



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1078680  
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: \_\_\_\_\_

1078680

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

<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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	New Gulf Operating LLC
Well Name	Merle 1-8
Doc ID	1078680

Tops

Name	Top	Datum
Anhydrite	2546	478
Base Anhydrite	2550	454
Stotler	3620	616
Topeka	3746	-742
Heebner	3968	-964
Toronto	3996	-992
Lansing	4008	-1004
Muncie Creek	4145	-1150
Stark	4240	-1236
BKC	4304	-1300
Marmaton	4335	-1335
Pawnee	4438	-1434
Ft Scott	4490	-1486
Cherokee	4516	-1512
Johnson	4550	-1546
Morrow shale	4582	-1578
Morrow Sand	Absent	Absent
Miss	4662	-1584

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  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

April 12, 2012

New Gulf Operating LLC  
6310 E. 102nd St.  
TULSA, OK 74137

Re: ACO1  
API 15-109-21073-00-00  
Merle 1-8  
SE/4 Sec.08-12S-32W  
Logan 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,



**CONSOLIDATED**  
Oil Well Services, LLC

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

**MAIN OFFICE**  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
Fax 620/431-0012

INVOICE

Invoice # 248017

Invoice Date: 02/28/2012 Terms: 10/10/30,n/30

Page 1

NEW GULF OPERATING LLC  
6310 EAST 102ND ST.  
TULSA OK 74137  
(918) 728-3020

MERLE #1-8  
33799  
8-12S-32W  
2-26-2012  
KS

MAR 05 2012

Part Number	Description	Qty	Unit Price	Total
4432	8 5/8" WOODEN PLUG	1.00	96.0000	96.00
1131	60/40 POZ MIX	220.00	15.1000	3322.00
1107	FLO-SEAL (25#)	55.00	2.8200	155.10
1118B	PREMIUM GEL / BENTONITE	757.00	.2500	189.25

Sublet Performed	Description	Total
9999-130	CASH DISCOUNT	-376.23
9999-130	CASH DISCOUNT	-178.50

Description	Hours	Unit Price	Total
399 P & A NEW WELL	1.00	1325.00	1325.00
399 EQUIPMENT MILEAGE (ONE WAY)	10.00	5.00	50.00
460 MIN. BULK DELIVERY	1.00	410.00	410.00

COMPANY \_\_\_\_\_  
WELL # \_\_\_\_\_  
AFE # \_\_\_\_\_  
G/L ACCT CODE \_\_\_\_\_  
G/L DESCRIPT \_\_\_\_\_  
DATA ENTRY/DATE \_\_\_\_\_  
AUTHORIZED/DATE \_\_\_\_\_

*N60*

*9265*

*P&A*

*Per 3/9/12*

*OKM DB*

Amount Due 5840.82 if paid after 03/29/2012

Parts:	3762.35	Freight:	.00	Tax:	264.12	AR	5256.74
Labor:	.00	Misc:	.00	Total:	5256.74		
Sublt:	-554.73	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_

Date \_\_\_\_\_

BARTLESVILLE, OK  
918/338-0808

EL DORADO, KS  
316/322-7022

EUREKA, KS  
620/583-7664

PONCA CITY, OK  
580/762-2303

OAKLEY, KS  
785/672-2227

OTTAWA, KS  
785/242-4044

THAYER, KS  
620/839-5269

GILLETTE, WY  
307/686-4914



**CONSOLIDATED**  
Oil Well Services, LLC



TICKET NUMBER 33799  
LOCATION Oakley 15  
FOREMAN Miles Shaw

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
2-20-11	5461	Merle #1-8	8	12S	32W	Logan KS
CUSTOMER New Gulf Operating			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			399	Damon		
CITY			460	Cody		
STATE						
ZIP CODE						

