

1274175

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Globe Operating, Inc.
Well Name	DeWerff 1
Doc ID	1274175

Tops

Name	Top	Datum
Anhydrite	656	+1196
Base	685	+1167
Topeka	2910	-1058
Heebner	3180	-1328
Toronto	3196	-1344
Douglas	3214	-1362
Brown Lime	3314	-1462
Lansing	3332	-1480
BKC	3375	-1723
Viola	3613	-1761
Simpson	3708	-1856
Arbuckle	3766	-1914
LTD	3851	-1999
RTD	3850	-1998



Diamond Testing General Report

John Riedl
TESTER
CELL: 620-793-0550

General Information

Company Name	GLOBE OPERATING INC	Job Number	J3379
Contact	RICHARD STALCUP	Representative	JOHN RIEDL
Well Name	DEWERFF #1	Well Operator	GLOBE OPERATING INC
Unique Well ID		Report Date	2015/11/25
Surface Location	S32/22S/12W	Prepared By	JOHN RIEDL
Field		Qualified By	JASOM ALM

Test Information

Test Type	DST #1 CONVENTIONAL
Formation	LKC B-D
Well Fluid Type	
Test Purpose	

Start Test Date	2015/11/25	Start Test Time	14:30:00
Final Test Date	2015/11/25	Final Test Time	21:00:00

Test Recovery

RECOVERY: 250' VSL OIL CUT GASSY MUD, 750' GASSY OIL



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.

