



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1219880  
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: \_\_\_\_\_

1219880

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	New Gulf Operating LLC
Well Name	Farr 1-11
Doc ID	1219880

Tops

Name	Top	Datum
Heebner SHale	4008	-886
Lancing	4048	-926
Muncie Creek Shale	4246	-1124
Stark Shale	4349	-1227
Hushpuckney Shale	4395	-1273
Base of KC	4438	-1316
Marmaton	4508	-1386
Pawnee	4586	--1464
Little Osage Shale	4608	-1486
Excello Shale	4624	-1502
Cherokee Shale	4653	-1531
Johnson Zone	4701	-1579
Morrow	4848	-1726





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: farr1-11DST1

TIME ON: 14:48  
TIME OFF: 22:30

Company New Gulf Lease & Well No. Farr #1-11  
Contractor Val Rig #4 Charge to New Gulf  
Elevation 3122 KB Formation Lan A Effective Pay \_\_\_\_\_ Ft. Ticket No. S0461  
Date 7-3-14 Sec. 11 Twp. 18 S Range 34 W County Scott State KANSAS  
Test Approved By John Goldsmith Diamond Representative Jacob McCallie

Formation Test No. 1 Interval Tested from 4043 ft. to 4080 ft. Total Depth 4080 ft.

Packer Depth 4038 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Packer Depth 4043 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4024 ft. Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4046 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 29 ft. I.D. 2 1/4 in.

Weight 8.9 Water Loss 7.2 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in

Chlorides 4,400 P.P.M. Drill Pipe Length 3981 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 37 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" Blow- Built to BB in 7 min **NOBB**

2nd Open: 1/2" Blow- Built to BB in 8 1/2 min **NOBB**

Recovered 71 ft. of HMCW 60% W 40% M (few oil specks)

Recovered 384 ft. of SLMCW 93% W 7% M (few oil specks)

Recovered 455 ft. of TOTAL FLUID

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of PH: 7 Price Job \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of RW: .19 @ 70 degrees F Other Charges \_\_\_\_\_

Remarks: Chlorides: 35,000 ppm Insurance \_\_\_\_\_

TOOL SAMPLE: 98% W 2% M (few oil specks) Total \_\_\_\_\_

Time Set Packer(s) 5:18 PM <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 7:48 PM <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 122

Initial Hydrostatic Pressure..... (A) 1907 P.S.I.

Initial Flow Period..... Minutes 30 (B) 33 P.S.I. to (C) 221 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 1060 P.S.I.

Final Flow Period..... Minutes 30 (E) 227 P.S.I. to (F) 382 P.S.I.

Final Closed In Period..... Minutes 45 (G) 1053 P.S.I.

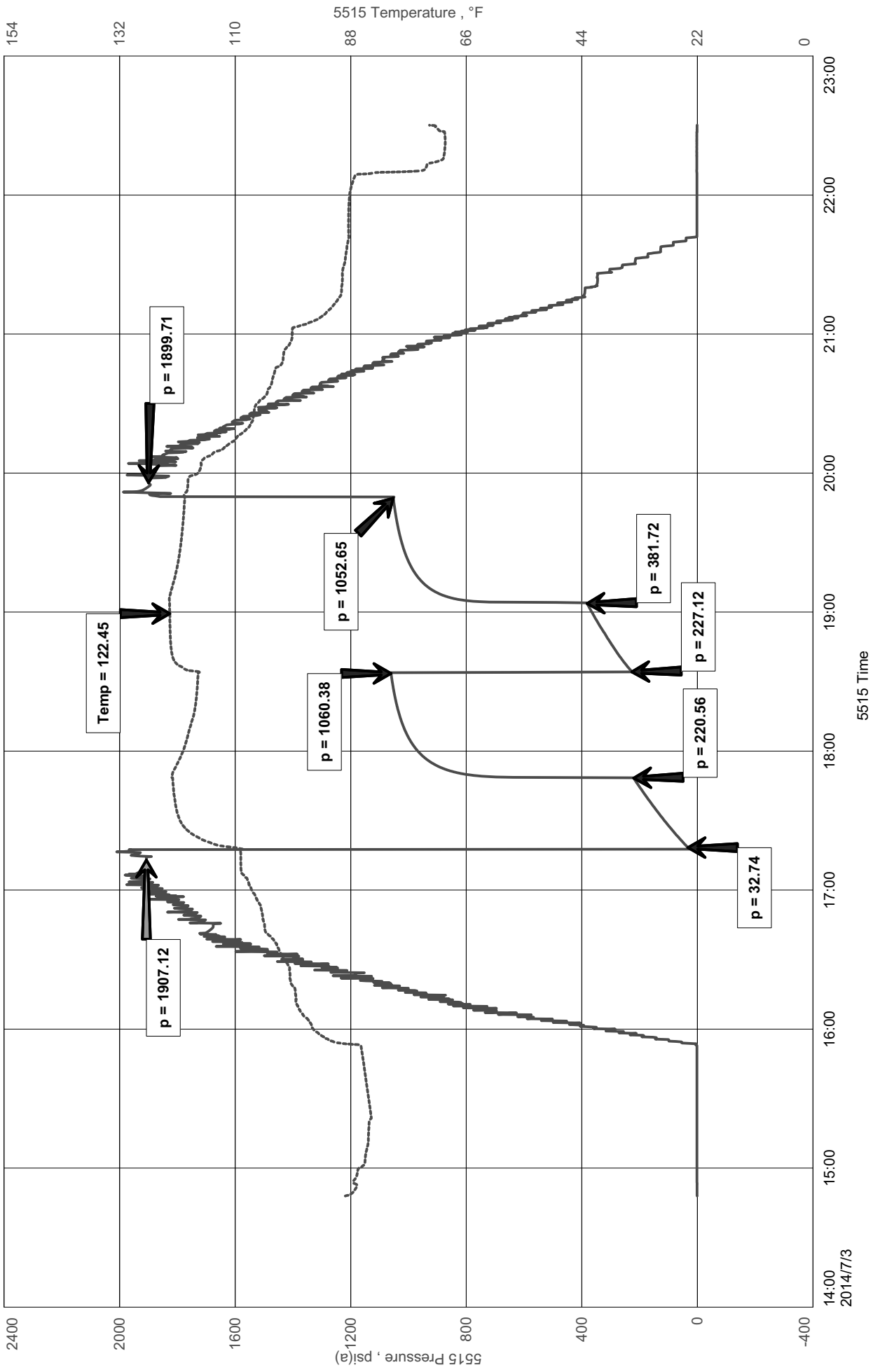
Final Hydrostatic Pressure..... (H) 1900 P.S.I.

