

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47-085-09855 County RITCHIE District GRAST
Quad SCHULTZ 7 1/2 Pad Name BOWIE 7A Field/Pool Name BOWIE
Farm name DROUGLAS Well Number 7A
Operator (as registered with the OOG) LIPPIZAN PETROLEUM
Address P. O. BOX 98 City Ellenboro State WV Zip 26346

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing _____ Easting _____
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 993 GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine
Mud Type(s) and Additive(s) _____

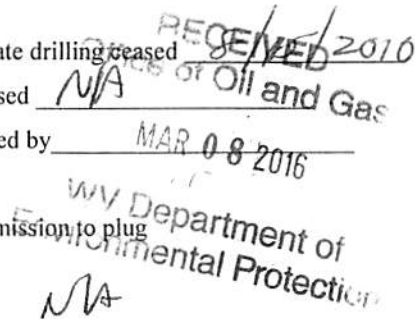
Date permit issued 02/22/2010 Date drilling commenced 6/03/2010 Date drilling ceased 8/26/2010
Date completion activities began N/A Date completion activities ceased N/A
Verbal plugging (Y/N) _____ Date permission granted _____ Granted by MAR 08 2016

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug
Freshwater depth(s) ft 20ft Open mine(s) (Y/N) depths N/A
Salt water depth(s) ft 820ft Void(s) encountered (Y/N) depths N/A
Coal depth(s) ft N/A Cavern(s) encountered (Y/N) depths N/A
Is coal being mined in area (Y/N) no

APPROVED
NAME: Jang Newlin
DATE: 11-14-17

Reviewed by: [Signature]

01/05/2018



API 47-080-09955 Farm name DOUGLAS Well number 7A

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/fl	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	15"	13	30ft	USED			PULLED
Surface		10 3/4"	302ft	USED	3 1/2" 1/2"		CTS YES
Coal							
Intermediate 1		8 5/8"	99ft	USED	2 3/16"		
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and depth set							

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor							
Surface	10"					CEMENT TO SURFACE	
Coal							
Intermediate 1	8 5/8"					CEMENT TO SURFACE	
Intermediate 2							
Intermediate 3							
Production							
Tubing							

Drillers TD (ft) 1720 ft. Loggers TD (ft) 1720 ft
 Deepest formation penetrated MAXTON SAND Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) _____

Check all wireline logs run
 caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS NOT COMPLETED
CAME IN NATURAL AT 900,000 FT. OF ORIGINAL PROTECTIN

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

RECEIVED
 Dept of Oil and Gas
 MAR 08 2016

API 47-055-09855 Farm name DOUGLAS Well number 7A

PRODUCING FORMATION(S)	DEPTHS
<u>MANTON SAND</u>	<u>1420</u> TVD _____ MD
_____	_____
_____	_____
_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface _____ psi Bottom Hole _____ psi DURATION OF TEST _____ hrs

OPEN FLOW Gas NATURAL 900,000 mcfpd Oil _____ bpd NGL _____ bpd Water 0 bpd GAS MEASURED BY Estimated Office Pilot

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
<u>SILT</u>	<u>0</u>	<u>45</u>	<u>0</u>		
<u>RED GRAY SAND</u>	<u>500</u>	<u>800</u>			<u>RED GRAY SHALE SAND</u>
<u>SILTSTONE</u>					
<u>AND SHALE</u>	<u>850</u>	<u>1200</u>			<u>SILTSTONE SHALE</u>
	<u>1200</u>	<u>1475</u>			<u>SAND AND SHALE</u>
	<u>1475</u>	<u>1520</u>			<u>SAND</u>
	<u>1520</u>	<u>1630</u>			<u>SILTSTONE STRINGER SAND</u>
	<u>1630</u>	<u>1695</u>			<u>SILTSTONE AND SAND</u>
	<u>1695</u>	<u>1720</u>			<u>SAND</u>

Please insert additional pages as applicable.

Drilling Contractor LIPPINAW PETROLEUM, INC
Address PO BOX 98 City Ellenboro State WV Zip 26346

Logging Company _____
Address _____ City _____ State _____ Zip _____

Cementing Company _____
Address _____ City _____ State _____ Zip _____

Stimulating Company _____
Address _____ City _____ State _____ Zip _____

Please insert additional pages as applicable.

Completed by Robert L Matthey Jr Telephone (304) 869-3418
Signature [Signature] Title UP Date 7-28-13

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

RECEIVED
Office of Oil and Gas
MAR 08 2016
WV Department of Environmental Protection