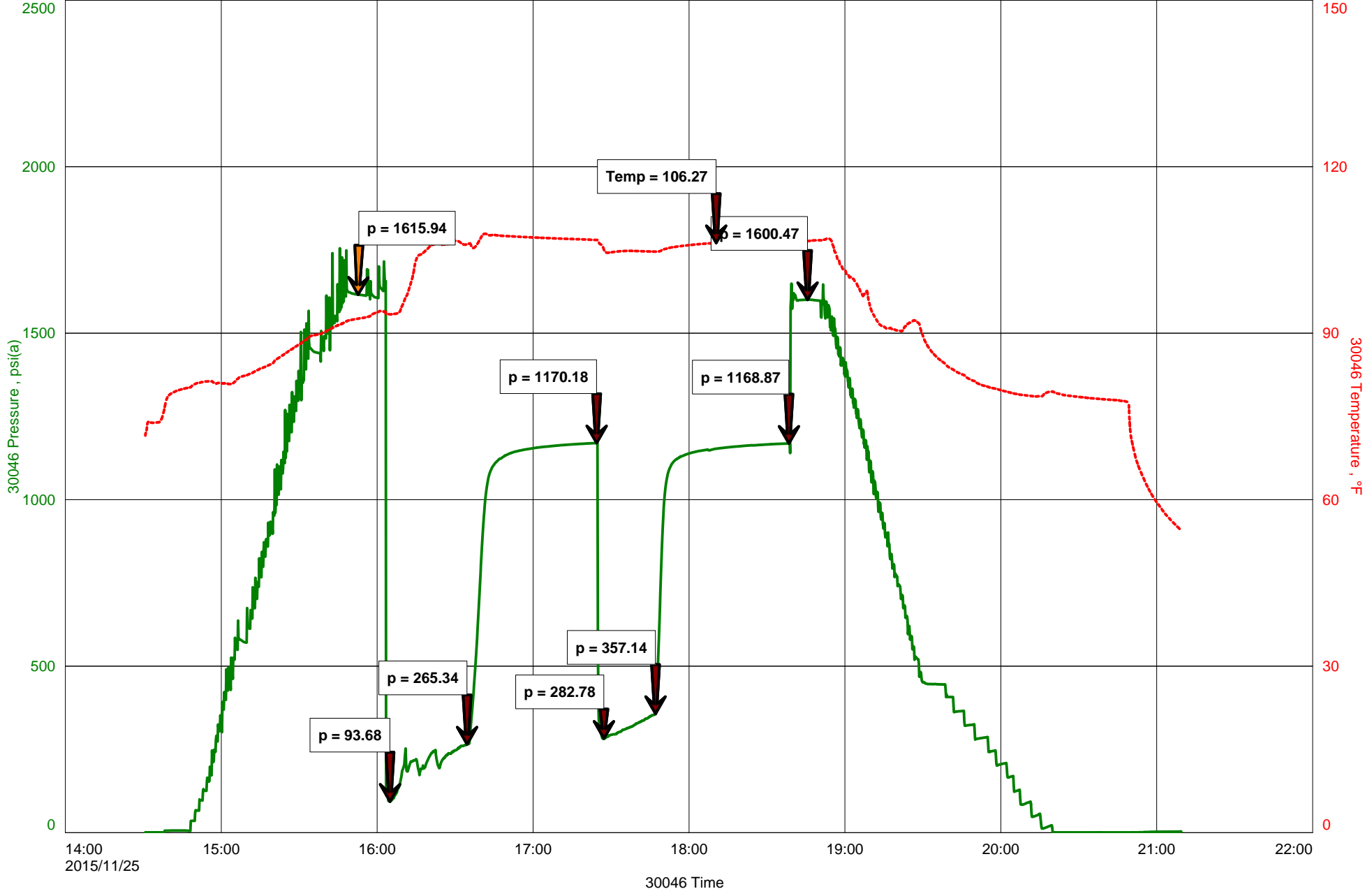
Blow: 1st Open: _____
2nd Open: _____

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.

DEWERFF #1





Diamond Testing General Report

John Riedl
TESTER
CELL: 620-793-0550

General Information

Company Name	GLOBE OPERATIONG INC	Job Number	J3380
Contact	RICHARD STALCUP	Representative	JOHN RIEDL
Well Name	DEWERFF #1	Well Operator	GLOBE OPERATIONG INC
Unique Well ID		Report Date	2015/11/26
Surface Location	S32/22S/121W	Prepared By	JOHN RIEDL
Field		Qualified By	JASON ALM

Test Information

Test Type	DST#2 CONVENTIONAL
Formation	LKC "I-K"
Well Fluid Type	
Test Purpose	

Start Test Date	2015/11/26	Start Test Time	08:30:00
Final Test Date	2015/11/26	Final Test Time	15:00:00

Test Recovery

RECOVERY: 2000' GAS IN PIPE, 300' GASSY MUDDY OIL



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.

