

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

API 47 - 095 - 02251 County Tyler District Ellsworth
Quad Shirley Pad Name _____ Field/Pool Name Ellsworth
Farm name Statoil USA Onshore Prop Well Number Yurigan #1V
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) 1251 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

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OCT 06 2015
5/4/15
WV Dept of
Environmental Protection
Environmental Protection
Granted by _____

Date permit issued 4/7/15 Date drilling commenced 4/28/15 Date drilling ceased 6/2015 5/4/15
Date completion activities began 6/3/15 Date completion activities ceased 8/23/15
Verbal plugging (Y/N) _____ Date permission granted _____

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

Freshwater depth(s) ft 48' Open mine(s) (Y/N) depths N/A
Salt water depth(s) ft 1713' Void(s) encountered (Y/N) depths N/A
Coal depth(s) ft None Recorded Cavern(s) encountered (Y/N) depths N/A
Is coal being mined in area (Y/N) No

Reviewed by: _____

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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"	13-3/8"	32'	New	H-40 36#	N/A	N/A
Surface	12-3/4"	9-5/8"	401'	New	H-40 26#		Yes
Coal							
Intermediate 1	8/3/4"	7"	1554'	New	J-55 17#		Yes
Intermediate 2							
Intermediate 3							
Production	6-1/2"	4-1/2"	3938'	New	10.5#/ft J-55		No
Tubing		2-3/8"	3710	Used	4.7#/ft J-55		N/A
Packer type and depth set		Hookwall @ 3052 Set with 30,000# / 14,000 Over String Weight					

Comment Details Big Injun/Gordon - Co-mingled above packer on 4-1/2 Annulus - Speechley/Warren/Bayard- Produced below packer

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	N/A						
Surface	Class A	121				CTS	8 hrs.
Coal							
Intermediate 1	Class A	204				CTS	8 hrs.
Intermediate 2							
Intermediate 3							
Production	50/50 poz	220				1440' G.L.	
Tubing							

Drillers TD (ft) 4042' Loggers TD (ft) 4037'
 Deepest formation penetrated Speechley Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) N/A

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 TOTAL RAN EVERY 100' OFF BOTTOM

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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 _____

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PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	8/3/15	3742'	3759'	3	Speechley
1	8/3/15	3631'	3704'	20	Warren
2					Big Bore Frac Plug @ 3440'
2	8/3/15	3330'	3305'	5	Misc. siltstones
2	8/3/15	3200'	3208'	16	Bayard
3					Big Bore Frac Plug
3	61/6/15	2991'	3010'	50	Gordon
4					Big Bore Frac Plug
4	6/30/15	2249'	2259'	40	Big Injun
					**All Frac Plugs Drilled And Removed

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
1	9/3/15	22.4	2500	2058	1330	24,700	304	356 MSCF
2	8/3/15	21.0	2500	1320	1359	18,500	233	288 MSCF
3	6/17/15	3.0	1070	1700	100	0	0	2000gals.15% \pm
4	7/10/15		1150	2823	600	0	0	2000gals.15% \pm

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Please insert additional pages as applicable.

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PRODUCING FORMATION(S)	DEPTHS	
Warren/Speechley	3754	TVD MD
Bayard	3305	
Gordon	3010	
Big Injun	2259	

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 350 psi Bottom Hole _____ psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 5.0 mcfpd Oil 0.0 bpd NGL 0.0 bpd Water 0 bpd GAS MEASURED BY Estimated Orifice 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)
	0		0		***SEE ATTACHED -GEOLOGIST REPORT

Please insert additional pages as applicable.

