



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1220075
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: _____



1220075

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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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 <i>(Explain)</i> _____
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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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	New Gulf Operating LLC
Well Name	Muench 1-16
Doc ID	1220075

Tops

Name	Top	Datum
Anhydrite	2372	674
Base Anhydrite	2390	656
Heebner	3935	-889
Lansing	3978	-932
Muncie Creek	4158	-1112
Stark	4257	-1211
Marmaton	4366	-1340
Pawnee	Pawnee	-1438
Cherokee	4552	-1506
Johnson	4596	-1550
Basal Penn Sand	4665	-1624
Miss	4703	-1657



CONSOLIDATED
Oil Well Services, LLC

269416

TICKET NUMBER 46810
LOCATION Oakley KS
FOREMAN Jerry Y

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

FIELD TICKET & TREATMENT REPORT
CEMENT

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-1-14	5661	Muench 1-16	16	17S	33W	Scott
CUSTOMER			4883 jet			
MAILING ADDRESS			4w,35			
CITY			E into			
STATE			TRUCK #			
ZIP CODE			DRIVER			
			TRUCK #			
			DRIVER			
			TRUCK #			
			DRIVER			

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 266 CASING SIZE & WEIGHT 8 5/8 24#
 CASING DEPTH 266 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.8 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 15 1/2 bbl DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting & rig up on Val 4 back circulation with rig tree hookup to truck & mix 200 sks com class A cement with 3% CC + 2% gel wash up & displace with 15 1/2 bbl H₂O & shut in circulated 5 bbl to pit

Cement
did circulate

Thank you
Jerry & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1150.00	1150.00 ✓
5406	45	MILEAGE	5.23	236.25 ✓
5407	9.4	van mileage delivery	175	1655 ✓
11015	200 sks	com class A cement	18.55	3710.00 ✓
1102	564 #	calicam chloride	94	530.16 ✓
1188	376 #	gel	27	10152 ✓
			Subtotal	6468.16 ✓
			105310% disc.	646.82 ✓
			Subtotal	5821.36 ✓
			SALES TAX	318.47 ✓
			ESTIMATED TOTAL	6139.83 ✓

Ravin 3737

AUTHORIZATION Mike P... TITLE _____ 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.



CONSOLIDATED
ON Well Services, LLC

269853

TICKET NUMBER 46818
LOCATION Oakley, KS
FOREMAN Jeff V Well

PO Box 884, Chanute, KS 68720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-24-14	5401	Muench 1-16	16	175	33W	Scott
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
New Gulf Operating			399	Jeremy R		
MAILING ADDRESS			566	Jeff Kaselman, Bill Slope		
CITY			530-TI	Robert		
STATE	ZIP CODE			Steven Odell		

JOB TYPE 2 stage HOLE SIZE 7 7/8 HOLE DEPTH 4810 CASING SIZE & WEIGHT 5 1/2 15.5
CASING DEPTH 4809 DRILL PIPE _____ TUBING _____ OTHER PC @ 240.3
SLURRY WEIGHT 14.2/12.5 SLURRY VOL 1.42/1.8 WATER gal/sk _____ CEMENT LEFT in CASING 12.72
DISPLACEMENT 114/57 DISPLACEMENT PSI _____ MIX PSI _____ RATE 6 BPM

REMARKS: 500 gal mud flush, mixed 200 sks OWC, 5# Kalscal, clear pump + lines
Displace 60 BBL H₂O + 54 BBL mud @ 1000#, Landed Plug @ 1500#, Release Plug
release pressure, Float Hold, wait 3 hrs, open DV Tool @ 800#, mixed 400 sks
6940ppm, 80% Col, 1/4 Flu Seal, Clear Pump + Lines, Displace 57 BBL H₂O @ 700#
Landed Plug + Shut Tool @ 1600#
Complete Div Circ.

30 sks in R.H Approx 20 BBL to D.F
20 sks in M.H

Thank You, Walt, Jerry, Darin, etc.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3,175.00	3,175.00
5406	40	MILEAGE	5.25	210.00
5407A	28.75	Ton mileage Delivery	1.75	2,012.80
1126	200 SKS	OWC	23.70	4,740.00
1160A	1000#	Kalscal	1.56	560.00
1131	450 SKS	6940ppm	1.586	7137.00
1118B	3096 #	Bestonite	.27	835.92
1107	123 #	Flu Seal	2.97	335.61
1144B	500 gal	Mud Flush	1.00	500.00
4159	1	5 1/2 AFD Float Shoe	433.75	433.75
4130	10	5 1/2" Centralizers	61.00	610.00
4104	1	5 1/2" Basket	290.00	290.00
4093	1	5 1/2" DV Tool (W)	4,900.00	4,900.00
4454	1	5 1/2" Latchdown Plug (W)	567.00	567.00
				26,307.00
			Less 10% Disc.	2,630.70
				23,676.30
			SALES TAX	1,533.70
			ESTIMATED TOTAL	25,210.00

completed

Revin 3737 AUTHORIZATION: Andrew Lawrence TITLE _____ 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.



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: muench1-16dst1

TIME ON: 10:46
TIME OFF: 17:58

Company New Gulf Lease & Well No. Muench #1-16
Contractor Val Rig #4 Charge to New Gulf
Elevation 3046 KB Formation Lans I Effective Pay _____ Ft. Ticket No. S0465
Date 07-18-14 Sec. 16 Twp. 17 S Range 33 W County Scott State KANSAS
Test Approved By John Goldsmith Diamond Representative Jacob McCallie

Formation Test No. 1 Interval Tested from 4190 ft. to 4236 ft. Total Depth 4236 ft.
Packer Depth 4185 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.
Packer Depth 4190 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4171 ft. Recorder Number 5515 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4225 ft. Recorder Number 5586 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 49 Drill Collar Length 30 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 7.6 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in.
Chlorides 4,000 P.P.M. Drill Pipe Length 4127 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? No Reversed Out No Anchor Length 46 (15.5 A) 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: WSB- Died in 12 min **NOBB**
2nd Open: No Blow- No Build **NOBB**

