

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33209

Name: Penn Virginia Oil & Gas Corporation

Address 1: Seven Sheridan Square, Suite 200

Address 2: _____

City: Kingsport State: TN Zip: 37660 +

Contact Person: Jim Burns, Operation Manager

Phone: (423) 723-0230

CONTRACTOR: License # 32854

Name: Gulick Drilling Company, Inc.

Wellsite Geologist: None

Purchaser: None

Designate Type of Completion:

New Well _____ Re-Entry _____ Workover _____

_____ Oil _____ SWD _____ SIOW

Gas _____ ENHR _____ SIGW

_____ CM (Coal Bed Methane) _____ Temp. Abd.

_____ Dry _____ Other _____

(Core, WSW, Expl., Cathodic, 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: _____ Plug Back Total Depth

_____ Commingled _____ Docket No.: _____

_____ Dual Completion _____ Docket No.: _____

_____ Other (SWD or Enhr.?) _____ Docket No.: _____

11/04/2003 11/10/2003 11/22/2003

Spud Date or _____ Date Reached TD _____ Completion Date or
Recompletion Date _____ Recompletion Date

API No. 15 - 017-20847-0000

Spot Description: _____

NW4 - NE4 - _____ Sec. 27 Twp. 21 S. R. 6 East West

600 Feet from North / South Line of Section

1900 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

County: Chase

Lease Name: Mercer 27-2 Well #: 2

Field Name: _____

Producing Formation: Rowe and Riverton Coals

Elevation: Ground: 1325 Kelly Bushing: 1333

Total Depth: 3550 Plug Back Total Depth: 3531

Amount of Surface Pipe Set and Cemented at: 229 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.

API - Dlg - 4/25/09

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: Dispose of Drilling Fluids in Mercer 24-4-4SWD Docket # D-28,253

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: Jim Burns

Title: OPERATIONS MANAGER Date: 4/20/2009

Subscribed and sworn to before me this 20th day of April

20 09

Notary Public: Libson

Date Commission Expires: 8-19-2009

KCC Office Use ONLY

N

Letter of Confidentiality Received

If Denied, Yes Date: _____

Wireline Log Received

_____ Geologist Report Received

_____ UIC Distribution

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Operator Name: Penn Virginia Oil & Gas Corporation Lease Name: Mercer 27-2 Well #: 2
 Sec. 27 Twp. 21 S. R. 6 East West County: Chase

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	Ft Scott LS	2718	1385
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Cherokee Group	2732	1399
		Mississippian	3330	1997

List All E. Logs Run:
Density, Neutron, Induction

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	229'	A	165	3% CaCl ₂
Production	7 7/8"	5 1/2"	15.5	3532	A	200	4% Gel, 8# Cal Seal 2% CaCl ₂ , 4# Kol Seal

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
1	3128-3131; 3164-3166; 3169-3172; 3176-3178; 3181-3183; 3193-3206	50,000 LB Sand, 857 BW, 1000 Gal 15% Acid	3128-3206

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TUBING RECORD:	Size: <u>2 3/8"</u>	Set At: <u>3381</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	KCC WICHITA
Date of First, Resumed Production, SWD or Enhr. <u>02/01/2004</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i>				
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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input checked="" type="checkbox"/> Commingled <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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4/22/09

**BLUE STAR
ACID SERVICE, INC.**

PO Box 103
Eureka, Kansas 67045

Printing Ticket
and Invoice Number

No 5093

Date 11-5-03	Customer Order No.	Sect. 27	Twp. 21S	Range 6E	Truck Called Out 9:30 PM	On Location 12:15 AM	Job Began 1:30 AM	Job Completed 1:45 AM
Owner PENN-VIRGINIA OIL & GAS CORP.		Contractor Gulick Delg. Co.			Charge To PENN-VIRGINIA OIL & GAS CORP.			
Mailing Address 3550 E. Stone DR. Ste # 110		City Kingsport			State TN. 37660			
Well No. & Form MERCER 27-2-2		Place CHASE			State KANSAS			
Depth of Well 233'	Depth of Job 233'	Casing <input checked="" type="radio"/> New <input type="radio"/> Used	Size 8 5/8	Weight 23#	Size of Hole Amt. and Kind of Cement 12 1/4 165 SKS	Cement Left in casing by	<input type="radio"/> Request <input checked="" type="radio"/> Necessity	30' feet
Kind of Job SURFACE					Drillpipe	<input checked="" type="radio"/> Rotary <input type="radio"/> Cable	Truck No. #21	

