

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

API 47-069-00180 County OHIO District LIBERTY
Quad VALLEY GROVE Pad Name ALICE EDGE-OHI-PAD1 Field/Pool Name PANDHANDLE FIELD
Farm name EDGE, ALICE MAE Well Number ALICE EDGE OHI 3H
Operator (as registered with the OOG) SWN PRODUCTION COMPANY LLC
Address P.O. BOX 12359 City SPRING State TX Zip 77391-2359

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4438947.520 Easting 537467.805
Landing Point of Curve Northing 4439089.837 Easting 537403.955
Bottom Hole Northing 4441755.916 Easting 536186.648

Elevation (ft) 1199' 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)
SOBM

Date permit issued 09/23/2014 Date drilling commenced 10/02/2014 Date drilling ceased 12/19/2014
Date completion activities began 09/21/2015 Date completion activities ceased 11/10/2015
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

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

Freshwater depth(s) ft 200' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 732' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 582' Cavern(s) encountered (Y/N) depths SEP 16 2014

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

APPROVED

NAME: Jacqueline Thornton
DATE: 9/22/14

WV Department of
Environmental Protection
Reviewed by: _____

10/28/2016

API 47-069 - 00180 Farm name EDGE, ALICE MAE Well number ALICE EDGE OHI 3H

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	26	20	120'	N	J-55/ 94#		Y
Surface	17.5	13.375	619'	N	J-55/ 54.50#		Y, 34 BBLs TO SURFACE
Coal	SEE SURFACE						
Intermediate 1	12.25	9.625	2092'	N	J-55/ 40#		Y, 35 BBLs TO SURFACE
Intermediate 2							
Intermediate 3							
Production	8.75 TO 8.50	5.5	16440'	N	P-110/20#		Y, 20 BBLs TO SURFACE
Tubing		2.375	6721'	N	P-110/4.70#		N
Packer type and depth set		N/A					

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	A	GROUT	15.6	1.20		SURFACE	24
Surface	A	590	15.6	1.20	708	SURFACE	8
Coal	SEE SURFACE						
Intermediate 1	A	822	15.6	1.19	978.18	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	A	905/2400	15.3/15.6	1.31/1.19	11858.55/2855	SURFACE	24
Tubing							

Drillers TD (ft) 16440' Loggers TD (ft) 16440'
 Deepest formation penetrated MARCELLUS Plug back to (ft) NA
 Plug back procedure NA

Kick off depth (ft) 5720'

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 _____

ALL CASING STRINGS RAN WITH A CENTRALIZER AT A MINIMUM OF 1 PER EVERY 3RD JOINT OF CASING

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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

RECEIVED
 Ohio Department of
 Environmental Protection
 SEP 16 2016
 WV Department of
 Environmental Protection

