



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1076271
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: _____

1076271

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

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	Zerr 2
Doc ID	1076271

Tops

Name	Top	Datum
Anhydrite		
Base Anhydrite		
Stotler		
Topeka		
Heebner		
Toronto		
Lansing		
Muncie Creek		
Stark		
BKC		
Marmaton		
Altamont		

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

March 22, 2012

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

Re: ACO1

Sec.-S-
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

TICKET NUMBER 33758

LOCATION Oakley Ks

FOREMAN Miles Shaw

Walt Drubel

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
12-11-11	Slab	Zorr #2	17	123	324	Logan
CUSTOMER			Oakley			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
New Golf			399	Damon Miller		
CITY			566	Darick Glassman		
STATE						
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 259' CASING SIZE & WEIGHT 8 5/8 - 23#
 CASING DEPTH 259 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.8 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 15-20'
 DISPLACEMENT 15 1/4 DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 BPM

REMARKS: Safety meeting, rig up on Val #4, circ casing on bottom
mix 180 sks com, 3%acc-2%gel, release Plug + Displace 15 1/4 BBL H2O @ 150 #
shut in

Concut DD Circ

Approx 4 BBL to PT

Thank You
Walt Drubel

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1,025.00	1,025.00
5406	10	MILEAGE	5.00	50.00
11045	180	Class A Cement	16.80	3,024.00
1102	507#	Calcium Chloride	1.84	425.88
1118B	338#	Bentonite Gel	1.24	81.12
4432	1	8 5/8 wooden Plug	96.00	96.00
5407	8.46	Ton Mileage Delivery	158	410.00
				5,112.00
		less 10% Disc		- 511.20
				4,600.80
		246 442	SALES TAX	254.42
			ESTIMATED TOTAL	4855.42

Bavh 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

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

TICKET NUMBER 33784
LOCATION Oakley
FOREMAN Fuzz

FIELD TICKET & TREATMENT REPORT
CEMENT

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-21-11	5661	Zerr #2	17	12	32	LOGAN
CUSTOMER		MAILING ADDRESS		CITY	STATE	ZIP CODE
New Gold Operations, LLC		Oakley		505	30	35
				427		

TRUCK #	DRIVER	TRUCK #	DRIVER
463	Michael S		
439	Cody R		
528	Wes F		

JOB TYPE 2-stage HOLE SIZE 77/8 HOLE DEPTH 4758' CASING SIZE & WEIGHT 5 1/2 - 15.5
 CASING DEPTH 4758' DRILL PIPE _____ TUBING _____ *50 OTHER DV Tool - 2621
 SLURRY WEIGHT 13.8-12.5 SLURRY VOL 1.42-1.9 WATER gal/sk 6.7-10.8 CEMENT LEFT in CASING 20.03
 DISPLACEMENT 112.7 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: 50 w - 63 mud
SACBY monitoring on VAL #4. Float equip - Cont 1, 3, 6, 10, 14, 18
22, 24, 49, 51 Basket Top of 99 DV Top of 50 Risers Circ 1 hr. Pump 5 BBL
water, 500 gal mud flush, 5 BBL water. Mix 17 SPS OWC 5# G. 1/sk. Wash pump
and lines. Drop plug and displace 50 BBL water, 63" BBL mud 800# list 1300# land
float hold. Drop DV Bomb with 15 min open tool @ 1100# Circ 4 hrs. mix 20 SPS MH
30 SPS RH. Pump 5 BBL water mix 40 SPS 60/40 gravel 1/4" closed.
Wash pump and lines. Drop plug and displace 62" BBL water. 700#
List closed tool @ 1600#. Cement did circulate approx 25 BBL go pit
 Thanks Fuzz & crew

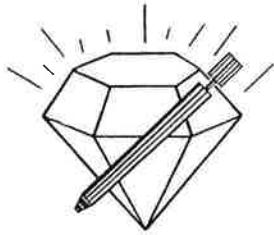
ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	2850.00	2850.00
5406	7	MILEAGE	5.00	35.00
5407	27.57	Tow mileage Delivery (min)	410.00	410.00
1126	175 SPS	OWC	21.48	3759.00
1110A	875 #	Kal-sal	.53	463.75
1118B	3256 #	Bentonite	.24	781.44
1144G	500 sal	mud flush	1.00	500.00
1131	450 SPS	60/40 pos	14.33	6457.50
1107	113 #	Closeal	2.65	300.38
4159	1	5 1/2 - ATU float shoe	413.00	413.00
4130	10	5 1/2 - centralizers	58.00	580.00
4104	1	5 1/2 - Basket	276.00	276.00
4283	1	5 1/2 - DV Tool w/ Lockdown	3850.00	3850.00
		Subtotal		20676.27
		less 10% disc		2067.63
		Subtotal		18608.64
		SALES TAX		1220.17
		ESTIMATED TOTAL		19828.81

