

**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     SIOW     Temp. Abd.  
 Gas     ENH     SIGW  
 Dry     Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-entry: Old Well Info as follows \_\_\_\_\_

Operator: \_\_\_\_\_ **NOV 20 2003**  
 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. \_\_\_\_\_

06/08/2003	06/17/2003	10/10/2003
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 1507323952-00-00  
 County: Greenwood  
 NE 1/4 SE 1/4 Sec. 22 Twp. 23S R: 09  East  West  
 \_\_\_\_\_ 2033' feet from  N /  S Line of Section  
 \_\_\_\_\_ 607' feet from  E /  W Line of Section

Footages Calculated from Nearest Outside Section Corner:

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

Lease Name: TETER 22-9 Well #: 5  
 Field Name: \_\_\_\_\_  
 Producing Formation: Pennsylvanian Coals  
 Elevation: 1365 Kelly Bushing: 1373  
 Total Depth: 2552 Plug Back Total Depth 2504  
 Amount of Surface Pipe Set and Cemented at 209 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).

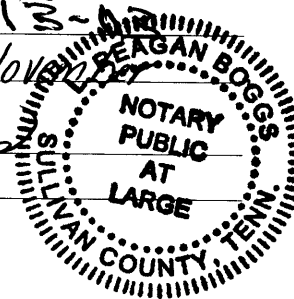
Location of fluid disposal if hauled offsite: \_\_\_\_\_

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 13th day of November  
 2003.  
 Notary Public: A. Reagan Boggs  
 Date Commission Expires: 2-26-2006



**KCC Office Use ONLY**

Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

✓

X

Operator Name: Penn Virginia Oil & Gas Corporation Lease Name: TETER 22-9 Well #: 5  
 Sec. 22 Twp. 23S R 09  East  West County: Greenwood **API # 15-073-23952-00-00**

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  Yes  No  
 (Attach Additional Sheets)

Samples Sent To Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Logs Run  Yes  No  
 (Submit Copy)

List All E. Logs Run: Photo Density, Comp. Neutron, GR, CAL,   
 Induction

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Lansing	1359	+11'
Base Kansas City	1791'	-421'
Cherokee	2072	-702'
Mississippian	2407'	-1037'

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**KANSAS CORPORATION COMMISSION**  
**NOV 20 2003**  
**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	209	CI A	125	3% CaCl2
Intermediate							
Production	7 7/8"	5 1/2"	15.5	2537	CI A	160	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 (Amount and Kind of Material Used)	Depth
2	2404-06, 2400-02, 2392-96, 2359-62	250 gal. 15% HCL acid, 197 BW, 133 MSCF N2, 17900 lbs 16/30 sand	
2	2164-68, 2194-97, 2225-29	250 gal. 15% HCL acid, 177 BW, 145 MSCF N2, 18400 lbs 16/30 sand	
2	2006-09, 2038-41, 2065-68, 2073-76	250 gal. 15% HCL acid, 214 BW, 163 MSCF N2, 19100 lbs 16/30 sand	

<b>TUBING RECORD</b>	Size 2 3/8"	Set At 2447	Packer At 2110	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of first, Resumerd Production, SWD or Enhr. 10/09/2003 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls	Gas Mcf	Water Bbls 240	Gas-Oil Ratio	Gravity
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Disposition of Gas  Vented  Sold  Used on Lease (If Vented, Submit ACO-18)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify)

Production Interval

API# 15-073-23952-00-00

**BLUE STAR  
ACID SERVICE, INC.**

PO Box 103  
Eureka, Kansas 67045

Cementing Ticket  
and Invoice Number

**ORIGINAL**  
No. 4625

Date 6-17-03	Customer Order No.	Sect. 22	Twp. 235	Range 9E	Truck Called Out 5:00 AM	On Location 6:15 AM	Job Began 8:23 AM	Job Completed 9:15 AM
Owner PENN-VIRGINIA OIL & GAS CORP.		Contractor Gulick D+lg. Co.			Charge To PENN-VIRGINIA OIL & GAS CORP.			
Mailing Address 2550 E. Stone Drive Suite 110		City Kingsport			State TN. 37660			
Well No. & Form # Teter 22-9-5		Place Greenwood		County Ks		State		
Depth of Well 2550'	Depth of Job 2537'	Casing (New) (Used)	Size 5 1/2	Weight 15.50 #	Size of Hole Amt. and Kind of Cement 7 3/8 160 SKS	Cement Left in casing by	Request Necessity 0' feet	
Kind of Job Longstring					Drillpipe	(Rotary) (Cable)	Truck No. #21	

Price Reference No.	# 1
Price of Job	665.00
Second Stage	
Mileage 15 >	33.75
Other Charges	
Total Charges	698.75

Remarks Safety Meeting: Rig up to 5 1/2 casing. Pump 20 Bbl fresh water. Mixed 160 SKS Thick Set Cement with 4# Kol-Seal per/sk @ 13.5# per/gal. Shut down. Wash out pump & lines. Release Plug. Displace with 60.25 Bbl fresh water. Final Pumping Pressure 550 PSI. Bump Plug to 1050 PSI. wait 4 minutes. Check float. float held. Shut casing in @ 0 PSI. Good Circulation ✓ AT ALL times while Cementing. Job Complete 9:15 AM. Rig down.

