



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1228963
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
-----------------------------------	-----------------	---

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: _____



1228963

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)* _____

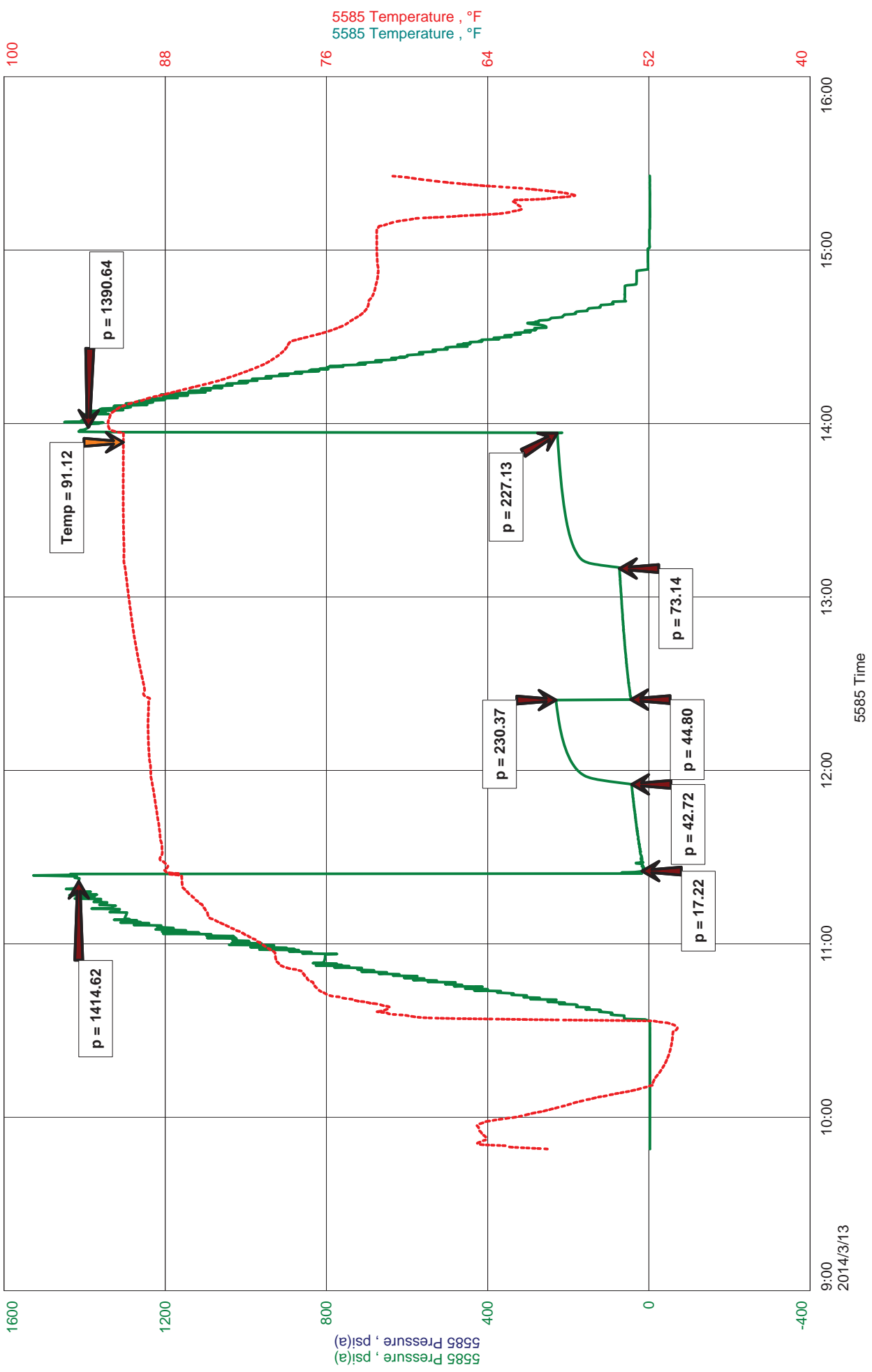
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	---	---

BRUNGARDT OIL & LEASING INC.
 DST 1 LKC"B" 2925-2950
 Start Test Date: 2014/03/13
 Final Test Date: 2014/03/13

BERANS BROTHERS 3
 Formation: DST 1 LKC"B" 2925-2950
 Pool: WILDCAT
 Job Number: A026