Price Reference No.	# 1
Price of Job	425.00
Second Stage	
Mileage	507 112.50
Other Charges	
Total Charges	537.50

Remarks **Safety Meeting: Rig up to 8 5/8 CASING. BREAK Circulation with 10 BBL Fresh water. Mixed 165 SKS Regular Cement with 3% CaCl2, 1/2 # Flocele per/sk @ 14.8 # per/gal yield 1.18. Shut down. Release Plug Displace with 13.5 BBL Fresh water. Shut casing in. Good Cement Returns to SURFACE = 8 BBL Slurry = 38SKS. Job Complete. Rig down.**

Cementer **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
165 SKS	Regular Class "A" Cement	7.75	1278.75
465 #	CaCl2 3%	.35	162.75
82 #	Flocele 1/2 # per/sk	1.00	82.00
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2	8 5/8 x 12 1/4 Centralizers	37.50	75.00
1	8 5/8 Cement Basket	153.00	153.00
1	8 5/8 Wooden Plug	45.00	45.00
	165 SKS Handling & Dumping	.50	82.50
Plugs	7.75 TONS Mileage 50	.80	310.00
	Sub Total		2,726.50
	Delivered by Truck No. #22	Discount	
	Delivered from EUREKA	Sales Tax	6.3% 171.77
	Signature of operator <i>Kevin McC</i>	Total	2898.27

**BLUE STAFF
ACID SERVICE, INC.**

PO Box 103
Eureka, Kansas 67045

Cementing Ticket
and Invoice Number

No 5125

Date 11-10-03	Customer Order No.	Sec. 27	Twp. 215	Range 6E	Truck Called Out 12:30 pm	On Location 2:30 pm	Job Began 3:00 pm	Job Completed 4:20 pm
Owner PENN-VIRGINIA OIL & GAS CORP.		Contractor Gulick Drilg. Co.			Charge To PENN-VIRGINIA OIL & GAS CORP.			
Mailing Address 2550 E. Stone Dr. Ste #110		City Kingsport			State TN. 37660			
Well No. & Form Mercer #27-2-2		Place		County Chase		State KANSAS		
Depth of Well 3550'	Depth of Job 3532'	Casing <input checked="" type="checkbox"/> New <input type="checkbox"/> Used	Size 5 1/2	Weight 15.50	Size of Hole Amt. and Kind of Cement 7 7/8 200 SKS	Cement Left in casing by	Request Necessity 0' feet	
Kind of Job Longstring					Drillpipe	<input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Cable		Truck No. #21

Price Reference No.	# 1
Price of Job	665.00
Second Stage	
Mileage 50 >	112.50
Other Charges	
Total Charges	777.50

Remarks **Safety Meeting: Rig up to 5 1/2 casing. Break Circulation with 10 Bbl fresh water. Mixed 200 SKS Thick Set Cement with 4# Kol-Seal per/sk @ 13.6# per/gal. (yield 1.67) Shut down. Wash out Pump & Lines. Release Plug. Displace with 84.5 Bbl fresh water, FINAL Pumping Pressure, 850 psi. Bump Plug to 1375 psi. Wait 4 minutes. Release Pressure. Float Held. Shut casing in @ 0 psi. Good Circulation AT ALL times while Cementing. Job Complete 4:20 am 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
200 SKS	Thick Set Cement	10.75	2150.00
800 #	KOL-SEAL	.30	240.00
5 Hrs	80 Bbl VAC TRUCK	65.00	325.00
1	Load City water	20.00	20.00
2	5 1/2 Cement BASKETS	106.00	212.00
5	5 1/2 x 7 7/8 Centralizers	28.00	140.00
1	5 1/2 AFU FLOAT Shoe	160.00	160.00
1	5 1/2 Top Rubber Plug	40.00	40.00
	200 SKS Handling & Dumping	.50	100.00
	9.4 TONS Mileage 50	.80	376.00
	Sub Total		4,540.50
	Discount		
	Delivered by # 22		
	Delivered from EUREKA		
	Signature of operator Kevin McCoy	6.3%	286.05
	Total		4,826.55

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