## KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1 September 1999 Form must be Typed

## WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

	API No. 1501720840 -00-00 ORIGINAL
Operator: License # 33209	
Name: Penn Virginia Oil & Gas Corporation	County: Chase
Address: 2550 E. Stone Dr., Suite 110	100015 15
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	Lease Name: <u>ODLE 23-12</u> Well #: <u>1</u>
Wellsite Geologist:	Field Name:
Designate Type of Completion:	Producing Formation: Pennsylvanian Coals
V Now Well De Enter Medicine	Elevation: 1384.1 Kelly Bushing: 1392.8
X New Well Re-Entry Workover	Total Depth: 3410 Plug Back Total Depth 3304
OilSWDSIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 210 Feet
_X_GasENHSIGW	Multiple Stage Cementing Collar Used?  Yes X No
DryOther (Core, WSW, Expl., Cathodic, etc.)	If yes, show depth setFeet
	If Alternate II completion, cement circulated from
	spon from depth to w/ sx cmt.
Operator:	Delline Fluid Managed Plan 11.24.05
Wel IName: NOV 2 0 2003	Drilling Fluid Management Plan (Data must be collected from the reserve pit)
Original Comp DateOriginal Total Depth	
DeepeningRe-PerfCONV. TO Enhr./SWD	Chloride contentppm. Fluid volumebbls
Plug BackPlug Back Total Dept	Dewatering method used Will dispose of drilling fluid in Mercer 26-4-4 (API No. 15-017-20953) upon approval of
Commingle Docket No.	KCC to inject.
Dual Completion Docket No.	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No.	Operator Name:
	Lease Name: License No:
06/30/2003         07/14/2003         10/17/2003           Spud Date or         Date Reached TD         Completion Date or	Quarter: Sec TwpS R East West
Recompletion Date Recompletion Date	County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, workover or information of side two of this form will be held confidential for a period of 1 (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of a	12 months if requested in writing and submitted with the form all wireline logs and geologist well report shall be attached with this form. th all plugged wells. Submit CP-111 form with all temporarily abandoned wells.
Signature: Ruhand Wolffeld	KCC Office Use ONLY
itle Operations Manager Date: 11 - 13 - Que	Letter of Confidentiality Attached
Subscribed and sworn before me this /3th day of November 1	If Denied, Yes Date:
2003.	Wireline Log Received
Notary Public: Tagan Drugg	Geologist Report Received
Date Commission Expires: 2-28-2006	UIC Distribution
"incoi	WTY . This
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## Side Two

ORIGINAL

Operator Name: Penn	Virginia Oil	& Gas	Corporation	onn	Le:	ase Name:	ODLE 2	3-12	Well #: <u>1</u>	
Sec. <u>23</u> Twp. <u>21S</u>	R <u>06E</u>	X	East	West	Co	unty: Cha	se	APIT	15-017-208	840-00-00
NSTRUCTIONS: Show ested, time tool open a emperature, fluid reco electric Wireline Logs:	and closed, very, and flo	flowing ow rates	and shuts if gas to	in pressure surface tes	es, whether s st, along with	shut-in pres	sure read	hed static leve	el, hydrostatic pressu	res, bottom hole
Orill Stem Tests Taken				Yes	X No	X	Log For	mation (Top),	Depth and Datum	Sample
(Attach Additional S	Sheets)					Name			Тор	Datum
amples Sent To Geol	ogical Surve	€v		Yes	X No	Lansii	na		2051'	-660'
ores Taken		•				i i	Kansas Ci	ty	2486'	-1095
			_ X		No	Chero	kee		2788'	-1397'
lectric Logs Run (Submit Copy)			×	Yes	No	Basai	Penn. Ss.		3354'	-1963'
ist All E. Logs Run:	CBL, GR, C Cu <i>cho</i>	CL							RECEIVED AS CORPORATION COMM NOV 2 0 2003	
								C	ONSERVATION DIVISION WICHITA, KS	٧
		_			G RECORD		lew	Used		
Purpose of String	Size Hole Drilled	Size	eport all s Casing (In O.D)	strings set- Weigh Lbs./F	nt Sett	ting	Type of Cement	production, et # Sacks Used	Type an	d Percent
Surface	12 1/4"	†	5/8"	23	21		CIA	150	3% CaCl2	iuves
Intermediate									0,0 0,0 0,0	
Production	7 7/8"	5	1/2"	15.5	339	91	CI A	180	4% gel, 8#/sk CalS 4#/sk KolSeal	eal, 2% CaCl2,
			P	ADDITIONA	L CEMENTI	NG / SQU	EEZE REC	CORD		
Purpose: Perforate		pth ottom	Type o	f Cement	# Sack	s Used		Т	ype and Percent Add	litives
Protect Casing Plug Back TD Plug Off Zone										
Shots Per Foot				- Bridge Plu h Interval P	ugs Set/Type			Shot, Cement	Squeeze Record	Depth
2	3298-3303	, 3272-	75, 3265-	69, 3255-5	9	250 gal. 16/30 sa		d, 300 BW, 280 MS	SCF N2, 30000 lbs	
3	3212-16, 3						15% HCL acid	d, 215 BW, 225 MS	SCF N2, 21000 lbs	
JBING RECORD	Size		Set At 3100	Packe	r At	Liner		Yes X N	ło	
Date of first, Resumero	d Production	, SWD	or Enhr.	Pro	oducing Meth		Flowing	X Pumping	Gas Lift	Other (Explain)
Estimated Production Per 24 Hours	Oil	Bbl	s G	as Mcf	Wate		- [	as-Oil Ratio	Grav	
Disposition of Gas	MET	HOD C	OF COMP	LETION			Produ	ction Interval		
		sed on			Open Hole	x	Perf.	Dually Comp	. X Commingled	
(If Vented, S					Other (Spe					