BERANS BROTHERS 3



DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA
CELL # 620-617-7202

General Information

Company Name	BRUNGARDT OIL & LEASING INC.	Job Number	A026
Contact	CHRISTOPHER BRUNGARDT	Representative	ANDY CARREIRA
Well Name	BERANS BROTHERS 3	Well Operator	BRUNGARDT OIL & LEASING INC.
Unique Well ID	DST 1 LKC"B" 2925-2950	Report Date	2014/03/13
Surface Location	SEC 15-12S-13W RUSSELL CNTY,KS	Prepared By	ANDY CARREIRA
Well License Number			
Field	WILDCAT		
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST 1 LKC"B" 2925-2950
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/03/13	Start Test Time	09:49:00
Final Test Date	2014/03/13	Final Test Time	15:25:00

Gauge Name 5585

Test Results

RECOVERY: 1135' GIP
83' W&MCGO 10%G, 50%O, 10%W, 30%M
63' M&OCGW 20%G, 30%O, 40%M, 10%M
146' TOTAL FLUID

CHLORIDES: 90000
Ph: 6.5
RW: .1 @ 60

TOOL SAMPLE: 90%OIL, 10%WATER



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BERANS BROS 3 DST1

TIME ON: 09:49
TIME OFF: 15:25

Company BRUNGARDT OIL & LEASING INC. Lease & Well No. BERANS BROTHERS 3
Contractor SHIELDS DRLG. Charge to BRUNGARDT OIL & LEASING INC.
Elevation 1705 KB Formation LKC " B" Effective Pay _____ Ft. Ticket No. A026
Date 3-13-14 Sec. 15 Twp. _____ 12 S Range _____ 13 W County RUSSELL State KANSAS
Test Approved By BRAD HUTCHINSON Diamond Representative ANDY CARREIRA

Formation Test No. 1 Interval Tested from 2925 ft. to 2950 ft. Total Depth 2950 ft.
Packer Depth 2920 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 2925 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 2918 ft. Recorder Number 5585 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 2927 ft. Recorder Number 8471 Cap. 10000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 50 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 8.8 Water Loss 6.0 cc. Weight Pipe Length 466 ft. I.D. 2 7/8 in.
Chlorides 4900 P.P.M. Drill Pipe Length 2434 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number - Test Tool Length 25 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 25 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 1 MIN. (NObb)
2nd Open: BOB IN 6 MIN. (SURFACE bb DEAD IN 5MIN)

Recovered 1135 ft. of GIP
Recovered 83 ft. of W&MCGO 10%G, 50%O, 10%W, 30%M
Recovered 63 ft. of M&OCGW 20%G, 30%O, 40%W, 10%M

Recovered _____ ft. of _____	Ph: 6.5	Price Job
Recovered _____ ft. of _____	RW: .1 @ 60	Other Charges
Remarks: _____		Insurance
TOOL SAMPLE: 90% OIL, 10% WATER		Total

Time Set Packer(s) 11:25AM A.M. P.M. Time Started Off Bottom 1:55PM A.M. P.M. Maximum Temperature 91