JOB TYPE PTA-0 HOLE SIZE 7 7/8 HOLE DEPTH 4700' CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE 4 1/2 x H TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting & Plug as ordered on Val rig #4  
25 sks @ 2550'  
100 sks @ 1550'  
40 sks @ 310'  
10 sks @ 40'  
15 sks MH  
30 sks BH  
220 sks 60/40 puz 4% gel 1/4# flo-seal

*Thank you  
Miles & Crew*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	1325.00	1325.00
5406	10	MILEAGE	5.00	50.00
5407	9.46	Tom mileage delivery min	410.00	410.00
4432	1	8 3/4 Wooden Plug	96.00	96.00
1131	220 sks	60/40 puz	15.10	3322.00
1107	55#	Flo-seal	2.82	155.10
1118B	757#	Bentonite gel	.25	189.25
			Subtotal	5547.35
			Less 10% discount	554.73
			Subtotal	4992.62
		248017	SALES TAX	264.22
			ESTIMATED TOTAL	5256.84

Ravin 3737

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.



**CONSOLIDATED**

Oil Well Services, LLC

FEB 23 2012

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

**MAIN OFFICE**  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
Fax 620/431-0012

INVOICE

Invoice # 247905

Invoice Date: 02/20/2012 Terms: 10/10/30,n/30

Page 1

NEW GULF OPERATING LLC  
6310 EAST 102ND ST.  
TULSA OK 74137  
(918)728-3020

MERLE 1-8  
33916  
8-12-32W  
2-17-2012  
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	220.00	17.6500	3883.00
1102	CALCIUM CHLORIDE (50#)	620.00	.8900	551.80
1118B	PREMIUM GEL / BENTONITE	414.00	.2500	103.50
4432	8 5/8" WOODEN PLUG	1.00	96.0000	96.00

Sublet Performed	Description	Total
9999-130	CASH DISCOUNT	-463.43
9999-130	CASH DISCOUNT	-154.50

Description	Hours	Unit Price	Total
439 MIN. BULK DELIVERY	1.00	410.00	410.00
463 CEMENT PUMP (SURFACE)	1.00	1085.00	1085.00
463 EQUIPMENT MILEAGE (ONE WAY)	10.00	5.00	50.00

COMPANY  
WELL # \_\_\_\_\_  
AFE # \_\_\_\_\_  
G/L ACCT CODE \_\_\_\_\_  
G/L DESCRIPT \_\_\_\_\_  
DATA ENTRY/DATE \_\_\_\_\_  
AUTHORIZED/DATE \_\_\_\_\_

MERLE #1

9208

Cement Surface

2-29-12 WHK

*OK per DSB*

Amount Due 6540.77 if paid after 03/21/2012

Parts:	4634.30	Freight:	.00	Tax:	325.32	AR	5886.69
Labor:	.00	Misc:	.00	Total:	5886.69		
Sublt:	-617.93	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_ Date \_\_\_\_\_

BARTLESVILLE, OK  
918/338-0808

EL DORADO, KS  
316/322-7022

EUREKA, KS  
620/583-7664

PONCA CITY, OK  
580/762-2303

OAKLEY, KS  
785/672-2227

OTTAWA, KS  
785/242-4044

THAYER, KS  
620/839-5269

GILLETTE, WY  
307/686-4914



**CONSOLIDATED**  
Oil Well Services, LLC



TICKET NUMBER 33916

LOCATION Orkley

FOREMAN Fuzz

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												
2-17-12	5661	Mena 1.8	8	12	32W	LeS												
CUSTOMER New Golf operating			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>463</td> <td>COO B</td> <td></td> <td></td> </tr> <tr> <td>439</td> <td>MILUS S</td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	463	COO B			439	MILUS S		
TRUCK #	DRIVER	TRUCK #					DRIVER											
463	COO B																	
439	MILUS S																	
MAILING ADDRESS																		
CITY	STATE	ZIP CODE																

JOB TYPE SURFACE HOLE SIZE 12 1/4 HOLE DEPTH 258' CASING SIZE & WEIGHT 8 5/8  
 CASING DEPTH 258' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.7 SLURRY VOL 1.36 WATER gal/sk 6.5 CEMENT LEFT in CASING 20'  
 DISPLACEMENT 15.1 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting on Unit #4. Rig up and circulate. Mix 220 SKS CLASS 'A' 3% CaCl<sub>2</sub> 2% BENTONITE. Drop plug and displace 15 BBL. Cement did circulate approx 4 BBL to pit.

