



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1220061  
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: \_\_\_\_\_

1220061

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
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<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"/> Commingled <i>(Submit ACO-4)</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	KGB 1-21
Doc ID	1220061

Tops

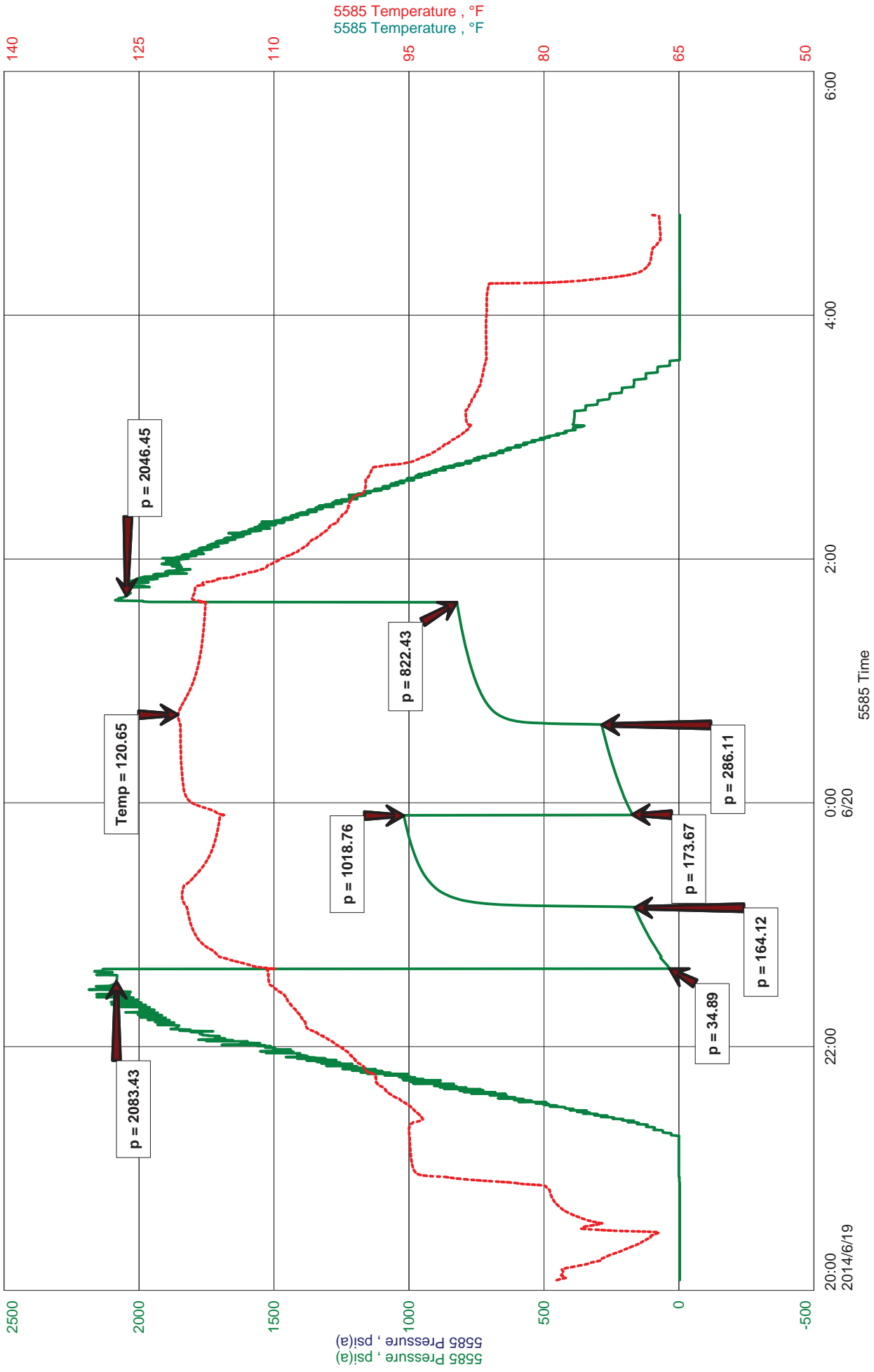
Name	Top	Datum
HEEBNER SHALE	4008	-886
LANSING	4048	-926
MUNCIE CREEK	4246	-1124
STARK	4349	-1227
HUSHPUCKNEY	4395	-1273
BASE OF KC	4438	-1316
MARMATON	4508	-1386
PAWNEE	4586	-1464
LITTLE OSAGE	4608	-1486
EXCELLO	4624	-1502
CHEROKEE	4653	-1531
JOHNSON	4701	-1579
MORROW	4788	-1666
MISSISSIPPIAN	4848	-1726



