

#### Kansas Corporation Commission Oil & Gas Conservation Division

1062470

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

# WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
☐ New Well ☐ Re-Entry ☐ Workover	Total Depth: Plug Back Total Depth:
Oil         WSW         SWD         SIOW           Gas         D&A         ENHR         SIGW           OG         GSW         Temp. Abd.           CM (Coal Bed Methane)         Cathodic         Other (Core, Expl., etc.):	Amount of Surface Pipe Set and Cemented at: Feet  Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	feet depth to: w/ sx cmt.
Operator:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:  Deepening Re-perf. Conv. to ENHR Conv. to SWD  Conv. to GSW	Chloride content:ppm Fluid volume:bbls  Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec TwpS. R
☐ ENHR         Permit #:           ☐ GSW         Permit #:	County: Permit #:
	•
Spud Date or Date Reached TD Completion Date or Recompletion Date	

#### **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
Letter of Confidentiality Received
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

Side Two



Operator Name:			Lease Name: _			_ Well #:	
Sec Twp	S. R	East West	County:				
time tool open and cle recovery, and flow rate	osed, flowing and shu	nd base of formations pe at-in pressures, whether est, along with final chart well site report.	shut-in pressure rea	ched static level,	hydrostatic press	sures, bottom h	nole temperature, fluid
Drill Stem Tests Take		☐ Yes ☐ No		og Formatio	n (Top), Depth ar	nd Datum	Sample
Samples Sent to Geo	ological Survev	☐ Yes ☐ No	Nam	ne		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Cop	ed Electronically	Yes No Yes No Yes No					
List All E. Logs Run:							
			RECORD No	ew Used ermediate, product	ion, 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
		ADDITIONA	L CEMENTING / SQI	JEEZE RECORD	1		
Purpose:  —— Perforate —— Protect Casing	Depth Top Bottom	Type of Cement	# Sacks Used		Type and F	Percent Additives	
—— Plug Back TD —— Plug Off Zone							
Shots Per Foot	PERFORATI Specify	ON RECORD - Bridge Plu Footage of Each Interval Pe	gs Set/Type rforated		cture, Shot, Cemen mount and Kind of Ma		d Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No	1	
Date of First, Resumed	d Production, SWD or EN	IHR. Producing Me		Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf Wat	ter B	bls.	Gas-Oil Ratio	Gravity
	ION OF GAS:		METHOD OF COMPLI			PRODUCTIO	ON INTERVAL:
Vented Sole	d Used on Lease	Open Hole	Perf. Dually (Submit		mmingled mit ACO-4)		

Form	ACO1 - Well Completion
Operator	New Gulf Operating LLC
Well Name	Horton 1
Doc ID	1062470

## Tops

Name	Тор	Datum
Heebner	-1450	1
Lansing-KC	-1625	8
Stark	-1643	8
ВКС	-1928	-4
Miss Chert	-2129	-2
Total Chert		-6
Kinderhook	-2197	+31
Viola	2386	-17
Simpson Sand	-2473	-18
Arbuckle	-2537	-14



#### DRILL STEM TEST REPORT

New Gulf Operating LLC

Horton#1

6310 E.102nd St.

32-24s-9w Reno Ks.

Tulsa Ok.74137

Job Ticket: 042506 **DST#:1** 

ATTN: Joe Baker/Sean Deenihsa Ok.74137

Test Start: 2011.06.22 @ 01:38:12

#### GENERAL INFORMATION:

Formation: MIss.

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole

Time Tool Opened: 04:52:27

Tester: Gary Pevoteaux

Time Test Ended: 11:26:42 Unit No: 56

Interval: 3853.00 ft (KB) To 3882.00 ft (KB) (TVD) Reference Elevations: 1721.00 ft (KB)

Total Depth: 3882.00 ft (KB) (TVD) 1711.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 8167 Inside

Press@RunDepth: 159.92 psig @ 3854.00 ft (KB) Capacity: 8000.00 psig

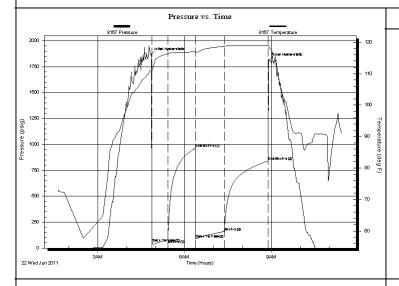
 Start Date:
 2011.06.22
 End Date:
 2011.06.22
 Last Calib.:
 2011.06.22

 Start Time:
 01:38:17
 End Time:
 11:26:42
 Time On Btm:
 2011.06.22 @ 04:50:12

Time Off Btm: 2011.06.22 @ 08:55:12

TEST COMMENT: IF:Strong blow . B.O.B. in 3 1/2 mins.

ISI:Weak blow . 1/2 - 23". FF:Strong blow . B.O.B. in 8 mins. FSI:Weak to fair blow . 1 - 6".



#### PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1865.32	111.05	Initial Hydro-static
3	51.31	110.78	Open To Flow (1)
35	79.76	116.32	Shut-In(1)
93	966.16	116.95	End Shut-In(1)
93	89.85	116.70	Open To Flow (2)
153	159.92	118.71	Shut-In(2)
243	840.28	118.95	End Shut-In(2)
245	1812.63	118.54	Final Hydro-static

#### Recovery

Length (ft)	Description	Volume (bbl)
120.00	SW /o specs/Rw .07ohms@83deg	1.68
125.00	GOCMW 4%g 9%o 20%m 65%w	1.75
65.00	GOCWM 5%g 13%o 40%w 42%m	0.91
0.00	930 ft.of GIP	0.00

#### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc Ref. No: 042506 Printed: 2011.06.22 @ 13:36:27 Page 1



#### DRILL STEM TEST REPORT

**FLUID SUMMARY** 

New Gulf Operating LLC

Horton#1

6310 E.102nd St. Tulsa Ok.74137 32-24s-9w Reno Ks.

Serial #: none

Job Ticket: 042506 **DST#:1** 

ATTN: Joe Baker/Sean Deenihsa Ok.74137 Test Start: 2011.06.22 @ 01:38:12

#### **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: 97000 ppm

Viscosity: 52.00 sec/qt Cushion Volume: bbl

Water Loss: 13.59 in<sup>3</sup> Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 12000.00 ppm Filter Cake: 0.20 inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
120.00	SW /o specs/Rw .07ohms@83deg	1.683
125.00	GOCMW 4%g 9%o 20%m 65%w	1.753
65.00	GOCWM 5%g 13%o 40%w 42%m	0.912
0.00	930 ft.of GIP	0.000