Thanks Fuzz

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405	1	PUMP CHARGE	1085 <sup>00</sup>	1085 <sup>00</sup>
5406	10	MILEAGE	5 <sup>00</sup>	50 <sup>00</sup>
5407	10.34	Tow mileage Delivery (min)	410 <sup>00</sup>	410 <sup>00</sup>
11045	220 SKS	CLASS 'A' cement	17.65	3883 <sup>00</sup>
1102	620 #	Calcium Chloride	.89	551 <sup>80</sup>
1118 B	414 #	Bentonite	.25	103 <sup>50</sup>
4432	1	8 5/8 wood cup plug	96 <sup>00</sup>	96 <sup>00</sup>
		subtotal		6179 <sup>30</sup>
		less 10% disc		6179 <sup>30</sup>
		subtotal		5561 <sup>37</sup>
		247905	SALES TAX	325 <sup>22</sup>
			ESTIMATED TOTAL	5886 <sup>69</sup>

Ravin 3737

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.



# DRILLING REPORT

## NEW GULF ENERGY

6310 E. 102<sup>nd</sup> Street  
Tulsa, Oklahoma 74137  
Office (918) 728-3020

### # 1-8 MERLE

772' FSL 2403' FEL  
Section 8-T12S-R32W  
Logan County, Kansas

Elevation: **GL 3008 KB 3018**

API # 15-109-21073

Drilling Contractor: **VAL DRILLING RIG 4** 620-617-2793  
Larry Hinderliter (Toolpusher) 620-804-0097

Well-Site Geologist: Steven P. Murphy 620-639-3030  
New Gulf Geologist: Joe Baker 316-253-9696 (cell)  
316-733-5826 (home)

Reference Well : **New Gulf Energy**

# 1 Zerr  
2068'FSL 1260''FEL  
17-12S-32W  
Logan Co., Kansas

New Gulf Drilling Supervisor: Danny Birdwell 432-940-6680

	MERLE 1-8 E-LOG TOPS	# 1 ZERR E-LOG TOPS		#1 ZERR Reference Well +/-
ANHYDRITE	2546 (+472)	2526	+478	-6
BASE ANHYDRITE	2569 (+450)	2550	+454	-4
STOTLER	3639 (-621)	3620	-616	-5
TOPEKA	3770 (-752)	3746	-742	-10
HEEBNER	3995 (-977)	3968	-964	-13
TORONTO	4024 (-1006)	3996	-992	
LANSING	4039 (-1021)	4008	-1004	-17
MUNCIE CREEK	4182 (-1164)	4154	-1150	-14
STARK	4261 (-1243)	4240	-1236	-7
BKC	4333 (-1315)	4304	-1300	-15
MARMATON	4372 (-1354)	4335	-1331	-23
PAWNEE	4472 (-1454)	4438	-1434	-20
FT SCOTT	4524 (-1506)	4490	-1486	-20
CHEROKEE	4550 (-1532)	4516	-1512	-20
JOHNSON	4584 (-1566)	4550	-1546	-20
MORROW SHALE	4625 (-1607)	4582	-1578	-20
MORROW SAND	Absent	Absent		
MISS (Clean)	4662 (-1644)	4588	-1584	-60
RTD	4720 (-1702)	4700	-1696	
LTD	4723 (-1705)	4706	-1702	

2/18/12 Move In  
2/19/12 258' Set 85/8 24# @ 242.95 w/220 sxs, 35 cc 2% GEL Cement did circulate  
2/20/12 1630'  
  
2/21/12 2741'  
2/22/12 3346'  
2/23/12 3940' Lansing  
2/24/12 4300' Marmaton  
2/25/12 4612' Dst # 1 Johnson Strap-2.36 Long/Board  
2/26/12 4720' RTD Miss Log

Based on sample shows, DST results and structure the decision was made to plug and abandon this location.