Recovered <u>8</u> ft. of <u>OSM</u> <u>2% O 98% M</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 2% O 98% M	Total

Time Set Packer(s) 1:48 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 3:48 PM ^{A.M.}/_{P.M.} Maximum Temperature 114

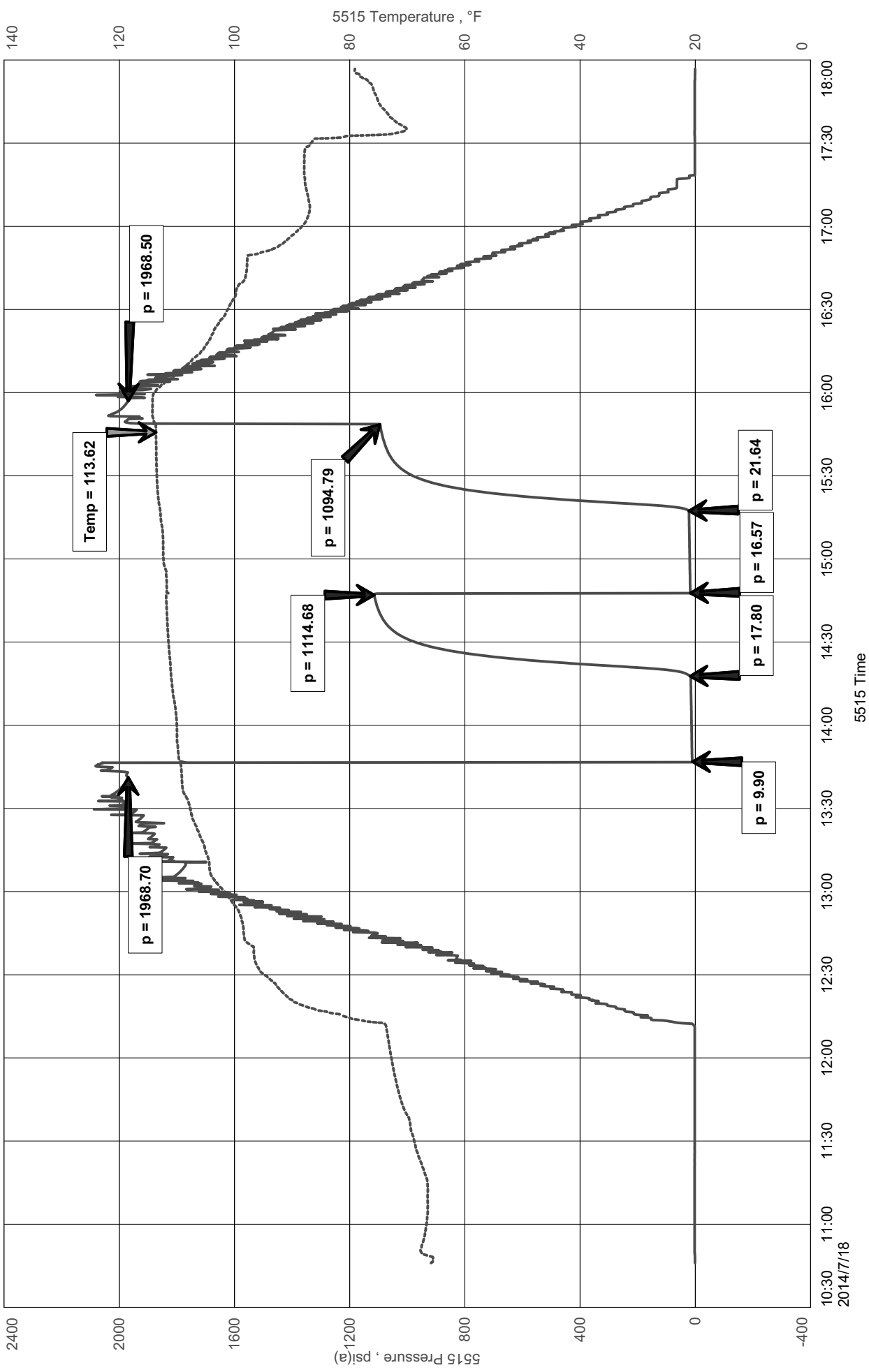
Initial Hydrostatic Pressure..... (A) 1969 P.S.I.
Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 18 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 1115 P.S.I.
Final Flow Period..... Minutes 30 (E) 17 P.S.I. to (F) 22 P.S.I.
Final Closed In Period..... Minutes 30 (G) 1095 P.S.I.
Final Hydrostatic Pressure..... (H) 1969 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.

New Gulf
DST #1 Lans. I 4190-4236'
Start Test Date: 2014/07/18
Final Test Date: 2014/07/18

