



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1295530
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: _____

1295530

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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)*

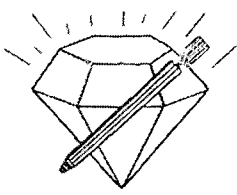
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

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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DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
Munstermann4Dst1

Company Gore Oil Company Lease & Well No. Munstermann No. 4
Elevation 3016 GL Formation Lansing "D" Effective Pay _____ Ft. Ticket No. RR213
Date 12-13-15 Sec. 19 Twp. 1S Range 32W County Rawlins State Kansas
Test Approved By Charles Schmaltz Diamond Representative Ricky Ray

Formation Test No. 1 Interval Tested from 4,006 ft. to 4,065 ft. Total Depth 4,065 ft.
Packer Depth 4,001 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4,006 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 3,994 ft. Recorder Number 0062 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 4,043 ft. Recorder Number 5954 Cap. 5,000 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor VW Drilling, LLC - Rig 10 Drill Collar Length 120 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 57 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.0 Water Loss 6.8 cc. Drill Pipe Length 3,854 ft I.D. 3 1/2 in.
Chlorides 800 P.P.M. Test Tool Length 32 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 12 Anchor Length 28' perf. w/31' drill pipe Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow increasing to 1 1/4 ins. in 30 mins. Weak blow back during shut-in.
2nd Open: No blow. Blow came in at 17 mins. increasing to 1 in. in 60 mins. Weak blow back during shut-in.

Recovered 5 ft. of mud = .024600 bbls. (Grind out: 100%-mud)
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks Tool Sample Grind Out: 100%-mud
Diesel in bucket.

Time Set Packer(s) 1:42 A.M. Time Started off Bottom 5:42 A.M. Maximum Temperature 114°
Initial Hydrostatic Pressure.....(A) 1959 P.S.I.
Initial Flow Period.....Minutes 30 (B) 11 P.S.I. to (C) 18 P.S.I.
Initial Closed In Period.....Minutes 60 (D) 1053 P.S.I.
Final Flow Period.....Minutes 60 (E) 19 P.S.I. to (F) 28 P.S.I.
Final Closed In Period.....Minutes 90 (G) 1056 P.S.I.
Final Hydrostatic Pressure.....(H) 1912 P.S.I.

Diamond Testing LLC

P.O. Box 157

Hoisington KS 67544

Ricky Ray - Tester
(620) 617-7261

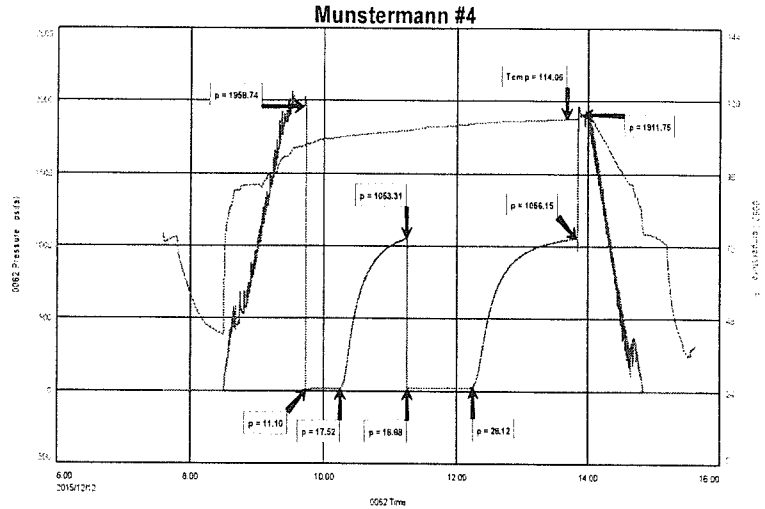
Wellsite Report

General Information

Company Name	Gore Oil Company
Contact	Pat Canaday
Well Operator	Gore Oil Company
Well Name	Munstermann #4
Surface Location	Sec: 19-1s-32w (Rawlins County)
Field	Wilhem
Well Type	Vertical
Pool	Infield
Test Purpose (AEUB)	Initial Test
Qualified By	Chuck Schmaltz
Gauge Name	0062