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 A 4043-4080'  
Start Test Date: 2014/07/03  
Final Test Date: 2014/07/03

Farr #1-11  
Formation: DST #1 Lans A 4043-4080'  
Pool: WC  
Job Number: S0461

# Farr #1-11



# Diamond Testing LLC

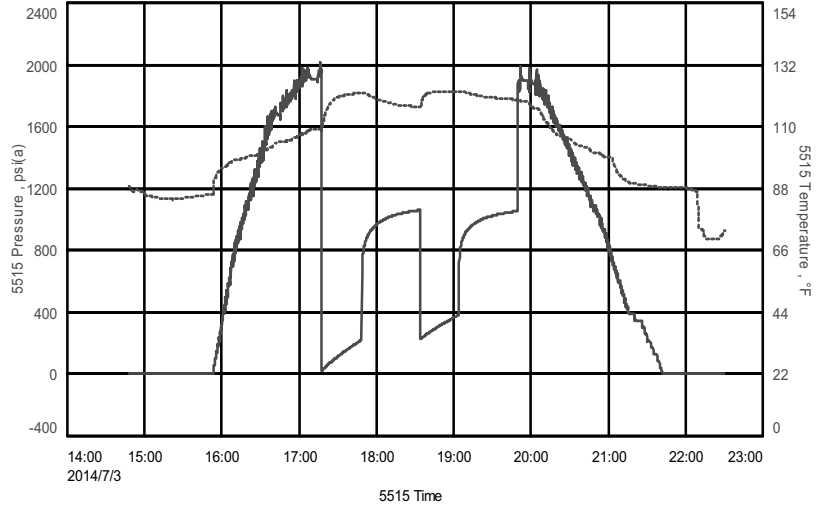
## General Information Report

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

### General Information

Company Name New Gulf  
Contact Jim Henkle  
Well Name Farr #1-11  
Unique Well ID DST #1 Lans A 4043-4080'  
Surface Location SEC 11-18S-34W Scott County  
Field Prime Pork  
Well Type Vertical  
Test Type Drill Stem Test  
Formation DST #1 Lans A 4043-4080'  
Well Fluid Type 06 Water  
Start Test Date 2014/07/03  
Start Test Time 14:48:00  
Final Test Date 2014/07/03  
Final Test Time 22:30:00  
Job Number S0461  
Representative Jacob McCallie  
Report Date 2014/07/03  
Qualified By John Goldsmith

### Farr #1-11



### Test Results

#### RECOVERY:

71'	HMCW	60% W 40% M	(few oil specks)
384'	SLMCW	93% W 7% M	(few oil specks)
455'	TOTAL FLUID		

PH: 7

RW: .19 @ 70 degrees F

Chlorides: 35,000 PPM

TOOL SAMPLE: 98% W 2% M





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: farr1-11DST2

TIME ON: 7-4 23:32  
TIME OFF: 7-5 06:27

Company New Gulf Lease & Well No. Farr #1-11  
Contractor Val Rig #4 Charge to New Gulf  
Elevation 3122 KB Formation \_\_\_\_\_ Lan I Effective Pay \_\_\_\_\_ Ft. Ticket No. S0462  
Date 7-5-14 Sec. 11 Twp. \_\_\_\_\_ 18 S Range \_\_\_\_\_ 34 W County \_\_\_\_\_ Scott State KANSAS  
Test Approved By John Goldsmith Diamond Representative Jacob McCallie

Formation Test No. 2 Interval Tested from 4266 ft. to 4318 ft. Total Depth 4318 ft.

