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

## AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name:	ROY L.	LEWIS, I	ET AL		Operato	or Well N	lo.:_T	erra Alta	7377	46	
LOCATION:	Elevation	2226'			Quadr	angle:	Terra	a Alta, WV			
		Portland			Count	r	res				
				South of		-		Min. 30	Sec.	_	
	Longitude	<sub>e:</sub> 7639	Feet	West of	79	Deg. 32	2	Min. 30	Sec.		
Well Type: C	M	GAS X									
		Gas Transm		Coal Or	ountou	Not open	ntod				
Company		Corkle Avenue		Coal Op or Owne		Not opera	ated				
	Charleston	, WV 25314								RECE	næn
54				Coal O	erator					Office of Oi	l and Gas
Agent	Maria Me	Maria Medvedeva			or Owner					HIAL	າ າຄາາ
Permit Issue	d Date	03.22.20	22							JUN '	1 2042
STATE OF WI	ST VIRGI	NIA		A	FFIDAV	IT				WV Depar Environmenta	tment of Il Protection
County of Kanas		ss:									
			0. 0.								
Maria Medvede			Steven Sim		1 5.00		_	•		ng to law depo	
	and partici <sub>l</sub>	pated in the	work of plu	ugging and	d filling t	the above	e well		d work was	the above nam s commenced ner:	
TYPE	FROM		TC		PIPE REMOVED			)	LEFT		
15.6 ppg Class A Cem	ent	5822	5241			N/A			opeho	ole	
15.6 ppg Class A Cem	ent	5241	4600	)		N/A					See
Cast Iron Bridge Plu	ıg -	4600	4600	)		N/A			7"		additional
15.6 ppg Class A Cem			2013 1600		N/A			7" 7", 8-5/8"		plugging	
15.6 ppg Class A Ceme					N/A						data.
15.6 ppg Class A Ceme		1600	409			7"			8-5/8		
15.6 ppg Class A Ceme	ent	409	300		_	7"			8-5/8", 10	)-3/4"	]
Description o						er affixed		_ and that th	e work of pl	ugging and fillir	ig
And further d	eponents s	saith not.	Steve	r Sim	mons	e.				SORY S LARCH Public Official Seal	7
¥			Mil	ruis	0			1700	My Comm.	of West Virginia Expires Jul 20, 2025 C ENERGY Charleston WV 2531	
Sworn and s	ubscribe be	efore me this	s <u>  19</u> da	y of H	ay	, 20	<u>22</u>	_			
My commission	expires:	1/20/20	25	(	_	Nota	N Pu	blic			
Affidavit reviewe	ed by the O	ffice of Oil a	ind Gas:	June	11	m &	)	Title:	INSPECT		01101555
				1 /	/	6/2/12	077		•	Ω	6/10/2022

## Terra Alta 7377 Additional Plugging Data (API 47-077-00033-0000)

TYPE	FROM	ТО	PIPE REMOVED	LEFT				
15.6 ppg Class	300	22	7", 8-5/8"	10-3/4"				
A Cement								
15.6 ppg Class	22	0	7", 8-5/8"	10-3/4", 13-3/8" *				
A Cement								
		* Note	e - topped off all annuluses	with cement from surface				
	** Note – refer to attached wellbore diagram for additional wellbore details							
			-					
				RECE Office of O				
				Office of O				
				JUN				
				WV Depa Environment				
				Environment				

~ not to scale ~ **TERRA ALTA 7377** Prior to P&A (as of 01/19/2022) 13-3/8" H-40 48# csg @ 22' (no record of cement) Lime formation Water show @ 180' of 1/2 bailer/hr Water show @ 270' of 2 bailers/hr Water show @ 360' of 10 bailers/hr 10-3/4" J-55 40.5# csg @ 409' (no record of cement) Sea Level @ 2234 ft Shale / Lime / Sand 8-5/8" J-55 24# csg @ 2013' (no record of cement) RECEIVED Office of Oil and Gas Tully Lime 4666 - 4695' 7 2022 Cement top unknown WV Department of Environmental Protection Shale / Lime / Sand 7" 23# J-55 csg @ 5241' Lime 5226 - 5248' (no record of cement - 1953 completion report indicates 367 Chert 5248 - 5363' bags of cement purchased - no record of where it was used) Shale 5363 - 5428' Onodaga Lime 5468 - 5485' Chert 5485 - 5629' Shale 5629 - 5680' Oriskany 5680 - 5820' (gas storage) \* water show at 1/2 bailer in 24 hrs Helderberg Lime 5820 - 5822' TD 5822' 06/10/2022 ~ not to scale ~

## TERRA ALTA 7377 Post P&A

(as of 05/05/2022)

Sea Level @ 2234 ft

Lime formation

Water show @ 180' of ½ bailer/hr Water show @ 270' of 2 bailers/hr Water show @ 360' of 10 bailers/hr

Cement to surface, expected to also be at ~691' between 8-5/8" and 10-3/4" based on volume pumped

Shale / Lime / Sand

Tully Lime 4666 - 4695'

Shale / Lime / Sand

Lime 5226 - 5248'

Chert 5248 - 5363'

Shale 5363 - 5428'

Onodaga Lime 5468 - 5485'

Chert 5485 - 5629'

Shale 5629 - 5680'

Oriskany 5680 - 5820' (gas storage) \* water show at ½ bailer in 24 hrs

Helderberg Lime 5820 - 5822'

13-3/8" H-40 48# csg @ 22'

- No record of cement

Cut and pull 8-5/8" casing that is free from 300'

10-3/4" J-55 40.5# csg @ 409'

- No record of cement
- During the P&A found hard cement at surface

Cut and pull 7" casing from 1600' based on freepoint result.

Perforated and attempted to inject at 2200', 2100', 2000', 1900' and 1800'. No injection.

8-5/8" J-55 24# csg @ 2013' - No record of cement

Perforated and attempted to inject at 4560 and 4460', no injection.

Cast Iron Bridge plug @ 4600

CBL ran 04.13.2022 showed possible TOC at ~4650' with segments of bonded zones into the 8-5/8" casing. CBL ran on 04.21.2022 confirmed earlier interpretation through varying amplitude signature.

RECEIVED
Office of Oil and Gas

JUN 7 2022

WV Department of Environmental Protection

7" 23# J-55 csg @ 5241'

- No record of cement 1953 completion report indicates 367 bags of cement purchased no record of where it was used
- Volumetrically it would put TOC ~2311'

TD 5822'

06/10/2022