

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

API 47-033-04878 County HARRISON District TEN MILE
Quad WOLF SUMMIT 7.5' Pad Name LYNCH, HIRAM Field/Pool Name WOLF SUMMIT
Farm name TURNER, DAVID & SANDRA Well Number 106
Operator (as registered with the OOG) H.G. ENERGY LLC
Address 5260 DuPONT ROAD City PARKERSBURG State WV Zip 26101

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4,347,943 M Easting 543,162 M
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 1,118' 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)
N/A

Date permit issued 2/11/14 Date drilling commenced _____ Date drilling ceased _____
Date completion activities began 8/22/14 Date completion activities ceased 8/25/14
Verbal plugging (Y/N) N Date permission granted _____ Granted by _____

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft None Open mine(s) (Y/N) depths N
Salt water depth(s) ft None Void(s) encountered (Y/N) depths N
Coal depth(s) ft 410'- 416' Cavern(s) encountered (Y/N) depths N

Is coal being mined in area (Y/N) N

APPROVED

NAME: Jackie Shanta
DATE: 7/1/14

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Reviewed by: _____

07/08/2016

API 47- 033 - 04878 Farm name TURNER, DAVID & SANDRA Well number 106

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	12 1/4"	11 5/8"	30'	Used	LS		Sand In
Surface	8 3/4"	7"	450'	New	LS	64'	Existing
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	6 1/4"	4 1/2"	2870.8'	New	J-55		Existing
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	Reg Neat	110	15.6	1.18	130	Existing	8
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	50:50 Pozmix	150	14.2	1.27	191	Existing	8
Tubing							

Drillers TD (ft) 2900' Loggers TD (ft) 2890'
 Deepest formation penetrated Fifth Sand Plug back to (ft) N/A
 Plug back procedure N/A

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 _____

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WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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

Prepared for:
 H G Energy LLC
 Dustin Hendershot



Prepared by:
 Producers Service Corp
 Chris Bryan
 109 S. Graham St.
 Zanesville, OH 43702
 740-454-6253

INVOICE #: 16773
 WELL NAME: Hiram Lynch #106
 DATE of SERVICE: 8/25/2014
 CUSTOMER PO#

Description	Notes	Amount	Units	Unit Cost	Total Cost
BLENDER CHARGE 0-10 BPM		1	EA		
FLUID PUMP CHARGE 0-3000 PSI MIN CHARGE		1	EA		
MILEAGE CHARGE PER UNIT ONE WAY	2 Units @ 70 Miles	140	MI		
IC ACID 15%		300	GAL		
ACID DELIVERY		4	HR		
PRO HIB II		1	GAL		
PRO CLA LOK (KCL SUBSTITUTE)		20	GAL		
PRO NE-21		10	GAL		
PRO GEL 4		250	LB		
BUFFER II		50	LB		
BUFFER I		50	LB		
BIO CLEAR 750		1	LB		
AP BREAKER		22	LB		
BXL-A		15	GAL		
BXL-10C		15	GAL		
DATA VAN		1	STAGE		
SAND 20/40 OTTAWA		150	CWT		
SAND DELIVERY / TON MILES	7.5 Ton @ 70 Miles	525	TMILE		

Customer Approval: _____

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