

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

API 47-⁰⁹⁵950-02263 County TYLER District ELLSWORTH
Quad Porters Falls Pad Name Harris Field/Pool Name Tyler
Farm name HARRIS NILE DEAN Well Number HARRIS #3V
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) 790 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

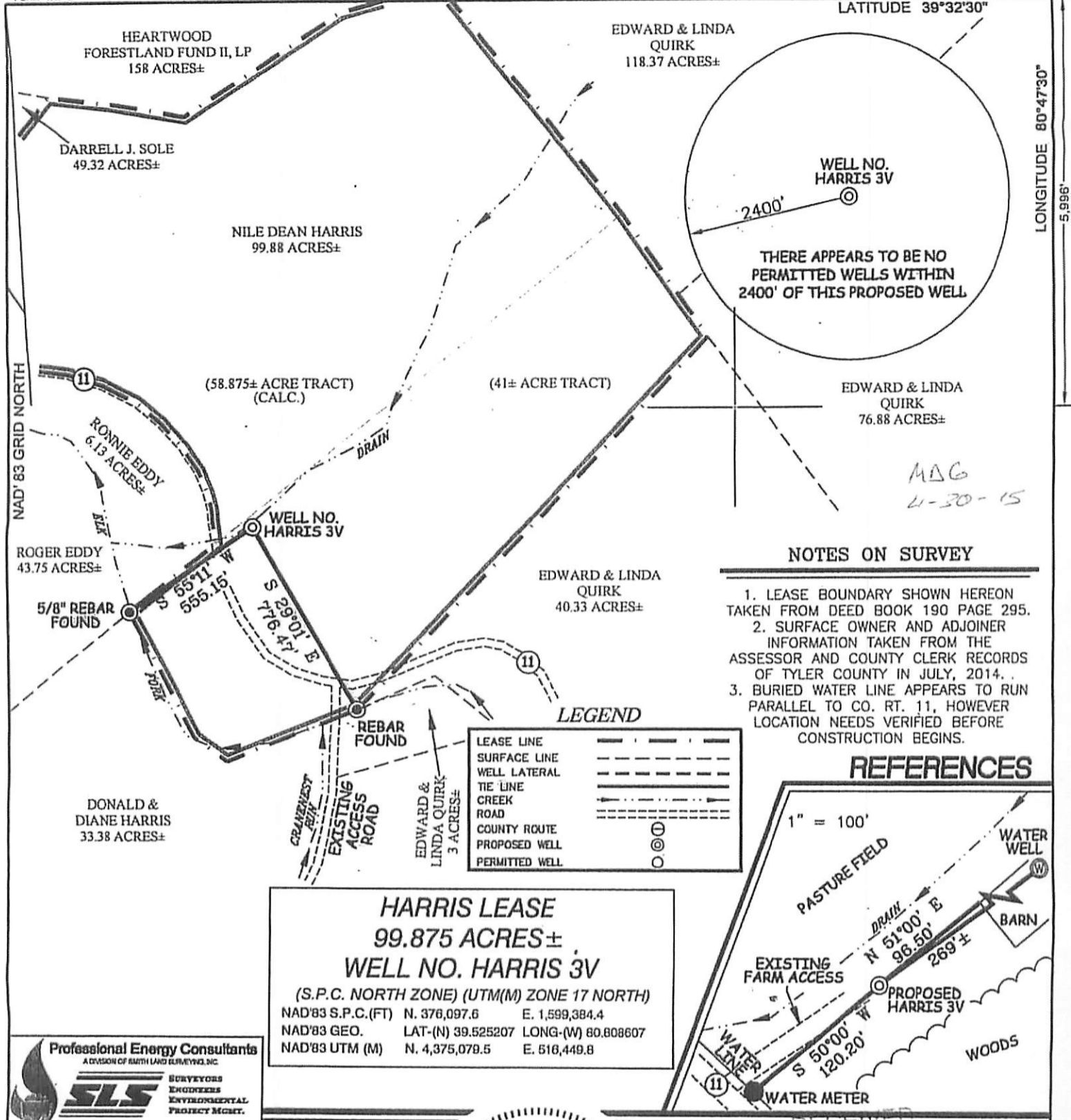
Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine
Mud Type(s) and Additive(s)
POTASH - CLAY STAY - SOAP

Date permit issued 5-12-15 Date drilling commenced 7-9-15 Date drilling ceased 7-12-15
Date completion activities began 8-7-15 Date completion activities ceased 8-15-15
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 48' TO 300' Open mine(s) (Y/N) depths N/A
Salt water depth(s) ft 1340 TO 1780' Void(s) encountered (Y/N) depths N/A
Coal depth(s) ft 413 - 415 Cavern(s) encountered (Y/N) depths N/A
Is coal being mined in area (Y/N) N

