

ORIGINAL

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 30795
 Name: Black Dahlia Oil and Gas Company
 Address 1: 22120 N. Golf Club Dr.
 Address 2: _____
 City: Sun City West State: Az Zip: 85375 + _____
 Contact Person: William C. Hafeman
 Phone: (623) 214 8811
 CONTRACTOR: License # 33350
 Name: Southwind Drlg.
 Wellsite Geologist: Randall Kilian
 Purchaser: NCRA

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
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or
 Recompletion Date 11-02-11/11-07-11 Recompletion Date 1-2-2012

API No. 15 - 167-23751-00-00
 Spot Description: SE/NW/NW
SE -NW-NW- Sec. 32 Twp. 15 S. R. 12 East West
740 Feet from North / South Line of Section
900 Feet from East / West Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
 County: Russell
 Lease Name: Hafeman Well #: 3
 Field Name: Hall-Guerney
 Producing Formation: Arbuckle
 Elevation: Ground: 1869 Kelly Bushing: 1877
 Total Depth: 3415 Plug Back Total Depth: _____
 Amount of Surface Pipe Set and Cemented at: 562 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set: _____ Feet
 If Alternate II completion, cement circulated from: 3413
 feet depth to: 2915 w/ 80 sx cnt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 32000 ppm Fluid volume: 600 bbls
 Dewatering method used: Evaporation and then backfill
 Location of fluid disposal if hauled offsite: _____
 Operator Name: _____
 Lease Name: _____ License #: _____
 Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
 County: _____ Permit #: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: W.C. Hafeman
 Title: President Date: 1-11-2012

KCC Office Use ONLY

- Letter of Confidentiality Received
 Date: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
 ALT I II III Approved by: DG Date: 1/30/12

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Operator Name: Black Dahlia Oil and Gas Co Lease Name: Hafeman Well #: #3

Sec. 32 Twp. 15 S. R. 12 W East West County: Russell

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: <u>Dual Induction Log</u> <u>Dual Compensated Porosity Log</u> <u>Microresistivity Log</u>	<input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample Formation (Top), Depth and Datum <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">Name</td> <td style="width:45%;">Anhydrite</td> <td style="width:20%;">Top 810</td> <td style="width:20%;">Datum +1067</td> </tr> <tr> <td></td> <td>Topeka</td> <td>2686</td> <td>-809</td> </tr> <tr> <td></td> <td>Heebner</td> <td>2961</td> <td>-1084</td> </tr> <tr> <td></td> <td>Brown</td> <td>3047</td> <td>-1170</td> </tr> <tr> <td></td> <td>Lansing</td> <td>3055</td> <td>-1175</td> </tr> <tr> <td></td> <td>BKC</td> <td>3303</td> <td>-1426</td> </tr> <tr> <td></td> <td>Arbuckle</td> <td>3326</td> <td>-1449</td> </tr> </table>	Name	Anhydrite	Top 810	Datum +1067		Topeka	2686	-809		Heebner	2961	-1084		Brown	3047	-1170		Lansing	3055	-1175		BKC	3303	-1426		Arbuckle	3326	-1449
Name	Anhydrite	Top 810	Datum +1067																										
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	Lansing	3055	-1175																										
	BKC	3303	-1426																										
	Arbuckle	3326	-1449																										

CASING RECORD <input checked="" 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
Surface Csg.	12.25"	8.625"	23#	562	Common 3%cc 2%gel	225	3%cc 2% gel
Production	7.785"	5.5"	15.5#	3415	Common	80	10% Salt 5% Gilsonite

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3326-30	Natural	

TUBING RECORD: Size: <u>2 7/8"</u> Set At: <u>3348</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. _____		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbls. <u>40</u>	Gas Mcf <u>TSTM</u> Water Bbls. <u>00</u> Gas-Oil Ratio <u>Unknown</u> Gravity <u>40</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i> negligible	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" 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 (Specify) _____	PRODUCTION INTERVAL: <u>3326 - 30</u>
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

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QUALITY OILWELL CEMENTING, INC.