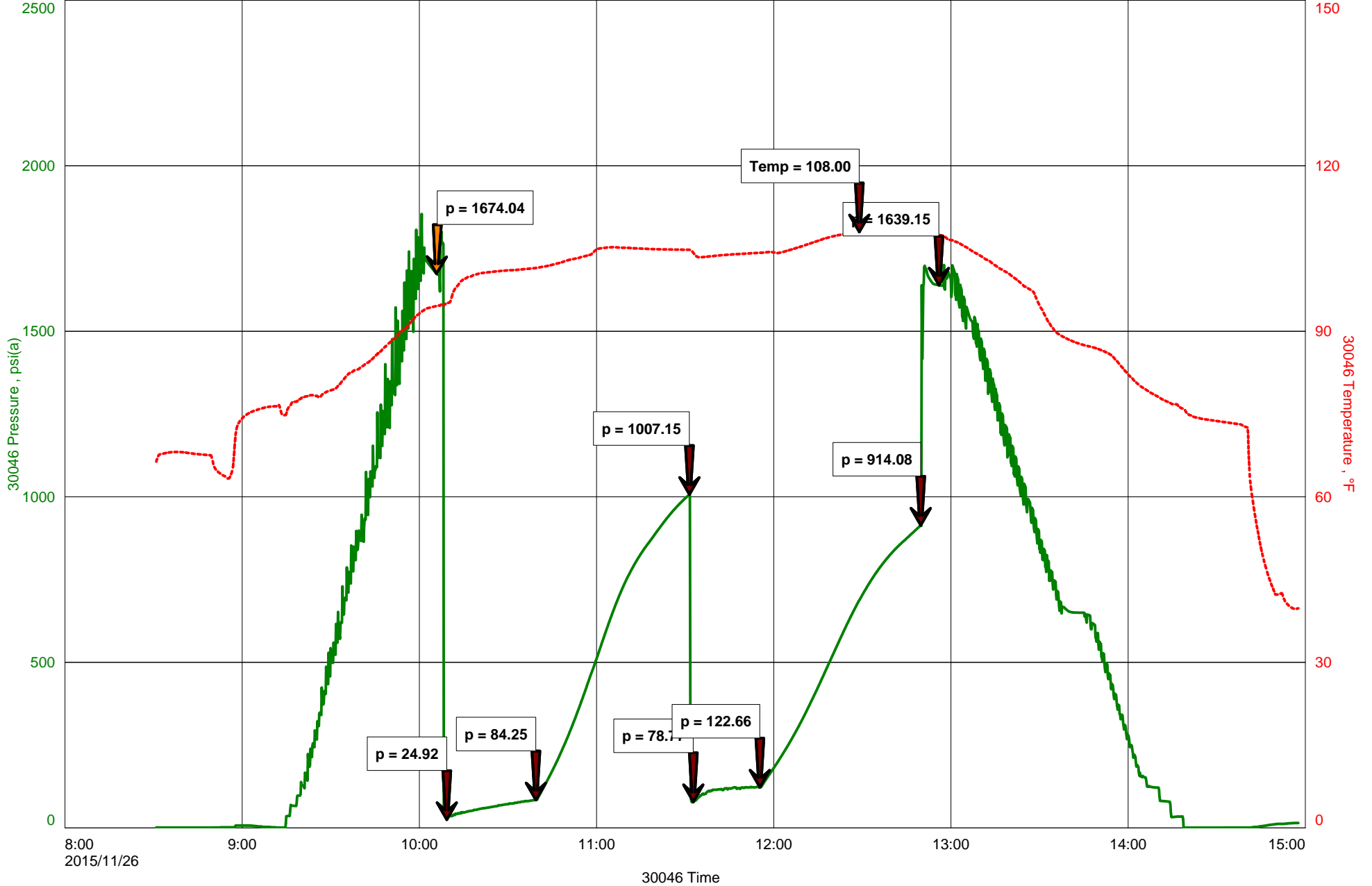
Blow: 1st Open: _____
 2nd Open: _____

Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	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.

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DEWERFF #1





Diamond Testing General Report

John Riedl
TESTER
CELL: 620-793-0550

General Information

Company Name	GLOBE OPERATING INC	Job Number	J3381
Contact	RICHARD STALCUP	Representative	JOHN RIEDL
Well Name	DEWERFF #1	Well Operator	GLOBE OPERATING INC
Unique Well ID		Report Date	2015/11/27
Surface Location	S32/22S/12W	Prepared By	JOHN RIEDL
Field		Qualified By	JASON ALM

Test Information

Test Type	DST #1 CONVENTIONAL
Formation	VIOLA
Well Fluid Type	
Test Purpose	

Start Test Date	2015/11/27	Start Test Time	01:00:00
Final Test Date	2015/11/27	Final Test Time	07:40:00

Test Recovery

RECOVERY: 360' DRILLING MUD



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.