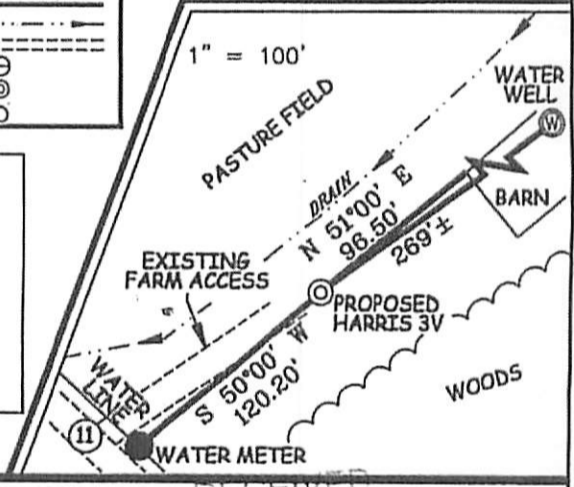
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Reviewed by:
Dmy
01/08/2016



NOTES ON SURVEY

1. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 190 PAGE 295.
2. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF TYLER COUNTY IN JULY, 2014.
3. BURIED WATER LINE APPEARS TO RUN PARALLEL TO CO. RT. 11, HOWEVER LOCATION NEEDS VERIFIED BEFORE CONSTRUCTION BEGINS.

REFERENCES



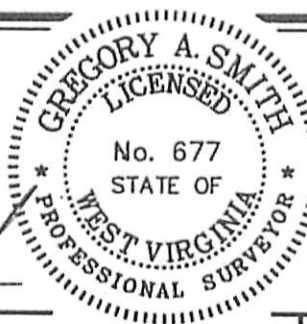
LEGEND

LEASE LINE	---
SURFACE LINE	----
WELL LATERAL	-----
TIE LINE	-----
CREEK	~~~~~
ROAD	-----
COUNTY ROUTE	-----
PROPOSED WELL	⊙
PERMITTED WELL	○

HARRIS LEASE
99.875 ACRES±
WELL NO. HARRIS 3V
 (S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD'83 S.P.C.(FT) N. 376,097.6 E. 1,599,384.4
 NAD'83 GEO. LAT-(N) 39.525207 LONG-(W) 80.808607
 NAD'83 UTM (M) N. 4,375,079.5 E. 516,449.8

Professional Energy Consultants
 A DIVISION OF SMITH LAND SURVEYING, INC.

 SURVEYORS
 ENGINEERS
 ENVIRONMENTAL
 PROJECT MGMT.
 (204) 425-6434
 WWW.SLSURVEYS.COM



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. 677 *Gregory A. Smith*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE APRIL 28, 20 15
 REVISED MAY 04 2015, 20
 OPERATORS WELL NO. HARRIS 3V
 API WELL NO. 47 WV Department of Environmental Protection
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 8415PHARRIS3V.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 LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 791' WATERSHED TRIBUTARY OF ELK FORK
 DISTRICT ELLSWORTH COUNTY TYLER QUADRANGLE PORTERS FALLS 7.5'
 SURFACE OWNER NILE DEAN HARRIS ACREAGE 99.875±
 ROYALTY OWNER NILE DEAN HARRIS ACREAGE 99.875±
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE 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 3,950'

WELL OPERATOR ALLIANCE PETROLEUM CORPORATION DESIGNATED AGENT JEFFREY SAYGER
 ADDRESS 4150 BELDEN VILLAGE AVE. NW SUITE 410 ADDRESS 16 FOXHILL TERRACE
CANTON, OH 44718-2553 PARKERSBURG, WV 26101