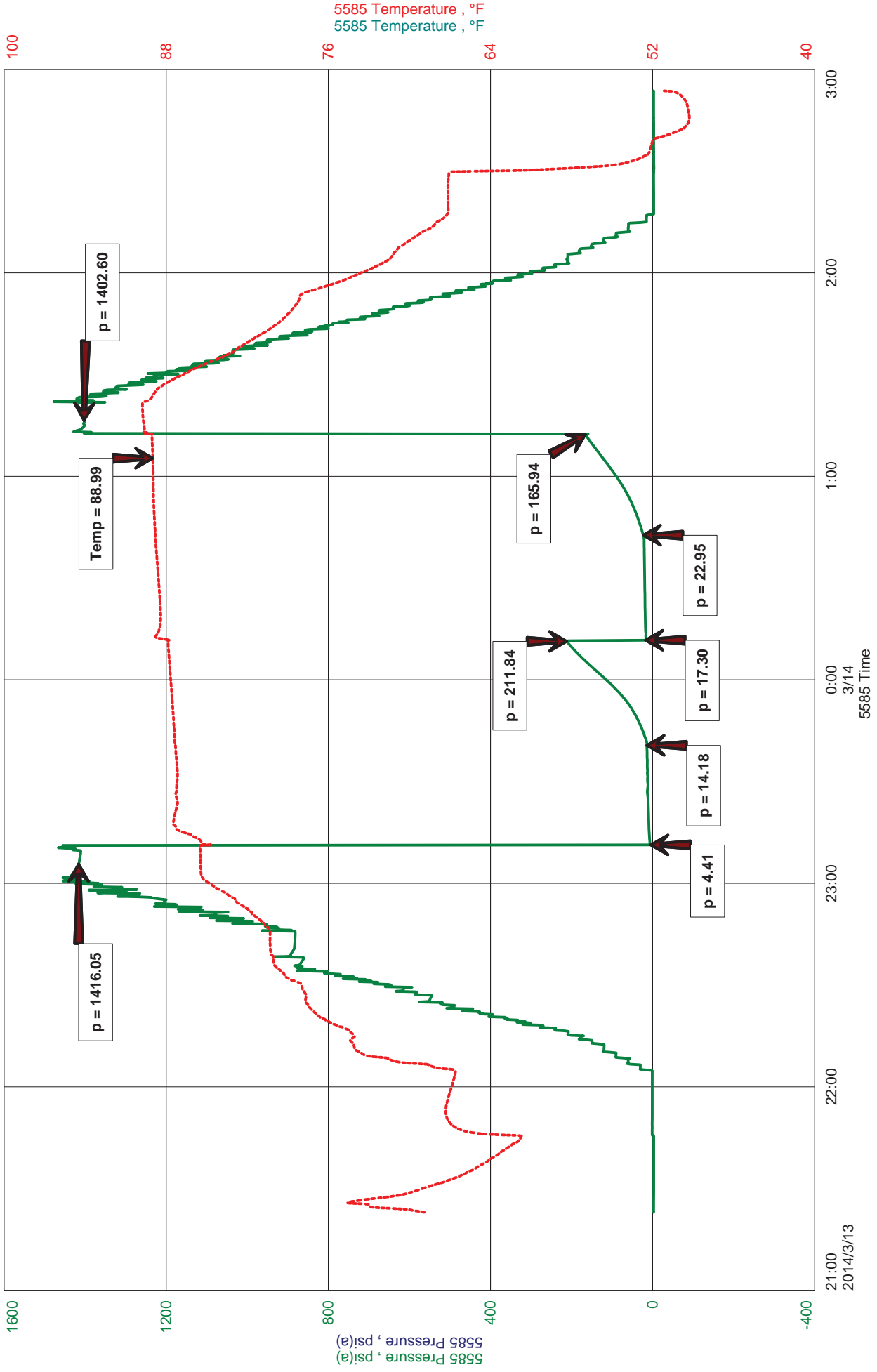
Initial Hydrostatic Pressure..... (A) 1415 P.S.I.
Initial Flow Period..... Minutes 30 (B) 17 P.S.I. to (C) 43 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 230 P.S.I.
Final Flow Period..... Minutes 45 (E) 45 P.S.I. to (F) 73 P.S.I.
Final Closed In Period..... Minutes 45 (G) 227 P.S.I.
Final Hydrostatic Pressure..... (H) 1391 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.

BRUNGARDT OIL & LEASING INC,
DST2 LKC"C" 2955-2980
Start Test Date: 2014/03/13
Final Test Date: 2014/03/14

BERANS BROTHERS 3
Formation: DST2 LKC"C" 2955-2980
Pool: WILDCAT
Job Number: A027

BERANS BROTHERS 3



DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA
CELL # 620-617-7202

General Information

Company Name	BRUNGARDT OIL & LEASING INC.	Job Number	A027
Contact	CHRISTOPHER BRUNGARDT	Representative	ANDY CARREIRA
Well Name	BERANS BROTHERS 3	Well Operator	BRUNGARDT OIL & LEASING INC.
Unique Well ID	DST2 LKC"C" 2955-2980	Report Date	2014/03/13
Surface Location	SEC 15-12S-13W RUSSELL CNTY,KS	Prepared By	ANDY CARREIRA
Well License Number			
Field	WILDCAT		
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST2 LKC"C" 2955-2980
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/03/13	Start Test Time	21:23:00
Final Test Date	2014/03/14	Final Test Time	02:54:00