Muench #1-16
Formation: DST #1 Lans. I 4190-4236'
Pool: WC
Job Number: S0465

Muench #1-16



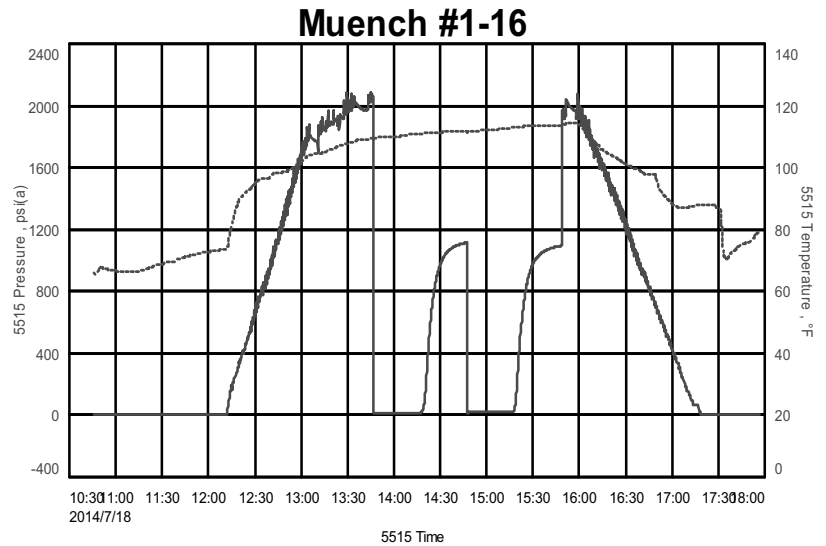
Diamond Testing LLC

General Information Report

Jacob McCallie
620-617-7116
mccallie.dtlc@gmail.com

General Information

Company Name New Gulf
Contact Jim Henkle
Well Name Muench #1-16
Unique Well ID DST #1 Lans. I 4190-4236'
Surface Location SEC 16-17S-33W Scott County
Field WC
Well Type Vertical
Test Type Drill Stem Test
Formation DST #1 Lans. I 4190-4236'
Well Fluid Type 01 Oil
Start Test Date 2014/07/18
Start Test Time 10:46:00
Final Test Date 2014/07/18
Final Test Time 17:58:00
Job Number S0465
Representative Jacob McCallie
Report Date 2014/07/18
Qualified By John Goldsmith



Test Results

RECOVERED:
8' OSM 2% O 98% M

TOOL SAMPLE:
2% O 98% M



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: muench1-16dst2

TIME ON: 03:34
TIME OFF: 10:17

Company New Gulf Lease & Well No. Muench #1-16
Contractor Val Rig #4 Charge to New Gulf
Elevation 3046 KB Formation Swope Effective Pay _____ Ft. Ticket No. S0466
Date 07-19-14 Sec. 16 Twp. 17 S Range 33 W County Scott State KANSAS
Test Approved By John Goldsmith Diamond Representative Jacob McCallie

Formation Test No. 2 Interval Tested from 4255 ft. to 4301 ft. Total Depth 4301 ft.
Packer Depth 4250 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.
Packer Depth 4255 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4236 ft. Recorder Number 5515 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4291 ft. Recorder Number 5586 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 49 Drill Collar Length 30 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 7.6 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in.
Chlorides 4,000 P.P.M. Drill Pipe Length 4192 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? No Reversed Out No Anchor Length 46 (14.5 A) 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: 1/4" Blow- Built to 11 3/4" in 30 min **NOBB**
2nd Open: No Blow- Built to 11 1/4" in 30 min **NOBB**

Recovered 103 ft. of HWCM 30% W 70% M
Recovered 189 ft. of MCW 74% W 26% M
Recovered 292 ft. of TOTAL FLUID

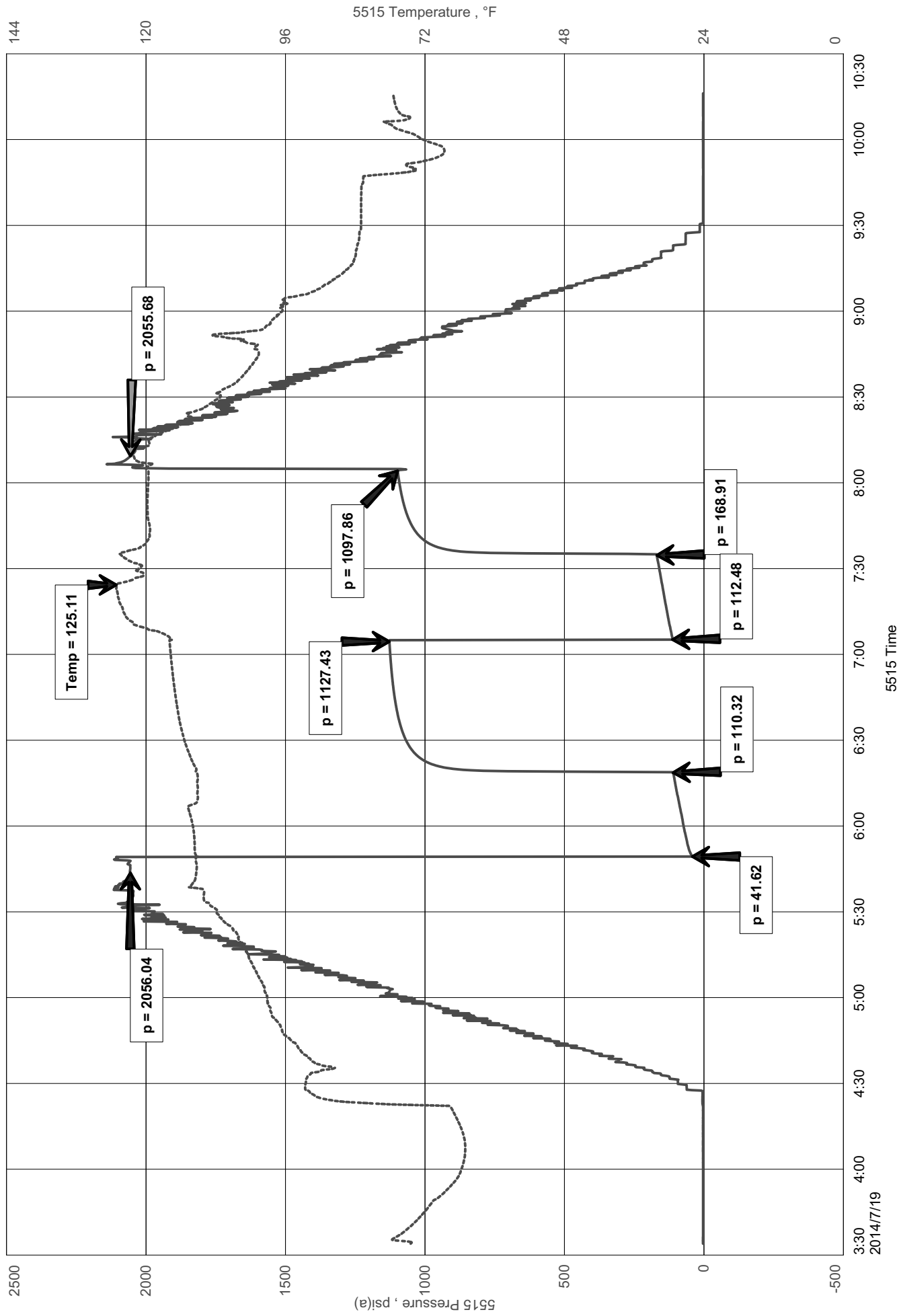
Recovered _____ ft. of <u>PH: 8</u>	
Recovered _____ ft. of <u>RW: .23 @ 68 degrees F</u>	Price Job
Recovered _____ ft. of <u>Chlorides: 29,000 ppm</u>	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 82% W 18% M (few oil specks)	Total