Packer Depth 4261 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Packer Depth 4266 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4247 ft. Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4302 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 47 Drill Collar Length 29 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 6,600 P.P.M. Drill Pipe Length 4204 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 52 (20.5A) 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: WSB- Died in 15 min **NOBB**

2nd Open: WSB- Died in 3 mins **NOBB**

Recovered 8 ft. of MUD 100%M

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_

TOOL SAMPLE: 100% M Total \_\_\_\_\_

Time Set Packer(s) 1:56 AM A.M. P.M. Time Started Off Bottom 3:56 AM A.M. P.M. Maximum Temperature 115

Initial Hydrostatic Pressure..... (A) 2033 P.S.I.

Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 14 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 859 P.S.I.

Final Flow Period..... Minutes 30 (E) 15 P.S.I. to (F) 17 P.S.I.

Final Closed In Period..... Minutes 30 (G) 830 P.S.I.

Final Hydrostatic Pressure..... (H) 2031 P.S.I.

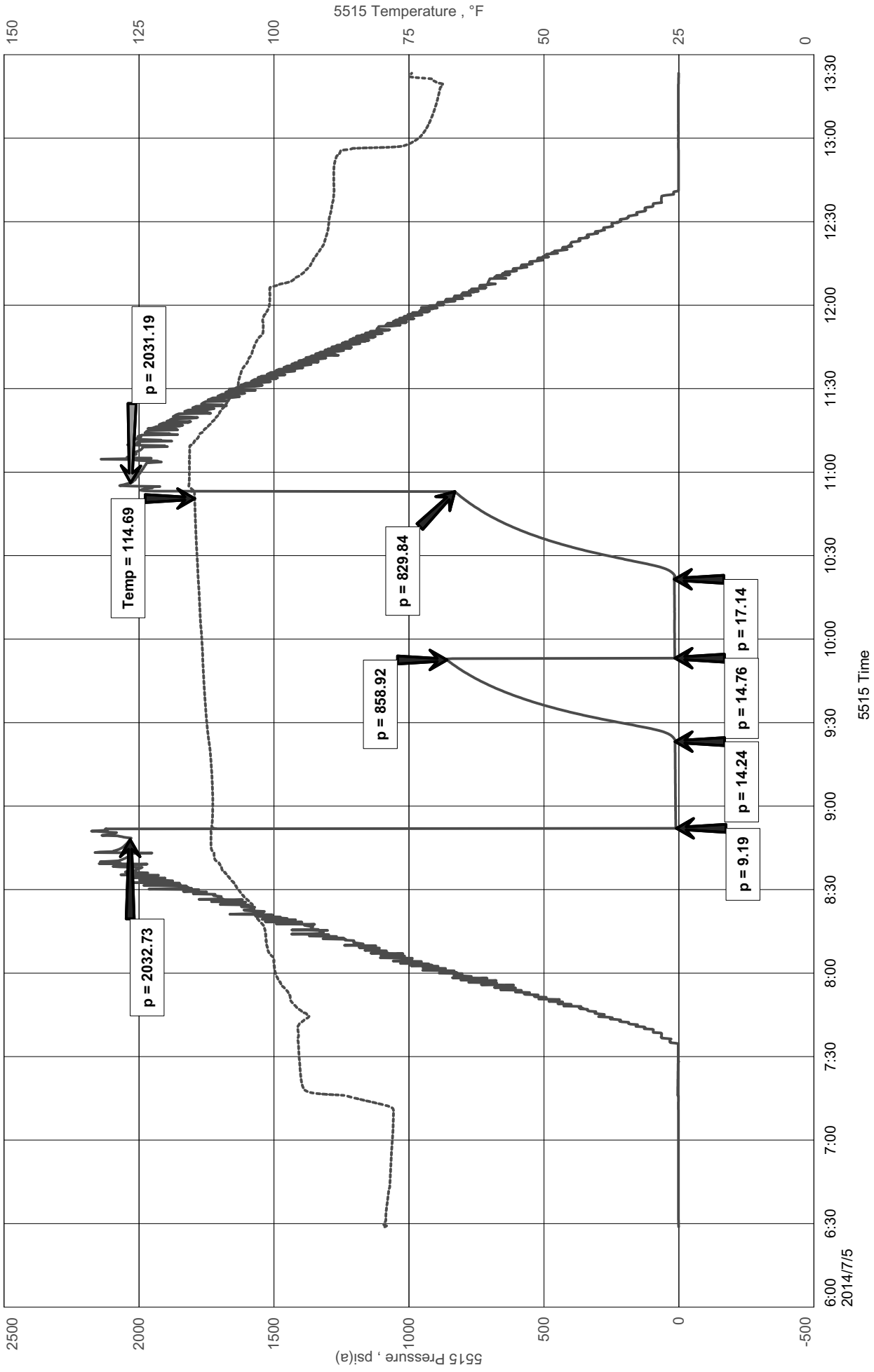
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New Gulf  
 DST #2 Lans "1" 4266-4318'  
 Start Test Date: 2014/07/04  
 Final Test Date: 2014/07/05