Gauge Name	5585
------------	------

Test Results

RECOVERY: 30' OCWM 10%O, 30%W, 60%M

CHLORIDES: 90000
Ph: 6.5
RW: .1 @ 60

TOOL SAMPLE: 20% OIL, 40% WATER, 40% MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BERANS BROS 3 DST2

TIME ON: 21:23
TIME OFF: 02:54

Company BRUNGARDT OIL & LEASING INC. Lease & Well No. BERANS BROTHERS 3
Contractor SHIELDS DRLG. Charge to BRUNGARDT OIL & LEASING INC.
Elevation 1705 KB Formation LKC " C" Effective Pay _____ Ft. Ticket No. A027
Date 3-13-14 Sec. 15 Twp. _____ 12 S Range _____ 13 W County RUSSELL State KANSAS
Test Approved By BRAD HUTCHINSON Diamond Representative ANDY CARREIRA

Formation Test No. 2 Interval Tested from 2955 ft. to 2980 ft. Total Depth 2980 ft.
Packer Depth 2950 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 2955 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 2943 ft. Recorder Number 5585 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 2957 ft. Recorder Number 8471 Cap. 10000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 58 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 6.0 cc. Weight Pipe Length 466 ft. I.D. 2 7/8 in.
Chlorides 5100 P.P.M. Drill Pipe Length 2464 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number - Test Tool Length 25 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 25 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: WEAK BLOW, DIED IN 13 MIN, (NObb)
2nd Open: NO BLOW. (NObb)

Recovered 30 ft. of OCWM 10%O, 30%W, 60%M
Recovered _____ ft. of CHLORIDES: 90000
Recovered _____ ft. of Ph: 6.5
Recovered _____ ft. of RW: .1 @ 60

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>20%OIL, 40%WATER, 40%MUD</u>	Total

Time Set Packer(s) 11:12 PM A.M. P.M. Time Started Off Bottom 1:12 AM A.M. P.M. Maximum Temperature 89

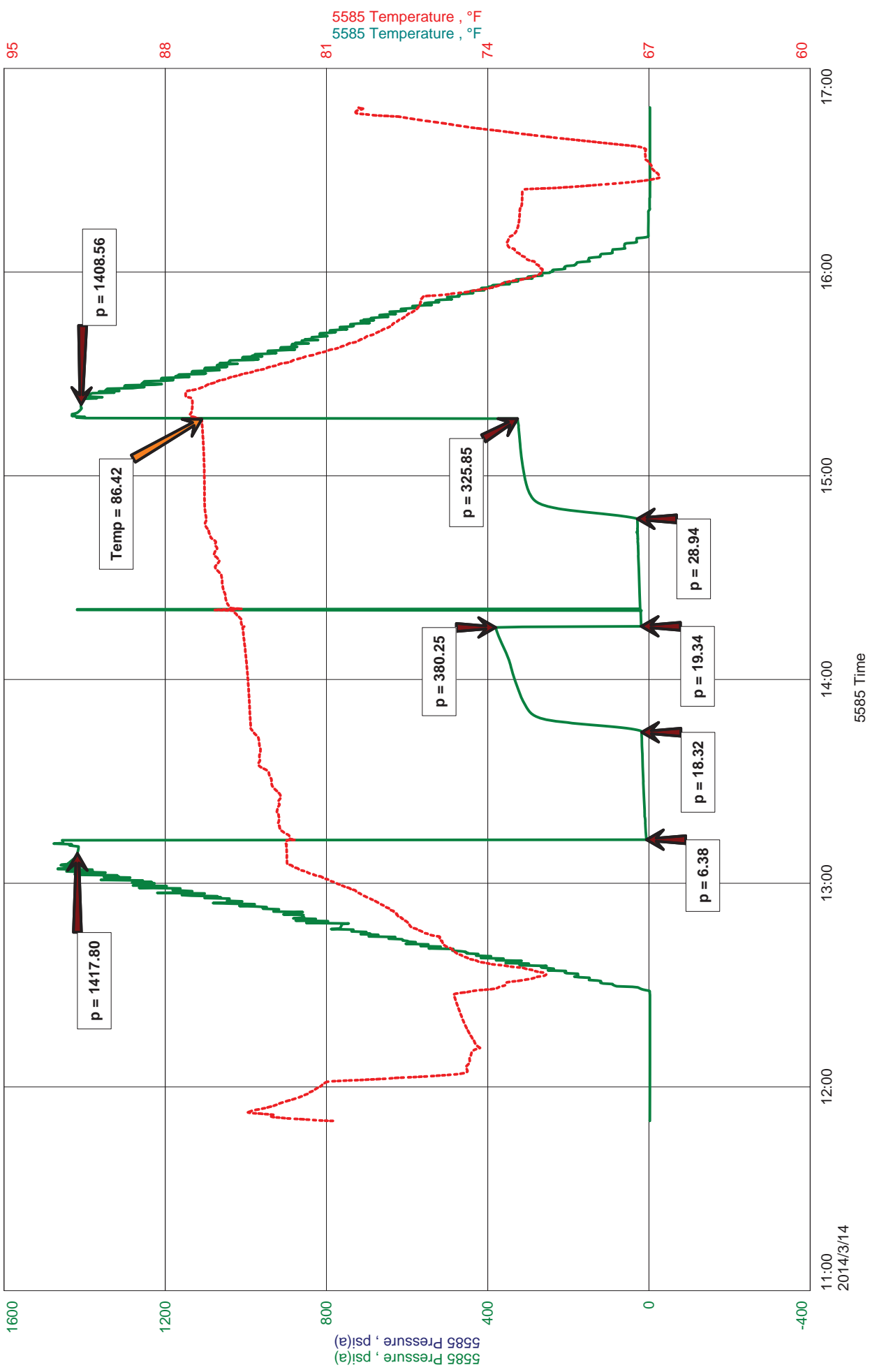
Initial Hydrostatic Pressure..... (A) 1416 P.S.I.
Initial Flow Period..... Minutes 30 (B) 4 P.S.I. to (C) 14 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 212 P.S.I.
Final Flow Period..... Minutes 30 (E) 17 P.S.I. to (F) 23 P.S.I.
Final Closed In Period..... Minutes 30 (G) 166 P.S.I.
Final Hydrostatic Pressure..... (H) 1403S 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.

