



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1078681
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: _____

1078681

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> _____
---	--

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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	New Gulf Operating LLC
Well Name	Zimmerman 1-15
Doc ID	1078681

All Electric Logs Run

Sonic
Micro
Dual Induction
Dual Compensated Porosity
Computer Processed Interp

Form	ACO1 - Well Completion
Operator	New Gulf Operating LLC
Well Name	Zimmerman 1-15
Doc ID	1078681

Tops

Name	Top	Datum
Anhydrite	2517	476
Base Anhydrite	2540	452
Stotler	3623	-620
Topeka	3750	-746
Heebner	3977	-971
Toronto	4000	-999
Lansing	4027	-1012
Muncie Creek	4166	-1151
Stark	4248	-1232
BKC	4308	-1302
Marmaton	4347	-1338
Pawnee	4448	-1434
Ft Scott	4500	-1488
Cherokee	4525	-1514
Johnson	4562	-1545
Morrow Shale	4599	-1574
Miss	4630	-1588

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 15-109-21072-00-00
Zimmerman 1-15
SE/4 Sec.15-12S-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 # 248059

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

ZIMMERMAN 1-15
33862
15-12-32
02-27-2012
KS

MAR 05 2012

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	413.00	.2500	103.25

Sublet Performed	Description	Total
9999-130	CASH DISCOUNT	-453.80
9999-130	CASH DISCOUNT	-154.50

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

COMPANY
WELL # Zimmerman 1-15
AFE #
G/L ACCT CODE 9208
G/L DESCRIPT Cement Surface Pipe
DATA ENTRY/DATE
AUTHORIZED/DATE 3-13-12 WHK

Amount Due 6437.01 if paid after 03/29/2012

Parts:	4538.05	Freight:	.00	Tax:	318.56	AR	5793.31
Labor:	.00	Misc:	.00	Total:	5793.31		
Sublt:	-608.30	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

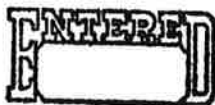
OTTAWA, KS
785/242-4044

THAYER, KS
620/839-5269

GILLETTE, WY
307/686-4914



CONSOLIDATED
Oil Well Services, LLC



TICKET NUMBER 33862
LOCATION Oakley
FOREMAN Kelly Eabe

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
2-27-12	5661	Zimmerman 1-15	15	12	32	Logan
CUSTOMER		Mailing Address		CITY		STATE
New Gulf Oper.		Oakley		7 1/2 S		W 85
						into
TRUCK #	DRIVER	TRUCK #	DRIVER			
399	Damon					
460	Bobby					

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 257 CASING SIZE & WEIGHT 8 5/8 24 #
 CASING DEPTH 257 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 148 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 1560 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: safety meeting, Rigged up on Val drilling Rig #4, hooked up to circulate, Mixed 220 sks com 3% acc + 2% gel, displaced with 1560l water, shut in, washed out pumps & lines, Rigged down & left location.

Cement did circulate

approx 2 bbl top it

Thank You Kelly & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
541015	1	PUMP CHARGE	1085.00	1085.00
5406	10 mi	MILEAGE	5.00	50.00
11045	220 sks	Class A Cement	17.65	3883.00
1102	620 #	Calcium Chloride	.89	551.80
1183	413 #	Bentonite	.25	103.25
5407	10.3	Ton Mileage (min)	1.62	410.00
				6083.05
		Lead 10% disc		608.30
				5474.75
				248059
		SALES TAX		318.56
		ESTIMATED TOTAL		5793.31

Ravin 3737

11:30 PM AUTHORIZATION [Signature]

TITLE _____

DATE 2-27-12

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. 102nd Street
Tulsa, Oklahoma 74137
Office (918) 728-3020

1 ZIMMERMAN

1570' FSL 1370' FEL
Section 15-T12S-R32W
Logan County, Kansas

Elevation: **GL 2969 KB 2979**

API # 15-109-21072

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)

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

	1 ZIMMERMAN E-LOG TOPS	# 1 RACETTE E-LOG TOPS	NEW GULF #1 RACETTE 2045 FNL 917 FWL 10-12S-32W
ANHYDRITE	2517 +462	2546 +476	-14
BASE ANHYDRITE	2540 +439	2570 +452	-15
STOTLER	3623 (-644)	3642 -620	-22
TOPEKA	3750 (-771)	3768 -746	-25
HEEBNER	3977 (-998)	3993 -971	-27
TORONTO	4000 (-1021)	4021 -999	-22
LANSING	4027 (-1048)	4034 -1012	-36
MUNCIE CREEK	4166 (-1187)	4173 -1151	-36
STARK	4248 (-1269)	4254 -1232	-37
BKC	4308 (-1329)	4324 -1302	-27
MARMATON	4347 (-1368)	4360 -1338	-30
PAWNEE	4448 (-1469)	4456 -1434	-35
FT SCOTT	4500 (-1521)	4510 -1488	-33
CHEROKEE	4525 (-1546)	4536 -1514	-32
JOHNSON	4562 (-1583)	4567 -1545	-38
MORROW SHALE	4599 (-1620)	4596 -1574	-46
MORROW SD	absent		
MISS	4630 (-1651)	4610 -1588	-63
RTD	4701 (-1722)	4700 -1696	
LTD	4704 (-1725)	4706 -1702	