Farr #1-11  
 Formation: DST #2 Lans "1" 4266-4318'  
 Pool: WC  
 Job Number: S0462

# Farr #1-11



# Diamond Testing LLC

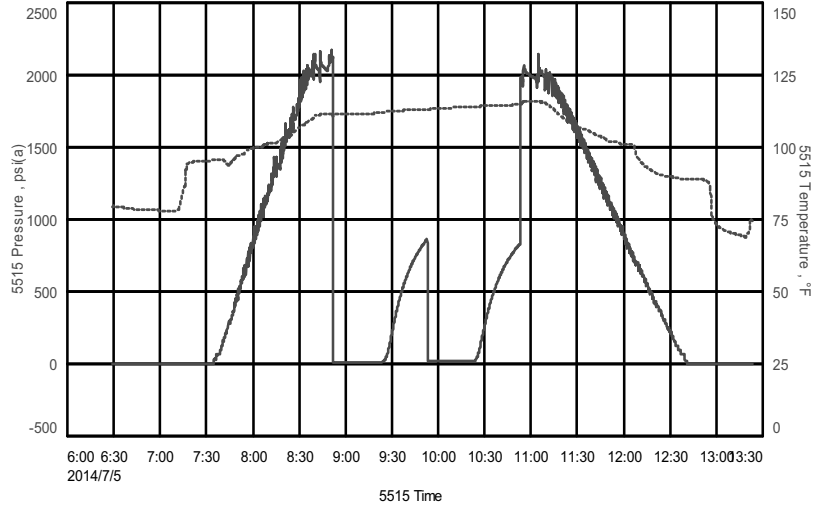
## General Information Report

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

### General Information

Company Name	New Gulf	Contact	Jim Henkle
Well Name			Farr #1-11
Unique Well ID	DST #2 Lans "I" 4266-4318'		
Surface Location	SEC 11-18S-34W		Scott County
Field			Prime Pork
Well Type			Vertical
Test Type			Drill Stem Test
Formation	DST #2 Lans "I" 4266-4318'		
Well Fluid Type			01 Oil
Start Test Date			2014/07/04
Start Test Time			23:32:00
Final Test Date			2014/07/05
Final Test Time			06:27:00
Job Number			S0462
Representative			Jacob McCallie
Report Date			2014/07/05
Qualified By			John Goldsmith

### Farr #1-11



### Test Results

RECOVERY: 8' MUD 100% M

TOOL SAMPLE: 100% M



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: farr1-11DST3

TIME ON: 08:23  
TIME OFF: 17:01

Company New Gulf Lease & Well No. Farr #1-11  
Contractor Val Rig #4 Charge to New Gulf  
Elevation 3122 KB Formation Altamont "A" Effective Pay \_\_\_\_\_ Ft. Ticket No. S0463  
Date 7-6-14 Sec. 11 Twp. 18 S Range 34 W County Scott State KANSAS  
Test Approved By John Goldsmith Diamond Representative Jacob McCallie

Formation Test No. 3 Interval Tested from 4470 ft. to 4550 ft. Total Depth 4550 ft.

Packer Depth 4465 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Packer Depth 4470 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4451 ft. Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4536 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 52 Drill Collar Length 29 ft. I.D. 2 1/4 in.

Weight 9.4 Water Loss 10 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in.

Chlorides 8,000 P.P.M. Drill Pipe Length 4408 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 80 (16.5A) 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" Blow- Built to BB in 6 min 10" BB

2nd Open: 1" Blow- Built to BB in 6 min BBBB

Recovered 1575 ft. of GIP

Recovered 25 ft. of HMCO 70% O 30% M

Recovered 441 ft. of CO 100% O GRAVITY: 26 @ 60 degrees F

Recovered 315 ft. of HOCM 42% O 58% M

Recovered 781 ft. of TOTAL FLUID

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_

TOOL SAMPLE: 62% O 38% M

Time Set Packer(s) 10:43 AM <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 1:43 PM <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 127

Initial Hydrostatic Pressure..... (A) 2147 P.S.I.

Initial Flow Period..... Minutes 30 (B) 25 P.S.I. to (C) 164 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 1221 P.S.I.

Final Flow Period..... Minutes 45 (E) 173 P.S.I. to (F) 316 P.S.I.

Final Closed In Period..... Minutes 60 (G) 1207 P.S.I.

Final Hydrostatic Pressure..... (H) 2146 P.S.I.