**SHOWS:**

Johnson Zone: Samples had Poor Shows of Oil w/ Gilsonite Stain, Faint Odor

DST # 1 JOHNSON  
4554-4614  
30-45-30-60  
RECOVERY: 10' Mud  
1st Open: Weak Blow 1" No Return Blow  
2<sup>nd</sup> Open: No Blow, No Return Blow  
IFP/FFP: 18-20 / 21-23 #  
ISP/FSP: 1123/ 1126 #  
IHP/FHP: 2277 / 2205 # BHT: 115 deg F



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

New Gulf Operating LLC

**8-12s-32w**

6310 102nd St.  
Tulsa OK 74137

**Merle 1-8**

ATTN: Steve Murphy

Job Ticket: 45072

**DST#: 1**

Test Start: 2012.02.25 @ 08:35:00

## GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:02:15

Time Test Ended: 16:00:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 46

**Interval: 4554.00 ft (KB) To 4614.00 ft (KB) (TVD)**

Reference Elevations: 3018.00 ft (KB)

Total Depth: 4614.00 ft (KB) (TVD)

3008.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8675**

**Inside**

Press @ Run Depth: 23.44 psig @ 4555.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.25

End Date:

2012.02.25

Last Calib.:

2012.02.25

Start Time: 08:35:01

End Time:

16:00:45

Time On Btm:

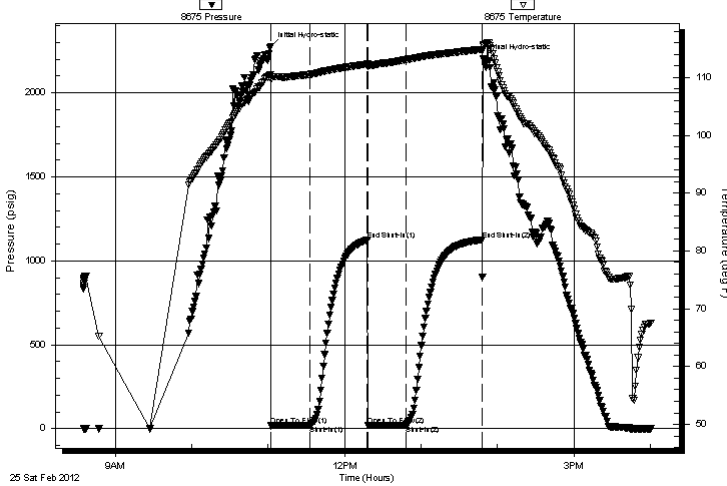
2012.02.25 @ 11:02:00

Time Off Btm:

2012.02.25 @ 13:49:00

**TEST COMMENT:** Built to 1" blow  
No return blow  
No blow  
No return blow

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2277.12	110.52	Initial Hydro-static
1	18.34	109.69	Open To Flow (1)
31	20.31	110.54	Shut-In(1)
76	1123.88	112.30	End Shut-In(1)
77	21.35	111.85	Open To Flow (2)
107	23.44	113.08	Shut-In(2)
166	1126.10	114.86	End Shut-In(2)
167	2205.40	115.56	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% Mud	0.14

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

New Gulf Operating LLC

**8-12s-32w**

6310 102nd St.  
Tulsa OK 74137

**Merle 1-8**

Job Ticket: 45072

**DST#: 1**

ATTN: Steve Murphy

Test Start: 2012.02.25 @ 08:35:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100% Mud	0.140

Total Length: 10.00 ft      Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