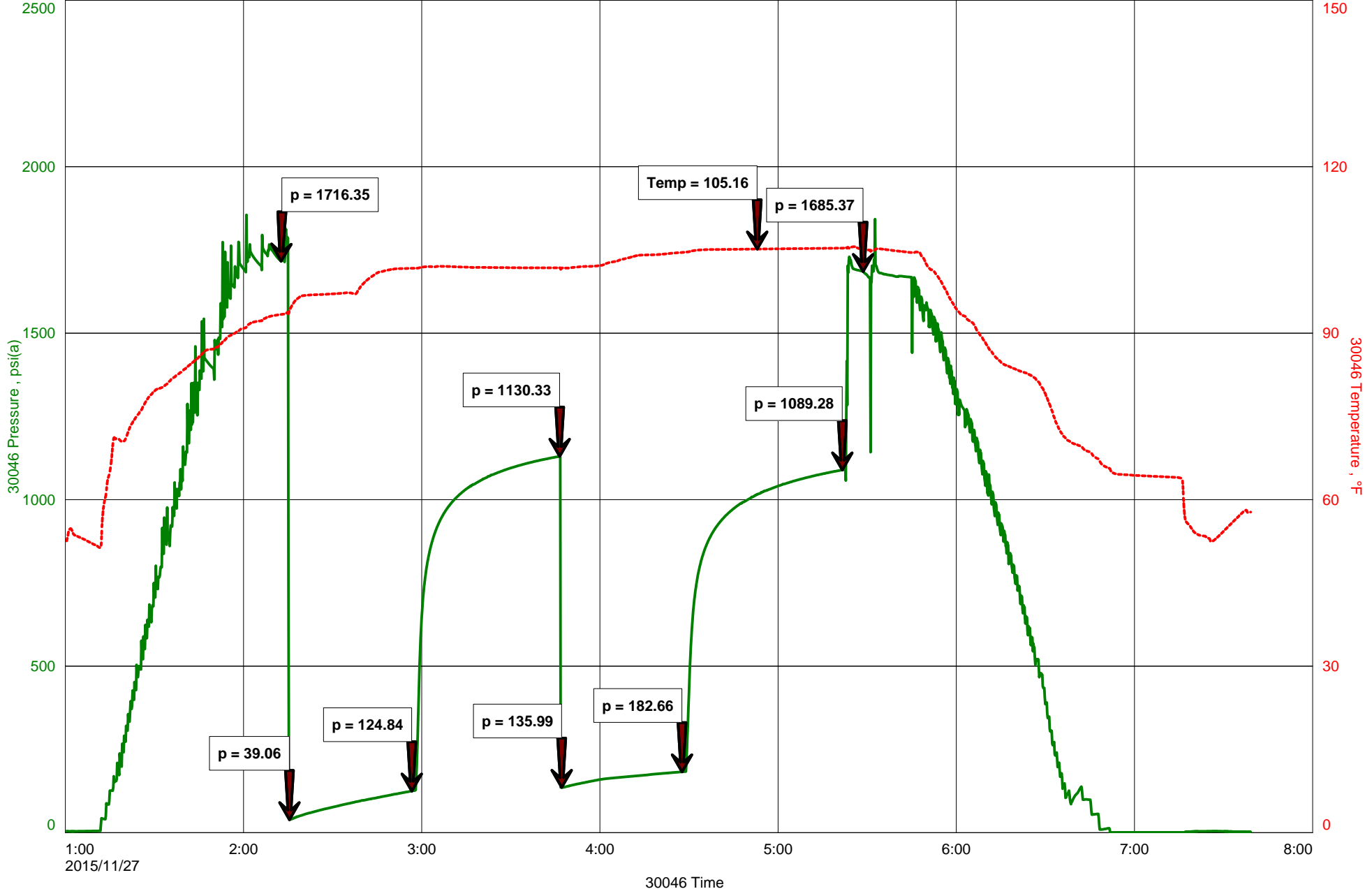
Blow: 1st Open: _____
2nd Open: _____

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.

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DEWERFF #1





Diamond Testing General Report

John Riedl
TESTER
CELL: 620-793-0550

General Information

Company Name	GLOBE OPERATING INC	Job Number	J3382
Contact	RICHARD STALCUP	Representative	JOHN RIEDL
Well Name	DEWERFF #1	Well Operator	GLOBE OPERATING INC
Unique Well ID		Report Date	2015/11/28
Surface Location	S32/22S/12W	Prepared By	JOHN RIEDL
Field		Qualified By	JASON ALM

Test Information

Test Type	DST #4 CONVENTIONAL
Formation	ARBUCKLE
Well Fluid Type	
Test Purpose	

Start Test Date	2015/11/27	Start Test Time	18:40:00
Final Test Date	2015/11/28	Final Test Time	00:20:00

Test Recovery

RECOVERY: 20' DRILLING MUD



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.