2/27/12 Move In Set 6 Jts 8 5/8 24# @ 253' w 220sx/cement did circulate
2/28/12 253' WOC
2/29/12 1585'
3/1/12 2775'
3/2/12 3480'
3/3/12 3965'

3/4/12 4210'
3/5/12 4395'
3/6/12 4590'
3/7/12 4685'
3/8/12 4701' RTD

SHOWS:

Lansing C 4090': VSSO@ break, spotty stn, sl odor (Poor)
Lansing E/F 4120 VSSO, rare stn, no odor, Stn (Poor)
Lansing H 4180' VSSO, spty stn, lt odor (Poor)
Lansing I 4200, Minor edge stn (Poor)
Johnson 4580 FSFO, gd odor ,even sat stn (Fair)

DST #1 Lansing I

4158-4210
10-30-15-45
1st Open: Weak blow died in 3 min.
No Blow on 2nd open/No blow on shut ins
Rec: 10' Mud
IFP/FFP: 30-31/31-35#
ISP/FSP: 1261/1319#
IHP/FHP: 2000/1977# BHT: 110 deg F

DST #2 Base Myric Station- Top of Johnson

4493-4566
10-30-15-45
1st Open: Weak 1/8"
2nd Open: No blow, flushed no blow
Rec: 10' Mud
IFP/FFP: 31-32/31-34#
ISP/FSP: 77/66#
IHP/FHP: 2174/2149# BHT: 114 deg F

DST #3 Johnson

4522-4590
30-45-10-60
1st Open: Weak 1/2" Blow
2nd Open: No Blow
Rec: 5' Oil Sptd Mud (5% Oil,95% Mud)
IFP/FFP: 8-10/10-11#
ISP/FSP: 855/752#
IHP/FHP: 2168/2166# BHT 115 deg F

DST #4 Lansing A,B,C (Straddle)

4014-4092
15-45-15-60
1st Open: Strong OBB in 1/1/4 min No Blow Back
2nd Open: Strong OBB in 21'2 min No Blow
Rec: 1116' MW (95% Wtr,5% Mud)
124' MW (80% Wtr, 20% Mud)
310' Mud
Total Fluid: 1550'
IFP/FFP: 152-469/ 504-729 #
ISP/FSP: 1237/1236#
IHP/FHP: 1944/1940# BHT 115 deg Recovery RW .29@ 60 deg 28,000 ppm



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

New Gulf Operating LLC.

15-12s-32w - Logan KS

6310 E 102nd ST.
Tulsa, OK. 74137

Zimmerman #1-15

ATTN: Steve Murphy

Job Ticket: 45615

DST#: 4

Test Start: 2012.03.07 @ 23:47:00

GENERAL INFORMATION:

Formation: **LKC "A-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:02:45

Time Test Ended: 08:30:30

Test Type: Conventional Straddle (Initial)

Tester: Kevin Mack

Unit No: 43

Interval: 4014.00 ft (KB) To 4092.00 ft (KB) (TVD)

Reference Elevations: 2985.00 ft (KB)

Total Depth: 4704.00 ft (KB) (TVD)

2975.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 6799

Press @ Run Depth: 729.69 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.07

End Date:

2012.03.08

Last Calib.:

2012.03.08

Start Time: 23:47:05

End Time:

08:30:30

Time On Btm:

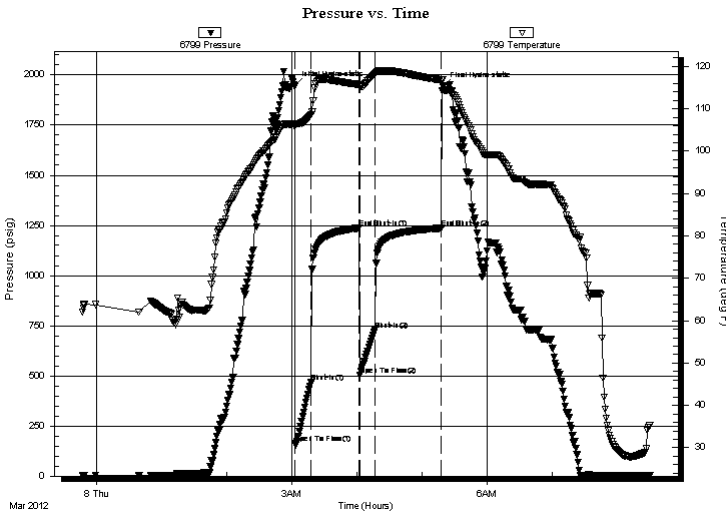
2012.03.08 @ 03:02:30

Time Off Btm:

2012.03.08 @ 05:19:30

TEST COMMENT: IF- B.o.B. in 1 1/4 min.
IS- No Return
FF- B.o.B. in 2 1/2 min.
FS- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1944.93	106.44	Initial Hydro-static
1	162.52	105.84	Open To Flow (1)
16	469.34	108.56	Shut-In(1)
60	1237.27	115.71	End Shut-In(1)
61	504.91	115.40	Open To Flow (2)
75	729.69	118.22	Shut-In(2)
136	1236.65	116.79	End Shut-In(2)
137	1940.25	115.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1116.00	MW 95W 5M	15.65
124.00	MW 80W 20M	1.74
310.00	Mud 100M	4.35

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

New Gulf Operating LLC.