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

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

No. 512

Date	11/3/11	Sec.	32	Twp.	15	Range	12	County	Russell	State	KS	On Location		Finish	12:15PM	
Lease	HAFEMAN			Well No.	3			Location	Russell, St. Michaels Rd, E to 19th Rd, 1/2 S, E to							
Contractor	Southwind Drilling Rig #6							Owner	To Quality Oilwell Cementing, Inc.							
Type Job	Surface							You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Hole Size	12 1/4"			T.D.	571'			Charge To	Black Dakota Oil + Gas Co.							
Csg.	8 5/8" 23#			Depth	564'			Street								
Tbg. Size								City	State							
Tool								The above was done to satisfaction and supervision of owner agent or contractor.								
Cement Left in Csg.	20'			Shoe Joint												
Meas Line				Displace	34 3/4 Bbk.			Cement Amount Ordered	225sx6m 3%CC 2%gel							
EQUIPMENT																
Pumptrk	9	No.	Cementer	Paul			Helper	Common								
Bulktrk	14	No.	Driver	Matt			Driver	Poz. Mix								
Bulktrk	PV	No.	Driver	Cory			Driver	Gel.								
JOB SERVICES & REMARKS																
Remarks:								Calcium								
Rat Hole								Hulls								
Mouse Hole								Salt								
Centralizers								Flowseal								
Baskets								Kol-Seal								
D/V or Port Collar								Mud CLR 48								
								CFL-117 or CD110 CAF 38								
	Est Circ.							Sand								
	mix 225 sx							Handling								
	Displace							Mileage								
	Cement Circulated							FLOAT EQUIPMENT								
								Guide Shoe								
								Centralizer	4 5/8"							
								Baskets								
								AFU Inserts								
								Float Shoe								
								Latch Down								
								Head + Manifold								
								Wood Plug								
								Pumptrk Charge								
								Mileage								
								Tax								
								Discount								
								Total Charge								
X Signature	[Handwritten Signature]															

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Thank You!!

DEFINITIONS: In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

- **TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

- **ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

- **PRICES AND TAXES:** All merchandise listed in "QUALITY'S" current price shall schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

- **TOWING CHARGES:** QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

- **PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

- **DEADHAUL, CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

- **SERVICE CONDITIONS AND LIABILITIES:** 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be constructed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

QUALITY OILWELL CEMENTING, INC.

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

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

No. 518

Date	11/8/11	Sec.	32	Twp.	16	Range	12	County	Russell	State	KS	On Location		Finish	10:30 AM
Lease	Hafeman			Well No.	3			Location	Michaelis Rd + 194th, 1/2 S, E, into						
Contractor	Southwind Drilling Rigs #6							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.						
Type Job	Production String							Charge To	Black Pahlia Oil + Gas Co.						
Hole Size	7 7/8"			T.D.	3415'			Street							
Csg.	5/8" 15.50#			Depth	3413'			City	State						
Tbg. Size								The above was done to satisfaction and supervision of owner agent or contractor.							
Tool								Cement Amount Ordered	110 sk Com 10% Salt						
Cement Left in Csg.	23'			Shoe Joint	23'			5% Gisonite							
Meas Line								Displace	80 3/4 Bbls.						
EQUIPMENT															
Pumptrk	9	No.		Cementer	Paul			Common							
				Helper											
Bulktrk	8	No.		Driver	Matt			Poz. Mix							
				Driver											
Bulktrk	PV	No.		Driver	Doug			Gel.							
				Driver											
JOB SERVICES & REMARKS															
Remarks:								Calcium							
Rat Hole	30 x							Hulls							
Mouse Hole								Salt							
Centralizers	4, 14, 24, 34, 44, 54, 64, 74							Flowseal							
Baskets	3							Kol-Seal							
D/V or Port Collar								Mud CLR 48	500 gal.						
Est Circ.	45 min.							CFL-117 or CD110 CAF 38							
Pump	500 gal Mud Clear - 48							Sand							
Plug	But Hole							Handling							
Mix	80 sk down 5 1/2"							Mileage							
Displace								5 1/2" FLOAT EQUIPMENT							
Land Plug								Guide Shoe	1						
Float Head								Centralizer	8 - Turbas						
								Baskets	1						
								AFU Inserts	1						
								Float Shoe							
								Latch Down							
								Rubber Plug							
								Rotating Head							
								Pumptrk Charge							
								Mileage							
								Tax							
								Discount							
								Total Charge							
X Signature	[Handwritten Signature]														

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X Signature

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- **ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

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(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

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WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

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Superior Testers Enterprises L.L.C.