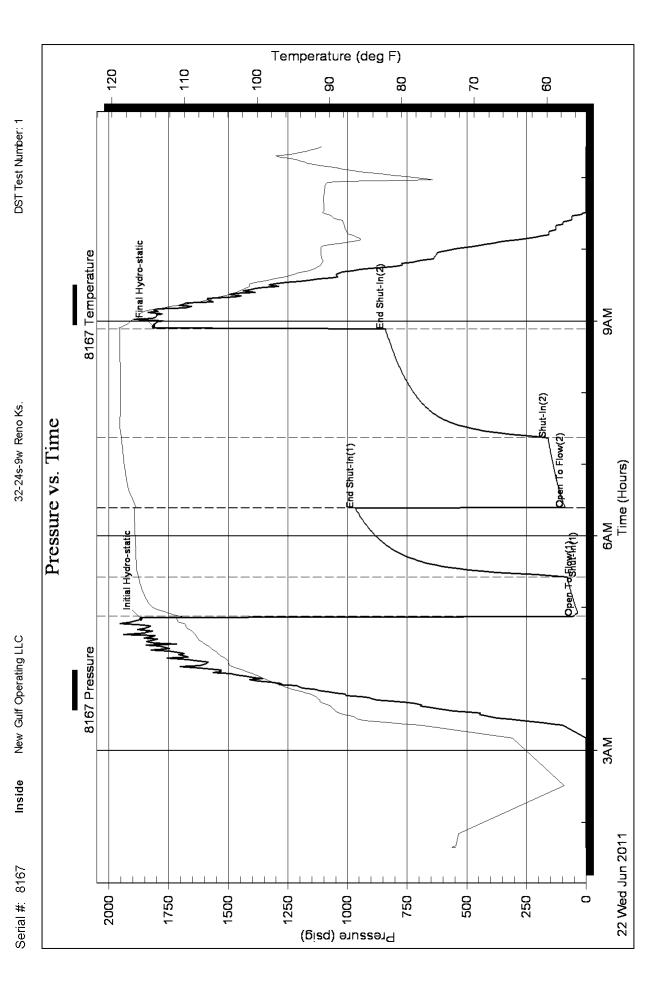
Total Length: 310.00 ft Total Volume: 4.348 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 042506 Printed: 2011.06.22 @ 13:36:28 Page 2



Page 3

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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/

Sam Brownback, Governor

Mark Sievers, Chairman Ward Loyd, Commissioner Thomas E. Wright, Commissioner

September 14, 2011

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

Re: ACO1 API 15-155-21574-00-00 Horton 1 NW/4 Sec.32-24S-09W Reno 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, Robert Rodriguez



10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

## FIELD SERVICE TICKET 1718 04407

PRESSURE PUMPING & WIRELINE DATE TICKET NO. CUSTOMER ORDER NO.: DATE OF JOB OLD PROD ☐ WDW DISTRICT WELL NO. LEASE CUSTOMER **ADDRESS** COUNTY SERVICE CREW CITY STATE JOB TYPE: TIME DATE **EQUIPMENT#** HRS **EQUIPMENT#** HRS **EQUIPMENT#** HRS TRUCK CALLED ARRIVED AT JOB START OPERATION **FINISH OPERATION** 

**AUTHORIZED BY** RELEASED MILES FROM STATION TO WELL CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered). The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP. (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT) ITEM/PRICE REF. NO MATERIAL, EQUIPMENT AND SERVICES USED UNIT QUANTITY UNIT PRICE \$ AMOUNT

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SERVICE REPRESENTATIVE

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

#### FIELD SERVICE TICKET

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FIELD SERVICE ORDER NO.

REPRESENTATIVE

THE ABOVE MATERIAL AND SERVICE
ORDERED BY CUSTOMER AND RECEIVED BY: LONG A CONTRACTOR OR AGENT)

SERVICE



PO BOX 31 Russell, KS 67665

Voice: Fax:

(817) 546-7282

(817) 246-3361

Bill To:

New Gulf Operating, LLC 6100 S. Yale, Suite 2010 Tulsa, OK 74136

INVOICE

Invoice Number: 127565

Invoice Date: Jun 13, 2011

1 Page:

Federal Tax I.D.#: 20-5975804

	CustomerID	Well Name# or Customer P.O.	Payment Terms	phil			
NewG Horton #1		Horton #1	Net 30 Days				
s[kr	Job Location	Camp Location	Service Date Due Date				
	KS2-01	Medicine Lodge	Jun 13, 2011 7/13/11				

Quantity	Ttem.	Description	Unit Price	Amount
180.00	MAT	Class A Common	16.25	2,925.00
120.00	MAT	Pozmix	8.50	1,020.00
5.00	MAT	Gel	21.25	106.25
10.00	MAT	Chloride	58.20	582.00
315.00	SER	Handling	2.25	708.75
45.00	SER	Mileage	34.65	1,559.25
1.00		Surface	1,125.00	1,125.00
90.00		Heavy Vehicle Mileage	7.00	630.00
1,00		Manifold Head Rental	200.00	200.00
90.00		Light Vehide Mileage	4.00	360.00
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		Fax# 918-728-3194 Fax#		

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 11/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