Test Information

Job Number	RR213
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 1 Lan "D" (4006-4065)
Start Test Date	2015/12/12
Start Test Time	23:32:00
Final Test Date	2015/12/13
Final Test Time	07:36:00



Test Results

Recovery:

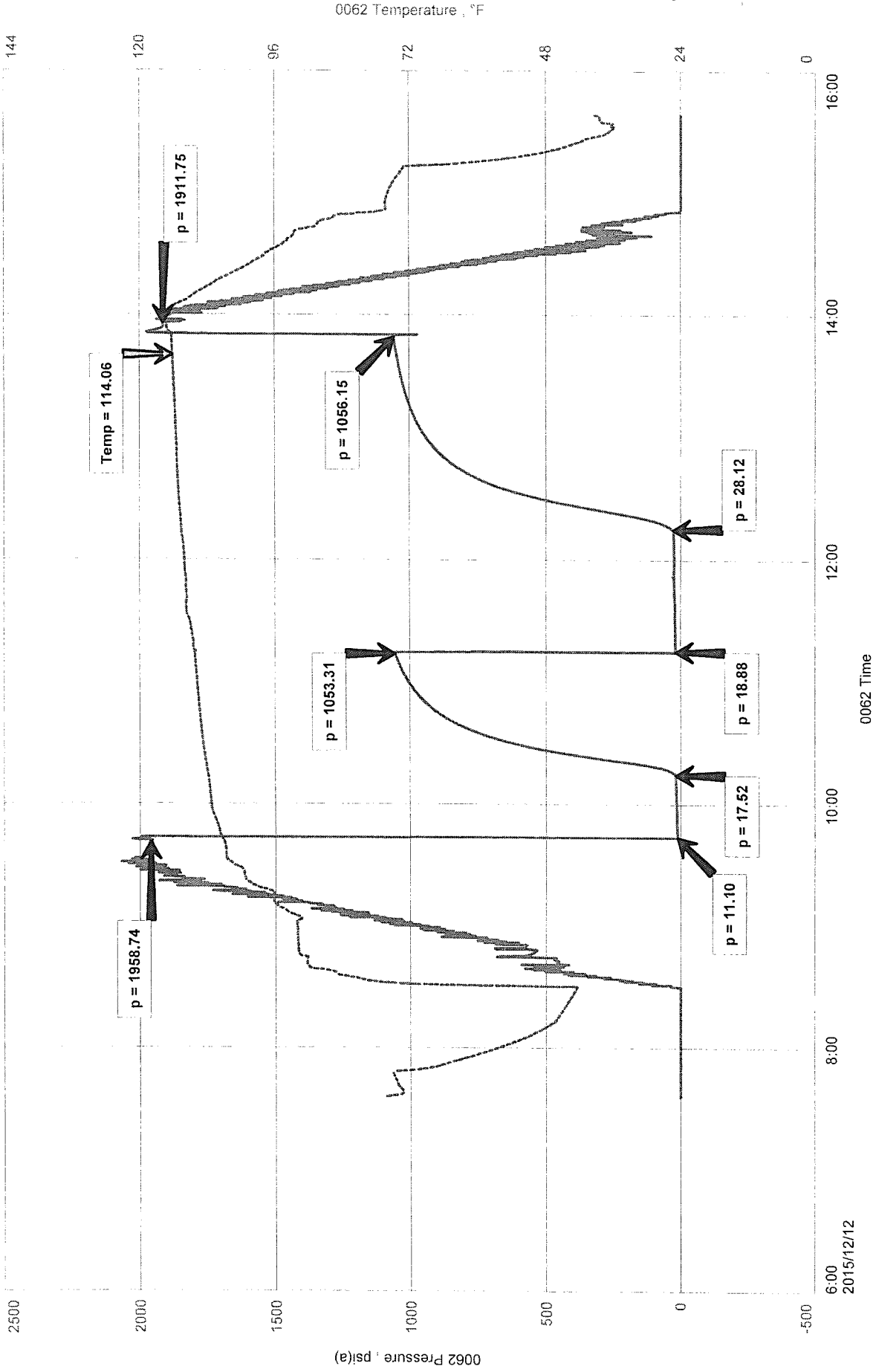
5' M 100% M

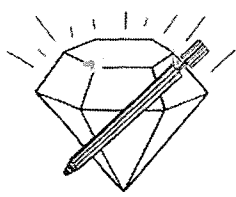
Tool Sample: 100% M

Gore Oil Company
Dst 1 Lan "D" (4006-4065)
Start Test Date: 2015/12/12
Final Test Date: 2015/12/13

Munstermann #4
Formation: Dst 1 Lan "D" (4006-4065)
Pool: Infield
Job Number: RR213

Munstermann #4





DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
Munstermann4Dst2

Company Gore Oil Company Lease & Well No. Munstermann No. 4
Elevation 3016 GL Formation Lansing "G" Effective Pay Ft. Ticket No. RR214
Date 12-13-15 Sec. 19 Twp. 1S Range 32W County Rawlins State Kansas
Test Approved By Charles Schmaltz Diamond Representative Ricky Ray

Formation Test No. 2 Interval Tested from 4,062 ft. to 4,110 ft. Total Depth 4,110 ft.
Packer Depth 4,057 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 4,062 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,050 ft. Recorder Number 0062 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 4,099 ft. Recorder Number 5954 Cap. 