Ravin 3737

AUTHORIZATION

DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313

Company New Gulf Operating, LLC Lease & Well No. Zerr No. 2
Elevation 2970 EST Formation Lansing/Kansas City "A" - "B" Effective Pay -- Ft. Ticket No. 2832
Date 12-17-11 Sec. 17 Twp. 12S Range 32W County Logan State Kansas

Test Approved By Stephen Murphy Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 4,050 ft. to 4,100 ft. Total Depth 4,100 ft.
Packer Depth 4,045 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 4,050 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,031 ft. Recorder Number 8471 Cap. 10,000 psi
Bottom Recorder Depth (Outside) 4,097 ft. Recorder Number 11029 Cap. 5,025 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 51 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.1 Water Loss 5.6 cc. Drill Pipe Length 4,017 ft. I.D. 3 1/2 in.
Chlorides 2,500 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2 - IF in.
Jars: Make Sterling Serial Number 4 Anchor Length 20' perf. w/ 30' drill pipe 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, 1/2 in., blow increasing. Off bottom of bucket in 19 mins. No blow back during shut-in.
2nd Open: Weak, surface blow increasing. Off bottom of bucket in 23 mins. No blow back during shut-in.

Recovered 30 ft. of gas in pipe
Recovered 15 ft. of oil cut watery mud = .213450 bbls. (Grind out: 15%-oil; 20%-water; 65%-mud)
Recovered 159 ft. of oil cut watery mud = 2.262570 bbls. (Grind out: 4%-oil; 47%-water; 49%-mud)
Recovered 124 ft. of oil cut muddy water = 1.764520 bbls. (Grind out: 2%-oil; 84%-water; 14%-mud)
Recovered 298 ft. of TOTAL FLUID = 4.240540 bbls. Chlorides: 46,500 Ppm PH: 6.0 RW: .12 @ 62°
Remarks Tool Sample Grind Out: 2%-oil; 97%-water; 1%-mud
Diesel in bucket.

Time Set Packer(s) 2:40 ~~A.M.~~ Time Started Off Bottom 5:10 ~~A.M.~~ Maximum Temperature 117°
Initial Hydrostatic Pressure (A) 1960 P.S.I.
Initial Flow Period Minutes 30 (B) 24 P.S.I. to (C) 96 P.S.I.
Initial Closed In Period Minutes 45 (D) 1190 P.S.I.
Final Flow Period Minutes 30 (E) 98 P.S.I. to (F) 161 P.S.I.
Final Closed In Period Minutes 45 (G) 1171 P.S.I.
Final Hydrostatic Pressure (H) 1956 P.S.I.

DIAMOND TESTING

General Information Report

General Information

Company Name NEW GULF OPERATING, LLC
Contact DANNY BIRDWELL
Well Name ZERR #2
Unique Well ID DST #1 LKC 'A-B' 4,050' - 4,100'
Surface Location SEC. 17-12S-32W LOGAN CO. KS
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL DRILL-STEM TEST
Formation DST #1 LKC 'A-B' 4,050' - 4,100'
Well Fluid Type 01 Oil

Representative ROGER D. FRIEDLY
Well Operator NEW GULF OPERATING, LLC
Report Date 2011/12/17
Prepared By ROGER D. FRIEDLY