ONLY IF PAID ON OR BEFORE Jul 8, 2011

	2.0
Subtotal	9,308.25
Sales Tax	344.94
Total Invoice Amount	9,653.19
Payment/Credit Applied	9,653.19
TOTAL	0.00

Jun. 20. 2011 1:09PM

Tax Makonly

Allied Cementing Med. Lodge

No. 8226 P. 5

# ALLIED CEMENTING CO., LLC. 040218 Federal Tax 1.0.# 20-5975904

ASE MOTTON WELLS: / LOCATION 50 & LANSLOW BLEET PROW ES  DORNEW Circle one) 4. SOURCE   NOSE SLICE   KS2-01 7.	ATE 6-13-11 SEC 245 RANGE	aw CALL	LED OUT	ONLOCATIO	N JOB STAX	1 108 FIN	ISH
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REMARKS:  P.P. 20 bottom breek circulation  Who 3 bbit least were sheet by the state of the reverse side.  PLUC & FLOAT EQUIPMENT  STATE  Allied Cementing Co., LLC  What is the state of the reverse side.  Allied Cementing Co., LLC  What is the state of the reverse side.  PLUC & FLOAT EQUIPMENT  SALES TAX (Many)  J. 44.95  TOTAL CHARGES  PLUC & FAIL SALES TAX (Many)  J. 44.95  TOTAL CHARGES  PLUC & FLOAT EQUIPMENT  SALES TAX (Many)  J. 44.95  TOTAL CHARGES  PLUC & FLOAT EQUIPMENT  SALES TAX (Many)  J. 44.95  TOTAL CHARGES  PLUC & FLOAT EQUIPMENT  SALES TAX (Many)  J. 44.95  TOTAL CHARGES  PLUC & FLOAT EQUIPMENT  SALES TAX (Many)  J. 44.95  TOTAL CHARGES  PLUC & FLOAT EQUIPMENT  SALES TAX (Many)  J. 44.95  TOTAL CHARGES  PLUC & FLOAT EQUIPMENT  SALES TAX (Many)  J. 44.95  TOTAL CHARGES  PLUC & FLOAT EQUIPMENT  SALES TAX (Many)  J. 44.95  TOTAL CHARGES  DISCOUNT  J. 44.660	LK TRUCK	<u> </u>					
DRIVER  REMARKS:  Pread bothom breek citatetic and bear and helpers; to assist owner or intractor to do work as is listed. The above work was read as upervision of owner agent or intractor to do work as is listed. The above work was read as upervision of owner agent or intractor to do work as is listed. The above work was read as upervision of owner agent or intractor to do work as is listed. The above work was read as upervision of owner agent or intractor to do work as is listed. The above work was read as upervision of owner agent or intractor to do work as is listed. The above work was read as upervision of owner agent or intractor to do work as is listed. The above work was read as upervision of owner agent or intractor to do work as is listed. The above work was read and understand the "GENERAL REMS AND CONDITIONS" listed on the reverse side.  NIED NAME & Color of the property of the propert	121-252 DRIVER DUSTIN E	<i>2</i> -		·			
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REMARKS:  Pred bottom break citadetian  Ump 3 this fresh we be 3 hear, but  One of Camer is Shirt acus  Plane is being hear hear hear.  Plane is being hear hear hear hear.  Plane is being hear hear hear hear.  Pump truck charge 1/25.00  Extra footage 7/25.00  Extra footage 7	DALITER	51	HANDLIN	3 315	0.2.2	708	
MANIFOLD  Jest vehicle 90 9 460 360.00  REET TOTAL 23/5. 2  PLUG & FLOAT EQUIPMENT  STATE 2IP  PLUG & FLOAT EQUIPMENT  STATE 22.60  SALES TAX (If Any) 3 44.95  TOTAL 92.60  INTED NAME & Color of the reverse side.  SALES TAX (If Any) 3 44.95  TOTAL CHARGES 930 8.25  INTED NAME & Color of the part of t	UMP 3 bbls Gresh webs 3he COS - Of Comern Shut Low eless - 9109, Stack Lis Digs	POPE SI	DEPTH OF	JOB 2231	RVICE		
TOTAL 23/5. E  REET	Ump 3 hbis Kresh we wa 3 he CO.S. of Cement Shuz Down eless = 9149, Steck displace one 13 bbis of fresh we wa	Ship Si	DEPTH OF PUMP TRU EXTRA FO	JOB 2231 CK CHARGE OTAGE	NVICE	ð	
TOTAL 23/5. E  REET	Ump 3 hbis Kresh we wa 3 he CO.S. of Cement Shuz Down eless = 9149, Steck displace one 13 bbis of fresh we wa	Shut Si	DEPTH OF PUMP TRU EXTRA FO MILEAGE	JOB 2231 CK CHARGE OTAGE	//25.0	6 63D	_OD_
Aliled Cementing Co., LLC  We are turned to generate and helper(s) to assist owner or intractor to do work as is listed. The above work way no to satisfaction and supervision of owner agent or intractor. I have read and understand the "GENERAL ERMS AND CONDITIONS" listed on the reverse side.  SALES TAX (MANY) 344.95  TOTAL CHARGES 930 8.25  INTED NAME & block bedrigue.  DISCOUNT 20% Le FAID IN 30 DAY  WE + 7446.60	Ump 3 bbis Kresh we wa she Och of Cement Shub Down eless = glus, Stack displace one 13 bbis of fresh we be	Shue	DEPTH OF PUMP TRU EXTRA FO MILEAGE MANIFOLI	JOB 2231 CK CHARGE OTAGE	//25.0	6 63D	-OD
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d furnish comenter and helper(s) to assist owner or intractor to do work as is listed. The above work was no to sall state on and supervision of owner agent or authority. I have read and understand the "GENERAL ERMS AND CONDITIONS" listed on the reverse side.  SALES TAX (MANY). 344.95  TOTAL CHARGES. 930 8.25  INTED NAME & Color of the property of the part of the property of the part of	Ump 3 bbls Eresh we wa 3 he  OC ST OF Comercy Shut You  eless = 9149, Stock Elsolder  or 13 bbls of Fresh we be,  or, Comercy did Circulate  HARGETO: Now Golf  REET	Short Si	DEPTH OF PUMP TRUE EXTRA FO MILEAGE MANIFOLI  Light Ne	JOB 2231 CK CHARGE OTAGE OTAGE PLUG & FL	RVICE  //25.0  @ 70  // @ 466  TO  OAT EQUIP	6 630 7 340 TAL 23/3	. 60 . 60
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INTED NAME & Color Court	Allied Cementing Co., LLC  Out to de Camero and helper(s) to assist on the content of the conten	quipment water or work was	DEPTH OF PUMP TRUE EXTRA FO MILEAGE MANIFOLI  Light Ne	JOB 2231 CK CHARGE OTAGE OTAGE PLUG & FL	RVICE  //25.0  @ Zo  @ Zo  @ Go  OAT EQUIP	6 630 340 TAL 23/3	00 0.00 05, E
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INTED NAME & Check Poder QUER. DISCOUNT 20% UF FAID IN SO DAY	Allied Cementing Co., LLC  Allied Cementer and helper(s) to assist on the content of development	quipment where or work was agent or significant.	DEPTH OF PUMP TRUE EXTRA FO MILEAGE MANIFOLD  Light He  8-57	JOB 2231 ICK CHARGE OTAGE  OTAGE  PLUG & FL  S  OTAGE  PLUG & FL  S  OTAGE  PLUG & FL  S  OTAGE  OTA	RVICE  //2S.0  @ 76  @ 76  TO  OAT EQUIP	6 630 340 TAL 23/3 MENT	00 0.00 05, E
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#### **DRILLING REPORT**