5,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor WW Drilling, LLC - Rig 10 Drill Collar Length 120 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 69 Weight Pipe Length ft I.D. in.
Weight 9.1 Water Loss 6.4 cc. Drill Pipe Length 3,910 ft I.D. 3 1/2 in.
Chlorides 1,100 P.P.M. Test Tool Length 32 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 12 Anchor Length 17' perf. w/31' drill pipe Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow increasing to 1 1/4 ins. in 30 mins. 1/2 in. blow back during shut-in.
2nd Open: Weak, surface blow increasing to 1/4 in. in 45 mins. Weak blow back during shut-in.

Recovered 5 ft. of slightly oil cut mud = .024600 bbls. (Grind out: 2%-oil; 98%-mud)
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks Tool Sample Grind Out: 1%-oil; 99%-mud
Diesel in bucket.

Time Set Packer(s) 5:47 P.M. Time Started off Bottom 9:02 P.M. Maximum Temperature 110°
Initial Hydrostatic Pressure.....(A) 1972 P.S.I.
Initial Flow Period.....Minutes 30 (B) 11 P.S.I. to (C) 20 P.S.I.
Initial Closed In Period.....Minutes 60 (D) 910 P.S.I.
Final Flow Period.....Minutes 45 (E) 16 P.S.I. to (F) 27 P.S.I.
Final Closed In Period.....Minutes 60 (G) 780 P.S.I.
Final Hydrostatic Pressure.....(H) 1946 P.S.I.