Qualified By STEVE MURPHY

Start Test Date 2011/12/17
Final Test Date

Start Test Time 00:25:00
Final Test Time 07:41:00

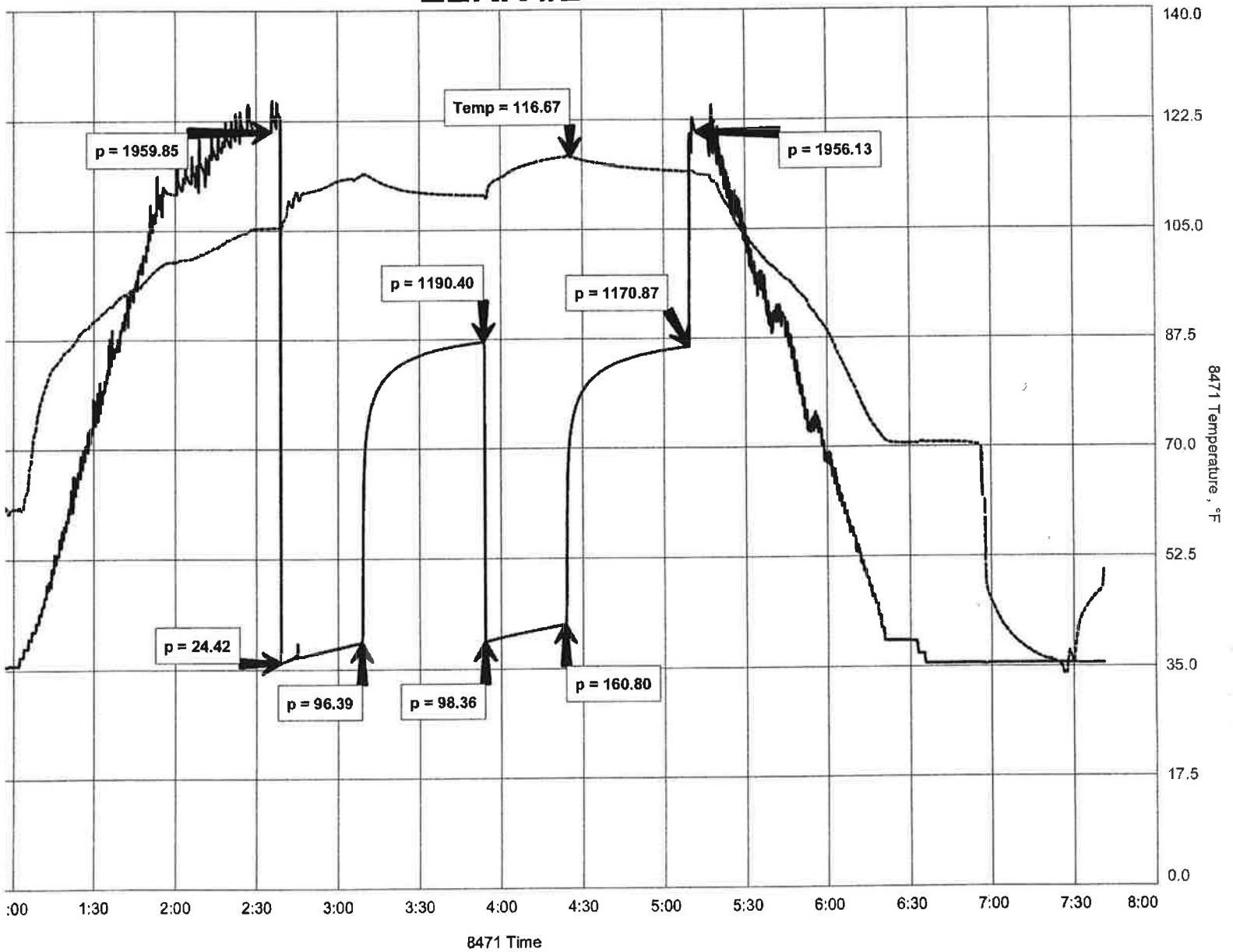
Test Recovery:

RECOVERED: 30' GAS IN PIPE
15' OCWM 15% OIL, 20% WTR, 65% MUD
159' OCWM 4% OIL, 47% WTR, 49% MUD
124' OCMW 2% OIL, 84% WTR, 14% MUD
298' TOTAL FLUID

TOOL SAMPLE: 2% OIL, 97% WTR, 1% MUD

CHLORIDES: 46,500 Ppm
PH: 6.0
RW: .12 @ 62 deg

ZERR #2



SIT #1 outside 11029

LXL 'A-B'

4050-4100

LOL 4097





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313

Company New Gulf Operating, LLC Lease & Well No. Zerr No. 2

Elevation 2970 EST Formation Lansing/Kansas City "I" - "K" Effective Pay -- Ft. Ticket No. 2833

Date 12-18-11 Sec. 17 Twp. 12S Range 32W County Logan State Kansas

Test Approved By Stephen Murphy Diamond Representative Roger D. Friedly

Formation Test No. 2 Interval Tested from 4,262 ft. to 4,320 ft. Total Depth 4,320 ft.

Packer Depth 4,257 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,262 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,243 ft. Recorder Number 8471 Cap. 10,000 psi

Bottom Recorder Depth (Outside) 4,317 ft. Recorder Number 11029 Cap. 5,025 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 50 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.3 Water Loss 7.2 cc. Drill Pipe Length 4,229 ft. I.D. 3 1/2 in.

Chlorides 3,000 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 4 Anchor Length 26' perf. w/ 32' drill pipe 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, 1/2 in., blow increasing. Off bottom of bucket in 10 mins. Fair, 2 1/2 in., blow back during shut-in.
2nd Open: Weak, 1/2 in., blow increasing. Off bottom of bucket in 12 1/2 mins. No blow back during shut-in.