**NEW GULF ENERGY** 

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

#1 HORTON

964'FNL 670'FWL Section 32-T24S-9W Reno County, Kansas API # 15-155-21574 Drilling Contractor: VAL DRILLING RIG 2 (620-617-2793)

Elevation: GL1707 **KB 1717** 

Geologist: Shawn Denahan 316-640-7034/ Joe Baker 316-253-9696

Comparison Well: New Gulf Energy # 1 DEALY

2248'FNL 1718'FWL 31-24S-9W Reno Co., Kansas

New Gulf Rep: Danny Birdwell 432-940-6680/ Engineer JoJo Birdwell 432-634-0773

	EL	OG TOPS	DATUM	SHOWS
HEEBNER BROWN LM	3167 3342	(-1450) (-1625)	1 8	
LANSING-KC	3360	(-1623) (-1643)	8	
STARK	3645	(-1928)	-4	
BKC	3728	(-2011)	-2	
MISS CHERT	3846	(-2129)	-6	Cut 30' excellent weathered porosity, good shows free oil, gas ,odor, Med bright fluorescence, good dk brown stain saturated in part, Carried shows throughout Miss Chert section
TOTAL CHERT	63'		+31	<u> </u>
KINDERHOOK	3914	(-2197)	-12	
VIOLA	4103	(-2386)	-17	No Shows
SIMPSON SAND	4190	(-2473)	-18	No Shows
ARBUCKLE	4354	(-2537)	-14	
RTD	4320	(-2603)		
LTD	4300	Fill in Hole		

#### 7:00 AM Depths

6/13/2011 Spud

6/14/2011 Set 8 5/8 " surface @ 222' WOC

6/15/2011 226'Down for repairs

6/16/2011 1620' work on rig

6/17/2011 1620' work on rig

6/18/2011 1830'

6/19/2011 2497

6/20/2011 3191

6/21/2011 3670' Drilling ahead

6/22/2011 3882 DST #1 Mississippian Chert

3853-3882 30-60-60-90

Ist Open: OBB in 3/12" 1<sup>st</sup> Shut In: 2' Blow Back 2<sup>nd</sup> open: OBB in 8" 2<sup>nd</sup> Shut In: 6" Blow Back Recovery:930' Gas In Pipe

> 65' Gassy Oil Cut Watery Mud (13% Oil,42 % Mud ,40 % Water) 125' Gassy Oil Cut Muddy Water (4% Gas ,9% Oil,20% Mud, 65% water)

120' 120' Water w/ Oil Specs (.07 Ohms @ 83 Deg.)

IFP/FFP: 51-110/89-116#

Rec Chl: 97,000 PPM ISP/FSP: 966/840# System Chlorides: 12,000ppm, WL 13.5

IHP/FHP: 1865/1812#

6/23/2011 4122'

6/24/2010 4120 RTD Logging

Halliburton Triple Combo /Sonic/Rotary Cores

#### Cores taken at:

3710,3852,3856,3858,3865,3870,3874,3879,3884,3888,3902,3904,3913,4200

3710: Lansing Hertha Foss. Ls Good shows free oil ,gas ,strong odor ,good even dark brown stain

3852,3856,3858: Upper Porosity:Chert-Tripolitic, Good free oil in core barrel, bleeding oil & gas, strong odor, saturated dark brown rich stain

3865: shales gray -green cherty slight shows oil, stain odor

3870,3879,3884,3902,3904,: Chert more fresh shows free oil, gas, stain and odor throughout. Shows decreasing w/depth.

P.O. Βοχ 65 Seiling, OK 73663



INVOICE

Invoice Number: 200496F
Invoice Date: Aug 8, 2011

Page:

Voice (405) 381-4928 Fax: (580) 922-4659

Email: gorenitrogen@yahoo.com

#### Bill To:

New Gulf Energy 6310 East 102 St. Tulsa, OK 74137

Well Name	County Name	Payment Terms		
Horton #1	Reno	Net 10	Days	
State	Legal	Job Date Due D		
KS		8/8/11	8/21/11	

Quantity	Description	Unit Price	Amount
33,054.00	X Frac 20	0.17	5,619.18
8,946.00	L Frac 20	0.12	1,073.52
36.00	KCL Substitute Claymax	27.00	972.00
172.00	Foamer DF 100	31.50	5,418.00
5.00	10L Breaker	174.50	872.50
65.00	AP Breaker	6.00	390.00
2.00	Powdered Biocide	26.50	53.00
36.00	Surfactant	22.50	810.00
103,000.00	20/40 Mesh White Sand (Price per pound)	0.18	18,540.00
13,770.00	1,377,000 scf Nitrogen (per 100scf)	1.20	16,524.00
1.00	Frac Van	1,440.00	1,440.00
1.00	Chem Add/QA	1,200.00	1,200.00
1.00	Blender	1,800.00	1,800.00
1.00	Iron Truck	960.00	960.00
1.00	2250 HP Quitaplex Frac Pump	4,800.00	4,800.00
1.00	1300 HP Twin Triplex Pump	2,600.00	2,600.00
1.00	Frac Valve	480.00	480.00
2.00	Sand Master	960.00	1,920.00
13,360.00	Pump/Vaporizer (per 100 scf) 1,336, 000 Scf	1.00	13,360.00
3.00	Pump Setup includes first 6 hours on location	2,160.00	6,480.00
6.00	Frac Supervisor	65.00	390.00

