

west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, S.E. Charleston, WV 25304 (304) 926-0450 fax: (304) 926-0452

Earl Ray Tomblin , Governor Randy C. Huffman , Cabinet Secretary www.dep.wv.gov

Wednesday, November 30, 2016 WELL WORK PERMIT Vertical / Plugging

CONSOL GAS COMPANY 1000 CONSOL ENERGY DRIVE

CANNONSBURG, PA 163176506

Re: Permit approval for 34601 47-001-03050-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0450.

lames A. Martin

Chief

Operator's Well Number: 34601

Farm Name: MAYLE, WILBERT E.

U.S. WELL NUMBER: 47-001-03050-00-00 Vertical / Plugging

Date Issued: 11/30/2016

Promoting a healthy environment.

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

- 1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
- 3. Well work activities shall not constitute a hazard to the safety of persons.

WW-4B Rev. 2/01

1)Date	, 2016
2)Operator's	
Well No. Wilbert E May	e #34601
3)API Well No. 47-	001 - 03050

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

	APPLICATION FOR A PER	MIT TO PLUG AND ABANDON
4)	Well Type: Oil/ Gas x/ Liqui (If "Gas, Production x or Un	d injection/ Waste disposal/ derground storage) Deep/ Shallowx
5)	Location: Elevation District Pleasant	Watershed Taylor Drain County Barbour Quadrangle Philippi
6)	Well Operator Consol Gas Company Address 1000 Consol Energy Drive	7) Designated Agent Anthony Kendziora Address 1 Dominion Drive
	Canonsburg, PA 15317	Jane Lew, WV 26378
8)	Oil and Gas Inspector to be notified Name Kenneth Grenolds	Name Coastal Drilling East LLC
	Address 613 Broad Run Road Jane Lew, WV 26378	Address 70 Gums Springs Road Morgantown, WV 26508
	Please see attached pages.	
Noti work	fication must be given to the district of can commence.	il and gas inspector 24 pontando de permitted Office of 019 2016
Work	order approved by inspector Innul	WV Department of -/6 WV Department of -/6 Environmental Protection

Plugging Work Order for Permit 47-001-03050

CNX Gas - #34601

- 1. Blow well down
- 2. TIH w/2-3/8" workstring to TD ~4080' OR PBTD,
- 3. Load hole w/6% gel.
- Pump 500' cement plug from TD to 3580' to cover Benson perfs at 3916'-3930' (~8bbl cement + displacement)
- 5. Pull workstring to ~3200'
- 6. Pump 500' cement plug from 3200' to 2700' to cover Balltown perfs at 3032'-3040' and Speechley perfs at 2910'-2920' (~8bbl cement + displacement)
- 7. TOOH w/workstring
- 8. Run wireline in hole and split shot collar at 680' (TOC ~760')
- 9. TOOH w/wireline, pull 4-1/2" casing
- 10. TIH with 2-3/8" tubing to 680'
- 11. Cement to surface.
- 12. Install 6" x 14' monument (10' below grade, 4' above grade) API 47-001-03050

Work Order approved by Inspector _

, .

Note: All cement will be Class A. All spacers between plugs will be 6% gel.

RECEIVED
Office of Oil and Gas

NOV 0 9 2016

WV Department of Environmental Protection

Tof ROV 1 1/3 (Of State of West Virginia

WV Department of Environmental Protection

Office of Oil and Gas

Well Occurred Page 1 of ROV 1 2, 2009

Signed:

By: Rodney J. Biggs

Lease No: 083128

API No: 47-001-03050

DATE:

103050P

Farmerame: MAYLE, WILBE	RT E.	Operator	Well No. 34	1601	
LOCATION: Elevation: 1335.9	14'	Q	uadrangle: P	hilippi	•
District: Pleasant		Count	y: Barbour		
Latitude: 830	Feet South of: 3		12 Min.	30 Sec.	
Longitude: 2,430	Feet West of: 8		02 Min.	30 Sec.	
Company: Dominion Explor	ation & Production	Inc.	·		
		Casing and	Used in	Left in well	Cement fill
		Tubing	drilling	Lett III wes	up Cu. Ft.
Address: P.O. Box 1248		- Adving	- CALIFICATION		ap cu. Ft.
Jane Lew, WV 263	78				
Agent: Rodney J. Biggs			 		
Inspector: Bryan Harris					
	1/2009	 	 		
Date Well Work Commenced:	8/10/2009	13 3/8"	31'	31'	Sand In
Date Well Work Completed:	8/19/2009	13 3/6		31	28WO YII
Verbal Plugging:	0/17/2007	9 5/8"	576'	576' -	170 sks
Date Permission granted on:		7.576	370	370	170 SKS
	Rig	7"	1112'	1112'	170 -1
Total Depth (feet): 4,360		 	1112	1112	170 sks
Fresh Water Depth (ft.):	130'	4 1/2"	4077'	4077'	265 -1
Salt Water Depth (ft.): 1508',		4 1/2	4077	40//	265 sks
Is coal being mined in area (N/V					
Coal Depths (ft.): 135'-138', 395		 			
					
Oil Depths (ft.):	N/A	1	1		
<u>OPEN FLOW DATA</u>					
SPEECH	ILEY			28	94'-2904'
BALLT	OWN				16'-3024'
Producing formation RILEY			Pay zone	e depth (ft) 38	
	odor MC	PE//	Oll: Initial		0 Bb1/d
•		17d F/d		· —	
Time of open flow between			Fillai	open flow	
`	60 maga and mar 63 840				I LUMS
State lock Flessure		psig	(surface pres	sure) after	12 Hours
Second Producing formation			Pay zone	depth (ft)	
Clas. Hittiai obeit How	* M(CF/d	Oil: Initial o		* Bbl/d
Final open flow	• MC	CF/d	Final o	open flow	Bbl/d
Time of open flow between	n initial and final test	s			Hours
•	•		surface press	ure) after	* Hours
NOTE: ON BACK OF THIS FORM PUT T OR STIMULATING, PHYSICAL CHANGE	, etc. 2). The Well L	og which is a	SYSTEMATIC	DETAILED	

WELL: 34601 DEPI

8/19/2009 SUPERIOR RAN BOND LOG. TD - 4080'. TOC - 760'. SUPERIOR PERFED AND BJ FRACED AS FOLLOWS:

RILEY, 3896-3910', 24 HOLES, BD 3318#, AVG RATE 27 BPM, AVG PRESS 3298#, 171 BBLS, TOT SAND 30,000#, 550 MSCFN2, ISIP 2790#

BALLTOWN, 3016'-3024', 24 HOLES, BD 3780#, AVG RATE 24 BPM. AVG PRESS 3340#. I 13 BBLS, TOT SAND 25,000#, 340 MSCFN2, ISIP 3000#