Diamond Testing LLC

P.O. Box 157
Hoisington KS 67544

Ricky Ray - Tester
(620) 617-7261

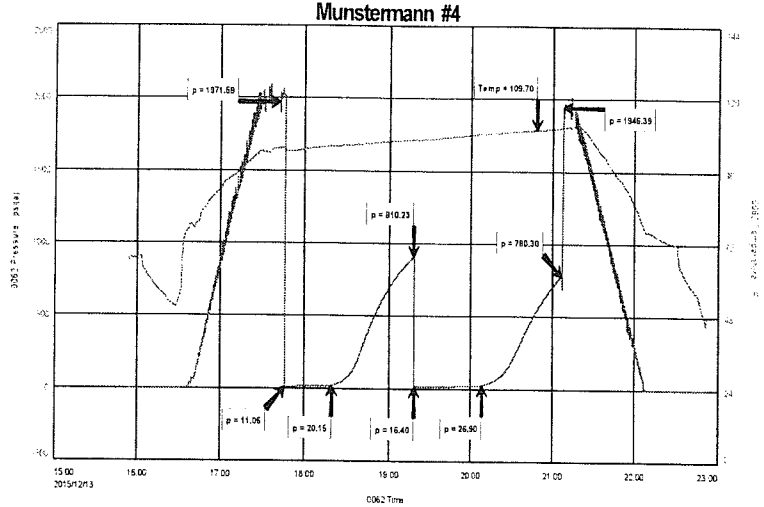
Wellsite Report

General Information

Company Name	Gore Oil Company
Contact	Pat Canaday
Well Operator	Gore Oil Company
Well Name	Munstermann #4
Surface Location	Sec: 19-1s-32w (Rawlins County)
Field	Wilhelm
Well Type	Vertical
Pool	Infield
Test Purpose (AEUB)	Initial Test
Qualified By	Chuck Schmaltz
Gauge Name	0062

Test Information

Job Number	RR214
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 2 Lan "G" (4062-4110)
Start Test Date	2015/12/13
Start Test Time	15:54:00
Final Test Date	2015/12/14
Final Test Time	22:53:00



Test Results

Recovery:

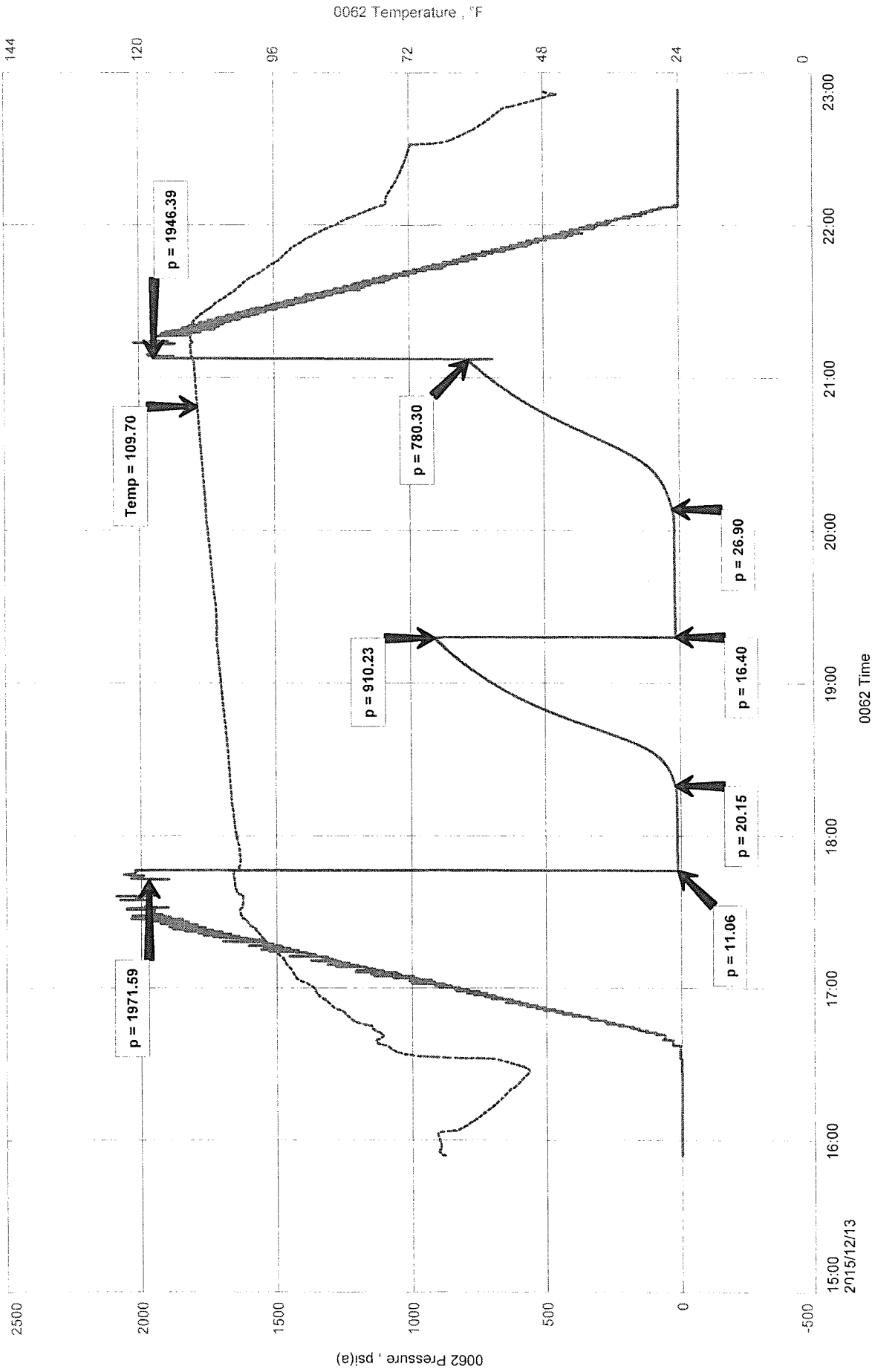
5' SLOCM 2% O 98% M

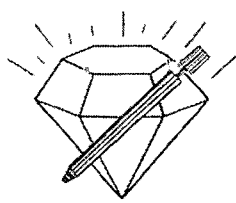
Tool Sample: 1% O 99% M

Gore Oil Company
Dst 2 Lan "G" (4062-4110)
Start Test Date: 2015/12/13
Final Test Date: 2015/12/14

Munstermann # 4
Formation: Dst 2 Lan "G" (4062-4110)
Pool: Infield
Job Number: RR214

Munstermann #4





DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
Munstermann4Dst3

Company Gore Oil Company Lease & Well No. Munstermann No. 4
Elevation 3016 GL Formation Lansing "H-J" Effective Pay Ft. Ticket No. RR215
Date 12-14-15 Sec. 19 Twp. 1S Range 32W County Rawlins State Kansas
Test Approved By Charles Schmaltz Diamond Representative Ricky Ray

Formation Test No. 3 Interval Tested from 4,100 ft. to 4,210 ft. Total Depth 4,210 ft.
Packer Depth 4,095 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 4,100 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,088 ft. Recorder Number 0062 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 4,200 ft. Recorder Number 5954 Cap. 5,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor WW Drilling, LLC - Rig 10 Drill Collar Length 120 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 67 Weight Pipe Length ft I.D. in.
Weight 9.2 Water Loss 6.4 cc. Drill Pipe Length 3,948 ft I.D. 3 1/2 in.
Chlorides 1,000 P.P.M. Test Tool Length 32 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 12 Anchor Length 15' perf. w/95' drill pipe Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow increasing to 1 1/4 ins. in 30 mins. No blow back during shut-in.
2nd Open: Weak, surface blow. No blow back during shut-in.

Recovered 10 ft. of mud = .049200 bbls. (Grind out: 100%-mud)
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks Tool Sample Grind Out: 100%-mud
Diesel in bucket.

Time Set Packer(s) 9:40 A.M. Time Started off Bottom 12:55 P.M. Maximum Temperature 113°
Initial Hydrostatic Pressure.....(A) 2022 P.S.I.
Initial Flow Period.....Minutes 30 (B) 13 P.S.I. to (C) 21 P.S.I.
Initial Closed In Period.....Minutes 60 (D) 900 P.S.I.
Final Flow Period.....Minutes 45 (E) 23 P.S.I. to (F) 27 P.S.I.
Final Closed In Period.....Minutes 60 (G) 795 P.S.I.
Final Hydrostatic Pressure.....(H) 1994 P.S.I.