Subtotal	Continued
Sales Tax	Continued
Total Invoice Amount	Continued
Payment/Credit Applied	
TOTAL	Continued

P.O. Box 65 Seiling, OK 73663



Invoice Number: 200496F Invoice Date: Aug 8, 2011

Page:

Fax:

Voice (405) 381-4928 (580) 922-4659

Email:

gorenitrogen@yahoo.com

New Gulf Energy 6310 East 102 St. Tulsa, OK 74137

Well Name	County Name	Payment Terms	
Horton #1	Reno	Net 10	Days
State	Legal	Job Date	Due Date
KS		8/8/11	8/21/11

Description	Unit Price	Amount
Heavy Equipment Miles (13 Units @ 150 Miles)	4.00	7,800.00
Light Equipment Mileage (2 Units @ 150 Miles NEW WEII - No Tax	2.50	750.00
COMPANY WELL # Horton # 1 AFE # G/LACCT CODE 1520-26		
CATA ENTRY/DATE AUTHORIZED/DATE  ### STATE OF THE PARTY O		
	Light Equipment Miles (13 Units @ 150 Miles) Light Equipment Mileage (2 Units @ 150 Miles NEW WEII - No Tax  COMPANY WEIL # AFE # G/L ACCT CODE G/L DESCRIPT DATA ENTRY/DATE AUTHORIZED/DATE	Heavy Equipment Miles (13 Units @ 150 Miles) Light Equipment Mileage (2 Units @ 150 Miles  NEW WEII - No Tax   COMPANY WEIL # Horton # I AFE # G/L ACCT CODE G/L DESCRIPT DATA ENTRY/DATE AUTHORIZED/DATE  AUTHORIZED/DATE  ## G/L ACCT CODE ## G/L G/L LIGHT ## G/L G/L G/L LIGHT ## G/L

Subtotal	94,252.20
Sales Tax	
Total Invoice Amount	94,252.20
Payment/Credit Applied	
TOTAL	94,252.20

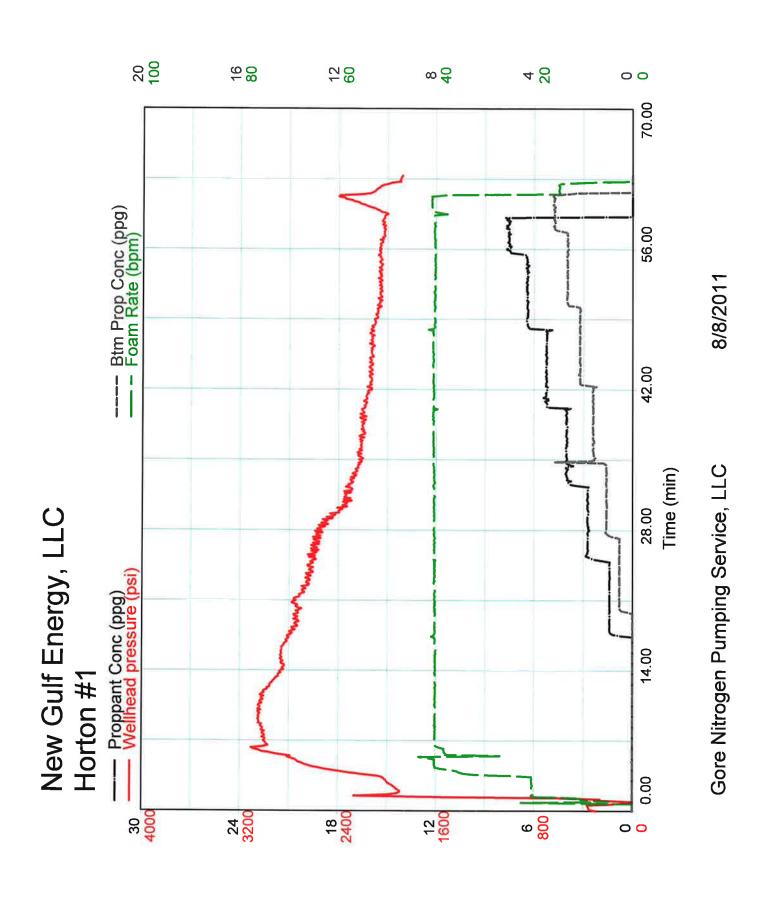
Gore Nitrogen Pumping Service, LLC P.O. Box 65 Seiling, OK 73663



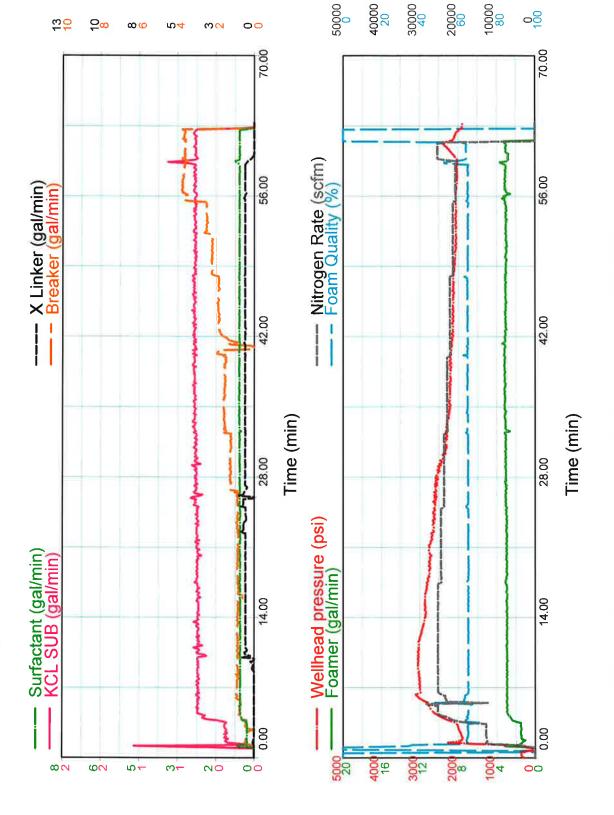
Office: (580) 922-4660 Mobile: (580) 922-1498