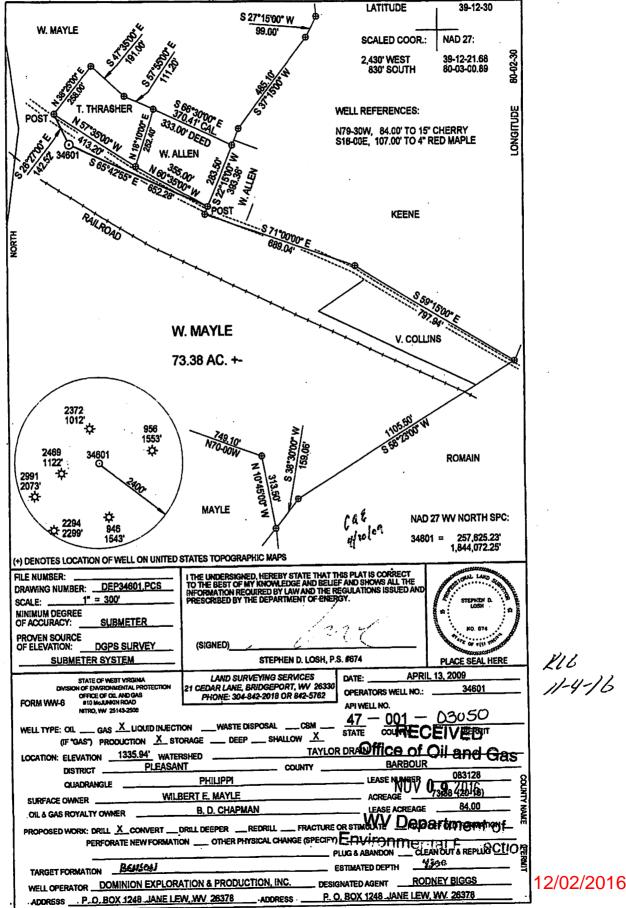
SPEECHLEY, 2894'-2904', 21 HOLES, BD 37458, AVG RATE 24 BPM, AVG PRESS 3148#,

142 BBLS, TOT SAND 25,000#, 310 MSCFN2, ISIP 2650#

2 OF 2 FRAC BALLS RETURNED DURING FLOWBACK. HAD TO SHUT IN WELL AT 4AM ON THURSDAY MORNING SO PIT COULD BE PUMPED. WILL ATTEMPT TO KNOCK OUT BAFFLES AND CLEAN UP WELL.

Fill	0	3
Sand&Shale	3	15
RedRock	15	20
Sand	20	50
Sand&Shale	50	135
Cosl	135	138
Sand&Shale	138	366
U Kit	366	370
Interval	370	395
Cost	395	397
Clay	397	416
interval	416	440
Coal	440	444
Interval	444	480
Clarion	480	485
Sand	485	608
Shell	608	698
Sand/Shale	698	1015
RedRock	1015	1035
Sand	1035	1060
Sand@Shale	1060	

2010023HER			
	GAMMA		
	<u>RAY.</u>		!
	<u>FORMATION</u>		
DEPI #34601	<u> 70P8</u>		47-001-03050
	TOP	RARE	
LITTLE LINE	1174	1192	
BIG LIME	1220	1312	
KEÉNÉR	1319	1330	
BIG INJUN SAND	1334	1434	
GANTZ	1588	1613	
FIFTY FOOT	1860	1703	
GORDÓN	, 1800	2002	
FOURTH SAND	2030	2072	
FIFTH SAND	2096	2165	
BAYARD	2184	2225	
SPEECHLEY	2895	2910	
BALLTOWN	3018	3023	
BRADFORD	3338	3420	
FAULT	3740		
RILEY	3796	3916	
BENSON	4130	4180	
LTD		4333	



11-4-16



WW-4A Revised 6-07

Date: Operator's Well Number	er		
Wilbert E Mayle #34601			
2) ADI Well No : 47	001	03050	

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

			ON TO PLUG AN	ND ABANDON A WE	<u>LL</u>
	vner(s) to be served	: 5)	(a) Coal Operator		
(a) Name	Wilbert E. Mayle		Name		
Address	253 Arden Road	/	Address		
	Philippi, WV 26416				
(b) Name		(b) Coal Owner(s) with Declaration		n	
Address			Name	CoalQuest Development LLC c/o C	Chuck Duckworth Arkland Northern Appalachia
			Address	100 Tygart Drive	
				Grafton, WV 26354	/
(c) Name			Name	Na r Transcription	
Address			Address		
6) Inspector	Kenneth Grenolds		(c) Coal Les	see with Declaration	
Address	613 Broad Run Road		Name		
- M. M Margin	Jane Lew, WV 26378		Address		
Telephone	304-206-6613				
(2) The The reason However, Take notic accompany Protection, the Applic	you are not required to take that under Chapter 22-6 ying documents for a permi , with respect to the well at	howing the well location that you have right any action at all. of the West Virginia Cooffit to plug and abandon at the location described of the mailed by registered of the mailed by registered.	ghts regarding the applicate, the undersigned well well with the Chief of the on the attached Application or certified mail or del	operator proposes to file or has e Office of Oil and Gas, West V on and depicted on the attached	the instructions on the reverses side. filed this Notice and Application and Virginia Department of Environmental Form WW-6. Copies of this Notice, on named above (or by publication in
			Consol Gas Company		
		By: Its:	VP Operations E&P	Craig Neal	
		Address		drivo	
		Address	1000 Consol Energy D		
		Tolonhana	Canonsburg, PA 1531		
		Telephone	1-724-485-3116	-OFIM	FD
Subscribed and	sworn before me t		ay of Octob	HEGELVI OF Oil S	411
		herly		MMONWEATH OF REMN	AT PAULIN
My Commission	n Expires	May 13, 200)	For A Figherty Notary	Public - t Cf
Oil and Gas Priva	acy Notice		My	Cecil Twp., Washington,	Gennani (101)
200 200 200 200			MEMA	ER. PENNSYLVANIA ASSOCIATION	Durine TAN CO

The Office of Oil and Gas processes your personal information, such as name, address in the number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyoffier@wv.gov.

