food Trust Unit #1-27
Formation: Mississippian 4405'-4415'
Pool: Wildcat
Job Number: F146

Food Trust Unit #1-27



KEVIN L. KESSLER
CONSULTING PETROLEUM GEOLOGIST
 (316) 522-7338

OPERATOR : MULL DRILLING COMPANY, INC.
LEASE : FOOS TRUST UNIT WELL # : 1 - 27
LOCATION : 190' FSL & 861' FEL
SEC: 27 TWP : 17 S RGE : 23 W
COUNTY : NESS STATE : KANSAS

ELEVATION
KB : 2377
GL : 2372
 MEASUREMENTS FROM
KB

CONTRACTOR : W W DRILLING RIG # 10
COMM : 06 / 28 / 2013 COMP : 07 / 04 / 2013
RTD : 4500 LOG TD : 4504
SAMPLES SAVED FROM : 3700 TO: RTD
GEOLOGICAL SUPERVISION FROM : 3700 TO : RTD
MUD UP : 3600 TYPE MUD : CHEMICAL

CASING RECORD
SURFACE :
8 5/8" @ 211'
PRODUCTION :
 .

ELECTRICAL SURVEYS:

FORMATION	TOP	LOG	DATUM	TOP	SAMPLE	DATUM	STRUCT. COMP.
HEEBNER	3762		- 1385	3762		- 1385	- 07
LANSING	3801		- 1424	3801		- 1424	- 08
STARK	4036		- 1659	4036		- 1659	- 07
BASE/ KC	4092		- 1715	4092		- 1715	- 06
FORT SCOTT	4290		- 1913	4290		- 1913	- 04
CHEROKEE	4310		- 1933	4310		- 1933	- 04
MISSISSIPPI	4400		- 2023	4400		- 2023	- 04

REFERENCE WELL FOR STRUCTURAL COMPARISON :

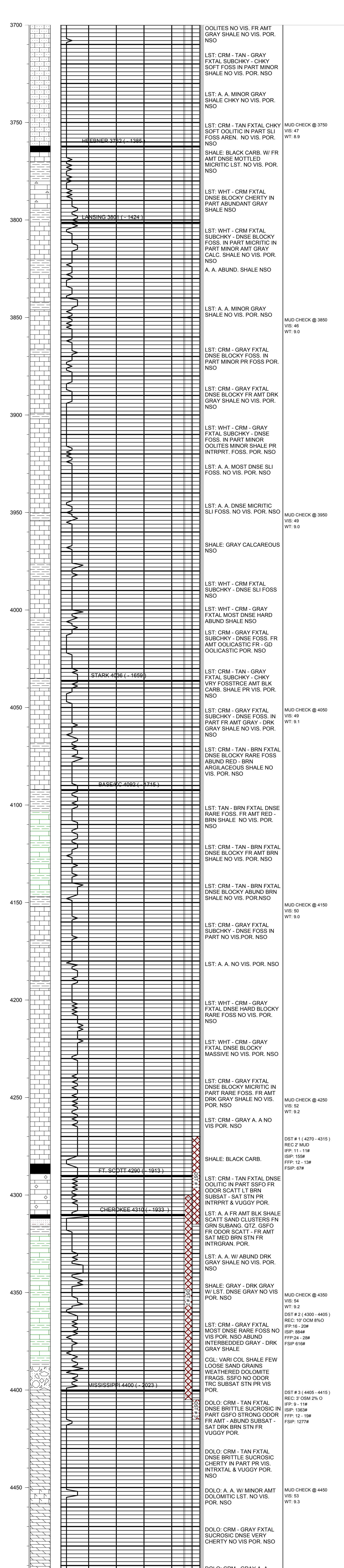
TWIN WESTERN # 1 LEHNER SEC 34 - T 17 S - R 23 W NESS COUNTY KANSAS

CDL/CNL

DIL

MICRO

SONIC



COMMENTS:

**DUE TO LOW STRUCTURAL POSITION & NEGATIVE
 DRILL STEM TEST RESULTS
 THIS WELL WAS PLUGGED AS DRY & ABANDONED**

KEVIN L. KESSLER