Fax: (580) 922-4659

Customer:	New	Gulf Energy	/					Γicket	
	6310	East 102 St				-	Telu	IICKEL	
	Tulsa	a, OK 74137				Field Ticket N	umber:		200496F
				-		Ticket Date:		:-	08/08/11
Well Name:	Horte	on #1							
County:	Reno				8	Date of Job:			08/08/11
State:	Kans					Job Type:	65Q N2 Foa	m Frac	
Legal Desc:	-					Trucks:	Frac		
Description		Quantity	ī	Init Price	Unit	Total	Discount	Disc. Price	Discounted Total
X Frac LG 20	-	33,054	\$	0.34	gal	\$11,238.36	50%	\$0.17	\$5,619,18
L Frac 20		8,946	\$	0.24	gal	\$2,147.04	50%	\$0.12	\$1,073.52
Cs-1L KCL Substitute		36	\$	54.00	gal	\$1,944.00	50%	\$27.00	\$972.00
FA-1 Foamer		172	\$	63.00	gal	\$10,836,00	50%	\$31.50	\$5,418.00
10L- Breaker		5	\$	349.00	gal	\$1,570,50	50%	\$174.50	\$785.25 872
AP Breaker		65	\$	12.00	gal	\$780.00	50%	\$6.00	\$390.00
Bio-3 Powerderd Biocide		2	\$	53.00	gal	\$106,00	50%	\$26.50	\$53.00
Surfactant		36	\$	45.00	ea	\$1,620.00	50%	\$22.50	\$810.00
20/40 Mesh Sand		103,000	\$	0.36	lb	\$37,080.00	50%	\$0.18	\$18,540,00
Nitrogen Product (per 100scf)		1,377,000	\$	3.00	lb	\$41,310.00	60%	\$1.20	\$16,524.00
Equipment:		Quantity	ι	Init Price	Unit	Total	Discount	Disc. Price	Discounted Total
Frac Van		1	_	3,600.00	ea	\$3,600.00	60%	\$1,440.00	\$1,440.00
Chem Add/QA		1		3,000,00	ea	\$3,000.00	60%	\$1,200.00	\$1,200.00
Blender		1	\$	4,500.00	ea	\$4,500.00	60%	\$1,800.00	\$1,800.00
Iron Truck		1		2,400,00	ea	\$2,400.00	60%	\$960,00	\$960.00
Quintaplex Frac Pump		1		12,000.00	ea	\$12,000.00	60%	\$4,800.00	\$4,800.00
Twin Triplex Frac Pump		1		6,500.00	ea	\$6,500.00	60%	\$2,600.00	\$2,600.00
Frac Valve		1		1,200.00	ea	\$1,200.00	60%	\$480.00	\$480.00
Sandmaster		2		2,400,00	ea	\$4,800.00	60%	\$960.00	\$1,920.00
Pump/ Vaporizer(per 100scf)		1,336,000	•	\$2.50	ea	\$33,400.00	60%	\$1.00	\$13,360.00
N2 Pump Set-up		3	\$	5,400.00	ea	\$16,200.00	60%	\$2,160.00	\$6,480,00
Supervisor		6		\$130.00	ea	\$780.00	50%	\$65.00	\$390.00
Heavy Equipment Mileage	13	150	Ï	\$8.00	ea	\$15,600.00	50%	\$4.00	\$7,800.00
Light Equipment Mileage	2	150		\$5.00	ea	\$1,500.00	50%	\$2.50	\$750.00
Light Equipment Mileage		130	T =	φ5.00	T	Ψ1,000.00	1 1	Ψ2.00	7 00.00
Subtotal:					List Price	\$214,111.	90	Disc. Total	\$94,164.95
Sales Tax:		0.0%	6 New	Mall	LIST I IICC	Ψ217,111.	00	Dioc. Fotos	\$0.00
Total Estimated Cost:	-	(estimated cost			voice may	he different)			
Total Estimated Cost.		estimated cost	UII IUUA	uon, actuar ii	Wolce may	be different)			2
Employees attending pre job safe	ty meeting:				See safety	sign in sheet.			\$84,164.95
Customer Comments:									
									*
3ach Wuld	7		_	(	Gustome	A Signature		<b>?</b>	
				V	V		2.1		
Zach Nichols					10	e Joe	DIrdi	well_	
Nitrogen Supervisor					Customo	Printed Name			



New Gulf Energy, LLC Horton #1



Gore Nitrogen Pumping Service, LLC

8/8/2011

Customer Lease

New Gulf Energy, LLC

Horton #1

Date 8/8/2011 FT# 200496

Stage 1		
Total Load	834	BBL
Total Acid	0	BBL
Total Water	834	BBL
20/40 Mesh Sand	102,700	
Total N2 DH	1,336,000	SCF
Average Rate Max Rate	40.1 43.4	
Average Pressure	2435	DQI

ISIP 1942 PSI 5 min N/A PSI 10 min N/A PSI 15 min N/A PSI

## Stimulation Quality Control prepared for

New Gulf Energy, LLC
Horton #1
Reno County, Kansas
GN2XG20 65 Quality N2 Foam Frac

The PRE-POST-JOB QUALITY CONTROL testing and inventory checklists will use the following procedures and include the following information:

Ensure correct and sufficient chemicals, materials, and proppants are loaded for the job Strap frac tanks to ensure there are sufficient fluids on location for the job including tank bottoms

Dry biocides may be added to frac fluids prior to or during loading of frac tanks

Perform water analysis to ensure compatability with fluid system

Water analysis will be performed on each frac tank to ensure quality

If water is acceptable, perform hydration test with frac water and gel on location

Verify beginning additive / chemical inventories on location

If initial hydration test is acceptable, calculate loadings for any pre-mix additives / chemicals

and begin pre-mixing (gel, KCl, etc)

sing pre-mixed fluids on location begin testing gel, crosslinkers and start break tests as procedure require