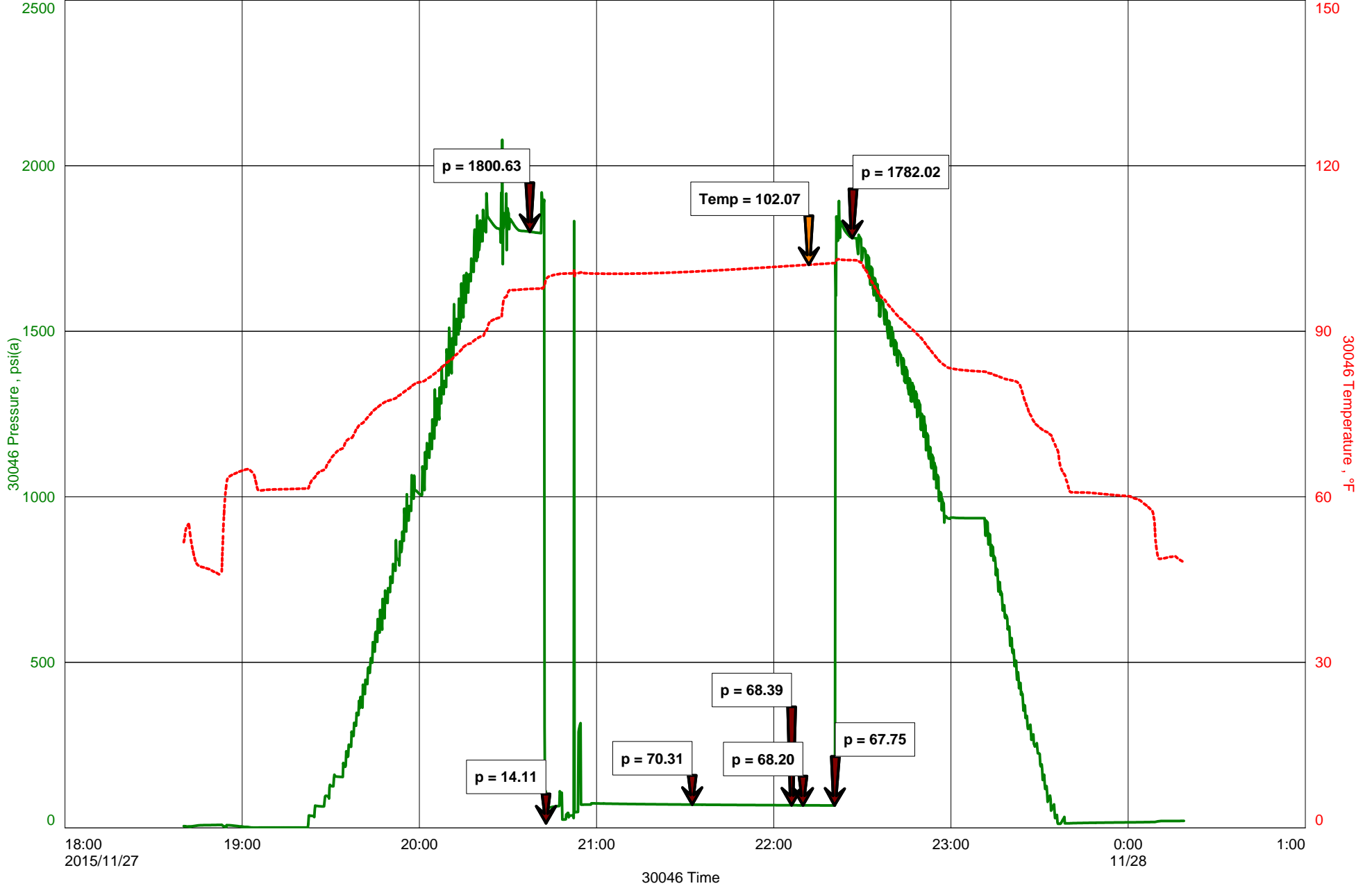
Blow: 1st Open: _____
2nd Open: _____

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.

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DEWERFF #1



Geological Report

DeWerff #1

330' FSL & 2539' FWL

Sec. 32 T22s R12w

Stafford County, Kansas



Globe Operating, Inc.

General Data

Well Data: Globe Operating, Inc.
DeWerff #1
330' FSL & 2539' FWL
Sec. 32 T22s R12w
Stafford County, Kansas
API # 15-185-23952-0000

Drilling Contractor: Discovery Drilling Co. Inc. Rig #2

Geologist: Jason T Alm

Spud Date: November 21, 2015

Completion Date: November 28, 2015

Elevation: 1844' Ground Level
1852' Kelly Bushing

Directions: Hudson KS, West ¾ mi to blacktop, South 1 mi,
East into location.