BRUNGARDT OIL & LEASING INC.
DST3 LKC"F-G" 2980-3027
Start Test Date: 2014/03/14
Final Test Date: 2014/03/14

BERANS BROTHERS 3
Formation: DST3 LKC"F-G" 2980-3027
Pool: WILDCAT
Job Number: A028

BERANS BROTHERS 3



DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA
CELL # 620-617-7202

General Information

Company Name	BRUNGARDT OIL & LEASING INC.	Job Number	A028
Contact	CHRISTOPHER BRUNGARDT	Representative	ANDY CARREIRA
Well Name	BERANS BROTHERS 3	Well Operator	BRUNGARDT OIL & LEASING INC.
Unique Well ID	DST3 LKC"F-G" 2980-3027	Report Date	2014/03/14
Surface Location	SEC 15-12S-13W RUSSELL CNTY KS	Prepared By	ANDY CARREIRA
Well License Number			
Field	WILDCAT		
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST3 LKC"F-G" 2980-3027
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/03/14	Start Test Time	11:50:00
Final Test Date	2014/03/14	Final Test Time	16:48:00

Gauge Name	5585
------------	------

Test Results

RECOVERY: 20' MUD

TOOL SAMPLE: TRACE OIL, MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BERANS BROS 3 DST3

TIME ON: 11:50
TIME OFF: 16:48

Company BRUNGARDT OIL & LEASING INC. Lease & Well No. BERANS BROTHERS 3
Contractor SHIELDS DRLG. Charge to BRUNGARDT OIL & LEASING INC.
Elevation 1705 KB Formation LKC " F-G" Effective Pay _____ Ft. Ticket No. A028
Date 3-14-14 Sec. 15 Twp. 12 S Range 13 W County RUSSELL State KANSAS
Test Approved By BRAD HUTCHINSON Diamond Representative ANDY CARREIRA

Formation Test No. 3 Interval Tested from 2980 ft. to 3027 ft. Total Depth 3027 ft.
Packer Depth 2975 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 2980 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 2968 ft. Recorder Number 5585 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 2982 ft. Recorder Number 8471 Cap. 10000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 47 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 9.2 cc. Weight Pipe Length 466 ft. I.D. 2 7/8 in.
Chlorides 8200 P.P.M. Drill Pipe Length 2489 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number - Test Tool Length 25 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 25 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: WEAK BLOW, DIED IN 1 MIN, (NObb)
2nd Open: NO BLOW, FLUSHED, SURGED, NO BLOW (NObb)