15-12s-32w - Logan KS

6310 E 102nd ST.
Tulsa, OK. 74137

Zimmerman #1-15

Job Ticket: 45615

DST#: 4

ATTN: Steve Murphy

Test Start: 2012.03.07 @ 23:47:00

GENERAL INFORMATION:

Formation: **LKC "A-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:02:45

Time Test Ended: 08:30:30

Test Type: Conventional Straddle (Initial)

Tester: Kevin Mack

Unit No: 43

Interval: 4014.00 ft (KB) To 4092.00 ft (KB) (TVD)

Reference Elevations: 2985.00 ft (KB)

Total Depth: 4704.00 ft (KB) (TVD)

2975.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8648

Press @ Run Depth: psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.07

End Date:

2012.03.08

Last Calib.:

2012.03.08

Start Time: 23:47:50

End Time:

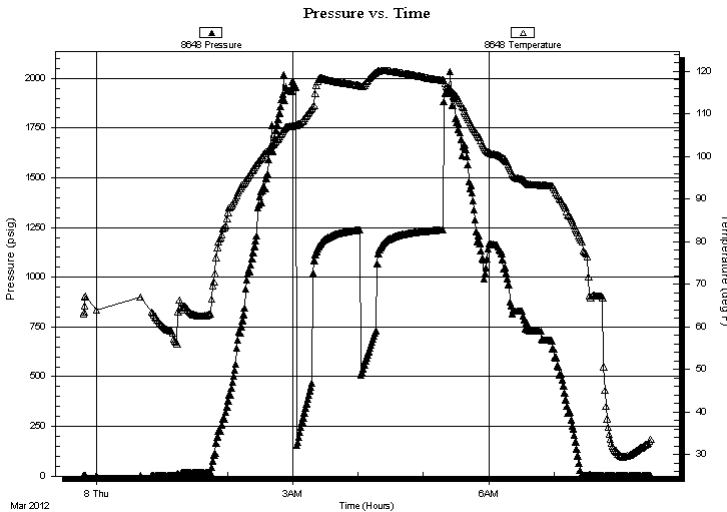
08:29:15

Time On Btm:

Time Off Btm:

TEST COMMENT: IF- B.o.B. in 1 1/4 min.
IS- No Return
FF- B.o.B. in 2 1/2 min.
FS- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
1116.00	MW 95W 5M	15.65
124.00	MW 80W 20M	1.74
310.00	Mud 100M	4.35

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

New Gulf Operating LLC.

15-12s-32w - Logan KS

6310 E 102nd ST.
Tulsa, OK. 74137

Zimmerman #1-15

Job Ticket: 45615

DST#: 4

ATTN: Steve Murphy

Test Start: 2012.03.07 @ 23:47:00

GENERAL INFORMATION:

Formation: **LKC "A-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:02:45

Time Test Ended: 08:30:30

Test Type: Conventional Straddle (Initial)

Tester: Kevin Mack

Unit No: 43

Interval: 4014.00 ft (KB) To 4092.00 ft (KB) (TVD)

Reference Elevations: 2985.00 ft (KB)

Total Depth: 4704.00 ft (KB) (TVD)

2975.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8655

Press @ Run Depth: psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.07

End Date: 2012.03.08

Last Calib.: 2012.03.08

Start Time: 23:47:05

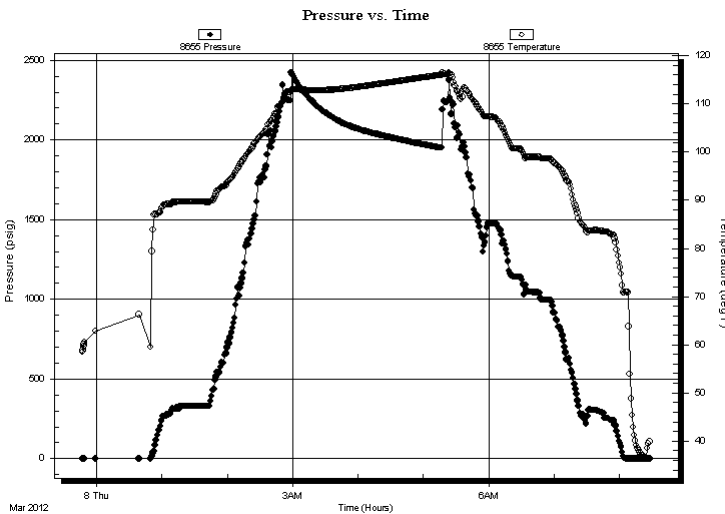
End Time: 08:28:30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF- B.o.B. in 1 1/4 min.
IS- No Return
FF- B.o.B. in 2 1/2 min.
FS- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
1116.00	MW 95W 5M	15.65
124.00	MW 80W 20M	1.74
310.00	Mud 100M	4.35

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

New Gulf Operating LLC.