Diamond Testing LLC

P.O. Box 157

Hoisington KS 67544

Ricky Ray - Tester

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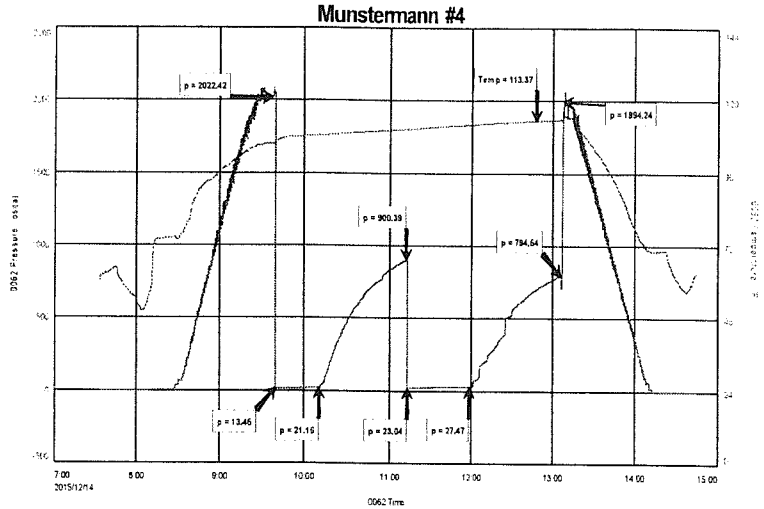
Wellsite Report

General Information

Company Name	Gore Oil Company
Contact	Pat Canaday
Well Operator	Gore Oil Company
Well Name	Munstermann #4
Surface Location	Sec: 19-1s-32w (Rawlins County)
Field	Wilhelm
Well Type	Vertical
Pool	Infield
Test Purpose (AEUB)	Initial Test
Qualified By	Chuck Schmalz
Gauge Name	0062

Test Information

Job Number	RR215
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 3 Lan "H-J" (4100-4210)
Start Test Date	2015/12/14
Start Test Time	07:33:00
Final Test Date	2015/12/14
Final Test Time	14:44:00



Test Results

Recovery:

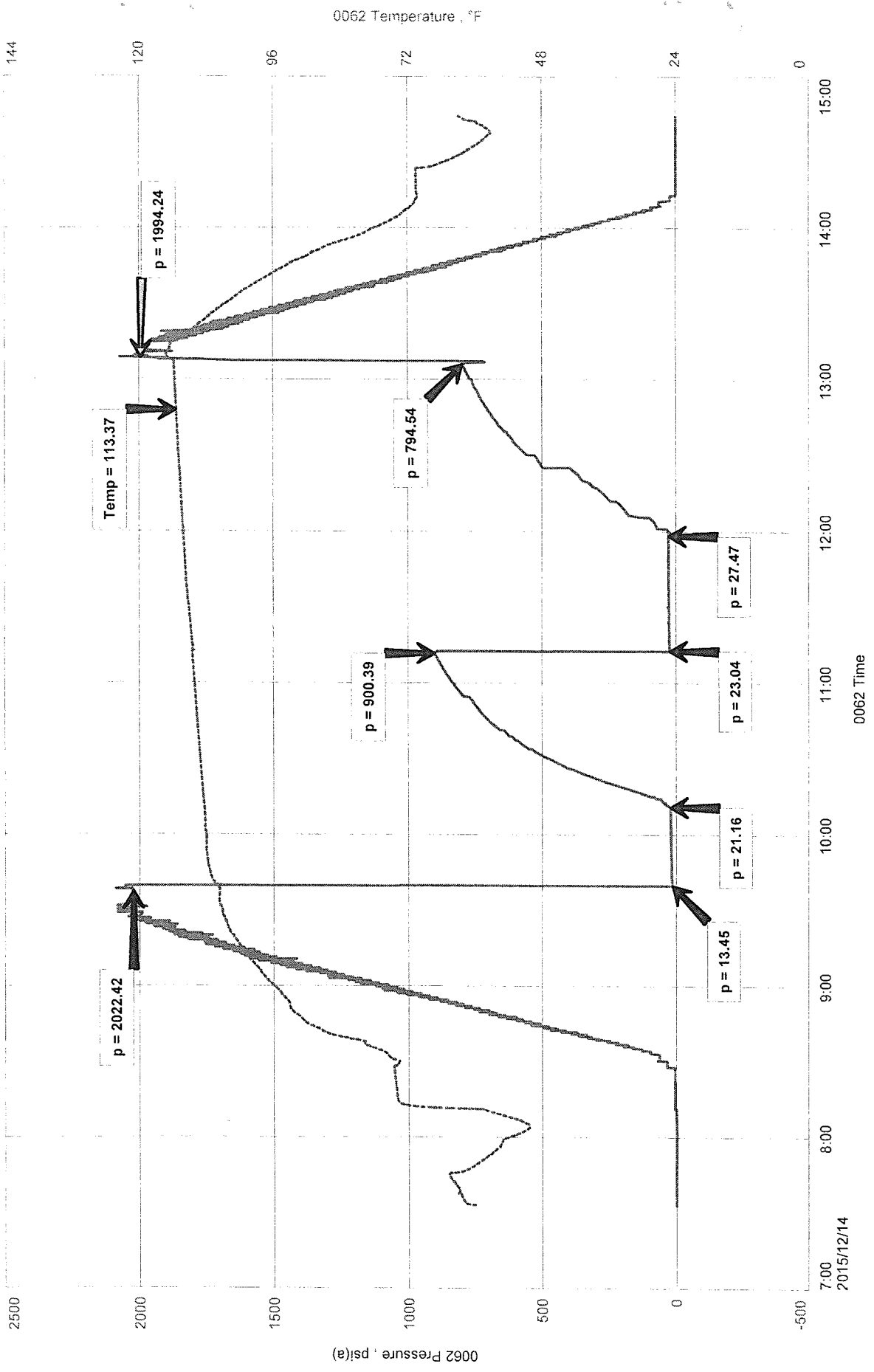
10' M 100% M

Tool Sample: 100% M

Gore Oil Company
Dst 3 Lan "H-J" (4100-4210)
Start Test Date: 2015/12/14
Final Test Date: 2015/12/14

Munstermann #4
Formation: Dst 3 Lan "H-J"
Pool: Infield
Job Number: RR215

Munstermann #4





CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 49625
LOCATION Dobson, KS
FOREMAN Kelly Mahan

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
	3333	Munitionsman #4	19	15	32W	Beaufort
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			731	Casey		
CITY			466	Bob		
STATE						
ZIP CODE						

JOB TYPE CEMENT HOLE SIZE 7 7/8 HOLE DEPTH 413.50 CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Job site meeting rigged up on well #10, mixed cement plugs
1.5 lb/gal as ordered
500 2875
300
50
40
30 PM

*Thank You
Kelly Mahan*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE04RC	1	PUMP CHARGE	1500 ⁰⁰	1500 ⁰⁰
CE0002	30	MILEAGE	7 ¹⁵	214 ⁵⁰
CE0711	10.32	Ton mileage delivery	175	660 ⁰⁰
CE0827	240 SKS	Lite Weight Blend II	11 ⁰⁰	3840 ⁰⁰
CE1028	60 [#]	cellulose	2 ⁰⁰	120 ⁰⁰
			Sub	6334 ⁵⁰
			Loss 35%	2217 ⁵⁰
			Total	4117 ⁰⁰
			SALES TAX	
			ESTIMATED TOTAL	

Ravin 3737
 AUTHORIZATION [Signature] TITLE _____ DATE 12-15-11

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