Include all additives / chemicals / breakers from location in break tests

Perform proppant analysis Perform acid analysis

# Stimulation Quality Control Checklist

Water Analysi	\$							
	Tank 1			Tank 2			Tank 3	
Ph	6		Ph	6		Ph		
Iron	0		Iron	0		Iron		
Specific gravit	y 1		Specific gravit	v 1		Specific gravity		
Temperature	82		Temperature	82		Temperature		
Potasium	D		Potasium	0		Potasium		
Acid Analysis		V				1		
	Tank 1			Tank 2			Tank 3	
Specific gravit	y		Specific gravit	v		Specific gravity		
Titration			Titration			Titration		
Temperature			Temperature			Temperature		
Water Tank St	traps		Gel Hydration	Test		Crosslink Test		
Tankl	500	BBL	Gel Loading	Viscosity	Time	Gel Loading	X-Linker Loading	X-Link Time
Tank 2	500	BBL	20	10	Minute	20	1 gal/m	Instant
Tank 3	250	88L	20	11	2 Minutes	20		
Total	1250	BBL	20	1	3 Minutes	20		
Ending Tank S	traps		Gel Hydration	Test		Crosslink Test		
Gel .	89	IBBL	Gel Loading	Viscosity	Time	Gel Loading	X-Linker Loading	X-Link Time
Gel	138	BBL	0		I Minute	0	3	
Water	0	BBL	0		2 Minutes			
Total	227	BBL			3 Minutes	0		
		Chemicals / Ma	terials Inventor	יע	1		ppant Sieve Ana	lvsis
Chemical / 1	Material Name	Required	Beginning	Ending	Total Used	Proppant type		/40
Plexgel 907	LGC	210	825	665	210	Sieve Size	Grams	Percent%
Plexbore 101	xlinker	32	150	117	33	16	0.0	0.00%
210 E	Surfactant	34	350	314	36	20	7.7	7.68%
Claymax	KCL	34	350	314	36	30	73.7	73.48%
Biocide		2	34	32	2	35	16.9	16.85%
10 L	Breaker	4.5	15	10.5	4.5	40	1.6	1.60%
AP	Breaker	55	120	65	55	50	0.4	0.40%
DF 100	Foamer	170	445	273	172	Pan	0.0	0.00%
				0		Total	100.3	100.00%
				0		Propps	nt Inventory on	Location
						Proppant Type	Beginning lbs	Ending lbs
				0		20/40		
		Break 1	est Data			20/40 RES		
Breaker Type	Breaker Type			Temperature	110			
Enzyme	AP	Include cher	nical additives in all b			Totals	0	0
	Breaker Loading		30	45	60	90	120	180
.lg/m	.5 lbs/m	WXL	Broke	<u> </u>				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		.,,,		1				
.lg/m	1.0 lbs/m	Broke						

# Page 1

# Gore Nitrogen Pumping Service, LLC Customer Lease New Gulf Energy, LLC Date 8/8/2011 FT# 200496

Stage 1	Clean Vol	8750	Clean Rt	14	
Pad	Description	Set Point	Rate gpm	Stage Volume gal	Total Volume gal
Chem I	210E	1.00	0.59	8.75	8.8
Chem 2	0	0.00	0.00	0.00	0.0
Chem 3	X-LINKER	1.00	0.59	8.75	8.8
Chem 4	CLAYMAX	1.00	0.59	8.75	8.8
Chem 5	AP BREAKER	1.50	0.88	13.13	13.1
Chem 6	FDAMER	5.00	2.94	43.75	43.8
Chem 7		0.00	0.00	0.00	0.0
Chem 8		0.00	0.00	0.00	0.0
Dry Add 1		0.00	0.00	0.00	0.0

Stage 4	Clean Vol	4487	Clean Rt	14	
1.5#	Description			Stage	Total
		Set Paint	Rate	Valume	Volume
		gal/mgal	gpm	gal	gal
Chem 1	210E	1.00	0.59	4.49	21.9
Chem 2	0	0.00	0.08	0.00	0.0
Chem 3	X-LINKER	1.00	0.59	4.49	21.9
Chem 4	CLAYMAX	1.00	0.59	4.49	21.9
Chem 5	AP BREAKER	2.50	1.47	11.22	39.6
Chem 6	FOAMER	5.00	2.94	22.44	109.6
Chem 7	O	0.09	0.00	0.00	0.0
Chem 8	0	0.00	0.00	0.00	0.0
Dry Add 1	D	0.00	0.00	0.00	0.0

Stage 2	Clean Vol	4296	Clean Rt	14	
5#	Description			Stage	Total
		Set Point	Rate	Volume	Volume
		gal/mgal	gpm	gal	gal
Chem 1	210E	1.00	0.59	4.30	(3.0
Chem 2	0	0.00	0.00	0.00	0.0
Chem 3	X-LINKER	1.00	0.59	4.30	(3.0
Chem 4	CLAMAX	1.00	0.59	4.30	13.0
Chem 5	AP BREAKER	1.50	0.88	6.44	19.6
Chem 6	FOAMER	5.00	2.94	21.48	65.2
Chem 7		0.00	0.00	0.60	0.0
Chem 8	0	0.00	0.00	0.00	0.0
Dry Add I	D	9.00	0.00	0.00	0.0

Clean Vol	4583	Clean Rt	14	
Description		Stage	Total	
	Set Point gal/mgal	Rate gpm	Volume gal	Volume gal
210E	1.00	0.59	4.58	26.5
C	0.00	0.00	0.00	0.0
X-LINKER	1.00	0.59	4.58	26.5
CLAYMAX	1.00	0.59	4.58	26.5
AP BREAKER	3.00	1.76	13.75	53.3
FOAMER	5.00	2.94	22.92	132.5
0	0.00	0.00	0.00	0.0
0	0.00	0.00	0.00	0.0
0	0.00	0.00	0.00	0.0
	210E C X-LINKER CLAYMAX AP BREAKER FDAMER C	Set Point   gal/mgal   210E   1.00   0.00     X-LINKER   1.00   CLAYMAX   1.00   AP BREAKER   3.00   FDAMER   5.00   0.00   0   0.00   0   0.00	Set Point   Rate   gal/mgal   gpm	Description         Stage           Set Point gal/mgal         Rate gpm         Volume gal           2/0E         1.00         0.59         4.58           0         0.00         0.00         0.00           X-LINKER         1.00         0.59         4.58           CLAYMAX         1.00         0.59         4.58           AP BREAKER         3.00         1.76         13.75           FOAMER         5.00         2.94         22.92           0         0.00         0.00         0.00           0         0.00         0.00         0.00