15-12s-32w - Logan KS

6310 E 102nd ST.
Tulsa, OK. 74137

Zimmerman #1-15

Job Ticket: 45615

DST#: 4

ATTN: Steve Murphy

Test Start: 2012.03.07 @ 23:47:00

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:

28000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1116.00	MW 95W 5M	15.655
124.00	MW 80W 20M	1.739
310.00	Mud 100M	4.348

Total Length: 1550.00 ft Total Volume: 21.742 bbl

Num Fluid Samples: 0

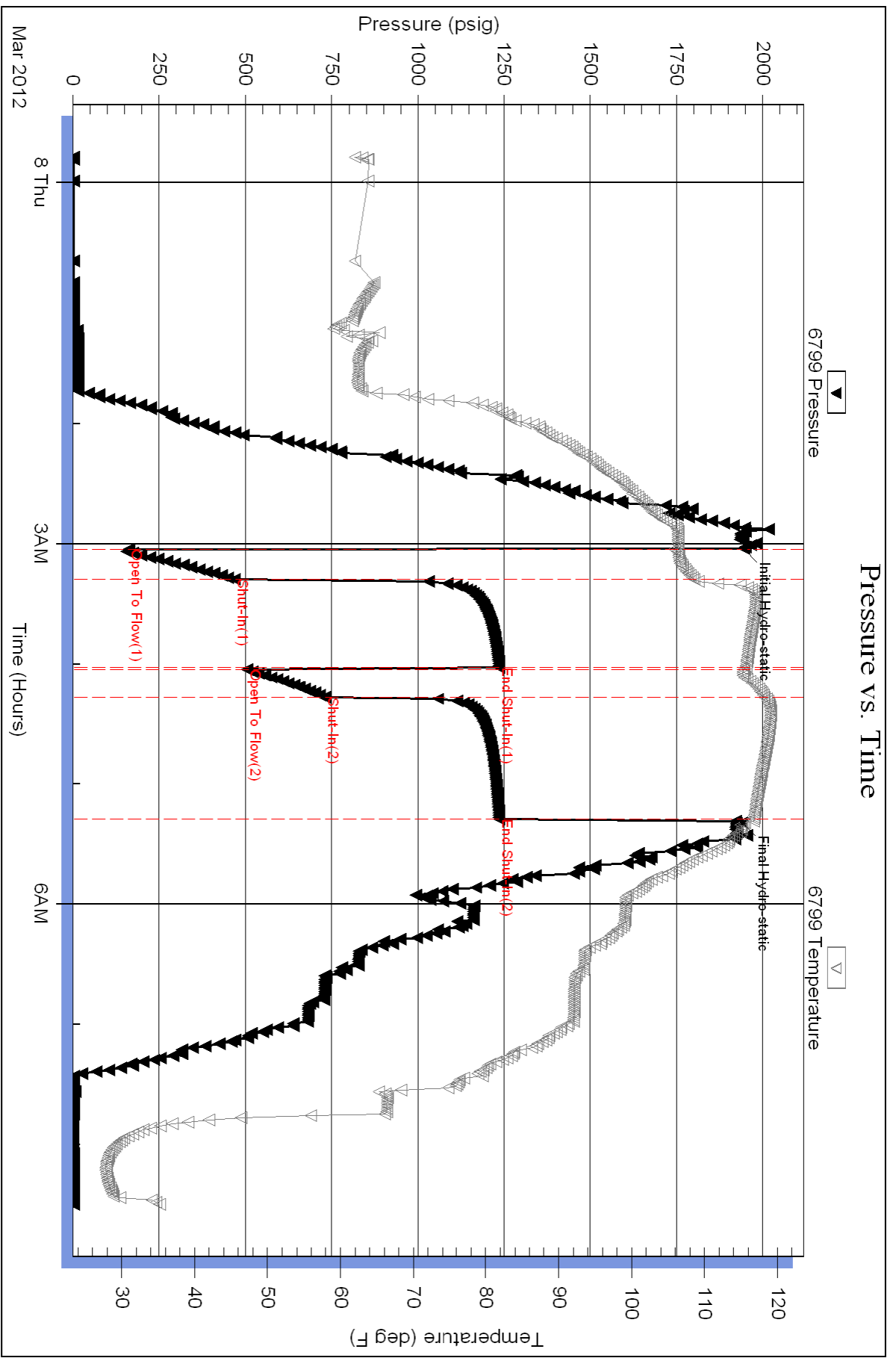
Num Gas Bombs: 0

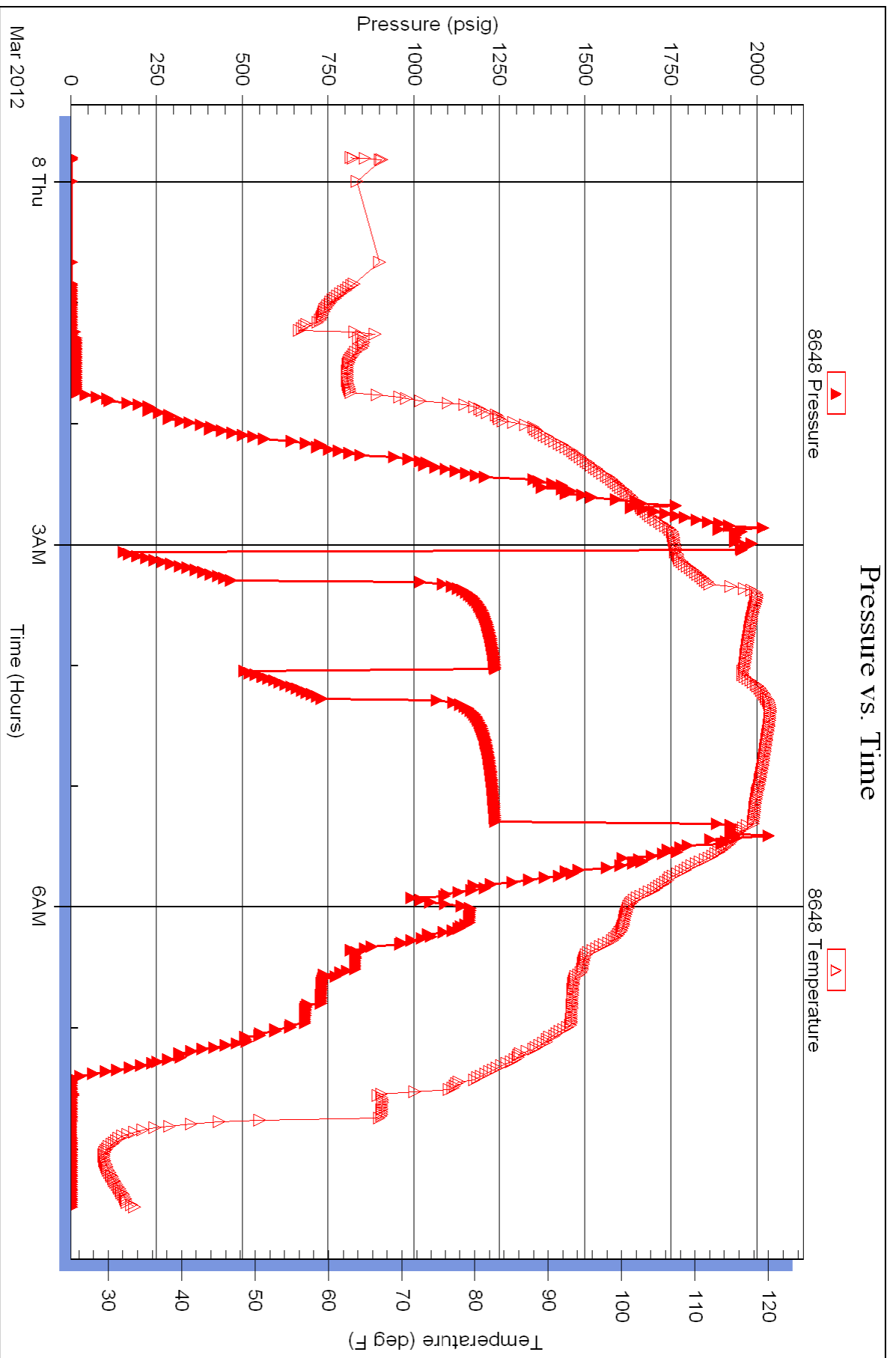
Serial #:

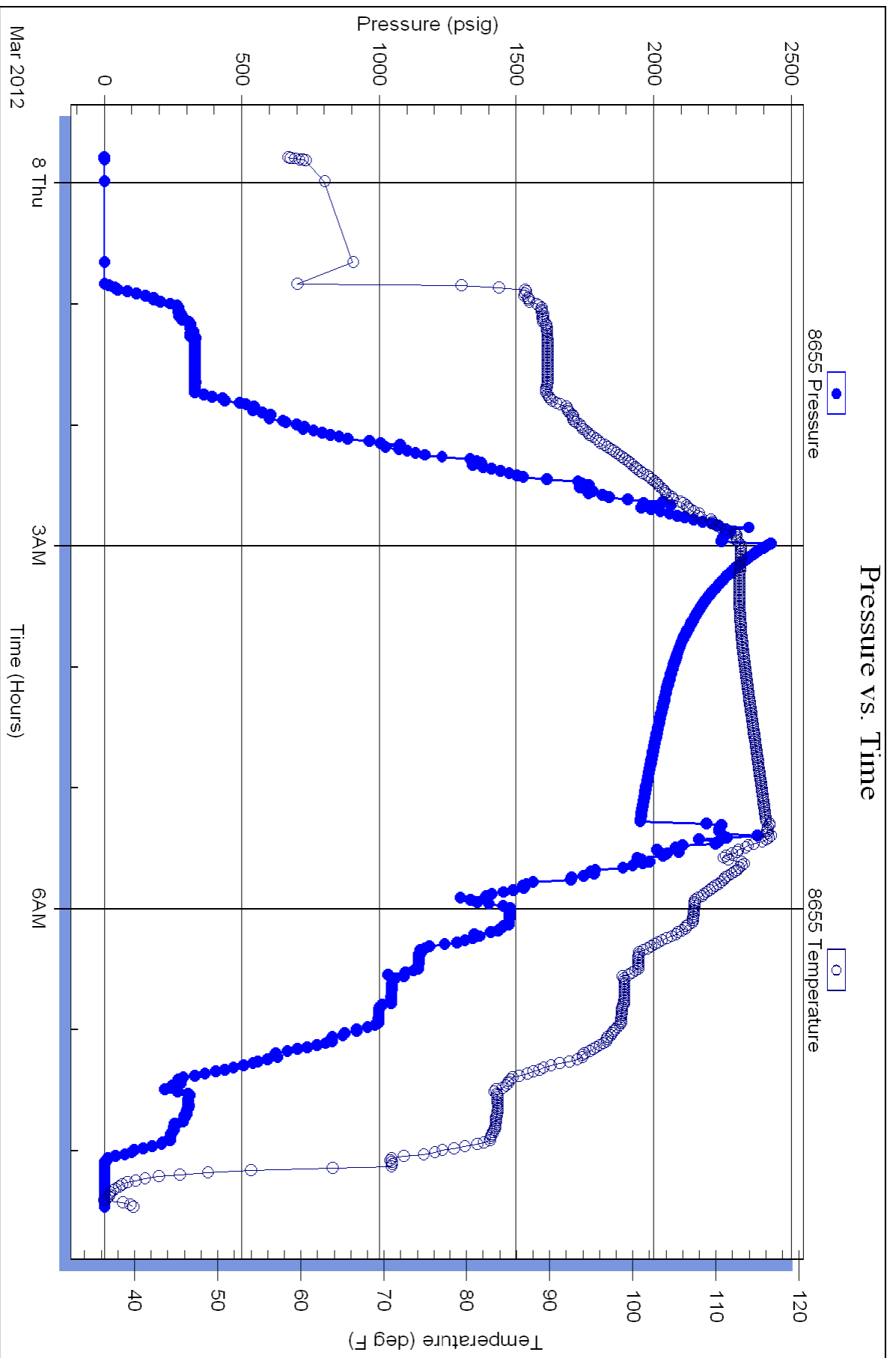
Laboratory Name:

Laboratory Location:

Recovery Comments: RW .29 @ 60 deg = 28000ppm







GENERAL INFORMATION

Client Information:

Company: NEW GULF RESOURCES LLC

Contact: JOE BAKER

Phone: Fax: e-mail:

Site Information:

Contact: STEVE MURPHY

Phone: Fax: e-mail:

Well Information:

Name: ZIMMERMAN 1-15

Operator: NEW GULF RESOURCES LLC

Location-Downhole:

Location-Surface: S15/12S/32W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: STEVE MURPHY

Test Type: CONVENTIONAL Job Number: D1101

Test Unit:

Start Date: 2012/03/05 Start Time: 22:30:00

End Date: 2012/03/06 End Time: 04:00:00

Report Date: 2012/03/06 Prepared By: JOHN RIEDL

Qualified By: STEVE MURPHY

Remarks:

RECOVERY: 10' DRILLING MUD



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

DRILL-STEM TEST TICKET

Company _____ Lease & Well No. _____
 Contractor _____ Charge to _____
 Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
 Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State _____
 Test Approved By _____ Diamond Representative **JOHN C. RIEDL**

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
 Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
 Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
 Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
 Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
 Jars: Make BOWEN Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
 Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
 2nd Open: _____

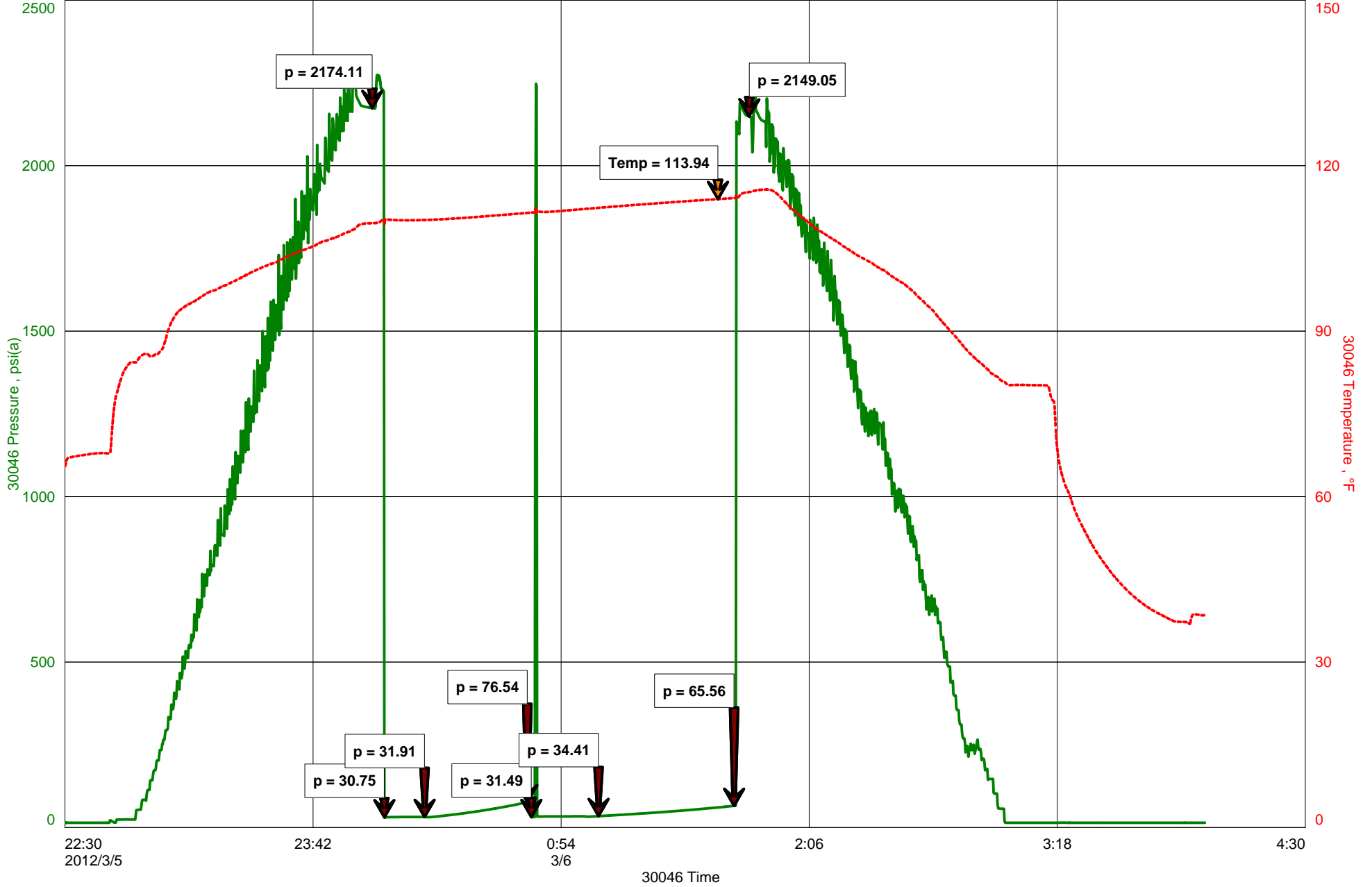
Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____ _____ _____	Price Job
	Other Charges
	Insurance
	Total