Recovered 435 ft. of gas in pipe

Recovered 63 ft. of clean oil = .896490 bbls. (Gravity: 39.8 @ 60°)

Recovered 62 ft. of gas & oil cut watery mud = .882260 bbls. (Grind out: 8%-gas; 10%-oil; 34%-water; 48%-mud)

Recovered 62 ft. of gas & oil cut muddy water = .882260 bbls. (Grind out: 4%-gas; 6%-oil; 65%-water; 25%-mud)

Recovered 62 ft. of oil cut muddy water = .882260 bbls. (Grind out: 1%-oil; 95%-water; 4%-mud)

Recovered 249 ft. of TOTAL FLUID = 3.543270 bbls. Chlorides: 54,500 Ppm PH: 6.0 RW: .15 @ 58°

Remarks Tool Sample Grind Out: 4%-oil; 96%-water

Diesel in bucket.

Time Set Packer(s) 9:29 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 12:14 ~~P.M.~~ ^{XXM.} Maximum Temperature 119°

Initial Hydrostatic Pressure (A) 2089 P.S.I.

Initial Flow Period Minutes 30 (B) 29 P.S.I. to (C) 83 P.S.I.

Initial Closed In Period Minutes 45 (D) 1256 P.S.I.

Final Flow Period Minutes 30 (E) 89 P.S.I. to (F) 130 P.S.I.

Final Closed In Period Minutes 60 (G) 1251 P.S.I.

Final Hydrostatic Pressure (H) 2067 P.S.I.

DIAMOND TESTING

General Information Report

General Information

Company Name NEW GULF OPERATING, LLC
Contact DANNY BIRDWELL
Well Name ZERR #2
Unique Well ID DST #2 LKC 'I,J,K," 4,262' - 4,320'
Surface Location SEC. 17-12S-32W LOGAN CO. KS
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL DRILL-STEM TEST
Formation DST #2 LKC 'I,J,K," 4,262' - 4,320'
Well Fluid Type 01 Oil

Representative ROGER D. FRIEDLY
Well Operator NEW GULF OPERATING llc
Report Date 2011/12/18
Prepared By ROGER D. FRIEDLY
Qualified By STEVE MURPHY

Start Test Date 2011/12/18
Final Test Date 2011/12/18

Start Test Time 07:40:00
Final Test Time 14:28:00

Test Recovery:

RECOVERED: 435' GAS IN PIPE
63' CLEAN OIL 39.8 GRAVITY @ 60 deg
62' G&OCWM 8% GAS, 10% OIL, 34% WTR, 48% MUD
62' G&OCMW 4% GAS, 6% OIL, 65% WTR, 25% MUD
62' OCMW 1% OIL, 95% WTR, 4% MUD
249' TOTAL FLUID