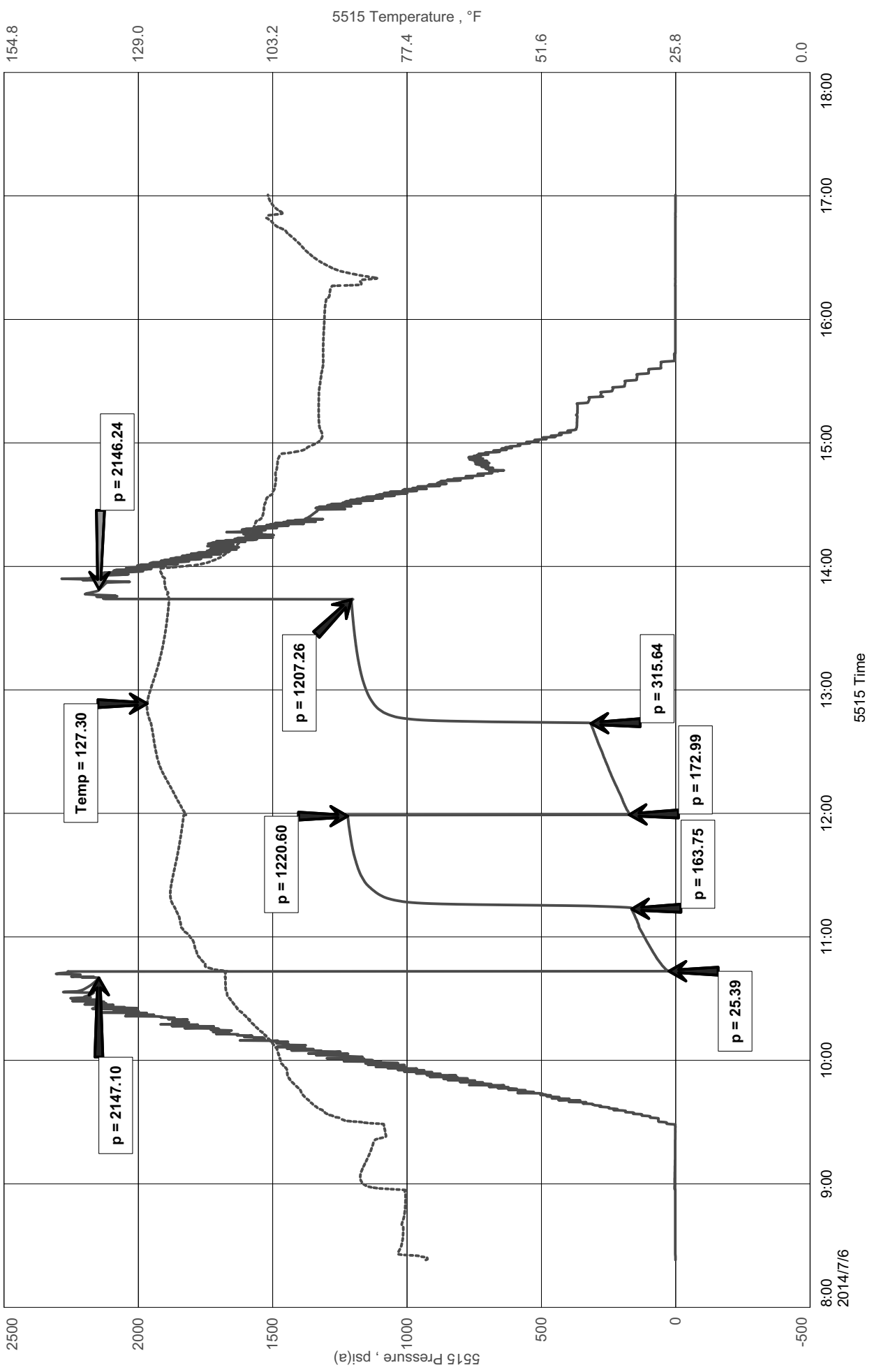
Price Job	
Other Charges	
Insurance	
Total	

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Farr #1-11  
 Formation: DST #3 Altamont "A" 4470-4550'  
 Pool: WC  
 Job Number: S0463

New Gulf  
 DST #3 Altamont "A" 4470-4550'  
 Start Test Date: 2014/07/06  
 Final Test Date: 2014/07/06