Time Set Packer(s) 5:50 AM ^{A.M.}/_{P.M.} Time Started Off Bottom 8:05 AM ^{A.M.}/_{P.M.} Maximum Temperature 125

Initial Hydrostatic Pressure..... (A) 2056 P.S.I.
Initial Flow Period..... Minutes 30 (B) 42 P.S.I. to (C) 110 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1127 P.S.I.
Final Flow Period..... Minutes 30 (E) 112 P.S.I. to (F) 169 P.S.I.
Final Closed In Period..... Minutes 30 (G) 1098 P.S.I.
Final Hydrostatic Pressure..... (H) 2056 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.

Muench #1-16



Diamond Testing LLC

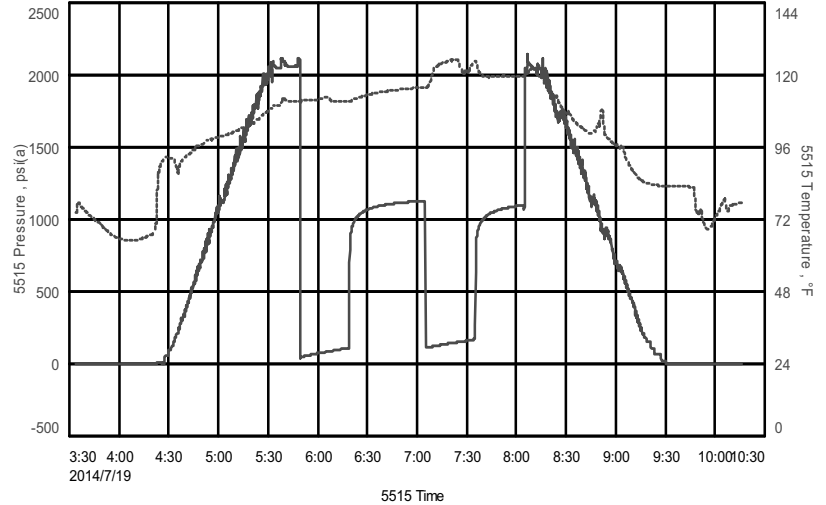
General Information Report

Jacob McCallie
620-617-7116
mccallie.dtlc@gmail.com

General Information

Company Name New Gulf
Contact Jim Henkle
Well Name Muench #1-16
Unique Well ID DST #2 Swope 4255-4301'
Surface Location SEC 16-17S-33W Scott County
Field WC
Well Type Vertical
Test Type Drill Stem Test
Formation DST #2 Swope 4255-4301'
Well Fluid Type 06 Water
Start Test Date 2014/07/19
Start Test Time 03:34:00
Final Test Date 2014/07/19
Final Test Time 10:17:00
Job Number S0466
Representative Jacob McCallie
Report Date 2014/07/19
Qualified By John Goldsmith

Muench #1-16



Test Results

RECOVERY:

103'	HWCM	30% W 70% M
189'	MCW	74% W 26% M
292'	TOTAL FLUID	

PH: 8

RW: .23 @ 68 degrees F

Chlorides: 29,000 ppm

TOOL SAMPLE:

82% W 18% M (few oil specks)



DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: muench1-16dst3

TIME ON: 7-19 19:29
 TIME OFF: 7-20 04:05

Company New Gulf Lease & Well No. Muench #1-16
 Contractor Val Rig #4 Charge to New Gulf
 Elevation 3046 KB Formation Hertha Effective Pay _____ Ft. Ticket No. S0467
 Date 07-19-14 Sec. 16 Twp. 17 S Range 33 W County Scott State KANSAS
 Test Approved By John Goldsmith Diamond Representative Jacob McCallie

Formation Test No. 3 Interval Tested from 4296 ft. to 4343 ft. Total Depth 4343 ft.

Packer Depth 4291 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Packer Depth 4296 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4277 ft. Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4332 ft. Recorder Number 5586 Cap. 5,000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 46 Drill Collar Length 30 ft. I.D. 2 1/4 in.

Weight 9.1 Water Loss 8.8 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in.

Chlorides 4,200 P.P.M. Drill Pipe Length 4233 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.

Did Well Flow? No Reversed Out No Anchor Length 47 (15.5A) 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: 1/2" Blow- Built to BB in 9 3/4 min 6" BB

2nd Open: 1/2" Blow- Built to BB in 12 min 2" BB

Recovered 315 ft. of GIP

Recovered 382 ft. of CO 100% O GRAVITY: 27 @ 60 degrees F

Recovered 220 ft. of SLW&GCHMCO 12% G 50% O 7% W 31% M

Recovered 602 ft. of TOTAL FLUID

Recovered _____ ft. of _____ Price Job _____

Recovered _____ ft. of _____ Other Charges _____

Remarks: _____ Insurance _____

TOOL SAMPLE: 75% O 5% W 20% M Total _____

Time Set Packer(s) 7-19 9:50 AM ^{A.M.}/_{P.M.} Time Started Off Bottom 7-20 12:50 AM ^{A.M.}/_{P.M.} Maximum Temperature 123

Initial Hydrostatic Pressure..... (A) 2038 P.S.I.

Initial Flow Period..... Minutes 30 (B) 18 P.S.I. to (C) 128 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 1110 P.S.I.

Final Flow Period..... Minutes 45 (E) 137 P.S.I. to (F) 247 P.S.I.

Final Closed In Period..... Minutes 60 (G) 1096 P.S.I.