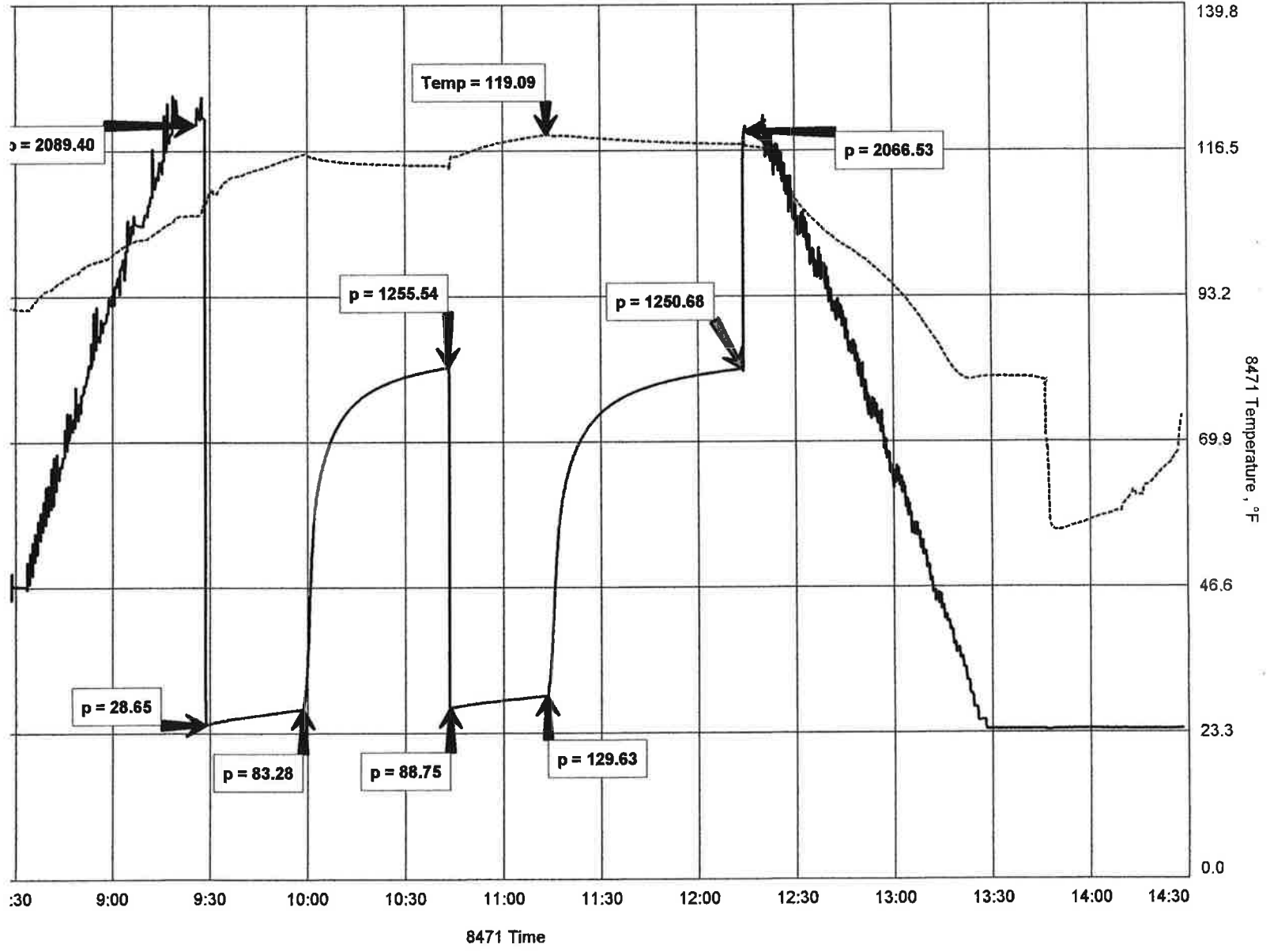
TOOL SAMPLE: 4% OIL, 96% WTR

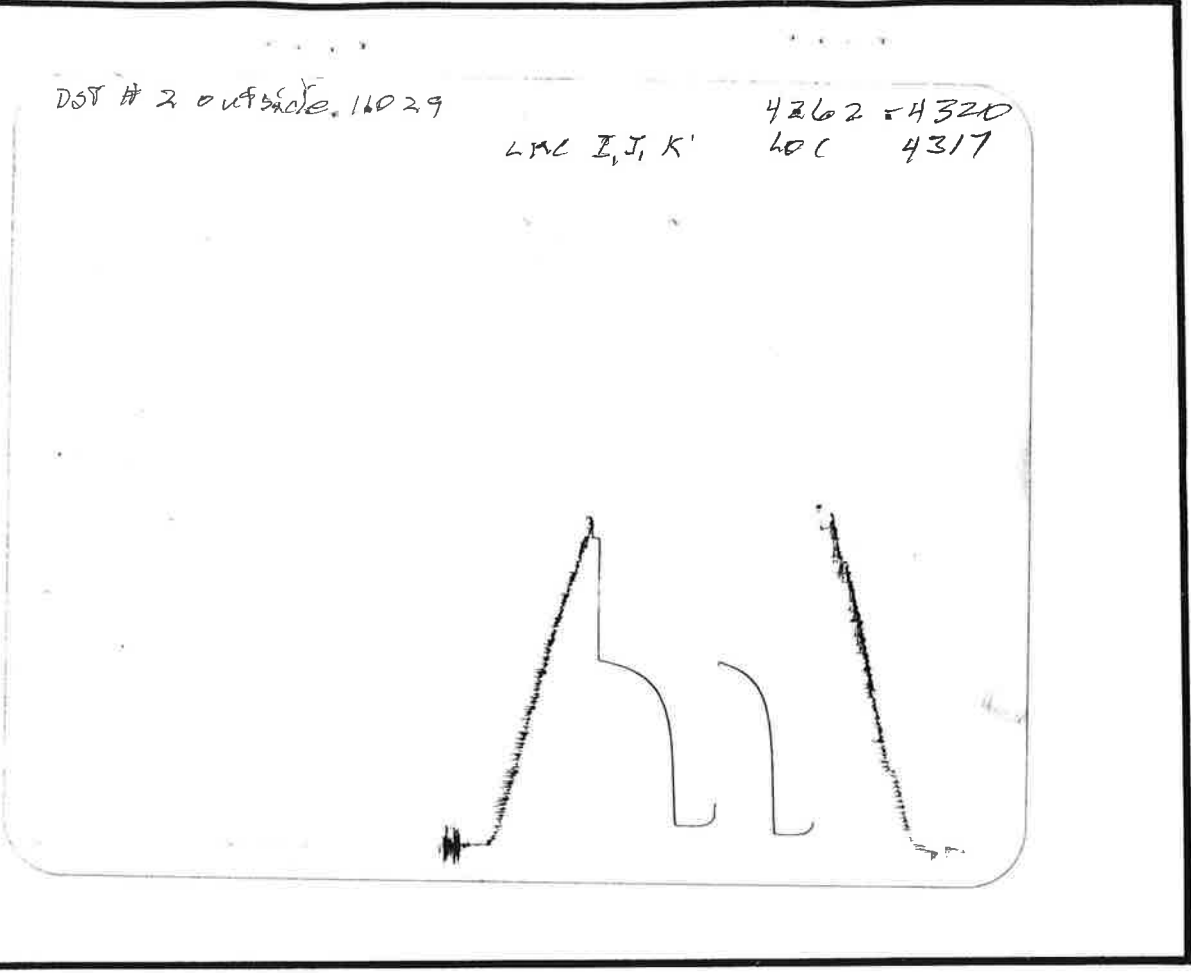
CHLORIDES: 54,500 Ppm
PH: 6.0
RW: .15 @ 58 deg.