# Farr #1-11



# Diamond Testing LLC

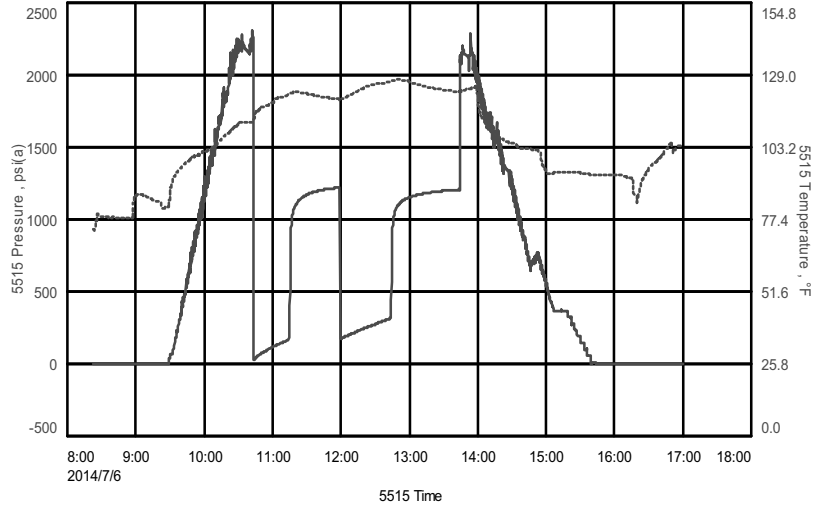
## General Information Report

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

### General Information

Company Name	New Gulf	Contact	Jim Henkle
Well Name	Farr #1-11	Unique Well ID	DST #3 Altamont "A" 4470-4550'
Surface Location	SEC 11-18S-34W	Field	Scott County Prime Pork
Well Type	Vertical	Test Type	Drill Stem Test
Formation	DST #3 Altamont "A" 4470-4550'	Well Fluid Type	01 Oil
Start Test Date	2014/07/06	Start Test Time	08:23:00
Final Test Date	2014/07/06	Final Test Time	17:01:00
Job Number	S0463	Representative	Jacob McCallie
Report Date	2014/07/06	Qualified By	John Goldsmith

### Farr #1-11



### Test Results

#### RECOVERY:

1575'	GIP	
25'	HMCO	70% O 30% M
441'	CO	100% O
315'	HOCM	42% O 58% M
781'	TOTAL FLUID	

GRAVITY: 26 @ 60 degrees F

#### TOOL SAMPLE:

62% O 38% M



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: farr1-11DST4

TIME ON: 05:50  
TIME OFF: 13:21

Company New Gulf Lease & Well No. Farr #1-11  
Contractor Val Rig #4 Charge to New Gulf  
Elevation 3122 KB Formation Pawnee Effective Pay \_\_\_\_\_ Ft. Ticket No. S0464  
Date 07-07-14 Sec. 11 Twp. 18 S Range 34 W County Scott State KANSAS  
Test Approved By John Goldsmith Diamond Representative Jacob McCallie

Formation Test No. 4 Interval Tested from 4560 ft. to 4610 ft. Total Depth 4610 ft.  
Packer Depth 4555 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.  
Packer Depth 4560 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 4541 ft. Recorder Number 5515 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4595 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 52 Drill Collar Length 29 ft. I.D. 2 1/4 in.  
Weight 9.4 Water Loss 10 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in.  
Chlorides 8,000 P.P.M. Drill Pipe Length 4498 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 50 (18.5A) 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: WSB- Built to BB in 10 3/4 min NOBB  
2nd Open: BB immediatly 1 1/4" BB

Recovered 1598 ft. of GIP  
Recovered 40 ft. of HMCO 53% O 47% M  
Recovered 126 ft. of SLMCO 86% O 14% M  
Recovered 166 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
<b>TOOL SAMPLE: 95% O 5% M</b>	Total

Time Set Packer(s) 8:06 AM <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 10:51 AM <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature \_\_\_\_\_