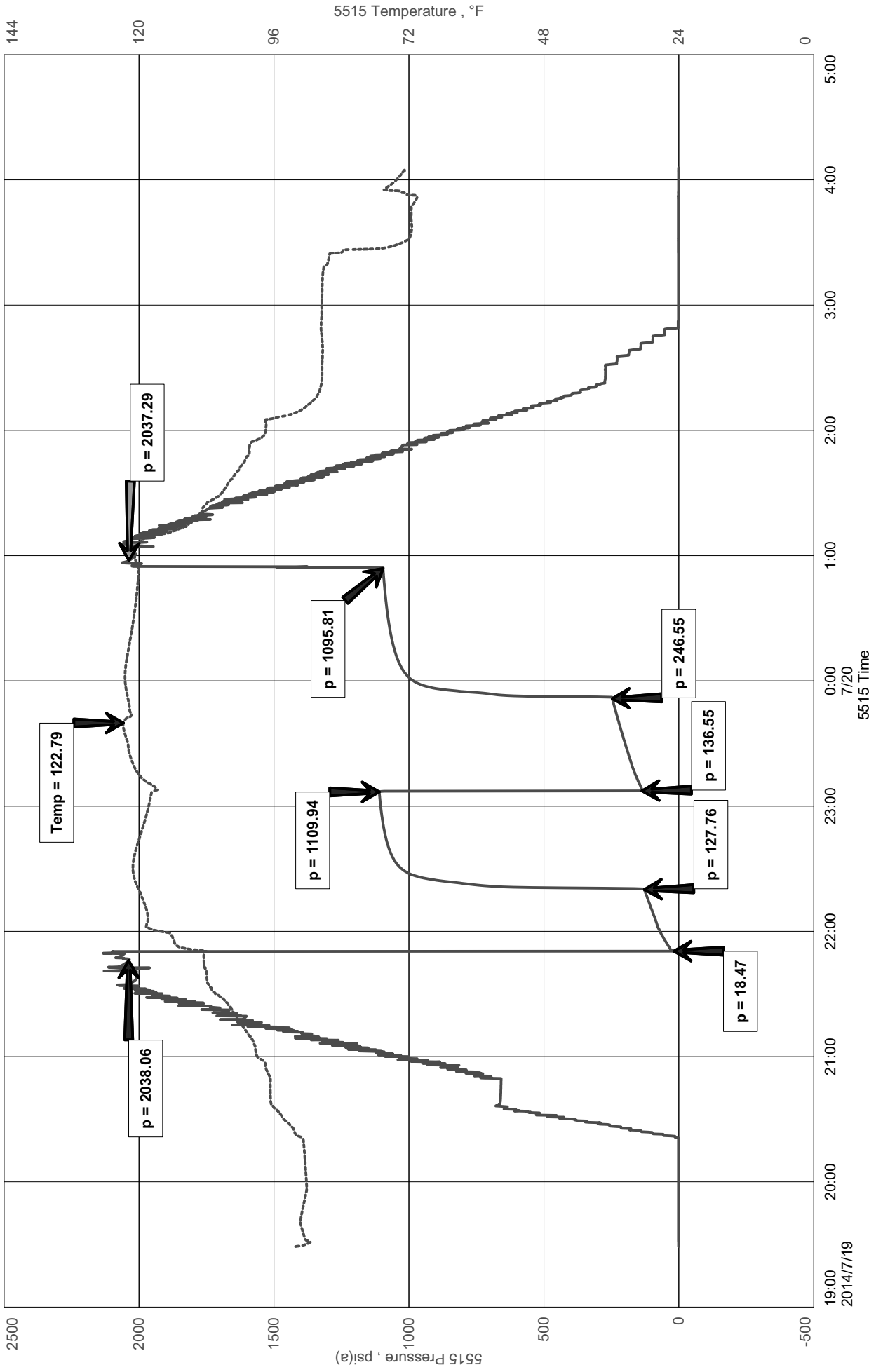
Final Hydrostatic Pressure..... (H) 2037 P.S.I.

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New Gulf
DST #3 Hertha 4296-4343'
Start Test Date: 2014/07/19
Final Test Date: 2014/07/20

Muench #1-16
Formation: DST #3 Hertha 4296-4343'
Pool: WC
Job Number: S0467

Muench #1-16



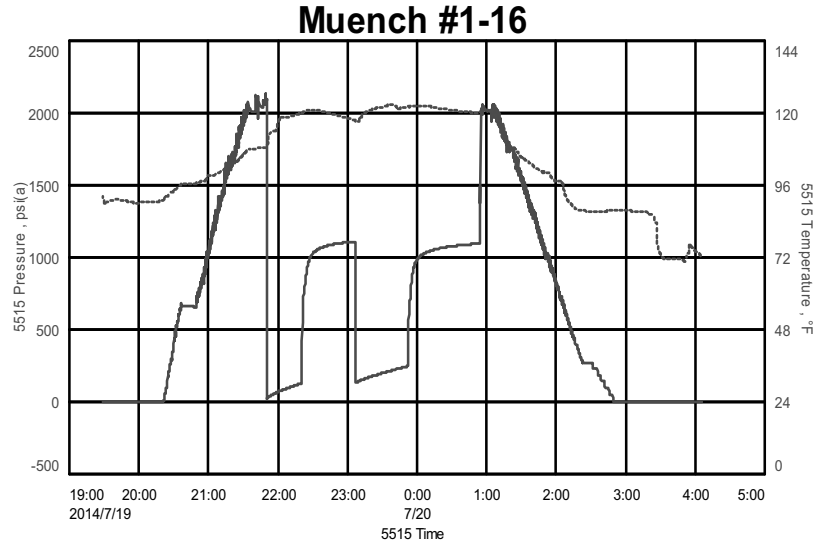
Diamond Testing LLC

General Information Report

Jacob McCallie
620-617-7116
mccallie.dtlc@gmail.com

General Information

Company Name New Gulf
Contact Jim Henkle
Well Name Muench #1-16
Unique Well ID DST #3 Hertha 4296-4343'
Surface Location SEC 16-17S-33W Scott County
Field WC
Well Type Vertical
Test Type Drill Stem Test
Formation DST #3 Hertha 4296-4343'
Well Fluid Type 01 Oil
Start Test Date 2014/07/19
Start Test Time 19:29:00
Final Test Date 2014/07/20
Final Test Time 04:05:00
Job Number S0467
Representative Jacob McCallie
Report Date 2014/07/19
Qualified By John Goldsmith