Casing: 363' 8 5/8" surface casing
3850' 5 1/2" production casing

Samples: 10' wet and dry, 2900' to RTD

Drilling Time: 2800' to RTD

Electric Logs: Cased Hole Solutions "Jason Cappellucci"
CNL/CDL, DIL, MEL

Drillstem Tests: Four, Diamond Testing, Inc. "John Riedl"

Problems: None

Remarks: After DST #1 gas detector was inaccurate due to
high amounts of oil and gas in the mud system.

Formation Tops

Formation	Globe Operating, Inc. DeWerff #1 Sec. 32 T22s R12w 330' FSL & 2539' FWL
Anhydrite	656', +1196
Base	685', +1167
Topeka	2910', -1058
Heebner	3180', -1328
Toronto	3196', -1344
Douglas	3214', -1362
Brown Lime	3314', -1462
Lansing	3332', -1480
BKC	3375', -1723
Viola	3613', -1761
Simpson	3708', -1856
Arbuckle	3766', -1914
LTD	3851', -1999
RTD	3850', -1998

Sample Zone Descriptions

- LKC “A-zone”** (3332’, -1480): **Not Tested**
 Ls – Fine to sub-crystalline, oolitic in part with poor oolitic and scattered poor vuggy porosity, light spotted oil stain in porosity, mostly dense, no show of free oil, light yellow fluorescents, good cut, 45 units hotwire.
- LKC “B-zone”** (3358’, -1506): **Covered in DST #1**
 Ls – Fine to sub-crystalline, oolitic with poor to fair oomoldic and scattered poor inter-crystalline porosity, light to fair oil stain with light spotted saturation, fair show of free oil, good gassy odor, fair yellow fluorescents, good cut, 80 units hotwire.
- LKC “D-zone”** (3368’, -1516): **Covered in DST #1**
 Ls – Fine crystalline with scattered poor to fair inter-crystalline and slight vuggy porosity, light oil stain in porosity, slight show of free oil, fair odor, light yellow fluorescents, fair cut, 35 units hotwire.
- LKC “E-zone”** (3399’, -1547): **Covered in DST #1**
 Ls – Sub-crystalline, oolitic with poor oolitic porosity, light brown oil stain in porosity, no show of free oil, light yellow fluorescents, 46 units hotwire.

LKC “F-zone”	(3406’, -1554): Covered in DST #1 Ls – Fine crystalline, oolitic with fair to good oomoldic and oolitic porosity, light to fair oil stain with light saturation, fair show of free oil, light visible gas bubbles, good yellow fluorescents, good cut, 125 units hotwire.
LKC “I-zone”	(3485’, -1633): Covered in DST #2 Ls – Fine crystalline, oolitic with poor oolitic and oomoldic porosity, light to fair oil stain, slight show of free oil when broken, light yellow fluorescents, good cut.
LKC “J-zone”	(3500’, -1648): Covered in DST #2 Ls – Fine crystalline, oolitic packstone with fair to good oolitic and oomoldic porosity, light to good oil stain with fair spotted saturation, good show of free oil, fair odor, fair yellow fluorescents, good cut.
LKC “K-zone”	(3529’, -1677): Covered in DST #2 Ls – Fine crystalline, oolitic with fair to good oomoldic and scattered oolitic porosity, light to good oil stain and saturation, fair show of free oil, light yellow fluorescents, good cut.
Viola	(3613’, -1761): Covered in DST #3 Chert – Angular in part, weathered with fair to good vuggy porosity, light to fair oil stain, fair show of free oil, good odor, good yellow fluorescents, good cut.
Simpson	(3708’, -1856): Not Tested Dolo – Fine to very fine crystalline with very poor inter-crystalline porosity, light spotted oil stain, no show of free oil, few gas bubbles visible, bright yellow fluorescents, very dense. Ss – Quartz, frosted, fine grained with poor inter-granular porosity, light spotted oil stain in cluster, no show of free oil, fair yellow fluorescents, friable in part, very shaly.
Reworked Arbuckle	(3737’, -1885): Covered in DST #4 Dolo – Fine to medium rhombic crystalline with poor to scattered fair inter-crystalline and vuggy porosity, light oil stain with spotted light saturation, slight show of free oil when broken, good odor, fair yellow fluorescents, slight green shale inclusion.
Arbuckle	(3766’, -1914): Not Tested Dolo – Fine to medium rhombic crystalline with poor oolitic and inter-crystalline porosity, light tarry spotted stain in porosity, slight show of free oil, mostly barren, oolitic chert.