Drilling Contractor Nexus Drilling
Address P.O. Box 903 City Jane Lew State WV Zip 26378

Logging Company Weatherford
Address 6 Garton Plaza City Weston State WV Zip 26452

Cementing Company Universal Well Services
Address P.O. Box 2437 City Buckhannon State WV Zip 26201

Stimulating Company Producers Service Corp.
Address 109 S. Graham Street City Zanesville State OH Zip 43702

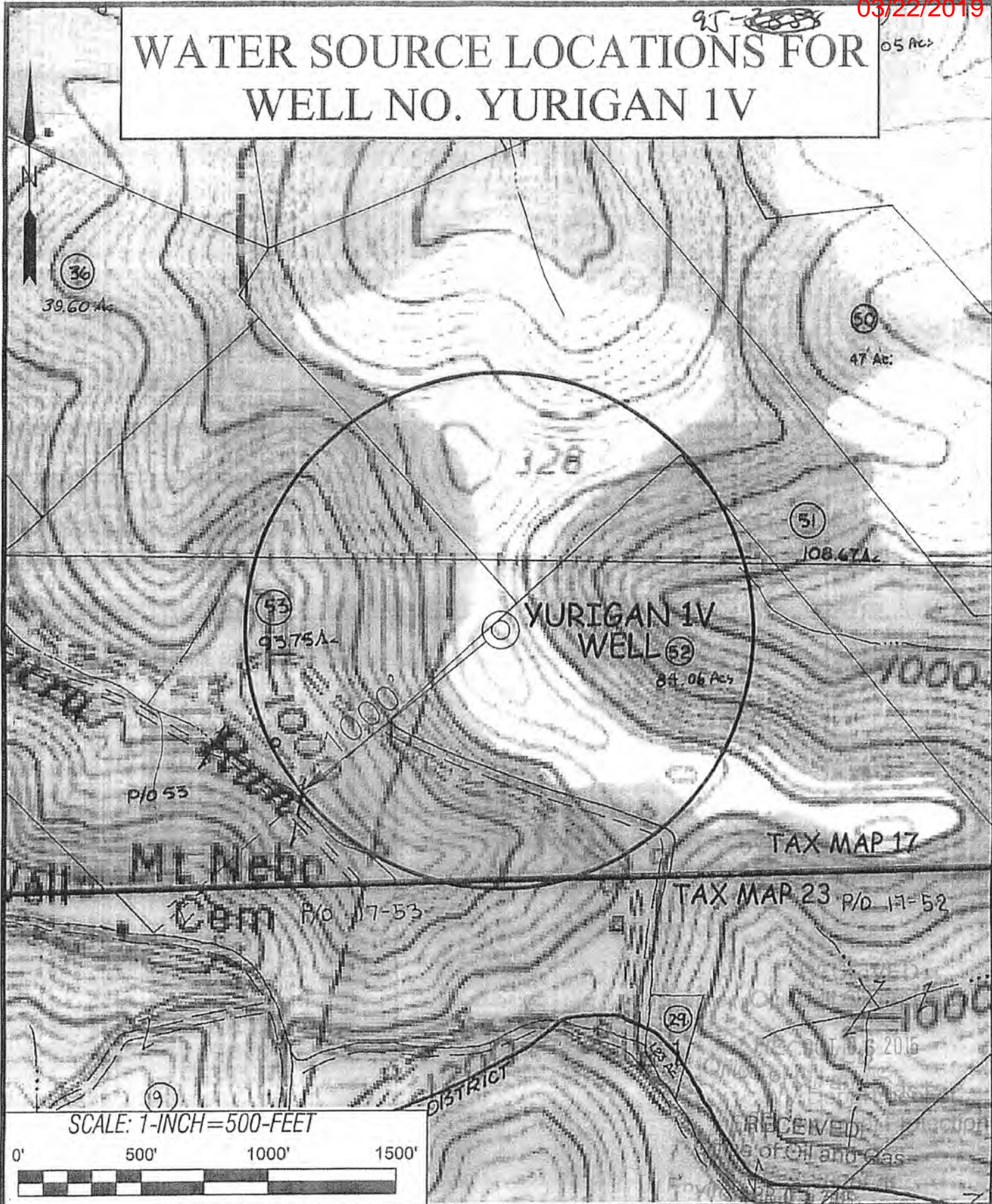
Please insert additional pages as applicable.