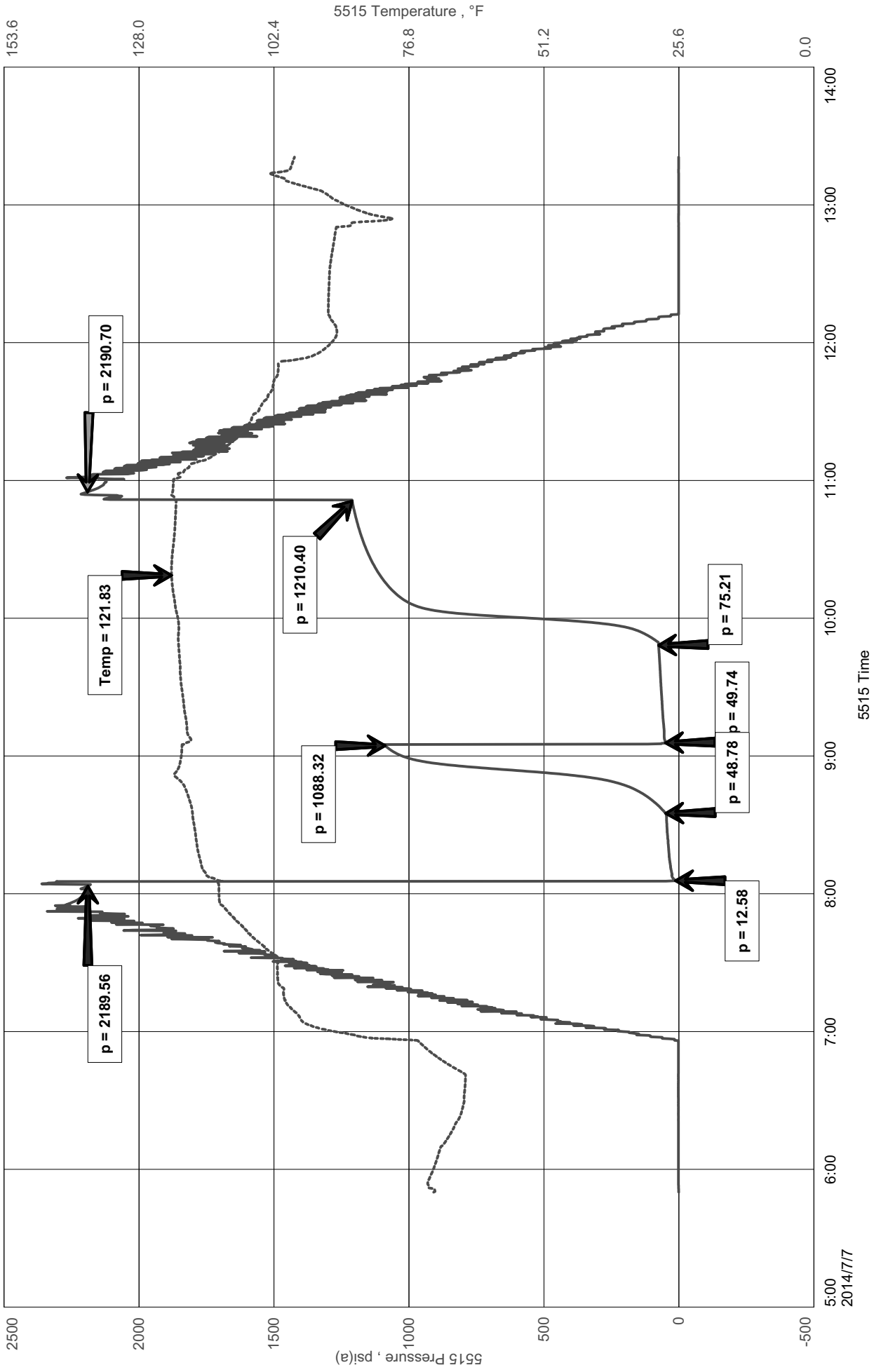
Initial Hydrostatic Pressure..... (A) 2190 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 13 P.S.I. to (C) 49 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 1088 P.S.I.  
Final Flow Period..... Minutes 45 (E) 50 P.S.I. to (F) 75 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 1210 P.S.I.  
Final Hydrostatic Pressure..... (H) 2191 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 Pawnee 4560-4610'  
Start Test Date: 2014/07/07  
Final Test Date: 2014/07/07

Farr 1-11  
Formation: DST #4 Pawnee 4560-4610'  
Pool: WC  
Job Number: S0464

# Farr 1-11





# Diamond Testing LLC

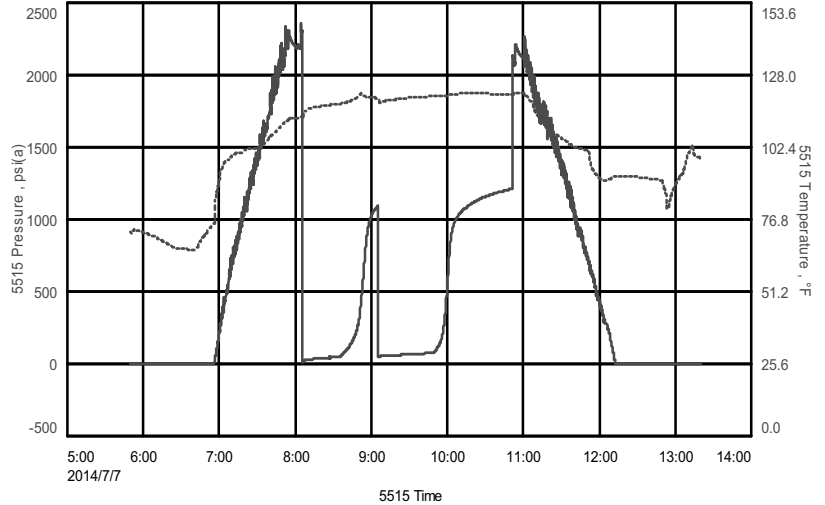
## General Information Report

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

### General Information

Company Name New Gulf  
Contact Jim Henkle  
Well Name Farr 1-11  
Unique Well ID DST #4 Pawnee 4560-4610'  
Surface Location SEC 11-18S-34W Scott County  
Field Prime Pork  
Well Type Vertical  
Test Type Drill Stem Test  
Formation DST #4 Pawnee 4560-4610'  
Well Fluid Type 01 Oil  
Start Test Date 2014/07/07  
Start Test Time 05:50:00  
Final Test Date 2014/07/07  
Final Test Time 13:21:00  
Job Number S0464  
Representative Jacob McCallie  
Report Date 2014/07/07  
Qualified By John Goldsmith