Recovered <u>20</u> ft. of <u>MUD</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) 1:13 PM A.M. P.M. Time Started Off Bottom 3:13 PM A.M. P.M. Maximum Temperature 86
Initial Hydrostatic Pressure..... (A) 1418 P.S.I.
Initial Flow Period..... Minutes 30 (B) 6 P.S.I. to (C) 18 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 380 P.S.I.
Final Flow Period..... Minutes 30 (E) 19 P.S.I. to (F) 29 P.S.I.
Final Closed In Period..... Minutes 30 (G) 326 P.S.I.
Final Hydrostatic Pressure..... (H) 1409 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.

DATE <u>2-12-14</u>	<u>12</u>	<u>13</u>	OR LOCATION	JOB START <u>1030</u>	JOB FINISH <u>1100</u>
LEASE <u>Biothru</u>	WELL # <u>3</u>	LOCATION <u>Bunkerhill K1</u>		COUNTY <u>Kane</u>	STATE <u>KI</u>
OLD OR NEW (Circle one)		<u>N to Mellard rd 1 w 1/2 N</u>			

CONTRACTOR S Shields

TYPE OF JOB _____

HOLE SIZE 7 7/8 T.D. _____

CASING SIZE 5 1/2 DEPTH 3216.29

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 77.52

OWNER _____

CEMENT

AMOUNT ORDERED 2005L com

COMMON 2005L @ 1790 3580.00

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

91516 SALT @ .53 4874.75

Mud Truck @ _____

1" 50 gal @ 140 700.00

HANDLING 200 72 @ 2.45 490.00

MILEAGE 141 71m 2.60 366.60

TOTAL 45627.55

EQUIPMENT

PUMP TRUCK CEMENTER Greg P

417 HELPER Dennis

BULK TRUCK

410 DRIVER Joe C

BULK TRUCK

_____ DRIVER _____

REMARKS:

See Cementing Job log

CHARGE TO: Brunswick Oil

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 3216.29

PUMP TRUCK CHARGE 2493.57

EXTRA FOOTAGE _____ @ _____

MILEAGE Heavy 32m @ 7.7 2231.00

MANIFOLD 6" 6" 15m @ 4.4 264.00

Plug Cement @ _____ 275.00

TOTAL 43055.21

PLUG & FLOAT EQUIPMENT

1x 5 1/2" Float shoe @ 430 3636.48

1x 5 1/2" Lat 4" Down @ _____ 4610.00

1x 5 1/2" Post Catcher @ _____ 43042.00

5x 5 1/2" Centralizer @ 57.09 285.00

1x 5 1/2" B.S. bit @ _____ 3394.29

11 5/8" Float Valve @ _____ 3370.00

TOTAL 45357.77

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____

TOTAL CHARGES \$ 44070.61

DISCOUNT \$ 2514.12 IF PAID IN 30 DAYS

PRINTED NAME _____

SIGNATURE Greg P

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 7744

Date	3-9-14	Sec.	15	Twp.	13	Range	13	County	Russell	State	KS	On Location		Finish	10:30 A.M.
------	--------	------	----	------	----	-------	----	--------	---------	-------	----	-------------	--	--------	------------

Lease	Beaus Brothers		Well No.	3	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.									
Contractor	Shields				Charge To	Brought + Oil									
Type Job	Surface				Street										
Hole Size	12 1/4		T.D.	220	City										
Csg.	8 5/8		Depth	220	State										
Tbg. Size			Depth		The above was done to satisfaction and supervision of owner agent or contractor.										
Tool			Depth		Cement Amount Ordered	15000m 3/CC 2/CC									
Cement Left in Csg.	15		Shoe Joint												