Completed by Martin L. Miller Alliance Petroleum Corp. Telephone 740-373-8771
Signature *Martin L. Miller* Title Sr. VP of Operations Date Oct. 1, 2015

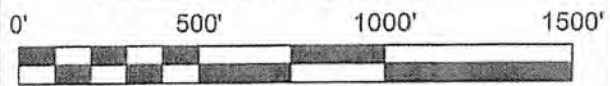
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95-2281
95-2281
03/22/2019

WATER SOURCE LOCATIONS FOR WELL NO. YURIGAN 1V



SCALE: 1-INCH=500-FEET



Professional Energy Consultants
A DIVISION OF GATHLIFF SURVEYING, INC.

SURVEYORS
ENGINEERS
ENVIRONMENTAL
PROJECT MGMT.

(304) 423-8884
WWW.SLSURVEYS.COM

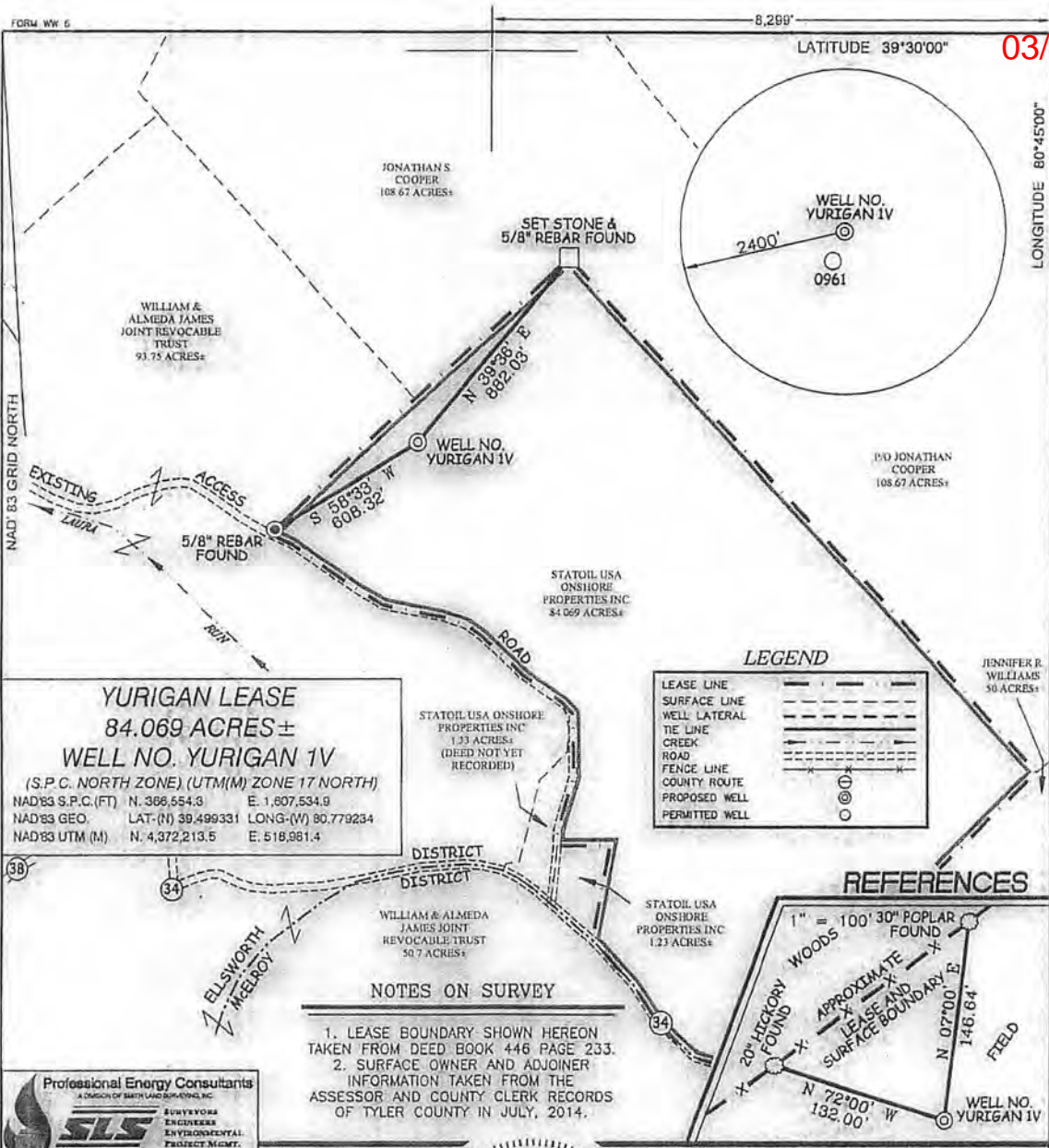
DRAWN BY: K.D.W. FILE NO: 8406 DATE: 03/25/15 CADD FILE: 8406K3.dwg

