

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1  
September 1999  
Form must be Typed

**ORIGINAL**

Operator: License # 33209  
Name: Penn Virginia Oil & Gas Corporation  
Address: 2550 E. Stone Dr., Suite 110  
City/State/Zip: Kingsport, TN 37660  
Purchaser:  
Operator Contact Person: Richard Waddell, Operations Manager  
Phone: 423-723-0281  
Contractor: Name: Gulick Drilling Co., Inc.  
License: 32854  
Wellsite Geologist: None  
Designate Type of Completion:

New Well     Re-Entry     Workover  
 Oil     SWD     SLOW     Temp. Add.  
 Gas     ENH     SIGW  
 Dry     Other (Core, WSW, Exp. Method, 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./SWD  
 Plug Back     Plug Back Total Dept  
 Commingle    Docket No. \_\_\_\_\_  
 Dual Completion    Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)    Docket No. \_\_\_\_\_

05/27/2003	06/01/2003	09/13/2003
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 1507323950-00-10  
County: Greenwood  
NE 1/4 NW 1/4 Sec. 23 Twp. 23S R: 09  East  West  
600' feet from  N /  S Line of Section  
1980' feet from  E /  W Line of Section

Footages Calculated from Nearest Outside Section Corner:

(Circle one) NE SE **NW** SW

Lease Name: TETER 23-3 Well #: 4  
Field Name: \_\_\_\_\_  
Producing Formation: Pennsylvanian Coals  
Elevation: 1309 Kelly Bushing: 1317  
Total Depth: 2600 Plug Back Total Depth 2569  
Amount of Surface Pipe Set and Cemented at 225  Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
from depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

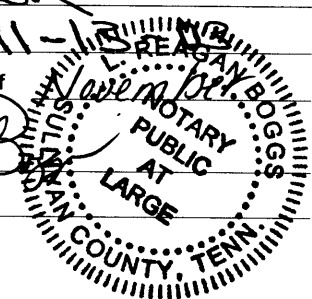
**Drilling Fluid Management Plan**  
(Data must be collected from the reserve pit)

Chloride content \_\_\_\_\_ ppm. Fluid volume \_\_\_\_\_ bbls  
Dewatering method used Will dispose of drilling fluid in Teter 23-11 #2  
(API No. 15-073-23961).  
Location of fluid disposal if hauled offsite:  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No: \_\_\_\_\_  
Quarter: \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S R.  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**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.

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: Richard Waddell  
Title Operations Manager Date: 11-13-03  
Subscribed and sworn before me this 13<sup>th</sup> day of November, 2003.  
Notary Public: [Signature]  
Date Commission Expires: 2-26-2006



KCC Office Use ONLY	
<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
<input type="checkbox"/>	If Denied, Yes <input type="checkbox"/> Date: _____
<input checked="" type="checkbox"/>	Wireline Log Received
<input checked="" type="checkbox"/>	Geologist Report Received
<input type="checkbox"/>	UIC Distribution

Operator Name: Penn Virginia Oil & Gas Corporation Lease Name: TETER 23-3 Well #: 4  
 Sec. 23 Twp. 23S R. 09  East  West County: Greenwood API # 15-073-23950-00-00

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent To Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Lansing	1318' -3'
Electric Logs Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Base Kansas City	1754 -439'
List All E. Logs Run: Photo Density, Comp Neutron, GR, CAL, Induction		Cherokee	2029' -714
		Mississippian	2353' -1038'

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 CONSERVATION DIVISION  
 WICHITA, KS

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
Surface	12 1/4"	8 5/8"	23	214	CI A	140	3% CaCl2
Intermediate							
Production	7 7/8"	5 1/2"	15.5	2569	CI A	180	4% Gel, 2% CaCl2, 8#/sk CalSeal, 4#/sk KolSeal

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 <i>(Amount and Kind of Material Used)</i>	Depth
2	2340-44, 2306-08	250 gal. 15% HCL acid, 214 BW, 141 MSCF N2, 11600 lbs 16/30 sand	
2	2120-24, 2149-52, 2181-84	250 gal. 15% HCL acid, 262 BW, 166 MSCF N2, 19280 lbs 16/30 sand	
2	1964-66, 1994-97, 2022-24, 2030-32	250 gal. 15% HCL acid, 214 BW, 151 MSCF N2, 13000 lbs 16/30 sand	

TUBING RECORD	Size 2 3/8"	Set At 2506	Packer At no	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of first, Resumerd Production, SWD or Enhr. 09/09/2003 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls	Gas Mcf	Water Bbls 20	Gas-Oil Ratio	Gravity
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Disposition of Gas  Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  
*(If Vented, Submit ACO-18)*  Other (Specify)

API #15-073-23950-60-00

**BLUE STAR  
ACID SERVICE, INC.**

PO Box 103  
Eureka, Kansas 67045

Cementing Ticket  
and Invoice Number

**ORIGINAL  
No. 4547**

Date <b>6-1-03</b>	Customer Order No.	Sect <b>23</b>	Twp. <b>23S</b>	Range <b>9E</b>	Truck Called Out <b>7:30 AM</b>	On Location <b>10:40 AM</b>	Job Began <b>1:23 PM</b>	Job Completed <b>2:15 PM</b>
Owner <b>PENN-VIRGINIA OIL &amp; GAS</b>		Contractor <b>Gulick Delq. Co. INC.</b>			Charge To <b>PENN-VIRGINIA OIL &amp; GAS</b>			
Mailing Address <b>2550 E. State Drive #110</b>		City <b>Kingsport</b>			State <b>TENN. 37660</b>			
Well No. & Form <b>Teter #23-3-4</b>		Place		County <b>GREENWOOD</b>		State <b>Ks</b>		
Depth of Well <b>2600'</b>	Depth of Job <b>2672'</b>	Casing <input checked="" type="radio"/> New <input type="radio"/> Used	Size <b>5 1/2"</b>	Weight <b>15.50 #</b>	Size of Hole Amt. and Kind of Cement <b>7 7/8" 180 SKS</b>	Cement Left in casing by	Request <input checked="" type="radio"/> Necessity <b>2'</b> feet	
Kind of Job <b>2569 Longstring</b>					Drillpipe	<input checked="" type="radio"/> Rotary mud <input type="radio"/> Cable		
					Tubing	Truck No. <b>#21</b>		