NEW GULF OPERATING LLC  
DST1 ALTAMONT "A" 4358-4386  
Start Test Date: 2014/06/19  
Final Test Date: 2014/06/20

KGB 1-21  
Formation: DST1 ALTAMONT "A" 4358-4386  
Pool: WILDCAT  
Job Number: A060

# KGB 1-21



# DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA  
CELL # 620-617-7202

## General Information

Company Name	NEW GULF OPERATING LLC	Contact	JIM HENKLE	Job Number	A060
Well Name	KGB 1-21	Representative	ANDY CARREIRA	Well Operator	NEW GULF OPERATING LLC
Unique Well ID	DST1 ALTAMONT "A" 4358-4386	Report Date	2014/06/19	Prepared By	ANDY CARREIRA
Surface Location	SEC 21-14S-34W LOGAN CNTY,KS	Field	WILDCAT	Well Type	Vertical

## Test Information

Test Type	CONVENTIONAL
Formation	DST1 ALTAMONT "A" 4358-4386
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/06/19	Start Test Time	20:05:00
Final Test Date	2014/06/20	Final Test Time	04:51:00

Gauge Name	5585
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## Test Results

RECOVERY:	670' GIP	
	650' CGO 10%G, 90%O	
	120' MCGO 20%G, 50%O, 30%M	
	770' TOTAL FLUID	GRAVITY: 35 @ 60 deg

TOOL SAMPLE: 100% OIL



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: KGB 1-21 DST1

TIME ON: 20:05  
TIME OFF: 04:51

Company NEW GULF OPERATING LLC. Lease & Well No. KGB 1-21  
Contractor VAL 4 Charge to NEW GULF OPERATING LLC  
Elevation 3091 KB Formation ALTAMONT "A" Effective Pay \_\_\_\_\_ Ft. Ticket No. A060  
Date 6-19 14 Sec. 21 Twp. 14 S Range 34 W County LOGAN State KANSAS  
Test Approved By JOHN GOLDSMITH Diamond Representative ANDY CARREIRA

Formation Test No. 1 Interval Tested from 4358 ft. to 4386 ft. Total Depth 4386 ft.  
Packer Depth 4353 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4358 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

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

Top Recorder Depth (Inside) 4339 ft. Recorder Number 5585 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 4358 ft. Recorder Number 8471 Cap. 10000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 54 Drill Collar Length 30 ft. I.D. 2 1/4 in.  
Weight .2 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 5000 P.P.M. Drill Pipe Length 4295 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 09 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 28 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BOB IN 4 MIN. (7"bb)  
2nd Open: BOB IN 2 MIN.

Recovered 670 ft. of GIP  
Recovered 650 ft. of CGO 10%G, 90%O  
Recovered 120 ft. of MCGO 20%G, 50%O, 30%M  
Recovered 770 ft. of TOTAL FLUID GRAVITY: 35 @ 60 deg

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>100% OIL</u>	Total

Time Set Packer(s) 10:40 PM A.M. P.M. Time Started Off Bottom 1:40 AM A.M. P.M. Maximum Temperature 121