## API#15-017-20.840-00-00 BLUE STAR ACID SERVICE, INC.

PO Box 103 Eureka, Kansas 67045

Cementing Ticket and Invoice Number

Date	Customer Order No.	Sect Twp.	Range 1	ruck Called Out On Locati	1000 0000	Job Completed
7-14-03 wner	<u> </u>	23 21 Contractor	16	1:30pm 3.	Opm 5:3	Юрт 1 <i>6:10</i> рм
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Penn - Vilgi	inia Oil & Gas Conf	. City	ulick 1	Sta	PENN- Virg	inia Oil & Gas (
TATOO "	· ~ ~ ^		<i>y</i> .	_		110
2550 F ell No. & Form	Stone Dr., Suite /	10	Kingsport	County	1 N 376	<u>,6U</u>
	J			Chase	L	ansas
ODLE apth of Well	23-12-1 Depth of Job	E (New) Size _	51/2"	- 6/	Cement Left	N
3410	739,	Size Used Weight.	15.5	Size of Hole 7% Amt. and Kind 180.5	Cement ren	Nocessity 0
nd of Job				Drillpipe	/ (Rotary)	
	LongsTring			Tubing	(Cable ) T	ruck No
	7.7	C 0	<del></del>	7 cu.		
			<i>I</i>	! Rig up To 51/2" cas	<b>9</b> 7	
ce Reference No.		20 Bbs	reprises.	Mixed 180 sks	Thickset comed	- 4 4 PYSKOJ KO
	645.00	mixed 1	5 16 PYEA	& ShuTdown wa	shout Rims & A	ines. Release P
e of Job	66.00	Displace	Phy with	8014 Bble Siesh wa	Tev	
cond Stage		Final A	umping of	600 PSI - Bun	ed Plug To 10	100 PSI
eage	112.50		1 / _	lease Plassure To c		Float Held
•		*		with OPSI		H
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<del></del>				7/2017	T 1 /	
	Brad Butter			Job complete-	ITW CIOWN	
		"Thank You"	,		KINH	Agent of contractor or ope
		Sales	Ticket for M	laterials Only		
Quantity Sacks		BRAND AND	TYPE		PRICE	TOTAL
180	SKS. Thick set	Cement			10.75	- 1935.00
720		FAL 4/bs. Pa/	'er		,30	216.00
	1100	-/1				
******		<del> </del>	V41104	RECEIVED	<del> </del>	
.5	Hrs. 80 Bbl. VI	10 - 11 # 17	NANSA:	S CORPORATION COMMISSION	10.00	700 00
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	Load City wa	15		1101 2 0 2000	20.00	20.00
·		<del></del>	ec	NSERVATION DIVISION		
	F1/ " :			WICHITA KS		
6_	51/2" Centraliz		<del> </del>	T	28.00	
_2_	51/2" Cement	BaskeTs		·	106.00	212.00
	5/a" AFU Floo	oT shoe	<del></del>	· · · · · · · · · · · · · · · · · · ·	160.00	160.00
	542" Top Rubb	u Plug			40.00	40.00
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			·			
				180.5Ks, Handling & Dum	ping .50	90.00
)\$				99 Tan Mileage 50	.80	396.00
				Sub Total		4314.50
	Delivered by #/6 Truck No.			Discount		
	Delivered from Eweka	<del></del>		Sales Tax	63%	27181
	Signature of operator	172 11		*	1 600	400/21

AC	BLUE STA		′ •		PO Eureka, I	20845-00-00 20840-0 Box 103 Kansas 67045	Cementin and Invoice	Number		483	9
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3-14-03 wner	<u> </u>		Co	ntractor		7.00	Charge		9.10		30
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