Price Reference No. **#1**

Price of Job **665.00**

Second Stage \_\_\_\_\_

Mileage **20** **45.00**

Other Charges \_\_\_\_\_

Total Charges **710.00**

Remarks: **SAFETY Meeting: Rig up to 5 1/2" casing. Break circulation with 20 Bbl fresh water. Mixed 180 SKS Thick Set Cement with 4" KIL-SEAL PER/SK @ 13.5 # PER/GAL. Shut down. Wash out Pump & Lines. Release Plug. Displace with 62 Bbl fresh water @ 3.5 BPM. (Last 4 Bbl Displace decreased rate to 1BPM. FINAL Pumping Pressure 600 PSI. Bump Plug to 1100 PSI. Wait 5 minutes. Release Pressure. Float Held. Shut casing in @ 0PSI. Good circulation AT ALL TIMES while cementing. Job Complete. Rig down.**

Cementor **Kevin McCoy**

Helper **Mike, Justin** District **EUREKA** State **Ks**

The above job was done under supervision of the owner, operator, or his agent whose signature appears below.

**Thank you**

*[Signature]*  
Agent of contractor or operator

Sales Ticket for Materials Only

Quantity Sacks	BRAND AND TYPE	PRICE	TOTAL
180 SKS	Thick Set Cement	10.75	1935.00
720 #	KOL-SEAL 4" PER/SK	.30	216.00
RECEIVED KANSAS CORPORATION COMMISSION			
4 HRS	80 Bbl VAC TRUCK	60.00	240.00
1	Load City water	20.00	20.00
NOV 20 2003 CONSERVATION DIVISION WICHITA, KS			
1	5 1/2" x 2' shoe joint	125.00	125.00
1	5 1/2" AFU float shoe	160.00	160.00
2	5 1/2" Cement basket	106.00	212.00
6	5 1/2" Centralizers	28.00	168.00
1	5 1/2" Latch down Plug	170.00	170.00
		180 SKS Handling & Dumping	.50 90.00
Plugs		9.90 TONS Mileage 20	.80 158.40
		Sub Total	4204.40
Delivered by Truck No. #22		Discount	
Delivered from EUREKA		Sales Tax	6.3% 264.88
Signature of operator <i>[Signature]</i>		Total	4469.28

API# 15-073-23950-00-00

ORIGINAL

**United Cementing & Acid Company, Inc.**  
 2510 W. 6th St.  
 El Dorado, Kansas 67042  
 316-321-4680 800-794-0187 (Fax) 316-321-4720

Remit Payment To:  
 One North Hudson, Suite 1000  
 Oklahoma City, OK 73102  
 405-278-8800

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CONSERVATION DIVISION  
 WICHITA, KS

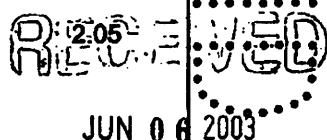
# 25933

Customer:  
 Penn Virginia Oil & Gas Corporation  
 2550 E. Stone Drive, Suite 110  
 Kingport, Tennessee 37660

Invoice No. 5255  
 Field Ticket 4678  
 Date 5/31/2003  
 PO#

Date of Job	County	State	Lease	Well No.
05/28/03	GW	KS	Teter Well	#23-3-34
Size of Casing	Depth Of Well	Depth Of Job	Plug Depth	Pressure
8-5/8"	224'		187'	
Quantity	Description	UOM	Unit Price	Total
<b>SURFACE CASING</b>				
140	Class A Cement	sax	5.80	812.00
4	Calcium Chloride	sax	26.10	104.40
1	8-5/8" Alum. Baffle Plate	ea	49.50	49.50
1	8-5/8" Wooden Cup			48.50
144	BulkCharge	sax	0.98	141.12
	Drayage - 7.25 tons			136.87
	Cement Unit			482.00
25	Pump Truck Mileage charge	mi	2.05	51.25
<div style="border: 1px solid black; padding: 5px; display: inline-block;">                     Well/District <u>Teter 23-3-4</u>                      AFE <input checked="" type="checkbox"/> Expense                      Drilling <input checked="" type="checkbox"/> Completion                      Description <u>805-CT</u>                      Approval Initials <u>RW</u> Date <u>6/6</u>                      Math Checked _____                      Account Distribution _____                      GL Account _____                 </div>				
<b>Subtotal</b>				\$ 1,823.64
<b>Sales Tax</b>				\$ 81.29
<b>TOTAL DUE</b>				<b>\$ 1,904.93</b>

*Thank you for your continued business*

  
 RECEIVED  
 JUN 06 2003  
 ACCOUNTING DEPT.

TERMS: Net 30 days from invoice date. Please pay from this invoice.

*Handwritten initials*

ORIGINAL INVOICE