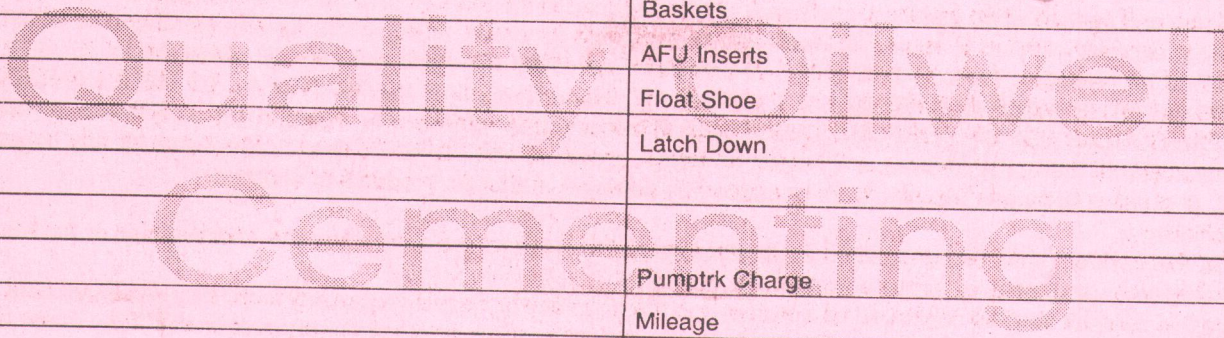
Meas Line _____ Displace 13 BCL

EQUIPMENT				Common
Pumptrk	18	No.	Cementer Helper	Poz. Mix
Bulktrk		No.	Driver	Gel.
Bulktrk	9	No.	Driver	Calcium

JOB SERVICES & REMARKS		
Remarks:		Hulls
Rat Hole		Salt
Mouse Hole		Flowseal
Centralizers		Kol-Seal
Baskets		Mud CLR 48
D/V or Port Collar		CFL-117 or CD110 CAF 38
8 5/8 on bottom Fast Circulation		Sand
Mix 15000m Displace		Handling
Cement Circulation		Mileage

FLOAT EQUIPMENT		
		Guide Shoe
		Centralizer 8 5/8 surge
		Baskets
		AFU Inserts
		Float Shoe
		Latch Down
		Pumptrk Charge
		Mileage

X Signature	George Boggs	Tax	
		Discount	
		Total Charge	



QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Home Office P.O. Box 32 Russell, KS 67665

Phone 785-483-2025
Cell 785-324-1041

No. 009

Finish	On Location	State	County	Range	Twp.	Sec.	Date
		KS	Russell				4-1-14

Location Barkerville / Millard Rd 1/2 3/4 W 10th Well No. 3

Lease Reynolds Brothers
 Contractor Stewart
 Type Job Port Collar

Hole Size
 T.D. Charge Bumpout 0.1

Csg. Size 5 1/2
 Depth 238
 Tbg. Size 2 3/8
 Depth 735
 Tool Annular Rick
 Cement Left in Csg. 1.2BC

Meas Line Displace 1.2BC

JOB SERVICES & REMARKS

Pumptrk 9 No.	Cementer	Cooper
	Helper	
Bulktrk No.	Driver	Cooper
	Driver	
Bulktrk 14 No.	Driver	David

Remarks:
 Rat Hole
 Mouse Hole
 Centralizers
 Baskets
 DV or Port Collar
 Sand
 Handling 200
 Mileage

FLOAT EQUIPMENT

Guide Shoe
 Centralizer
 Baskets
 AFU Inserts
 Float Shoe
 Latch Down
 Pumptrk Charge 19
 Mileage

Total Charge	
Discount	
Tax	

Signature [Handwritten Signature]

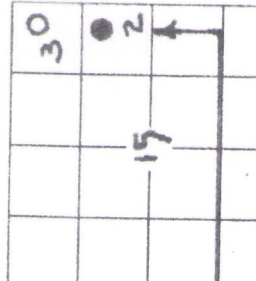
GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY BRUNNARDT OIL & LEASING, INC.
 LEASE Barons Brothers #3
 FIELD W9600
 LOCATION 330' FNL 535' FEL
 SEC 15 TWP 12S RGE 13W
 COUNTY Russell STATE KANSAS
 CONTRACTOR SHIELDS OIL PROPOSERS, INC.
 SPUD 3-8-2014 COMP 3-15-2014
 RTD 3230 (-1525) LTD 3228 (-1523)
 MUD UP 2400' TYPE MUD CHEMICAL
 SAMPLES SAVED FROM 2600' TO RTD
 DRILLING TIME KEPT FROM 2500' TO RTD
 SAMPLES EXAMINED FROM 2600' TO RTD
 GEOLOGICAL SUPERVISION FROM 2600' TO RTD
 GEOLOGIST ON WELL BRAD S. HUTCHISON