Test Results

RECOVERY:

315' GIP
382' CO
220' SLW&GCHMCO
602' TOTAL FLUID

100% O GRAVITY: 27 @ 60 degrees F
12% G 50% O 7% W 31% M

TOOL SAMPLE:

75% O 5% W 20% M



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: muench1-16dst4

TIME ON: 09:53
TIME OFF: 17:55

Company New Gulf Lease & Well No. Muench #1-16
Contractor Val Rig #4 Charge to New Gulf
Elevation 3046 KB Formation Ft. Scott Effective Pay _____ Ft. Ticket No. S0468
Date 7-21-14 Sec. 16 Twp. 17 S Range 33 W County Scott State KANSAS
Test Approved By John Goldsmith Diamond Representative Jacob McCallie

Formation Test No. 4 Interval Tested from 4394 ft. to 4556 ft. Total Depth 4556 ft.

Packer Depth 4389 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Packer Depth 4394 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4375 ft. Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4523 ft. Recorder Number 5586 Cap. 5,000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 55 Drill Collar Length 30 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 9.6 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in.

Chlorides 5,400 P.P.M. Drill Pipe Length 4331 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.

Did Well Flow? No Reversed Out No Anchor Length 162 (36.5 A) 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: 1 1/4" Blow- Built to BB in 17 1/2 min 1" BB

2nd Open: 3/4" Blow- Built to BB in 15 1/2 min 7 1/2" BB

Recovered 625 ft. of GIP

Recovered 45 ft. of CO 100% O GRAVITY: 27 @ 60 degrees F

Recovered 275 ft. of SLGCHMCO 9% G 57% O 34% M

Recovered 320 ft. of TOTAL FLUID

Recovered _____ ft. of _____ Price Job _____

Recovered _____ ft. of _____ Other Charges _____

Remarks: _____ Insurance _____

TOOL SAMPLE: 65% O 35% M Total _____

Time Set Packer(s) 12:25 PM A.M. P.M. Time Started Off Bottom 3:40 PM A.M. P.M. Maximum Temperature 122

Initial Hydrostatic Pressure..... (A) 2187 P.S.I.

Initial Flow Period..... Minutes 30 (B) 32 P.S.I. to (C) 72 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 1233 P.S.I.

Final Flow Period..... Minutes 60 (E) 75 P.S.I. to (F) 137 P.S.I.

Final Closed In Period..... Minutes 60 (G) 1116 P.S.I.

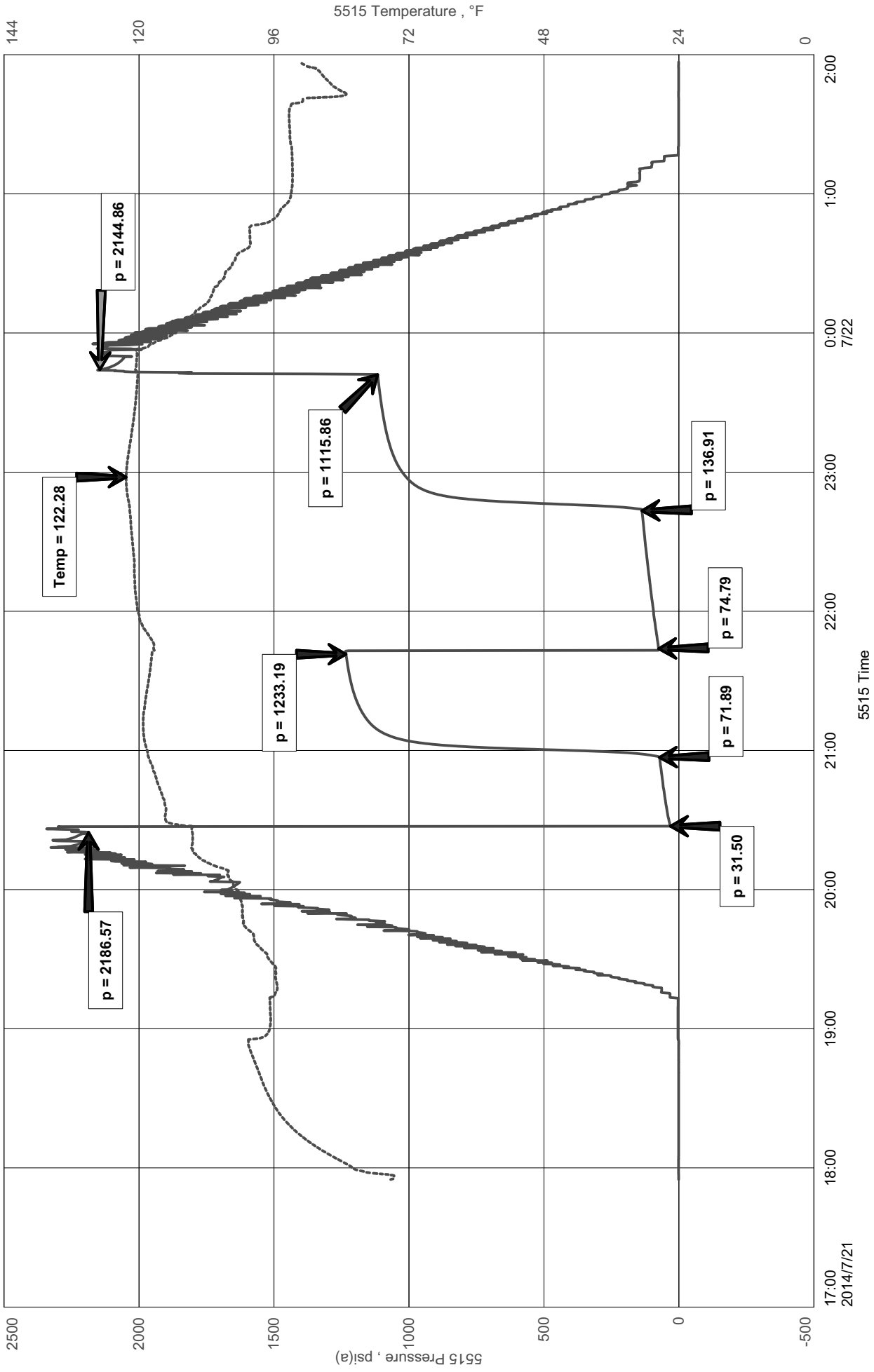
Final Hydrostatic Pressure..... (H) 2145 P.S.I.