Cementer Kevin McCoy

Helper Mike, Justin, Jim 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
160 SKS	THICK SET CEMENT	10.75	1720.00
640 #	KOL-SEAL 4# per/sk	.30	192.00
RECEIVED KANSAS CORPORATION COMMISSION NOV 20 2003			
4 Hrs	80 BBL VAC TRUCK #13	60.00	240.00
1	Load City Water	20.00	20.00
2	5 1/2 Cement Baskets	106.00	212.00
1	5 1/2 AFU FLOAT Shoe	160.00	160.00
6	5 1/2 x 7 3/8 Centralizers	28.00	168.00
1	5 1/2 Top Rubber Plug	40.00	40.00
	150 SKS Handling & Dumping	.50	80.00
	8.8 TONS Mileage 15	.80	105.60
	Sub Total		3636.35
	Delivered by Truck No. #16	Discount	
	Delivered from EUREKA	Sales Tax	6.3%
	Signature of operator <i>Kevin McCoy</i>	Total	3865.44

**BLUE STAR  
ACID SERVICE, INC.**

PO Box 103  
Eureka, Kansas 67045

Cementing Ticket  
and Invoice Number

**ORIGINAL**  
N<sup>o</sup>: 4584

API # 1560432239526600

Date <b>6-9-03</b>	Customer Order No.	Sect <b>22</b>	Twp. <b>23</b>	Range <b>9E</b>	Truck Called Out <b>8:30 AM</b>	On Location <b>9:30 AM</b>	Job Began <b>11:15 AM</b>	Job Completed <b>11:45 AM</b>
Owner <b>Penn Virginia Oil &amp; Gas Corp.</b>		Contractor <b>Gulick Drk.</b>			Charge To <b>Penn Virginia Oil &amp; Gas Corp.</b>			
Mailing Address <b>2550 E. Stone Dr. Suite 110</b>		City <b>Kingsport</b>			State <b>TN. 37660</b>			
Well No. & Form <b>Tefer 22-9-5</b>		Place <b>Greenwood</b>			State <b>Kansas</b>			
Depth of Well <b>210</b>	Depth of Job <b>213</b>	Casing <input checked="" type="checkbox"/> New <input type="checkbox"/> Used	Size <b>8 5/8</b>	Weight <b>23 lb</b>	Size of Hole Amt. and Kind of Cement <b>12 1/2"</b>	Cement Left in casing by	<input checked="" type="checkbox"/> Request Necessity <b>25</b> feet	
Kind of Job <b>Surface Pipe</b>					Drillpipe	Tubing		Truck No. <b>*25</b>

Price Reference No. \_\_\_\_\_  
 Price of Job **425.00**  
 Second Stage \_\_\_\_\_  
 Mileage **45.00**  
 Other Charges \_\_\_\_\_  
 Total Charges **470.00**

Remarks **Safety Meeting: Rig up to 8 5/8" casing, break circulation with 1500 gal. fresh water. Mixed 125 sks. Reg. cement w/ 3% GACLZ and Yelb. #2 of Floccs. Displace Plug with 11 3/4 Bbls. water. Shut down, close casing in with Good cement returns. (8 Bbls. slow)**

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KANSAS CORPORATION COMMISSION

NOV 20 2003

CONSERVATION DIVISION  
WICHITA, KS

Job complete - Tear down

Cementer **Brad Butler**  
 Helper **Rick Monti** District **Eureka** State **Kansas**  
 The above job was done under supervision of the owner, operator, or his agent whose signature appears below.

"Thank you"

*Brad Butler*  
Agent of contractor or operator

Sales Ticket for Materials Only

Quantity Sacks	BRAND AND TYPE	PRICE	TOTAL
125	sks. Regular - Class A cement	7.75	968.75
350	lbs. GACLZ 3%	.35	122.50
30	lbs. Floccs 1/4 lb. #4/sk.	1.00	30.00
1	8 5/8" Wooden Plug	40.00	40.00
	125 sks Handling & Dumping	.50	62.50
	587 Miles Mileage 20	.80	93.92
	Sub Total		1,787.67
	Delivered by Truck No. #16		
	Delivered from Eureka		
	Signature of operator Brad Butler		
	Sales Tax	6.3%	112.62
	Total		1,900.29