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	730 +975 (+5)	734 (+971)
LOPEKA	2624 -919 (-5)	2628 (-923)
HEEBNER	2856 -1151 (-6)	2860 (-1155)
TORONTO	2896 -1171 (-7)	2880 (-1175)
LANSING	2914 -1207 (-7)	2916 (-1211)
BRASS KANSAS CITY	3195 -1420 (-5)	3199 (-1494)

↑ fractured compressor



MARKS It was recommended based on sample analysis, testing data, and analysis that 5/2" production string be set and cemented at 3225' and the following zones to be tested thru perforations and acid stimulation.
 ANSING 2956-30 ' C
 2941-44 ' B
 Specially Submitted,
 Brad S. Hutchison
 Road S. Hutchison

LEGEND

	Anhydrite
	Salt
	Sandstone
	Shale
	Carb sh
	Limestone
	Col.Lime
	Chert
	Dolomite

DRILLING TIME

HL

DEPT

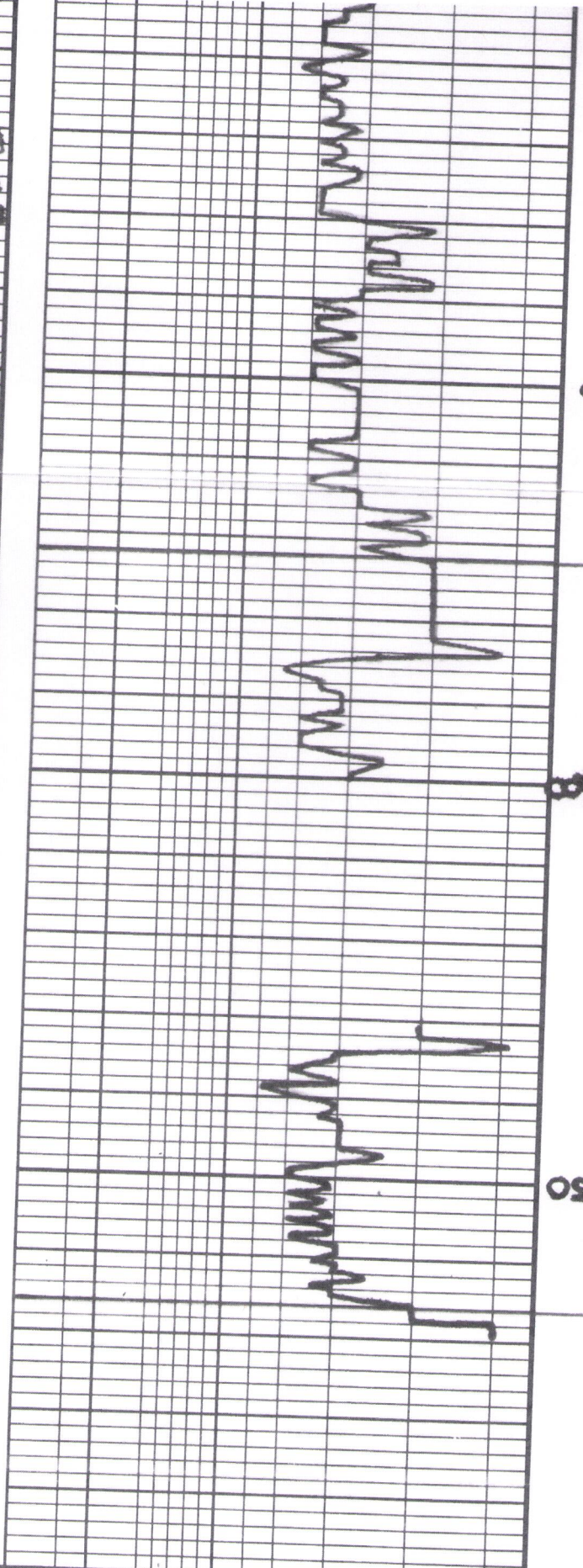
100

50

0

Logarithmic Scale)

.5 1 2 3 4 5 10 15 20 30



SAMPLE DESCRIPTIONS

July 234 (1971)

HOPEKA 2628 (-923)

15 WHT. CCM Chalky

15 ft grey-blue Dsc.

AA

15 WHT. CCM
irregular shaly

15 grey-blue Dsc.

Foss Abund with chert

poor samples

AA

REMARKS