P.O. Box 138, Great Bend, Kansas 67530

(800) 792-6902

DST #1

Company Black Dakota Oil & Gas Company
 Address 22120 N Golf Club Drive Suncity West AR 95375 + 2078
 Lease & # Hafeman #3 Sec. 32 Twp 15s Rng 12w
 Date 11-7-2011 County Russell Elevation 1869 G.L. 1877 K.B.
 Drilling Contractor Southwind Drilling Rig # 6
 Drill Pipe Length _____ I.D. of Drill Pipe 1.8 Tool Joint Size 4 1/2 XH
 Drill Collar Length _____ I.D. of Drill Collars 2.25 Tool Joint Size 4 1/2 XH
 Mud Weight 9.3 Viscosity 49 Filtrate 9.2 Chlorides-Pits 4000 DST _____
 Top Packer Depth 3295 Bottom Packer Depth 3300 Number of Packers 2
 Tested From 3300 to 3348 Total Depth 3315 Anchor Length 48
 Test # 1 Formation Tested Lansing AIR Hole Size 7 7/8
 Initial Blow Strong Blow Built Bottom of Bucket in 1 1/2 minutes
 Blow back on the 1st Shut-in 1 inch
 Final Blow Strong Blow Built Bottom of Bucket in 1 1/2 minutes
 Blow back on the 2nd Shut-in Very 1 1/2 in

Initial Hydrostatic 1669 P.S.I. Final Hydrostatic 1657 P.S.I. Maximum Temp. _____ F

Initial Opening	<u>304</u> P.S.I. to <u>488</u> P.S.I.	from	<u>4:39</u> p.m. to <u>4:49</u> p.m.	<u>10</u> minutes
Initial Shut-In	<u>1126</u> P.S.I.	from	<u>4:49</u> p.m. to <u>5:49</u> p.m.	<u>60</u> minutes
Final Opening	<u>591</u> P.S.I. to <u>982</u> P.S.I.	from	<u>5:49</u> p.m. to <u>6:34</u> p.m.	<u>45</u> minutes
Final Shut-In	<u>1106</u> P.S.I.	from	<u>6:34</u> p.m. to <u>7:34</u> p.m.	<u>60</u> minutes

Feet	Recovery Description	% Gas	% Oil	% Mud	% Water
<u>2340</u>	<u>Clear Gas 0.7</u>	<u>15</u>	<u>85</u>		
<u>180</u>	<u>Watery mud</u>			<u>50</u>	<u>50</u>
	<u>Chlorides</u>				

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 KCC WICHITA

Total Feet Recovered 2520 Recovery Chlorides 18,000 Rv. .5 ohms @ 666 Degrees
 Gravity of oil 45 Corrected Gas to Surface in _____ minutes into the _____
 Max. Gas Gauged _____ MCF/day See Gas Flow Report Was a gas sample taken _____
 Comments on location at 1:30 pm

Extra Equipment-Jars _____ Safety Joint _____ Circulating Sub _____ Straddle yes
 Electronic Recorder No. 8425/8425 Depth 3345 Extra Packer (3rd) yes Hook Wall _____
 Bottom Recorder No. 8419 Depth 3312 Extra Packer (4th) _____ Sampler _____
 Tool Operator [Signature] Approved By _____

Ticket No. 18650

Black Dakota Oil & Gas Company 32-15s-12w Russell Hafeman #3 DST #1 Arbuckle 2011.11.07