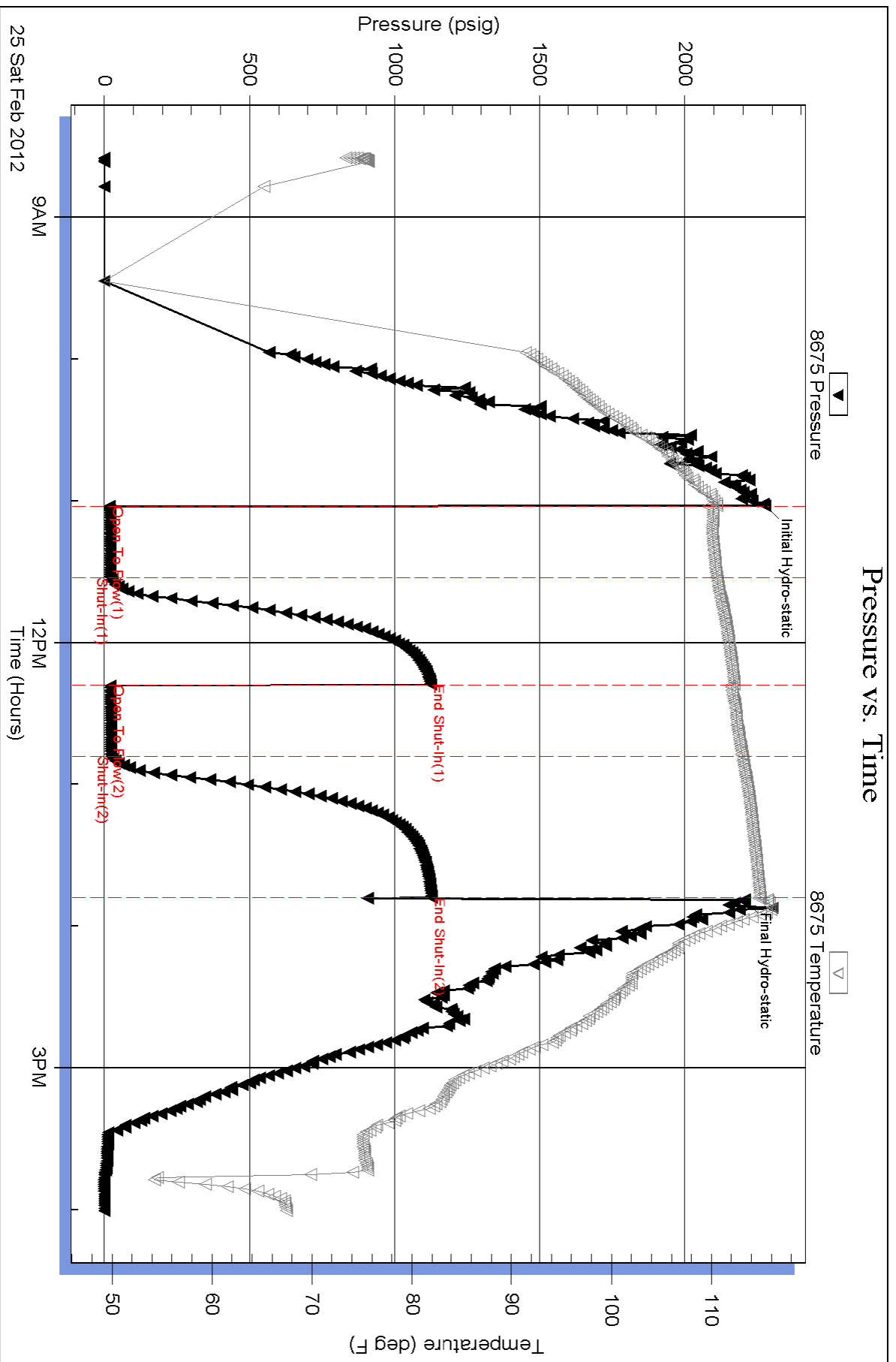
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time