Stage 3	Clean Vol	4392	Clean Rt	14	
1#	Description		-	Stage	Total
		Set Point	Rate	Volume	Volume
		gal/mgal	gpm	gal	gal
Chem I	210E	1.00	0.59	4.39	17.4
Chem 2		0.00	0.00	0.00	0.0
Chem 3	X-LINKER	1.00	0.59	4.39	17.4
Chem 4	Claymax	1.00	0.59	4.39	17.4
Chem 5	AP BREAKER	2.00	1.18	8.78	28.4
Chem 6	FOAMER	5.00	2.94	21.96	87.2
Chem 7	0	0.00	0.00	0.00	0.0
Chem 8	0	0.00	0.00	0.00	0.0
Dry Add 1	D	0.00	0.00	0.00	0.0

Stage 6	Clean Vol	4289	Clean Rt	14	
2.5#	Description	<b>3</b> 6 8	Stage	Total	
		Set Point gal/mgal	Rate gpm	Volume gal	Valume gal
Chem 1	210E	1.00	0.59	4.29	30.8
Chem 2	0	0.00	0.00	D.DO	0.0
Chem 3	X-LINKER	1.00	0.59	4.29	30.8
Chem 4	CLAYMAX	1.00	0.59	4.29	30.8
Chem 5	AP BREAKER	4.00	2.35	17.16	70.5
Chem 6	FDAMER	5.00	2.94	21.45	154.0
Chem 7	0	0.00	0.00	0.00	0.0
Chem 8	0	0.00	0.00	0.00	0.0
Dry Add 1		0.00	0.00	0.00	0.0

# Gore Nitrogen Pumping Service, LLC Eustomer New Gulf Energy, LLC Date 8/2/2011 Page 2

Basham #21 Lease

FT# 200481

Stage 7	Clean Vol Description	1989	_Clean Rt _	Stage	Total
3#	Description	Set Point gal/mgal	Rate gpm	Stage Volume gal	Volume gal
Chem I	210E	1.00	0.59	1.99	32.8
Chem 2	j o	0.00	0.00	0.00	0.0
Chem 3	X-LINKER	1.00	0.59	1.99	32.8
Chem 4	CLAYMAX	1.00	0.59	1.99	32.8
Chem 5	AP BREAKER	6.00	3.53	11.93	82.4
Chem 6	FOAMER	5.00	2.94	9.95	163.9
Chem 7		0.00	0.00	0.00	0.0
Chem 8	0	0.00	0.00	0.00	0.0
Dry Add 1	B	0.00	D.00	0.00	0.0

Clean Vol	0	Clean Rt	O	
Description			Stage	Total
	Set Point	Rate	Valume	Volume
	gal/mgal	gpm	gal	gal
210E	1.00	0.00	0.00	34.0
0	0.00	0.00	0.00	0.0
X-LINKER	0.00	0.00	0.00	32.8
CLAYMAX	1.00	0.00	0.00	34.0
AP BREAKER	6.00	0.00	0.00	89.6
FOAMER	5.00	0.00	0.00	169,9
0	0.00	0.00	0.00	0.0
0	0.00	0.00	0.00	0.0
	0.00	0.00	0.00	0.0
	210E 0 X-LINKER CLAYMAX AP BREAKER FOAMER 0	Set Point     Set Point	Set Point   Rate   gal/mgal   gpm	Stage   Set Point   Rate   Volume   Set Point   Set Poin

Stage 8	Clean Vol	1197	_Clean Rt	14	
Flush	Description	Set Point gal/mgal	Rate gpm	Stage Volume gal	Total Volume gal
Chem 1	210E	1.00	0.59	1.20	34.0
Chem 2	0	0.00	0.00	0.00	0.0
Chem 3	X-LINKER	0.00	0.00	0.00	32.8
Chem 4	CLAYMAX	1.00	0.59	1.20	34.0
Chem 5	AP BREAKER	6.00	3.53	7.18	89.6
Chem 6	FDAMER	5.00	2.94	5.99	169.9
Chem 7	D	0.00	0.00	0.00	0.0
Chem 8		0.00	0.00	0.00	0.0
Dry Add 1	0	0.00	0.00	0.00	0.0

Stage 11	Clean Vol	0	_Clean Rt	0	_
	Description	Set Point gal/mgal	Rate gpm	Stage Volume gal	Total Volume gal
Chem 1	210E	1.00	1 0.00	0.00	34.0
Chem 2	0	0.00	0.00	0.00	0.0
Chem 3	X-LINKER	0.00	0.00	0.00	32.8
Chem 4	CLAYMAX	1.00	0.00	0.00	34.0
Chem 5	AP BREAKER	6.00	0.00	0.00	89.6
Chem 6	FDAMER	1.00	0.00	0.00	169.9
Chem 7		0.00	0.00	0.00	0.0
Chem 8	0	0.00	0.00	0.00	0.0
Dry Add 1	0	0.00	0,00	0.00	0.0

Stage 9	Clean Vol	0	Clean Rt	0	
	Description			Stage	Total
		Set Point	Rate	Volume	Volume
		gal/mgal	gpm	gal	gal
Chem 1	210E	1.00	0.00	0.00	34.0
Chem 2	O.	0.00	0.00	0.00	0.0
Chem 3	X-LINKER	0.00	0.00	0.00	32.8
Chem 4	CLAYMAX	1.00	0.00	0.00	34.0
Chem 5	AP BREAKER	6.00	0.00	0.00	89.6
Chem 6	FDAMER	5.00	0.00	0.00	169.9
Chem 7	0	0.00	0.00	0.00	0.0
Chem 8	6	0.00	0.00	0.00	0.0
Dry Add 1	O O	0.00	0.00	0.00	0.0

Stage 12	Clean Vol Description	O Set Point gal/mgal	Clean Rt Rate gpm	O Stage Volume gal	- Total Volume gal
Chem 2	0	0.00	0.00	0.00	0,0
Chem 3	X-LINKER	0.00	0.00	0.00	32.8
Chem 4	CLAYMAX	1.00	0.00	0.00	34.0
Chem 5	AP BREAKER	6.00	0.00	0.00	89.6
Chem 6	FOAMER	1.00	0.00	0.00	169.9
Chem 7	В	0.00	0.00	0,00	0.0
Chem 8	9	0.00	0.00	0.00	0.0
Dry Add 1	0	0.00	0.00	0.00	0.0