LC
4,320'

ZERR #2
Formation: DST #2 LKC 'I,J,K,' 4,262' - 4,320'

ZERR #2





This is an actual photograph of recorder chart.

POINT	PRESSURE Elec.		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2089	2089	PSI
(B) First Initial Flow Pressure.....	29	29	PSI
(C) First Final Flow Pressure	83	83	PSI
(D) Initial Closed-in Pressure	1256	1256	PSI
(E) Second Initial Flow Pressure.....	89	89	PSI
(F) Second Final Flow Pressure.....	130	130	PSI
(G) Final Closed-in Pressure.....	1251	1251	PSI
(H) Final Hydrostatic Mud.....	2067	2067	PSI

DIAMOND TESTING

General Information Report

General Information

Company Name NEW GULF OPERATING LLC
Contact DANNY BIRDWELL
Well Name ZERR #2
Unique Well ID DST #3 JOHNSON 4,590' - 4,640'
Surface Location SEC 16-12S-32W LOGAN COUNTY, KS
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL DRILL-STEM TEST
Formation DST #3 JOHNSON 4,590' - 4,640'
Well Fluid Type 01 Oil

Representative ROGER D. FRIEDLY
Well Operator NEW GULF OPERATING LLC
Report Date 2011/12/20
Prepared By ROGER D. FRIEDLY
Qualified By STEVE MURPHY