### Farr 1-11



### Test Results

#### RECOVERED:

1598'	GIP	
40'	HMCO	53% O 47% M
126'	SLMCO	86% O 14% M
166'	TOTAL FLUID	

#### TOOL SAMPLE:

95% O 5% M



**CONSOLIDATED**  
Oil Well Services, LLC

269120

TICKET NUMBER 46978  
LOCATION Oakley Ks.  
FOREMAN Darren

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
6/27/14	5661	Farr 1-11	11	18	34	Scott
CUSTOMER New Gulf Operating			modoc 1E 1/2N E into			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			731	Cory		
STATE			693	Lance		
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH \_\_\_\_\_ CASING SIZE & WEIGHT 8 3/8, 24'  
CASING DEPTH 264 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT 14.8 SLURRY VOL 1.36 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
DISPLACEMENT 15.5 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Softy meeting Rig up on well. Break Circulation with Rig Pump  
Hook Up To Pump Truck mix 200 sacks 2% CC 2% Gel Washup Pump + Lines  
Displace with 15.5 bbl water Shut in Rig Down  
Cement Did Circulate

Approx 5 bbl To Pit

Thanks Darren & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401S	1	PUMP CHARGE	\$1150.00	\$1150.00
5406	50	MILEAGE	\$5.25	\$262.50
5407A	9.4	Ton Mileage Delivery	\$1.75	\$822.50
1104S	200 SKs	Class "A" Cement	\$18.55	\$3710.00
1102	564 "	Calcium Chloride	\$.94	\$530.16
1118B	376 "	Bentonite	\$.27	\$101.52
			Sub Total	\$6576.68
			Less 10%	\$657.67
			Sub Total	\$5919.01
			SALES TAX	318.47
			ESTIMATED TOTAL	6237.48

AUTHORIZATION [Signature] 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.



269393

TICKET NUMBER 46789  
 LOCATION Oakley, KS  
 FOREMAN Dane Retzlaff

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
6-7-9-14	5661	Farr 1-11	11	18	24	Scott
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			599	Mike		
CITY			530	Cody		
STATE			566	Steve		
ZIP CODE			Helper	Bill		

JOB TYPE Production HOLE SIZE 7 7/8 HOLE DEPTH \_\_\_\_\_ CASING SIZE & WEIGHT 15.50 LBS 5/8  
 CASING DEPTH 4968 DRILL PIPE 4 1/2 TUBING NO OTHER DV Tool 2416  
 SLURRY WEIGHT 145/125 SLURRY VOL 1.86/1.26 WATER gal/hr 6.27/9.28 CEMENT LEFT IN CASING 13.09  
 DISPLACEMENT 117.93/575 DISPLACEMENT PSI 300 MIX PSI 100 RATE mix 6 BBLs Displace 7 BBLs

REMARKS: Safety meeting. Rig up. Run float equipment. Cents on 1, 2, 3, 6, 9, 12, 15, 18, 58, 60. Basket on 58. DV Tool on 59. Circulate on bottom line. Pump 5 sand mix 50 gal of mudflush pump 5 behind mix 200 sks of owc (55% slurry BBLs). Release plug. Wash up. Displace 60 BBLs of water and 56 BBLs of mud. Final lift was 1100 psi. Plug landed at 1100 psi. Wait 3 hrs. Open tool mix 400 sks of 60/40 Poz mix (125% slurry BBLs). Release plug. Wash up. Displace 88Bls of water. Final lift was 1600 psi. Plug landed at 1600 psi.

DV Tool serial # 2619527 Tool opened at 800 psi

Run MH 50 sks 60/40 Ball went through at 400 PSI Thanks Dane & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES or PRODUCT	UNIT PRICE	TOTAL
54050	1	PUMP CHARGE	3175.00	3175.00
54060	68	MILEAGE	5.85	398.10
54070	28.75	Ton Mileage Delivery	1.75	503.13
1126	200 sks	Owc Cement	23.70	4740.00
1131	450 sks	60/40 Poz mix	18.86	8469.00
110A	1000	Kol Seal	0.56	560.00
1107A	112	Flo Seal	2.97	332.64
1118B	3096	Bentonite	0.27	835.92
11440	500 gal	Mudflush	500.00	500.00
4104	1	5 1/2 Cement Bucket	280.00	280.00
4180	10	5 1/2 Centrifuges	61.00	610.00
4159	1	5 1/2 API Float shoe	437.75	437.75
4454	1	5 1/2 Latchdown Assembly	567.00	567.00
42720	1	5 1/2 DV Tool	4900.00	4900.00
		Total		27693.36
		10%		2769.34
		Total		30462.70
		SALES TAX		1533.48
		TOTAL		32000.00

Completed

Form 5737

AUTHORIZATION Kenny Smith TITLE Production Mgr DATE 7-10-14

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.