WW-9 (2/15)

API Number 47 - 001	_ 03050
Operator's Well No.	Wilbert E Mayle #34601

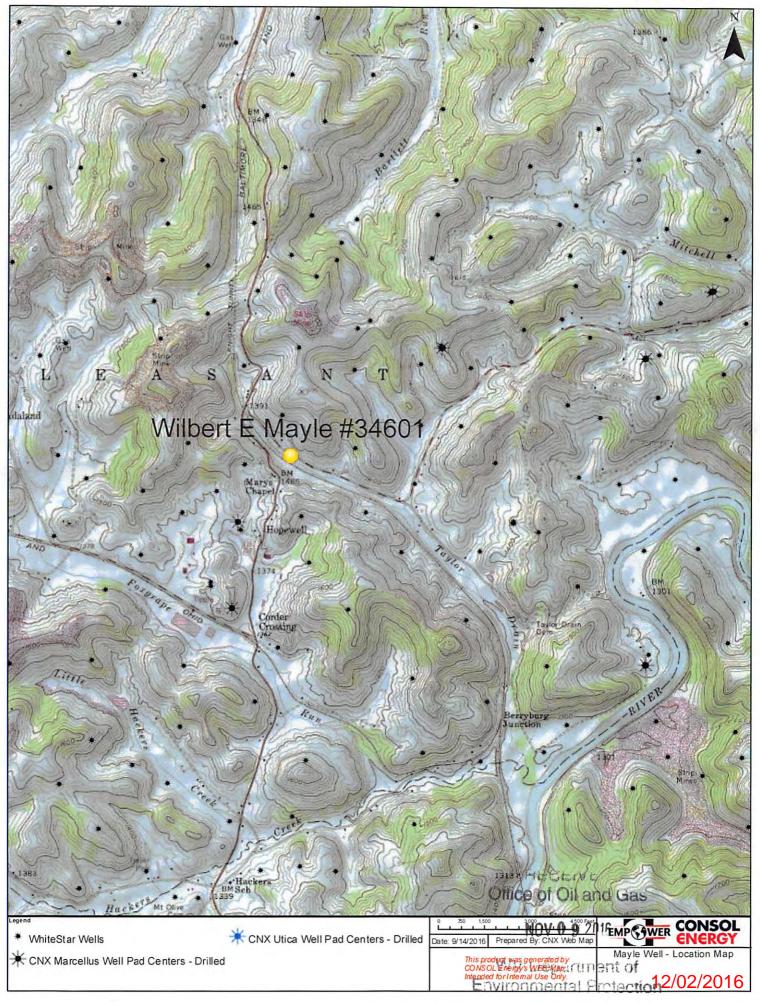
STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Consol Gas Company	OP Code 494495754
Watershed (HUC 10)_Taylor Drain Q	uadrangle Philippi
Do you anticipate using more than 5,000 bbls of water to complete the	proposed well work? Yes No V
Will a pit be used? Yes No	
If so, please describe anticipated pit waste: N/A	
Will a synthetic liner be used in the pit? Yes No _	If so, what ml.? N/A
Proposed Disposal Method For Treated Pit Wastes: Land Application Underground Injection (UIC Permit Numb Reuse (at API Number Off Site Disposal (Supply form WW-9 for of Other (Explain	
Will closed loop system be used? If so, describe: N/A	
Drilling medium anticipated for this well (vertical and horizontal)? Ai	r, freshwater, oil based, etc. N/A
-If oil based, what type? Synthetic, petroleum, etc	
Additives to be used in drilling medium? N/A	
Drill cuttings disposal method? Leave in pit, landfill, removed offsite,	etc. N/A
-If left in pit and plan to solidify what medium will be used?	(cement, lime, sawdust)
-Landfill or offsite name/permit number?	
Permittee shall provide written notice to the Office of Oil and Gas of at West Virginia solid waste facility. The notice shall be provided within where it was properly disposed.	
on August 1, 2005, by the Office of Oil and Gas of the West Virginia I provisions of the permit are enforceable by law. Violations of any te law or regulation can lead to enforcement action.	rm or condition of the general permit and/or other applicable ned and am familiar with the information submitted on this y inquiry of those individuals immediately responsible for curate, and complete. I am aware that there are significant
Company Official (Typed Name) Craig Neal	
Company Official Title VP Operations E&P, Consol Gas Company	RECEIVED
Company official Title	Office of Oil and Gas
Subscribed and sworn before me this 7th day of Oct	Not W Vullenartmen* of
	NOTARIAL SEAL TOTAL PROTECTION
My Co	NOTARIAL SEAL Ve A. Flaherty, Notary Public acil Twp., Washington County ommission Expires May 13, 2020 PERNS /LVANIA ASSOCIATION OF NOTARIES