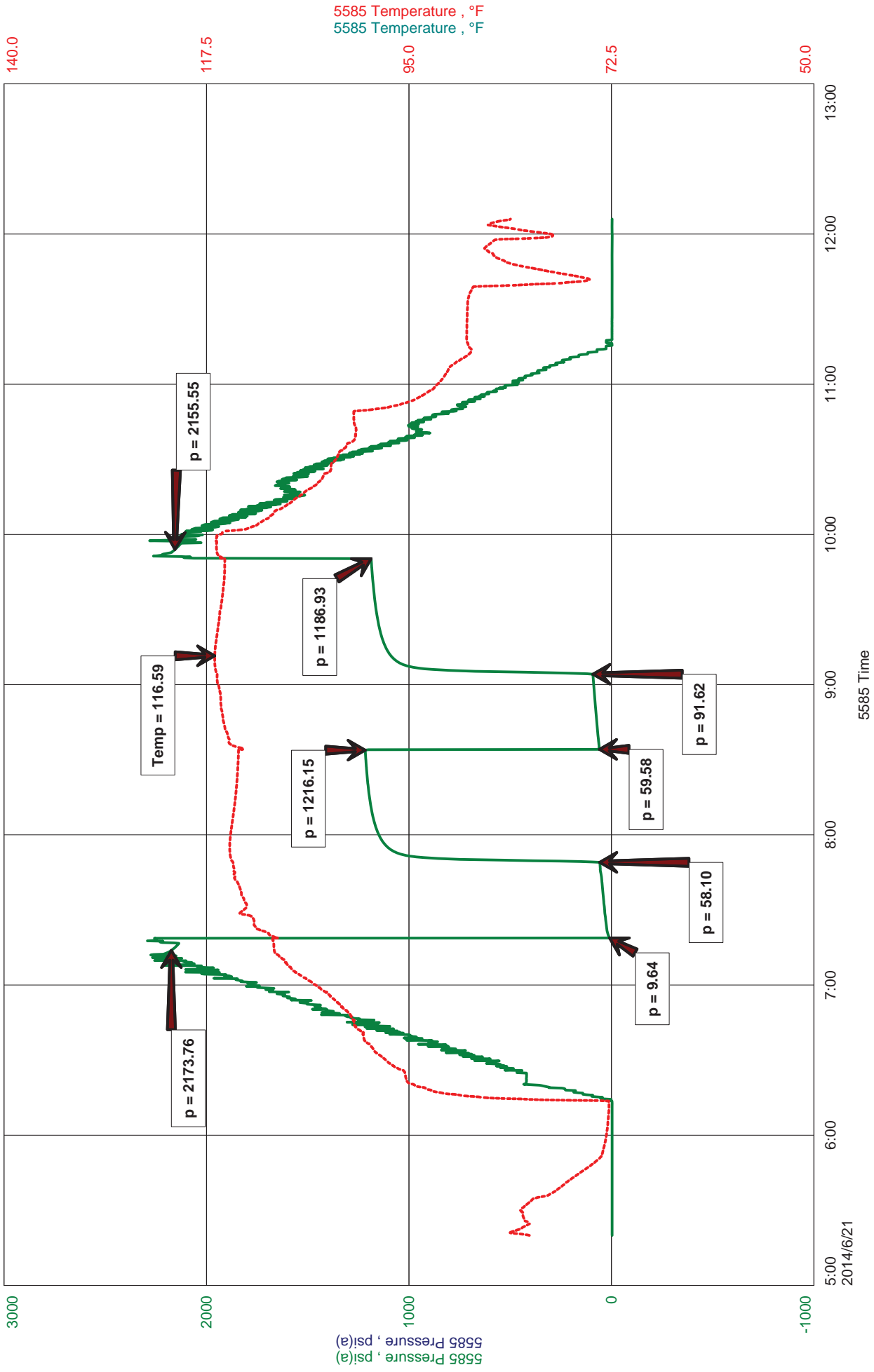
Initial Hydrostatic Pressure..... (A) 2083 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 35 P.S.I. to (C) 164 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 1019 P.S.I.  
Final Flow Period..... Minutes 45 (E) 174 P.S.I. to (F) 286 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 822 P.S.I.  
Final Hydrostatic Pressure..... (H) 2046 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

NEW GULF OPERATING LLC  
DST2"CHEROKEE"4480-4557  
Start Test Date: 2014/06/21  
Final Test Date: 2014/06/21

