

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

API 47-095-02309 County Tyler District Ellsworth
Quad Shirley Pad Name _____ Field/Pool Name _____
Farm name Statoil Onshore Properties Well Number Parr #1V North
Operator (as registered with the OOG) Alliance Petroleum Corporation
Address 4150 Belden Village Ave., NW Suite 410 City Canton State Ohio Zip 44718-2553

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) 1202 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)

Clay Stay - KCL - Soap

Date permit issued 9/16/15 Date drilling commenced 9/28/15 Date drilling ceased 10/17/15
Date completion activities began 12/7/15 Date completion activities ceased FEB 20 2016
Verbal plugging (Y/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 0-300' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1724 - 1950 Void(s) encountered (Y/N) depths N
Coal depth(s) ft None Recorded Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

APPROVED

Reviewed by:
NAME: Deborah A. Hughes
DATE: 3-16-16

03/18/2016
AX WS 03/17/16

API 47-095 - 02309 Farm name Statoil Onshore Properties Well number Parr #1V North

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	15"	13"	30'	New	H-40 36#		N/A Driven
Surface	12-3/4"	9-5/8"	210'	New	H-40 26#		Y
Coal							
Intermediate 1	8-3/4"	7"	2460'	New	J-55 17.0#		Y
Intermediate 2							
Intermediate 3							
Production	6-1/2"	4-1/2"	5943'	New	J-55 10.5#		No
Tubing		1-1/2"	5600'	Used	J-55 2.75#		N/A
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	Driven						
Surface	Class A	75 Sk.				CTS	8
Coal							
Intermediate 1	Class A	325 Sk.				CTS	8
Intermediate 2							
Intermediate 3							
Production	50/50 Poz.	145 Sk.				3280' G.L.	
Tubing							

Drillers TD (ft) 6000' Loggers TD (ft) 5990'

Deepest formation penetrated Rhinestreet 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 _____

4-1/2 - 6 Centralizers Ran Every 100' Off Bottom

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WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

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WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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

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Home 740-763-2758
Mobile 330-763-0479

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National Minerals Corporation

ALLIANCE PETROLEUM CORPORATION

PARR 1V NORTH

ELLSWORTH DISTRICT

TYLER COUNTY, WEST VIRGINIA

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*Oil, Gas & Mineral
Exploration*

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WELL: Alliance Petroleum Corporation #1V Parr North.

LOCATION: Ellsworth District, Tyler County, West Virginia.

PERMIT NUMBER: 47-095-02309.

ELEVATION: 1202' Ground 1210'KB.

STATUS: Preparing to complete as a gas producer.

CASING: 7" @ 2404'.

TOTAL DEPTH: 5990' Driller 6000' Logger.

CONTRACTOR: Nexus Drilling Co.

TOOLS: Rotary.

COMPLETED DRILLING: 10/7/2015.

FORMATION AT TOTAL DEPTH: Devonian shale.

ELECTRICAL SURVEYS: Gamma Ray- Compensated Density- Neutron- Caliper- Temperature- Induction- Gas Detector by Weatherford

SHOWS: An excellent show of gas was encountered in the 3rd Salt Sand. Additional shows of gas were noted on the mud log in the Rhinestreet, Alexander, Benson, Riley, Bayard, Gordon, Gantz and Big Injun. Dull yellow fluorescence and dull yellow hydrocarbon cut were noted in the Gordon samples.

FORMATION TOPS:	1 st Salt Sand	1724'	- 522
	2 nd Salt Sand	1810'	- 608
	3 rd Salt Sand	1950'	- 748
	Maxon Sandstone	2010'	- 808
	Big Lime	2056'	- 854
	Keener Sandstone	2134'	- 932
	Big Injun Sandstone	2154'	- 952
	Weir Sandstone	2480'	-1278
	Gantz Sandstone	2700'	-1498
	Thirty-foot Sandstone	2800'	-1598
	Gordon Sandstone	2928'	-1726
	4 th Sand	3046'	-1744
	5 th Sand	3098'	-1896
	Bayard Sandstone	3150'	-1948
	Warren Sandstone	3628'	-2426
	Speechley Sandstone	3930'	-2728

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Balltown Sandstone	4100	-2898
Bradford Sandstone	4408	-3206
Riley Sandstone	4816	-3614
Benson Sandstone	5260	-4058
Alexander Sandstone	5502	-4300
Rhinestreet Shale	5580	-4378

STRUCTURAL COMPARISON:

	Alliance Petroleum Parr 1V North	Alliance Petroleum Yurigan 1V
Big Lime	- 854	- 839
Gordon Sandstone	-1726	-1719
Warren Sandstone	-2426	-2421

GEOLOGY:

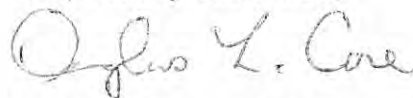
I would first recommend completion of the Rhinestreet Shale, Alexander, Benson and Riley Sandstones. The Rhinestreet Shale (5580 to 5644') and Alexander Sandstone (5502-5540') should be completed as the first stage. Both show only fair development, but together should contribute some gas reserves. The Rhinestreet had fair porosities and low water saturations. The temperature log, gas detector and mud logs indicated small shows of gas in this zone. The Alexander also showed fair porosities and low water saturations. The temperature and mud logs recorded small shows of gas in this zone.

The second stage would be the Benson (5260 to 5268'), which showed better development than expected for this area. It has fair to good porosities and low water saturations. The temperature and mud logs indicated a small show of gas. The third stage would be the Riley (4816-4846'), which had the second best gas show (the best being in the 3rd Salt Sand, discussed later) in the well. It has good porosities and low water saturations. The temperature and mud logs indicated good shows of gas in this zone (background of 180 units to a maximum of 314 and 342 units).

After depletion of the lower zones, additional production may be obtained from the Bayard, Gordon, Gantz and 3rd Salt Sand. The Bayard, 3148 to 3164', has fair to good porosities and low water saturations. The temperature and mud logs indicated a small show of gas in this zone. The Gordon will be severely depleted in this area because of many old wells. However, because of the very high porosity and very good thickness, some reserves may remain. After depletion of any other zones in this well, testing of this zone should be considered. A compressor may be needed to lower the wellhead pressure enough to obtain significant gas. Because of the fluorescence and oil cut, I would expect this zone to make some small amount of oil. The Gantz, 2700 to

2720', also showed good development in this well. However, it is also subject to severe depletion. The 3rd Salt Sand would appear to have the best production potential in this well. An excellent show of gas (background of 8 units to a maximum of 2125 units) was noted at 1980'. Because it is behind the 7" casing, we only have a gamma ray log across this zone. When the lower zones are perforated, I recommend running a gamma ray-neutron across this zone for further evaluation. This zone should be tested after depletion of the lower zones.

Respectfully submitted,



NATIONAL MINERALS CORPORATION

By: Douglas L. Core, President

October 8, 2015

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