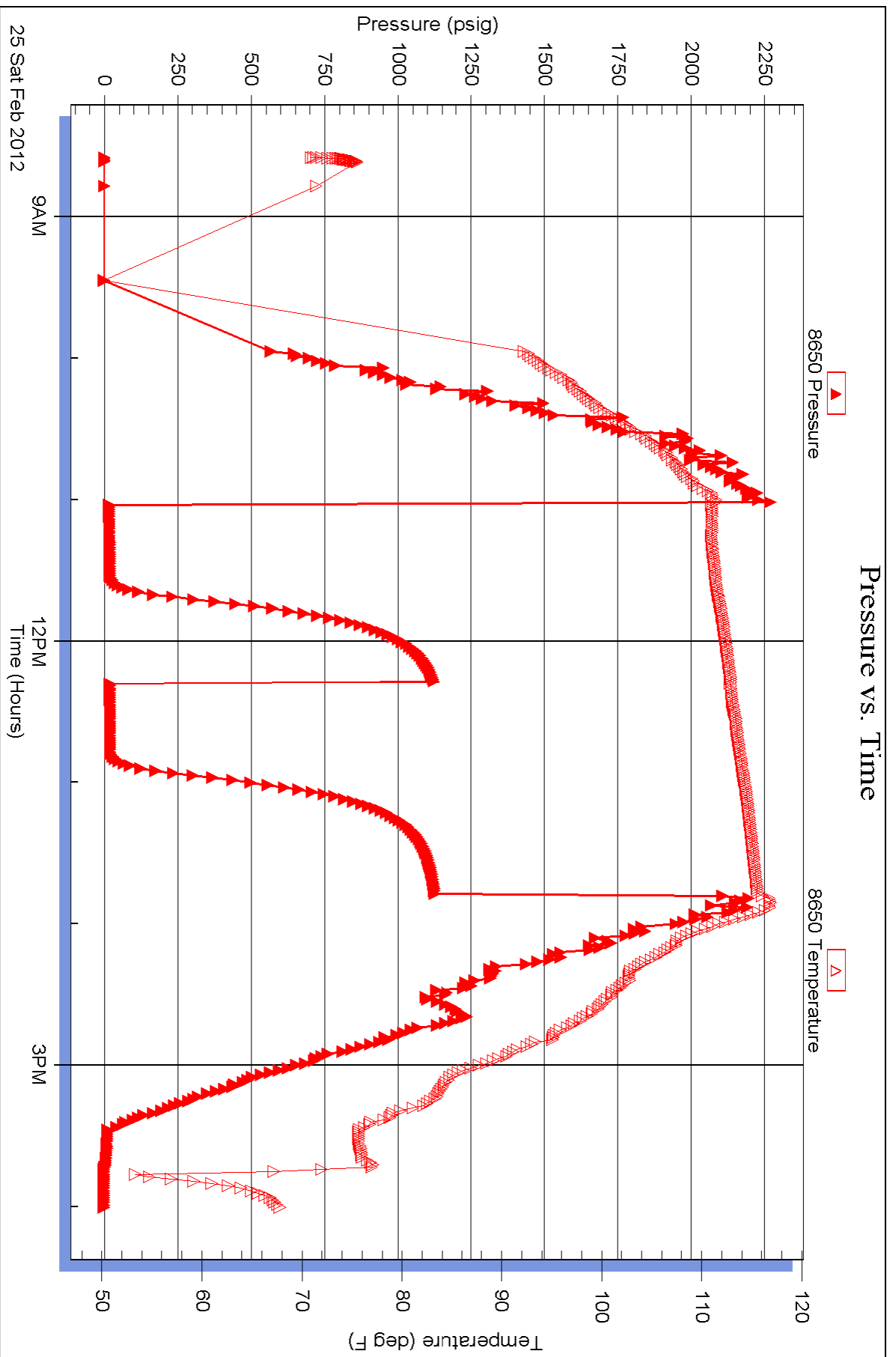


Serial #: 8650

Outside New Gulf Operating LLC

Merle 1-8

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 45072

Printed: 2012.02.25 @ 21:21:39