KGB 1-21  
Formation: DST2"CHEROKEE"4480-4557  
Pool: WILDCAT  
Job Number: A061

# KGB 1-21





# DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA  
CELL # 620-617-7202

## General Information

Company Name	NEW GULF OPERATING LLC	Job Number	A061
Contact	JIM HENKLE	Representative	ANDY CARREIRA
Well Name	KGB 1-21	Well Operator	NEW GULF OPERATING LLC
Unique Well ID	DST2"CHEROKEE"4480-4557	Report Date	2014/06/21
Surface Location	SEC 21-14S-34W LOGAN CNTY,KS	Prepared By	ANDY CARREIRA
Well License Number			
Field	WILDCAT		
Well Type	Vertical		

## Test Information

Test Type	CONVENTIONAL
Formation	DST2"CHEROKEE"4480-4557
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/06/21	Start Test Time	05:20:00
Final Test Date	2014/06/21	Final Test Time	12:06:00

Gauge Name	5585
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## Test Results

RECOVERY: 180' SOSM

TOOL SAMPLE: TRACE OIL, MUD



**DIAMOND TESTING**  
 P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: KGB 1-21 DST2

TIME ON: 05:20  
 TIME OFF: 12:06

Company NEW GULF OPERATING LLC. Lease & Well No. KGB 1-21  
 Contractor VAL 4 Charge to NEW GULF OPERATING LLC  
 Elevation 3091 KB Formation CHEROKEE Effective Pay \_\_\_\_\_ Ft. Ticket No. A061  
 Date 6-21 14 Sec. 21 Twp. \_\_\_\_\_ 14 S Range \_\_\_\_\_ 34 W County LOGAN State KANSAS  
 Test Approved By JOHN GOLDSMITH Diamond Representative ANDY CARREIRA

Formation Test No. 2 Interval Tested from 4480 ft. to 4557 ft. Total Depth 4557 ft.  
 Packer Depth 4475 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 4480 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
 Top Recorder Depth (Inside) 4461 ft. Recorder Number 5585 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 4482 ft. Recorder Number 8471 Cap. 10000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 52 Drill Collar Length 30 ft. I.D. 2 1/4 in.  
 Weight 9.2 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 5200 P.P.M. Drill Pipe Length 4417 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number 09 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 77 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: 6" BLOW IN 30 MIN. (NObb)  
 2nd Open: 4" BLOW IN 30 MIN. (NObb)

Recovered <u>180</u> ft. of <u>SOSM</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>TRACE OIL, MUD</u>	Total

Time Set Packer(s) 7:19 AM A.M. P.M. Time Started Off Bottom 9:49 AM A.M. P.M. Maximum Temperature 117  
 Initial Hydrostatic Pressure..... (A) 2174 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 58 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 1216 P.S.I.  
 Final Flow Period..... Minutes 30 (E) 60 P.S.I. to (F) 92 P.S.I.  
 Final Closed In Period..... Minutes 45 (G) 1187 P.S.I.  
 Final Hydrostatic Pressure..... (H) 2156 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.



**CONSOLIDATED**  
ON Well Services, LLC

269047

TICKET NUMBER 46998  
LOCATION Oakley, KS  
FOREMAN Dane Retzlaff

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

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

K5

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-23-14	5661	KGB 1-21	2	11	44	Logan
CUSTOMER			TRUCK #			
MAILING ADDRESS			DRIVER			
CITY			TRUCK #			
STATE			DRIVER			
ZIP CODE			TRUCK #			
			DRIVER			

JOB TYPE 2-stage HOLE SIZE 7 7/8 HOLE DEPTH 4800 CASING SIZE & WEIGHT 5.50 18.50 LBS  
 CASING DEPTH 4766 DRILL PIPE 4.5 TUBING N/A OTHER DV Tool at 2431  
 SLURRY WEIGHT 14.2/12.5 SLURRY VOL 1.56/1.76 WATER gal/sk 6.97/9.28 CEMENT LEFT in CASING 15.07  
 DISPLACEMENT 113.07/57.85 DISPLACEMENT PSI 200 psi MIX PSI 200 psi RATE mix rate 5 BBLs Displace rate 6 BBLs