Start Test Date 2011/12/20
Final Test Date 2011/12/20

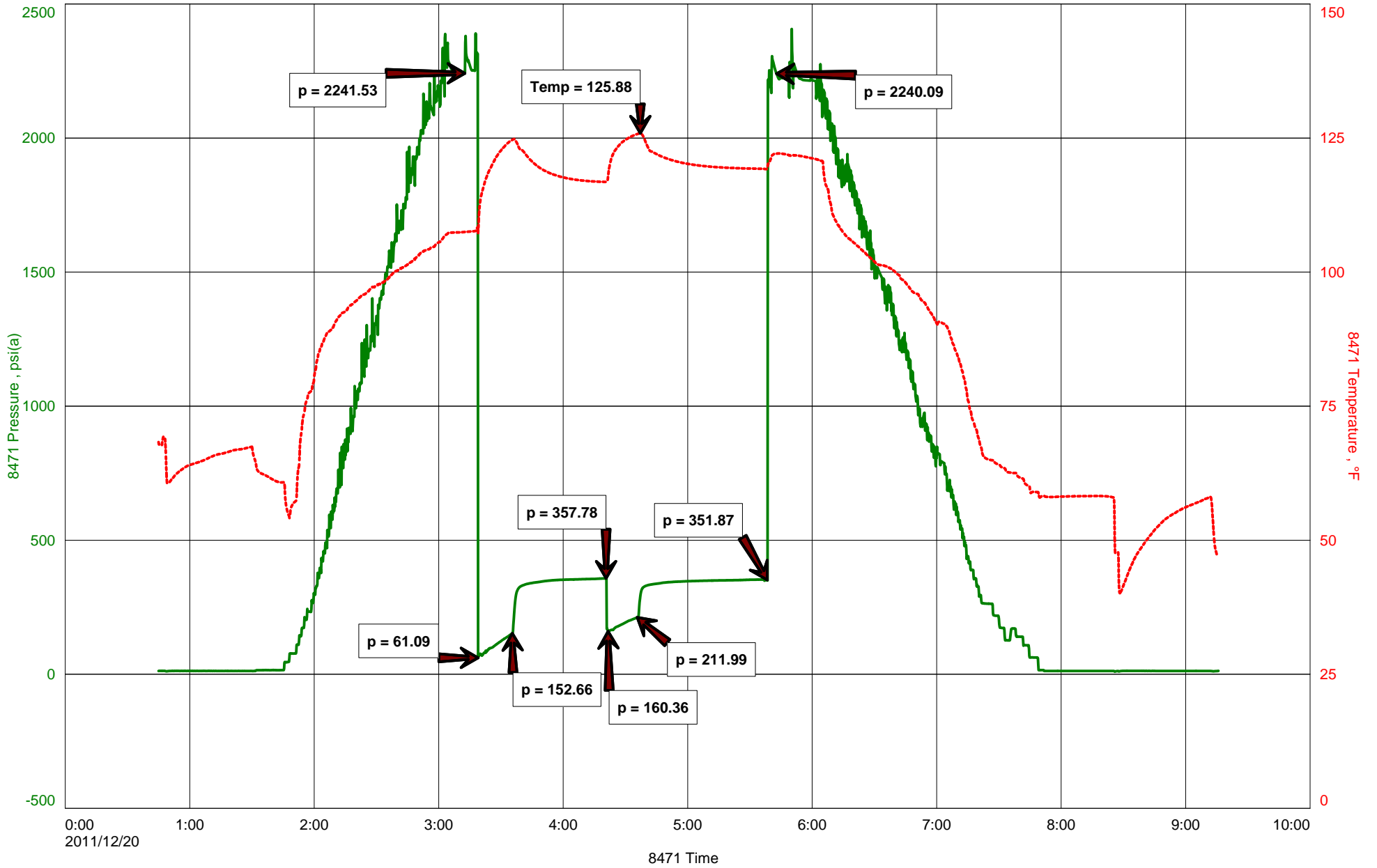
Start Test Time 00:45:00
Final Test Time 09:16:00

Test Recovery:

RECOVERED: 1,170' GAS IN PIPE
464' CLEAN OIL 31 GRAVITY @ 60 deg.
72' G&OCM 4% GAS, 8% OIL, 88% MUD
536' TOTAL FLUID

TOOL SAMPLE: GAS BLEW OUT

ZERR #2





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

TIME ON: _____
TIME OFF: _____

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

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 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 STERLING 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 _____	Price Job Other Charges Insurance Total
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	

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.

DRILLING REPORT

NEW GULF ENERGY

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

2 ZERR

470'FSL 356'FEL
Section 17-T12S-R32W
Logan County, Kansas

Elevation: **GL 3052 KB 3062**

API # 15-109-21055

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: Jim Henkle 620-617-2868

	E-LOG TOPS	DATUM	#1 ZERR Reference Well
ANHYDRITE	2578	+484	+6
BASE ANHYDRITE	2602	+460	+6
STOTLER	3676	-614	+2
TOPEKA	3801	-739	+3
HEEBNER	4022	-960	+4
TORONTO	4051	-989	+3
LANSING	4064	-1002	+2
MUNCIE CREEK	4207	-1145	+5
STARK	4296	-1234	+2
BKC	4361	-1292	+8
MARMATON	4388	-1326	+5
ALTAMONT B	4435	-1373	+5
PAWNEE	4489	-1427	+4
FT SCOTT	4542	-1480	+6
CHEROKEE	4569	-1507	+5
JOHNSON	4602	-1540	+6
MORROW SHALE	4637	-1575	+3
MORROW SAND	4665	-1603	
MISS	4678	-1616	-32
RTD	4758	-1696	
LTD	4757	-1695	

12/10/11 Move In
 12/11/11 Spud @ 1:45 PM Set Surface: 6 Jts New 24# 85/8" Tally 243.14
 Set @ 255' cement w/ 180 Sxs Common 3% CC 2% gel Plug down 9:45 PM
 Cement Did Circulate
 12/12/11 259' SHS ¼ degree @ 259'
 12/13/11 1850' SHS 2 degree @1260'
 12/14/11 2885' Drilling ahead
 12/15/11 3505' Drilling Ahead
 12/16/2011 4050' Bit Trip To Surface
 12/17/2011 4100' Dst #1
 12/18/2011 4320' Dst # 2
 12/19/2011 4500' Drilling Ahead ~ 100 off the Johnson Estimated Johnson depth @ 4608
 12/20/2011 4640' Dst # 3 Johnson
 12/21/2011 4758' RTD-Logging