Time Set Packer(s)	A.M. P.M.	Time Started Off Bottom	A.M. P.M.	Maximum Temperature
Initial Hydrostatic Pressure		(A)		P.S.I.
Initial Flow Period		Minutes	(B)	P.S.I. to (C) _____ P.S.I.
Initial Closed In Period		Minutes	(D)	P.S.I.
Final Flow Period		Minutes	(E)	P.S.I. to (F) _____ P.S.I.
Final Closed In Period		Minutes	(G)	P.S.I.
Final Hydrostatic Pressure		(H)		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.

ZIMMERMAN 1-15





DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 30046.D1099

Company New Gulf Operating, LLC Lease & Well No. Zimmerman No. 1-15

Elevation 2979 KB Formation Lansing/Kansas City "I" & "J" Effective Pay -- Ft. Ticket No. J2895

Date 3-4-12 Sec. 15 Twp. 12S Range 32W County Logan State Kansas

Test Approved By Stephen P. Murphy Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 4,158 ft. to 4,210 ft. Total Depth 4,210 ft.

Packer Depth 4,153 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,158 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,161 ft. Recorder Number 30046 Cap. 6,000 psi

Bottom Recorder Depth (Outside) 4,207 ft. Recorder Number 11073 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Val Energy, Inc. - Rig 4 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 53 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.1 Water Loss 7.3 cc. Drill Pipe Length 4,132 ft. I.D. 3 1/2 in.

Chlorides 2,500 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 2 Anchor Length 52 ft. 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: N/A
2nd Open: N/A

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks Hit bridge approximately 2,500 ft. off bottom. Couldn't get through. Came back out of hole.

Time Set Packer(s) -- A.M. P.M. Time Started Off Bottom -- A.M. P.M. Maximum Temperature 101°

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

Initial Flow Period Minutes 0 (B) -- P.S.I. to (C) -- P.S.I.

Initial Closed In Period Minutes 0 (D) -- P.S.I.

Final Flow Period Minutes 0 (E) -- P.S.I. to (F) -- P.S.I.

Final Closed In Period Minutes 0 (G) -- P.S.I.

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

GENERAL INFORMATION

Client Information:

Company: NEW GULF OPERATING LLC

Contact: JOE BAKER

Phone: Fax: e-mail:

Site Information:

Contact: STEVE MURPHY

Phone: Fax: e-mail:

Well Information:

Name: ZIMMERMAN 1-15

Operator: NEW GULF OPERATING LLC

Location-Downhole:

Location-Surface: S15/12S/32W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: STEVE MURPHY

Test Type: CONVENTIONAL Job Number: D1099

Test Unit:

Start Date: 2012/03/04 Start Time: 01:30:00

End Date: 2012/03/04 End Time: 05:30:00

Report Date: 2012/03/04 Prepared By: JOHN RIEDL

Qualified By: STEVE MURPHY

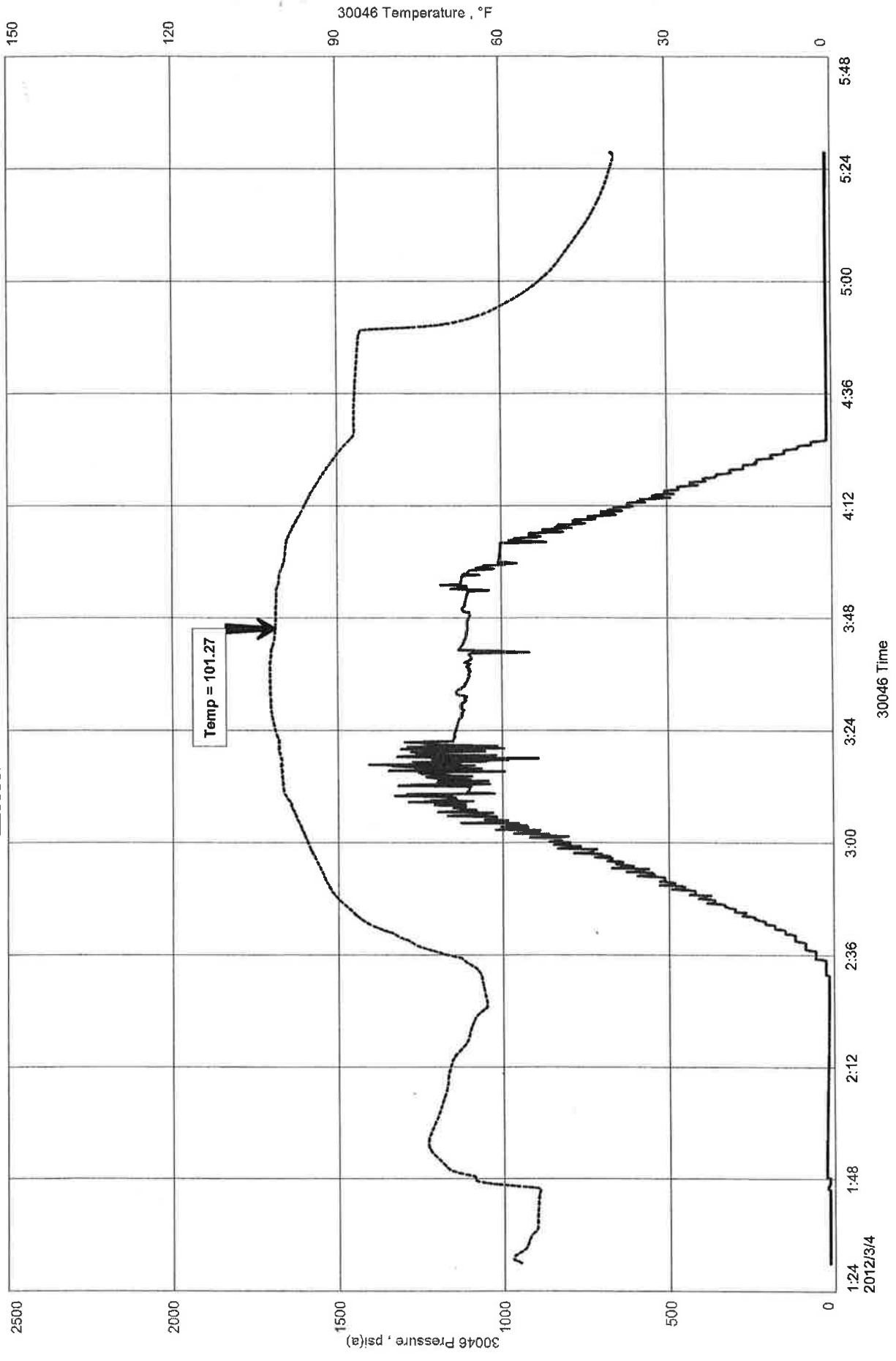
Remarks:

MISRUN? COULDN'T GET TOOL TO BOTTOM

NEW GULF OPERATING LLC
Start Test Date: 2012/03/04
Final Test Date: 2012/03/04

ZIMMERMAN 1-15

ZIMMERMAN 1-15
Formation: LKC "I,J"
Job Number: D1099





DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
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STC 30046.D1100

Company New Gulf Operating, LLC Lease & Well No. Zimmerman No. 1-15

Elevation 2979 KB Formation Lansing/Kansas City "I" & "J" Effective Pay -- Ft. Ticket No. J2896

Date 3-4-12 Sec. 15 Twp. 12S Range 32W County Logan State Kansas

Test Approved By Stephen P. Murphy Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 4,158ft. to 4,210 ft. Total Depth 4,210 ft.

Packer Depth 4,153 ft. Size 6 3/4 in. Packer Depth --ft. Size -- in.

Packer Depth 4,158 ft. Size 6 3/4 in. Packer Depth --ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,161 ft. Recorder Number 30046 Cap. 6,000 psi

Bottom Recorder Depth (Outside) 4,207 ft. Recorder Number 11073 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Val Energy, Inc. - Rig 4 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 53 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.1 Water Loss 7.3 cc. Drill Pipe Length 4,132 ft. I.D. 3 1/2 in.

Chlorides 2,500 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 2 Anchor Length 52 ft. 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 blow. Dead in 3 mins. No blow back during shut-in.

2nd Open: No blow. Flushed tool & received a weak surge. No blow back during shut-in.

Recovered 10 ft. of drilling mud = .142300 bbls.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks

Time Set Packer(s) 1:45 ~~XXX~~ P.M. Time Started Off Bottom 3:25 ~~XXX~~ P.M. Maximum Temperature 110°

Initial Hydrostatic Pressure (A) 2000 P.S.I.

Initial Flow Period Minutes 10 (B) 30 P.S.I. to (C) 31 P.S.I.

Initial Closed In Period Minutes 30 (D) 1261 P.S.I.

Final Flow Period Minutes 15 (E) 31 P.S.I. to (F) 35 P.S.I.

Final Closed In Period Minutes 45 (G) 1319 P.S.I.

Final Hydrostatic Pressure (H) 1977 P.S.I.

GENERAL INFORMATION

Client Information:

Company: NEW GULF OPERATING LLC
Contact: JOE BAKER
Phone: Fax: e-mail:

Site Information:

Contact: STEVE MURPHY
Phone: Fax: e-mail:

Well Information:

Name: ZIMMERMAN 1-15
Operator: NEW GULF OPERATING LLC
Location-Downhole:
Location-Surface: S15/12S/32W

Test Information:

Company: DIAMOND TESTING
Representative: JOHN RIEDL
Supervisor: STEVE MURPHY
Test Type: CONVENTIONAL Job Number: D1100
Test Unit:
Start Date: 2012/03/04 Start Time: 11:30:00
End Date: 2012/03/04 End Time: 17:20:00
Report Date: 2012/03/04 Prepared By: JOHN RIEDL

Remarks:

Qualified By: STEVE MURPHY

RECOVERY: 10' DRILLING MUD

ZIMMERMAN 1-15