REMARKS: Safety meeting. Rig up. Run float equipment. Cents on 1, 2, 3, 6, 9, 13, 15, 18, 53, 52  
 basket on 54 half way down from DV Tool. Run casing to bottom. Circulate on bottom 1 hr.  
 Pump 5 BBLs of water ahead mix mudflush. Pump 5 BBLs behind mudflush circulated  
 out of hole. Lay down two joints. Casing split on second joint. Replace casing. Circulate  
 on bottom 1 hr. Pump 8 BBLs ahead mix mudflush 5 BBLs behind mix 200 SKS of OWC  
 5# Kol Seal. (35.56 slurry BBLs). Wash pump + lines. Displace 60 BBLs of water and 54 BBLs  
 of mud. Final lift 1000 psi. Plug landed at 1500 psi. Wait 3 hrs. Plug MH + RH. mix  
 400 SKS of 60/40 890 Bentonite 1/4" Flo Seal. (125.28 slurry BBLs) wash up pump + lines. Displace  
 59 BBLs of water. Final lift 1000 psi. Plug landed at 1500 psi. Wash up and Rig down.  
 Thanks Dane + crew!

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3175.00	3175.00
5406	65	MILEAGE	5.25	341.25
5407A	28.75	Ton Mileage Delivery	1.25	3270.31
1126	200 SKS	Disc Cement	23.70	4740.00
1131	450 SKS	60/40 Poz mix	15.96	7137.00
1110A	1000	Kol Seal	.56	560.00
1107	112	Flo Seal	297	332.64
1118B	3096	Bentonite	.27	835.92
1144G	1000 gal	mudflush	1.00	1000.00
4159	1	5 1/2 AFU Float shoe	433.75	433.75
4130	10	5 1/2 Centralizers	61.00	610.00
4164	1	5 1/2 Basket	490.00	490.00
4454	1	5 1/2 Latchdown Plug Assembly	567.00	567.00
4277A	1	5 1/2 DV Tool	4900.00	4900.00
			346	28192.87
			10%	2819.29
			Total	25373.58
			SALES TAX	1473.84
			ESTIMATED TOTAL	26847.42

completed

Ravin 3737

AUTHORIZATION [Signature] TITLE Production Mgr. 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

268882

TICKET NUMBER 46928  
LOCATION Oakland, KS  
FOREMAN Miles Shaw

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

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

US

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-13-14	5661	KGR #1-21	21	19S	34W	Losen
CUSTOMER <u>New Gulf Operating</u>			TRUCK #			
MAILING ADDRESS			DRIVER		TRUCK #	
CITY			DRIVER		TRUCK #	
STATE			DRIVER		TRUCK #	
ZIP CODE			DRIVER		TRUCK #	

Monument is  
San 350  
to include  
SW  
U.S.

JOB TYPE Surface HOLE SIZE 12 1/4" HOLE DEPTH 254' CASING SIZE & WEIGHT 8 5/8" 24#  
CASING DEPTH 258 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT 14.8 SLURRY VOL 1.36 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
DISPLACEMENT 1566k DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting and rig up on Val Drilling Rig #4 circulate casing  
mix 200 sls class A cement with 3% calcium 2% gel dis placed 1566k  
shut in cement did circulate 1 bbl top pit

Thanks Miles Shaw

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401S	1	PUMP CHARGE	1150.00	1150.00
5406	35	MILEAGE	5.25	183.75
5407A	9.4 TONS	Ten Miles asphalt	1.75	575.75
1102	5661 #	Calcium Chloride	.94	530.16
1104S	200 sls	Class A cement	18.55	3710.00
1118B	376 #	Bentonite gel	.27	101.52
			Subtotal	6251.18
			less 10% discount	625.12
			Subtotal	5626.06
			SALES TAX	298.94
			ESTIMATED TOTAL	5925.00



completed

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.