**Comments: Good strong blows on opens and blowback on shut-in pulling test
 Should be oil.**

DST #1 Lansing A & B Zones		DIAMOND TESTING
4050-4100		
30-45-30-45		
1st Open: BOB in 19"	1st Shut-In: No Blow	
2 nd Open: BOB 23"	2 nd Shut-In: No Blow	
RECOVERY:		
30' Gas In Pipe,		
15' OCWM (15%Oil,20%Wtr,65% Mud)		
159' OCWM (4% Oil,47% Wtr,49%Mud)		
124' OCMW (2%Oil,84%Wtr,14%Mud)		
TOTAL FLUID : 298'		
IFP/FFP: 24-96/98-161#		Recovery Chlorides: 46,500 ppm
ISP/FSP: 1190/1171#		PH 6 RW .12@ 62 deg F
IHP/FHP: 1960/1956#		System Chlorides 2,500 ppm
BHT: 117 deg.F		

DST #2 Lansing I , J, K Zones		DIAMOND TESTING
4262-4320		
30-45-30-60		
1st Open: Building Blow OBB in 10min	1st Shut-In: 21/2" Blow back	
2nd Open: Building Blow OBB in 121/2 min	2nd Shut-In: BB	
RECOVERY:		
435' Gas In Pipe		
63' Clean Oil (39 grav)		
62' G&OCWM (8% Gas, 10% Oil,34% Wtr,48% Mud)		
62'G&OCMW (4% Gas,6% Oil, 65% Wtr,25% Mud)		
62' OCWM (1% Oil, 95% Wtr, 4% Mud)		
TOTAL FLUID 249 '		
IFP/FFP: 29-83/89-130		Recovery Chlorides: 54,500 PPM
ISP/FSP: 1256/1251#		PH 6 RW.15@58deg
IHP/FHP: 2089/1067#		System Chlorides 3000 ppm
BHT: 119 deg F		

DST # 3 JOHNSON

4590-4640

15-45-15-60

1st Open: Building Blow OBB in 1 ¼ min

2nd Open: Building Blow OBB in 1 ¾ min

DIAMOND TESTING

1st Shut-In: Blow Back OBB

2nd Shut-In: Blow Back OBB

RECOVERY:**1170' Gas In Pipe****464' Clean Oil (31 grav)****72' G&OCM (4% Gas, 8% Oil, 88% Mud)****TOTAL FLUID 536'**

IFP/FFP: 61-153/160-212

ISP/FSP: 358/353#

IHP/FHP: 2241/2240#

BHT: 126 deg F

System Chlorides 3500 ppm

Johnson Zone Pressure Comments:

#1 Sheetz Spud 2/4/2011 ISP/FSP: 1139/1135#

#1 Zerr Spud 9/19/2011 ISP/FSP: 1051/1025#

#2 Zerr 12/20/2011 ISP/FSP: 358/353#

SHOWS

Lansing A (4066-68) Ls finexln , oolitic/ vuggy porosity ssfo ,lt. stain , faint odor (DST 1)

Lansing B (4098-4102) Ls wh-cream fossil, oolitic, rare interxln porosity SSFO on break, spotty stain ,slight odor(DST1)

Lansing E/F (4138-4148) Ls crm-tan, rare interxln porosity, vssfo on break, no odor,spotty stain

Ls wh, fine xln, fossil, oolitic, chalky ,rare gd vuggy porosity, ssfo, fair stain, slight odor

Lansing H(4223-4226) Ls crm-gry ,finexln,oolitic, gd interxln & vug porosity, ssfo, fair sat stain ,strong odor

Lansing I (4254-4256) Ls crm-tan fnxln, sl foss, chalky, poor inetrxln por, vssfo, spotty stain, ft odor (DST 2)

Lansing J (4269-72) Ls crm-gry,fnxln,oolitic,fr-good vuggy porosity,fr-gd sfo,even brn stain, gassy on break, strong odor(DST 2)

Lansing K 4302 Ls wh-crm, fnxln oolitic, mostly dense, rare fr vuggy porosity, ssfo, gassy on break, spotty stn, strong odor (Dst 2)

Johnson (4614-17,4624-37) Ls wh/tan fine-interxln sl.foss -pinpt porosity, FSFO,, Sat Staining, Fr Odor
57 unit gas kick

Morrow/Cherokee Sand (4665-70) Sd clear f-medgrn,subang, prly srted,friable, FSFO, ODOR, gil staining