Drill Stem Tests

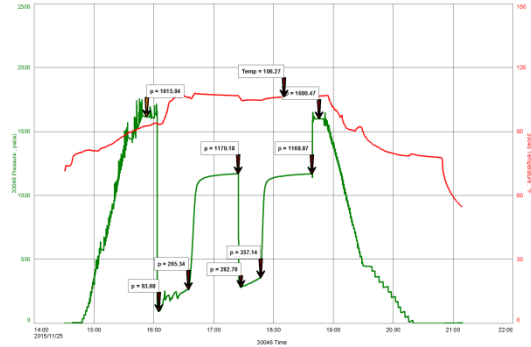
Diamond Testing, Inc.
"John Riedl"

DST #1 LKC B thru F zones

Interval (3346' – 3432') Anchor Length 86'

IHP	– 1616 #	
IFP	– 30" – B.O.B. 30 sec.	94-265 #
ISI	– 45" – B.O.B. 10 sec.	1170 #
FFP	– 30" – B.O.B. on open	283-357 #
FSI	– 45" – B.O.B. on shut	1169 #
FHP	– 1600 #	
BHT	– 106°F	

Recovery: GTS 25 min. Gauge 30 MCF
 250' SOCGM 2% Oil
 750' GCO 50% Oil

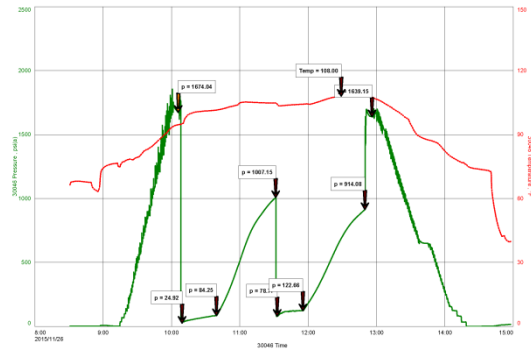


DST #2 LKC I thru K zones

Interval (3475' – 3545') Anchor Length 80'

IHP	– 1674 #	
IFP	– 30" – B.O.B. 1 min.	25-84 #
ISI	– 45" – Built to 8 in.	1007 #
FFP	– 30" – B.O.B. on open	79-122 #
FSI	– 45" – Built to 5 in.	914 #
FHP	– 1640 #	
BHT	– 108°F	

Recovery: 2000' GIP
 300' GMO 35% Oil

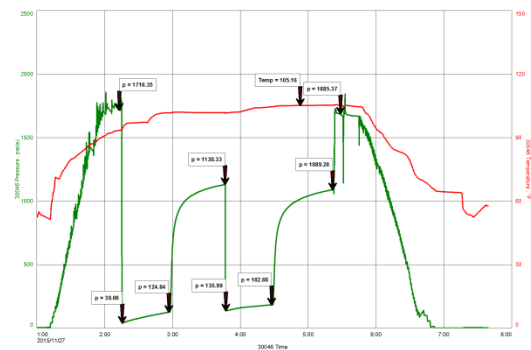


DST #3 Viola

Interval (3574' – 3634') Anchor Length 60'

IHP	– 1716 #	
IFP	– 45" – Built to 5 in.	39-125 #
ISI	– 45" – Dead	1130 #
FFP	– 45" – Built to 6 in.	136-183 #
FSI	– 45" – Dead	1089 #
FHP	– 1685 #	
BHT	– 105°F	

Recovery: 360' Mud



Summary

The location for the DeWerff #1 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Four Drill Stem Tests were conducted, two of which recovered commercial amounts of oil from the Lansing-Kansas City Formation. After all gathered data had been examined the decision was made to run 5 ½ inch production casing to further evaluate the DeWerff #1 well.