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.

New Gulf
DST #4 Ft. Scott 4394-4556'
Start Test Date: 2014/07/21
Final Test Date: 2014/07/21

Muench #1-16
Formation: DST #4 Ft. Scott 4394-4556'
Pool: WC
Job Number: S0468

Muench #1-16



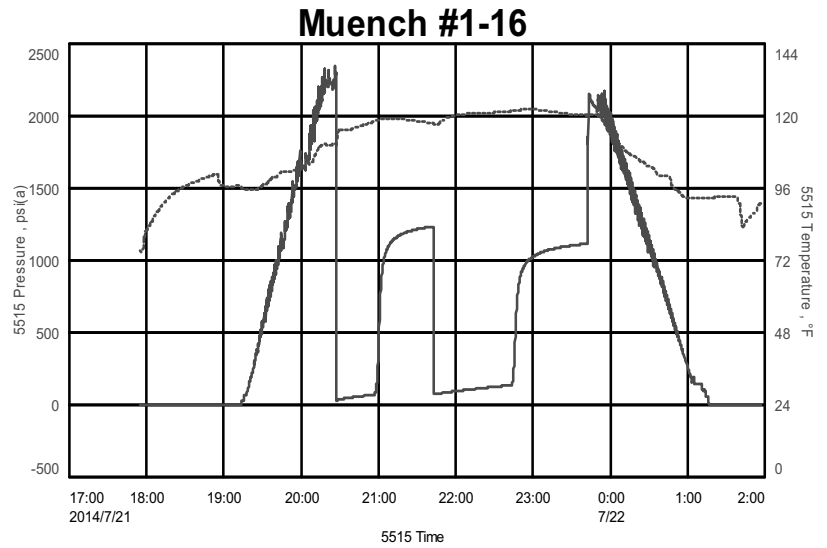
Diamond Testing LLC

General Information Report

Jacob McCallie
620-617-7116
mccallie.dtlc@gmail.com

General Information

Company Name New Gulf
Contact Jim Henkle
Well Name Muench #1-16
Unique Well ID DST #4 Ft. Scott 4394-4556'
Surface Location SEC 16-17S-33W Scott County
Field WC
Well Type Vertical
Test Type Drill Stem Test
Formation DST #4 Ft. Scott 4394-4556'
Well Fluid Type 01 Oil
Start Test Date 2014/07/21
Start Test Time 09:53:00
Final Test Date 2014/07/21
Final Test Time 17:55:00
Job Number S0468
Representative Jacob McCallie
Report Date 2014/07/21
Qualified By John Goldsmith



Test Results

RECOVERED:

625'	GIP		
45'	CO	100% O	GRAVITY: 27 @ 60 degrees F
275'	SLGCHMCO	9% G 57% O 34% M	
320'	TOTAL FLUID		

TOOL SAMPLE:

65% O 35% M



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: muench1-16dst5

TIME ON: 14:36
TIME OFF: 21:32

Company New Gulf Lease & Well No. Muench #1-16
Contractor Val Rig #4 Charge to New Gulf
Elevation 3046 KB Formation Atoka Effective Pay _____ Ft. Ticket No. S0469
Date 7-22-14 Sec. 16 Twp. 17 S Range 33 W County Scott State KANSAS
Test Approved By John Goldsmith Diamond Representative Jacob McCallie

Formation Test No. 5 Interval Tested from 4578 ft. to 4714 ft. Total Depth 4714 ft.

Packer Depth 4573 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Packer Depth 4578 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4559 ft. Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4675 ft. Recorder Number 5586 Cap. 5,000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 45 Drill Collar Length 30 ft. I.D. 2 1/4 in.

Weight 9.3 Water Loss 9.6 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in.

Chlorides 5,000 P.P.M. Drill Pipe Length 4515 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.

Did Well Flow? No Reversed Out No Anchor Length 136 (42A) 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: 1/4" Blow- Built to 2" in 30 min **NOBB**

2nd Open: WSB- Built to 4" in 30 min **NOBB**

Recovered 84 ft. of SLOCM 12% O 88% M

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: 27% O 73% M

Time Set Packer(s) 5:06 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 7:06 PM ^{A.M.}/_{P.M.} Maximum Temperature 118

Initial Hydrostatic Pressure..... (A) 2225 P.S.I.

Initial Flow Period..... Minutes 30 (B) 17 P.S.I. to (C) 32 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 987 P.S.I.

Final Flow Period..... Minutes 30 (E) 36 P.S.I. to (F) 43 P.S.I.

Final Closed In Period..... Minutes 30 (G) 575 P.S.I.