TOPO SECTION OF:
SHIRLEY, WV 7.5' QUAD

DISTRICT	COUNTY	TAX MAP-PARCEL NO.
ELLSWORTH	TYLER	17-52

OPERATOR:
ALLIANCE PETROLEUM CORP.
4150 BELDEN VILLAGE AVE. NW
SUITE 410
CANTON, OH 44718-2553

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YURIGAN LEASE
84.069 ACRES ±
WELL NO. YURIGAN 1V
 (S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD83 S.P.C. (FT) N. 386,554.3 E. 1,807,534.9
 NAD83 GEO. LAT. (N) 39.499331 LONG. (W) 80.779234
 NAD83 UTM (M) N. 4,372,213.5 E. 518,981.4

STATOIL USA ONSHORE PROPERTIES INC 1.33 ACRES± (DEED NOT YET RECORDED)

WILLIAM & ALMEDA JAMES JOINT REVOCABLE TRUST 50.7 ACRES±

- NOTES ON SURVEY**
1. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 446 PAGE 233.
 2. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF TYLER COUNTY IN JULY, 2014.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE MARCH 31 20 15

REVISED _____ 20 _____

OPERATORS WELL NO. YURIGAN 1V

API WELL NO. 47-95-02251

STATE WV COUNTY TYLER PERMIT 02251

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. Gregory A. Smith
 677

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 8406PYURIGAN1V.dwg

HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (MAPPING GRADE TIE TO CORS NETWORK) SCALE 1" = 500'

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

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____ IF "GAS" PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X

LOCATION: ELEVATION 1,251' WATERSHED TRIBUTARY OF ELK FORK

DISTRICT ELLSWORTH COUNTY TYLER QUADRANGLE SHIRLEY 7.5

SURFACE OWNER STATOIL USA ONSHORE PROPERTIES INC. ACREAGE 84.069±

ROYALTY OWNER ALMEDA S. JAMES ET AL. ACREAGE 84.069±

PROPOSED WORK: DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE X PLUG OFF OLD _____

FORMATION _____ PERFORATE NEW FORMATION _____ PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____ OTHER _____

PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION SPEECHLY

ESTIMATED DEPTH TVD 3,950'

WELL OPERATOR ALLIANCE PETROLEUM CORPORATION DESIGNATED AGENT JEFFREY SAYGER

ADDRESS 4150 BELDEN VILLAGE AVE. NW SUITE410 CANTON, OH 44718-2553 ADDRESS 16 FOXHILL TERRACE PARKERSBURG, WV 26101

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COUNTY NAME
 PERMIT

12956 Claylick Road 03/22/2019
Newark, Ohio 43056-9146
Office 740-763-2758
Home 740-763-2758
Mobile 330-763-0479

.....
National Minerals Corporation

ALLIANCE PETROLEUM CORPORATION

YURIGAN #1V

ELLSWORTH DISTRICT

TYLER COUNTY, WEST VIRGINIA

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*Oil, Gas & Mineral
Exploration*

WELL: Alliance Petroleum Corporation #1V Yurigan.

LOCATION: Ellsworth District, Tyler County, West Virginia.

PERMIT NUMBER: 47-095-02251.

ELEVATION: 1251' Ground 1259'KB.

STATUS: Preparing to complete as a gas producer.

CASING: 7" (20 #) @ 1552'.

TOTAL DEPTH: 4050' Driller 4037' Logger.