Recommended Perforations

In order of completion

Primary:

Arbuckle	3770' – 3772'	Not Tested
Simpson	3727' – 3734'	Not Tested

Secondary:

Viola	3613' – 3636'	DST #3
LKC K – zone	3530' – 3534'	DST #2
LKC J – zone	3501' – 3503'	DST #2
	3510' – 3512'	
LKC F – zone	3408' – 3416'	DST #1
LKC B – zone	3316' – 3318'	DST #1

Before Abandonment:

LKC I – zone	3488' – 3492'	DST #2
LKC G – zone	3427' – 3430'	Not Tested
LKC E – zone	3400' – 3402'	DST #1
LKC A – zone	3338' – 3340'	Not Tested

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.



PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1001662	1718	11/25/2015
INVOICE NUMBER			
91977667			

BES
1582
3003

Pratt (620) 672-1201
 B GLOBE OPERATING
 I PO Box: 12
 L GREAT BEND
 L KS US 67530
 T
 O **ATTN:** ACCOUNTS PAYABLE

J LEASE NAME DeWerff #1
 O LOCATION
 B COUNTY Stafford
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40894021	19843-0		Net - 30 days	12/25/2015

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates: 11/21/2015 to 11/21/2015				
0040894021				
171812918A Cement-New Well Casing/Pi 11/21/2015				
Cement New Well 8 5/8 Surface				
60/40 POZ	275.00	EA	5.28	1,452.00 T
Celloflake	69.00	EA	1.63	112.33 T
Calcium Chloride	711.00	EA	0.46	328.48 T
"Unit Mileage Chg (PU, cars one way)"	37.00	MI	1.98	73.26
Heavy Equipment Mileage	74.00	MI	3.30	244.20
438 Prop & Bulk Del. Chgs., per ton mil	1.00	EA	482.30	482.30
Depth Charge; 0-500'	1.00	EA	440.00	440.00
Blending & Mixing Service Charge	275.00	BAG	0.62	169.40
"Service Supervisor, first 8 hrs on loc.	1.00	EA	77.00	77.00

25
11/25

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	3,378.97
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	141.96
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	3,520.93
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1001662	1718	11/30/2015
INVOICE NUMBER			
91980590			

BES
106

Pratt (620) 672-1201
 B GLOBE OPERATING
 I PO Box: 12
 L GREAT BEND
 L KS US 67530
 T
 O **ATTN:** ACCOUNTS PAYABLE

J LEASE NAME Dewerff #1
 O LOCATION
 B COUNTY Stafford
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40895427	19843-0		Net - 30 days	12/30/2015

For Service Dates: 11/29/2015 to 11/29/2015

0040895427

171812725A Cement-New Well Casing/Pi 11/29/2015
 5 1/2 Long String New Well

PS
comp.

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
Premium Plus Cement	30.00	EA	6.50	195.00 T
AA2 Cement	150.00	EA	8.50	1,275.00 T
Premium Plus Cement	50.00	EA	6.50	325.00 T
Celloflake	57.00	EA	1.85	105.45 T
C-41P	36.00	EA	2.00	72.00 T
Salt	744.00	EA	0.25	186.00 T
FLA-322	71.00	EA	3.75	266.25 T
Gilsonite	747.00	EA	0.33	250.24 T
Cement Friction Reducer	43.00	EA	3.00	129.00 T
"Top Rubber Cmt Plug, 5 1/2""	1.00	EA	52.50	52.50
"Guide Shoe - Regular. 5 1/2"" (Blue)"	1.00	EA	125.00	125.00
"Flapper Ins. Ft. Vlv., 5 1/2"" (Blue	1.00	EA	107.50	107.50
"Turbolizer, 5 1/2"" (Blue)"	6.00	EA	55.00	330.00
Claymax	4.00	EA	17.50	70.00 T
"Unit Mileage Chg (PU, cars one way)"	45.00	MI	2.25	101.25
Heavy Equipment Mileage	90.00	MI	3.75	337.50
"Proppant & Bulk Del. Chgs., per ton mil	477.00	EA	1.25	596.25
Depth Charge; 3001-4000'	1.00	EA	1,080.00	1,080.00
Blending & Mixing Service Charge	230.00	BAG	0.70	161.00
Casing Swivel Rental	1.00	EA	100.00	100.00
Plug Container Util. Chg.	1.00	EA	125.00	125.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	87.51	87.51

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	6,077.45
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	215.55
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	6,293.00
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		