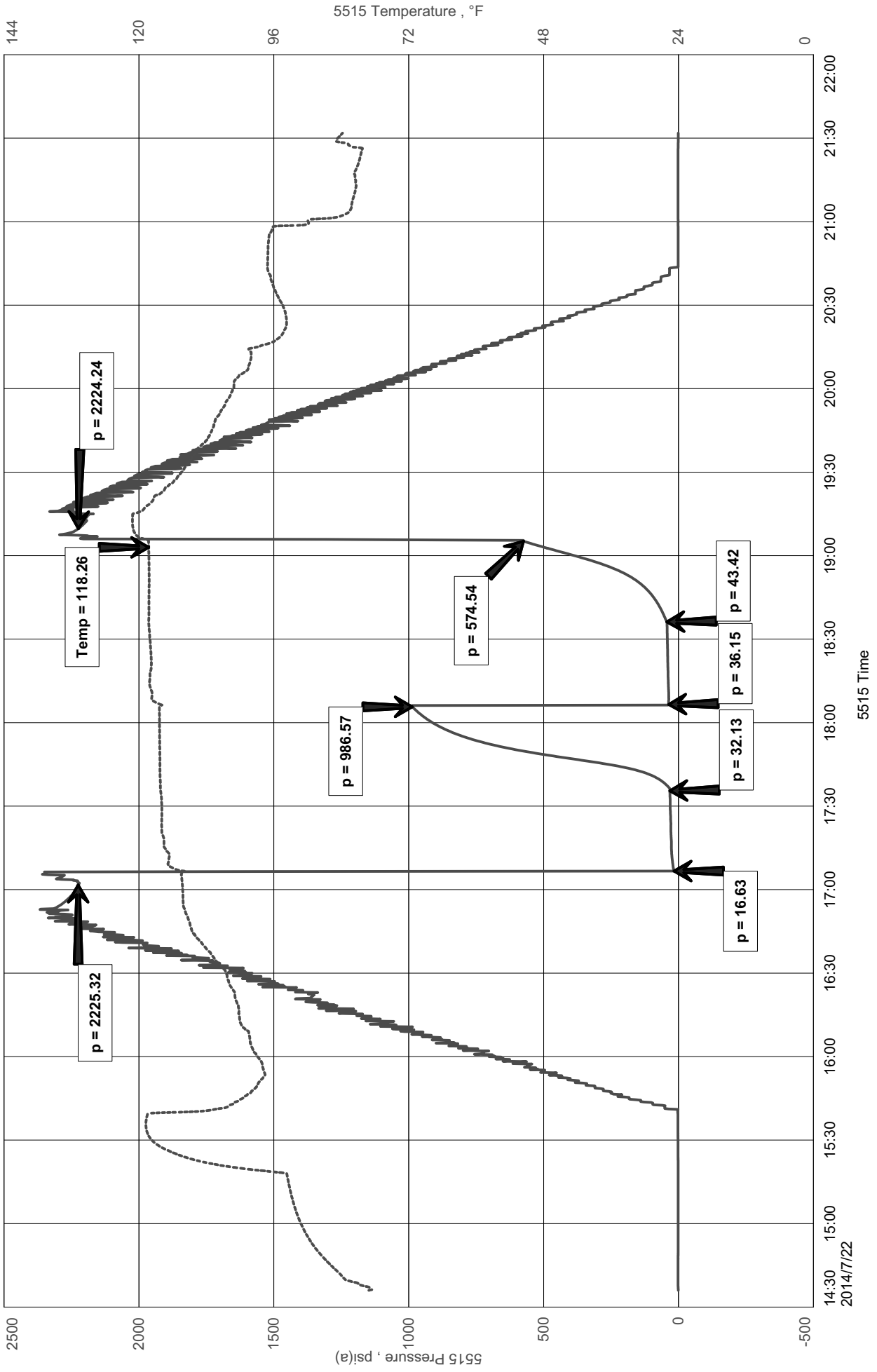
Final Hydrostatic Pressure..... (H) 2224 P.S.I.

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.

New Gulf
DST #1 Atoka 4578-4714'
Start Test Date: 2014/07/22
Final Test Date: 2014/07/22

Muench #1-16
Formation: DST #1 Atoka 4578-4714'
Pool: WC
Job Number: S0469

Muench #1-16



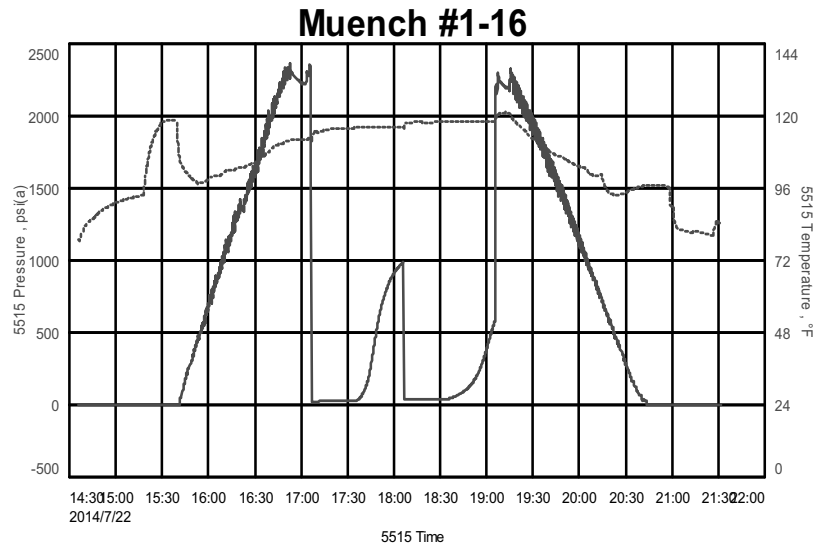
Diamond Testing LLC

General Information Report

Jacob McCallie
620-617-7116
mccallie.dtlc@gmail.com

General Information

Company Name	New Gulf	Contact	Jim Henkle
Well Name	Muench #1-16	Unique Well ID	DST #1 Atoka 4578-4714'
Surface Location	SEC 16-17S-33W Scott County	Field	WC
Well Type	Vertical	Test Type	Drill Stem Test
Formation	DST #1 Atoka 4578-4714'	Well Fluid Type	01 Oil
Start Test Date	2014/07/22	Start Test Time	14:36:00
Final Test Date	2014/07/22	Final Test Time	21:32:00
Job Number	S0469	Representative	Jacob McCallie
Report Date	2014/07/22	Qualified By	John Goldsmith



Test Results

RECOVERY: 84' SLOCM 12% O 88% M

TOOL SAMPLE: 27% O 73% M

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



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

Shari Feist Albrecht, Chair
Jay Scott Emler, Commissioner
Pat Apple, Commissioner

Sam Brownback, Governor

November 10, 2014

Jim Henkle
New Gulf Operating LLC
10441 S. REGAL BLVD..
STE 210
TULSA, OK 74133

Re: ACO-1
API 15-171-21074-00-00
Muench 1-16
SE/4 Sec.16-17S-33W
Scott County, Kansas

Dear Jim Henkle:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 07/11/2014 and the ACO-1 was received on November 10, 2014 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department