	ny		
Proposed Revegetation Treati	ment: Acres Disturbed le	ess than 1 acre Prevegetation p	Н
Lime 2-3	Tons/acre or to corre	ect to pH	
Fertilizer type 10-2	20-20 or equivalent		
Fertilizer amount 50	00	lbs/acre	
Mulch_ hay or stra	aw 2	_Tons/acre	
		Seed Mixtures	
Ter	mporary	Perm	anent
Seed Type	lbs/acre	Seed Type	lbs/acre
Tall Fescue	40	Tall Fescue	40
Landino Clover	5	Landino Clover	5
	ved 7.5' topographic sheet.		
Plan Approved by:		resk	
		AND MUICH ASAP	
Plan Approved by: Comments: No Pr		AND MUICH ASAP	
Comments:	CLAM, SHID	AND MUICH ASAP	
No Pr	CLAM, SHID	AND MUICH ASAP	DECENTO
No Pr	PLICATION	AND MULCH ASAP	RECEIVED

WV Department of Environmental Protection





West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION FORM: GPS

WELLL	OCATION FORM. G	13
_{API} : 47-001-03050	WELL NO	.34601
FARM NAME: Wilbert E		
RESPONSIBLE PARTY NAMI	E: Craig Neal	
	DISTRICT: F	Pleasant
QUADRANGLE: Philippi		
SURFACE OWNER: Wilber	rt E. Mayle	
ROYALTY OWNER:		
UTM GPS NORTHING: 4340	0078.77m	
UTM GPS EASTING: 58202	21.32m GPS ELEV	ATION: 409.14m = 1342
preparing a new well location plat above well. The Office of Oil and the following requirements: 1. Datum: NAD 1983, Zo height above mean sea 2. Accuracy to Datum – 3 3. Data Collection Metho Survey grade GPS: Post	Gas will not accept GPS coordinate Units: level (MSL) – meters. 3.05 meters d:	nates that do not meet
Real	-Time Differential	
Mapping Grade GPS X: Po	ost Processed Differential X	RECEIVED
	eal-Time Differential	Office of Oil and Gas
4. Letter size copy of the I the undersigned, hereby certify the belief and shows all the information prescribed by the Office of Oil and Weal	on required by law and the regul	e well location. my kn Woledg 0 2016 ations issued and WV Department of
Signature	Title	Date

Consol Gas Company Craig Neal 1000 Consol Energy Drive Canonsburg, PA 15317

West Virginia Department of Environmental Protection Office of Oil and Gas 601 57th Street, SE Charleston, WV 25304

Plugging Permit Application – Well "Wilbert E Mayle #34601" API# 47-001-03050

Dear Sir or Madam,

Enclosed is the plugging permit application for the above referenced well.

If any further information or correspondence is required, please contact Erika Whetstone at (724) 627-1492 or ErikaWhetstone@ConsolEnergy.com.

Craig Neal

Office of Oil and Gas NOV 0 9 2016 WV Department of Environmental Protection

