

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPPLICATE, 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: Shonk Land Company
LOCATION: Elevation: 1,406.2 ft
District: Sherman
Latitude: 14,242.4 Feet
Longitude: 12,897.0 Feet

Operator Well No.: 377
Quadrangle: Sylvester
County: Boone
South of 38 Deg. 07 Min. 30 Sec.
West of 81 Deg. 30 Min. 00 Sec.

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Office of Oil and Gas
DEC 10 2017
WV Department of
Environmental Protection

Well Type: OIL GAS X

Company: Panther Creek Mining, LLC.
3228 Summit Square Place
Suite 180
Lexington, KY 40509

Coal Operator Panther Creek Mining, LLC - Operator
or Owner _____

Coal Operator _____
or Owner _____

Agent: Gary E. Acord

Permit Issued Date: 05/10/2017

AFFIDAVIT

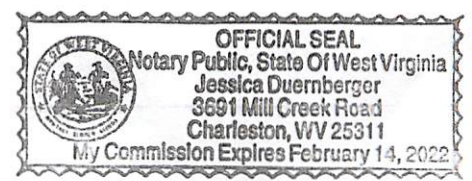
STATE OF WEST VIRGINIA,
County of Kanawha ss:

Jackie Lester and Anthony Stiltner being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and say that said work was commenced on the 21st day of June, 2017, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
CJ's Well Service Cleaned	Surface	3,000'	All 2 ^{7/8} " casing & 175' of 4 ^{1/2} " casing removed	3,004' of 4 ^{1/2} " casing left
True North Directional Service Directionally Milled	175'	210'	Milled on 9 ^{5/8} " and 4 ^{1/2} " casing and got back in 4 ^{1/2} " casing	371' of 9 ^{5/8} " casing left
Appalachian Well Elog Caliper	Collar	Indicator	Top coal 904' Bottom coal 911'	
Appalachian Well Perforated		16 Holes: 904'-911'	4 holes: 804', 854', 894', 899', 916', 921', 961', 1011', 1061', and 1111'	
CJ's Well Service Scarified	Surface	1,127'		
CJ's Well Service Ran Tubing	Surface	3,002.9'		
C&J Energy Services Cemented	3,000'	1,258'	177 sacks Class A Cement (1 st plug)	
C&J Energy Services Cemented	1,258'	1,120'	14 sacks Class A Cement (2 nd plug)	
C&J Energy Services Cemented	1,120'	790'	34 sacks Supertropic expanding cement (3 rd plug)	This well is plugged to 101c Standards
C&J Energy Services Cemented	790'	Surface	80 sacks Class A Cement (4 th plug)	

Description of monument: Erect monument with API# 47-039-00474 and that the work of plugging and filling said well was completed on the 30th day of August, 2017. Monument erected on September 19, 2017.

And further deponents saith not. Jackie Lester
Anthony Stiltner
Sworn and subscribe before me this 25 day of September, 2017
My commission expires: 2/14/2022
Jessica Duernberger
Notary Public



Affidavit reviewed by the Office of Oil and Gas: Shy Kewelsky
Title: Inspector

12/15/2017

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DEC 14 2017
WASHINGTON, DC

12/15/2017