CONTRACTOR: Nexus Drilling Co.

TOOLS: Rotary.

COMPLETED DRILLING: 5/4/2015.

FORMATION AT TOTAL DEPTH: Devonian shale.

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

SHOWS: The mud log detected small shows of gas in the Speechley, 4th, Gordon, Thirty-foot, Weir, Big Lime, 3rd Salt and 2nd Salt. Fair shows of gas were noted in the Warren, Bayard and Gantz. A good show of gas was noted in the Big Injun. Very little fluorescence was noted in any of the samples.

FORMATION TOPS:	1 st Salt Sand	1690'	- 431
	2 nd Salt Sand	1820'	- 561
	3 rd Salt Sand	1998'	- 739
	Maxon Sandstone	2068'	- 809
	Big Lime	2098'	- 839
	Keener Sandstone	2166'	- 907
	Big Injun Sandstone	2177'	- 918
	Weir Sandstone	2503'	-1244
	Gantz Sandstone	2750'	-1491
	Thirty-foot Sandstone	2850'	-1591
	Gordon Sandstone	2978'	-1719
	4 th Sand	3058'	-1799
	5 th Sand	3096'	-1837
	Bayard Sandstone	3154'	-1895
	Warren Sandstone	3680'	-2424

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Yurigan #1V

Page 2

Speechley Sandstone	3820'	-2561
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STRUCTURAL COMPARISON:

	Alliance Petroleum Yurigan #1V	Triad Resources Baker #1-906
Big Lime	- 839	- 862
Gordon Sandstone	-1719	-1749
Warren Sandstone	-2421	-2435

GEOLOGY:

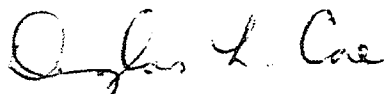
This well lies in an area that was heavily drilled to the Gordon Sandstone beginning in the late 1800's. It is within a few hundred feet of one of the old wells. Therefore, nearly all of the formations from the Gordon up will be somewhat depleted. However, because of the high porosities and thick sections, considerable gas may remain.

I would first recommend completion of the Warren and Bayard Sandstones. These zones both had fair shows of gas indicated on the mud log. The Warren from 3680 to 3774' has fair porosity and good gas response on the neutron and induction logs. The Bayard from 3154 to 3212' also has fair porosity and good neutron and induction response. These zones have the potential for gas production. Since there is no recent production from these zones, in the immediate area, production rates and reserves are unknown. Further drilling and testing will be needed to quantify those numbers.

After depletion of these zones, completion of the Gordon and Big Injun should be attempted. The Gordon from 2978 to 3028' has excellent porosity and a good response on the temperature log. During the drilling operation a considerable amount of fluid was lost into this zone. Therefore, the neutron and induction responses indicate water, probably from invasion. Completion of this zone should only involve perforation and using a small amount of acid for cleanup. Since this well is only a few hundred feet from one of the old Gordon wells, no fracturing should be attempted. Several zones in the Big Injun also appear to be favorable for gas production. The zone from 2300 to 2310' has good porosity and good neutron density crossover. A show of gas was noted in this zone on the mud, temperature and gas detector logs. A second zone in the Big Injun from 2246 to 2258' has excellent porosity and excellent neutron-density crossover. A show of gas was recorded in this zone on the mud and gas detector logs. This zone is immediately above a zone containing considerable water. Therefore, perforations should be kept near the top of the gas interval. A third zone in the Big Injun from 2200 to 2213' also has excellent porosity and

excellent neutron-density crossover. A show of gas was noted on the mud log in this interval. Although none of the gas shows recorded by the mud log in the Big Injun were large, it appears to have been making considerable gas. Connection gas at 2235' was 111 units, while connection gas at 2268' was 1515 units. This decreased to 300 to 500 units, but maintained that until the Gordon was drilled and the well started taking fluid. Since, before completion, we have no idea of the extent of depletion in the Gordon and Big Injun, production rates and reserves are also unknown.

Respectfully submitted,



NATIONAL MINERALS CORPORATION

By: Douglas L. Core, President

May 12, 2015