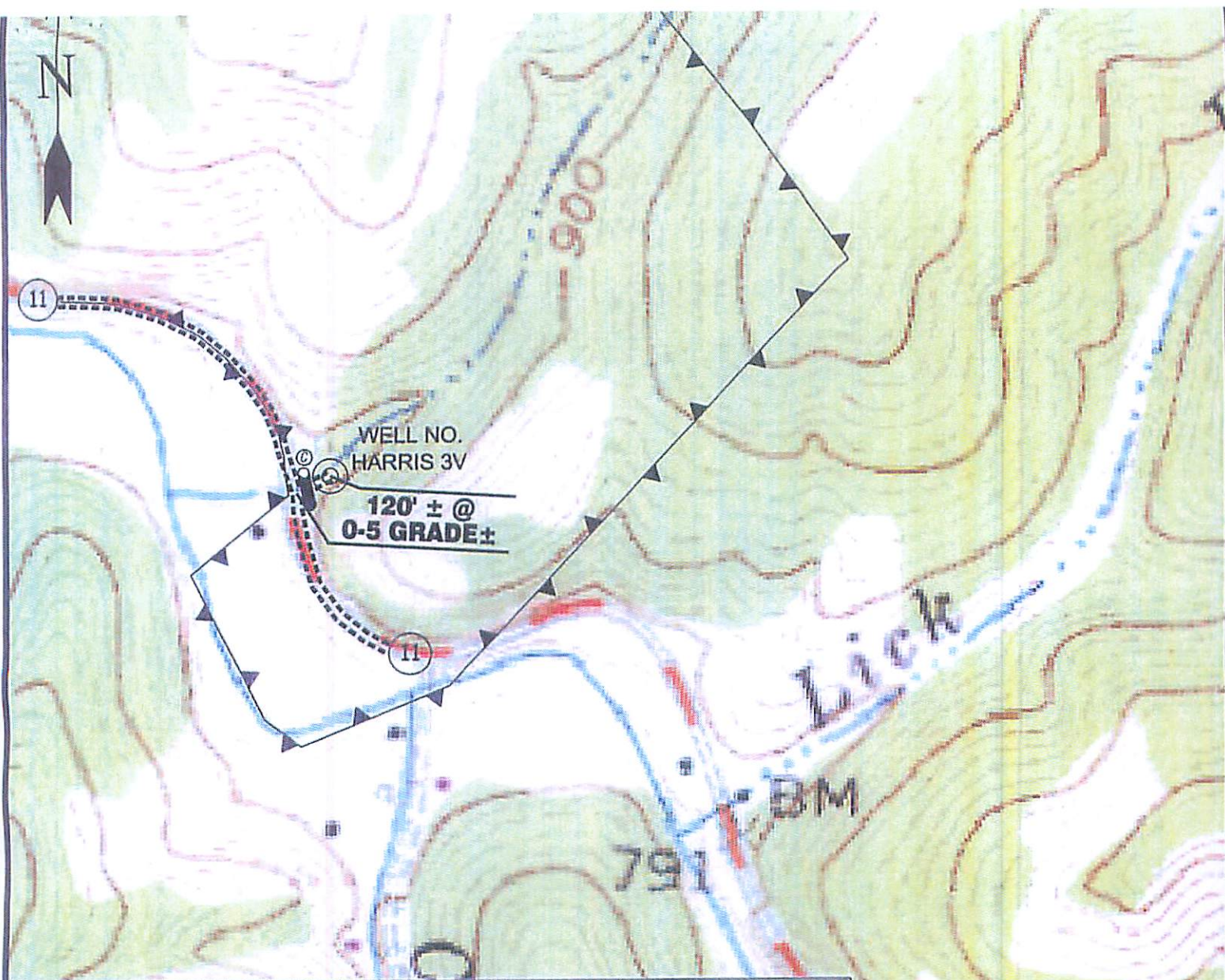
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4-30-15

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COUNTY NAME
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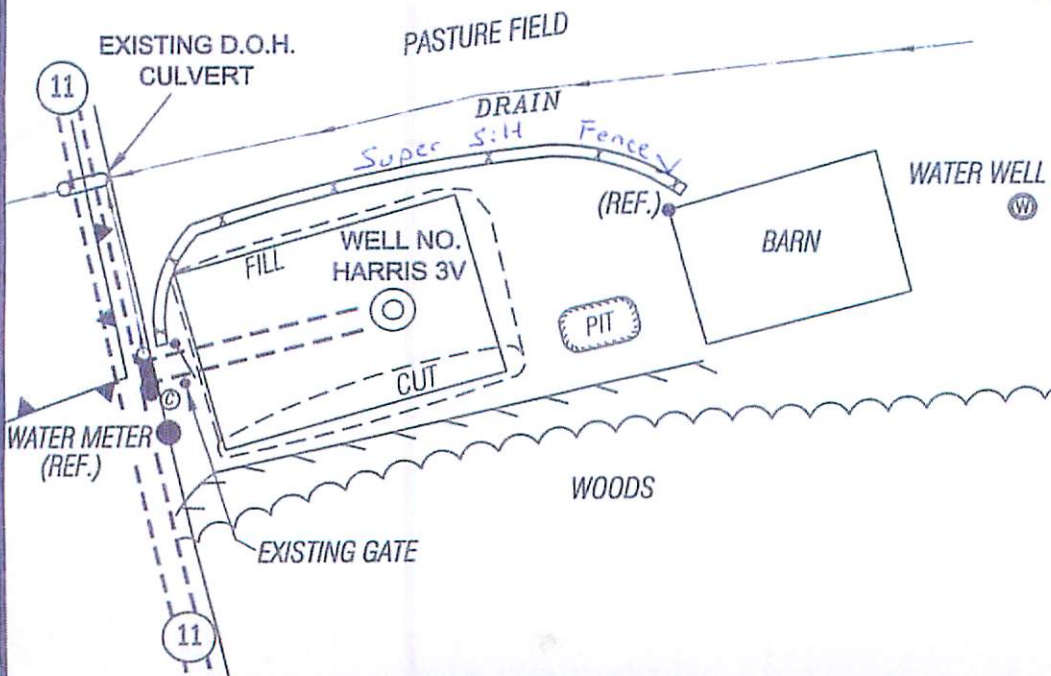


Detail Sketch for HARRIS 3V

BURIED WATER LINE APPEARS TO RUN PARALLEL TO CO. RT. 11, HOWEVER LOCATION NEEDS VERIFIED BEFORE CONSTRUCTION BEGINS.



SCALE: 1"=500'



ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATION SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST, ADDITIONAL EROSION CONTROL MEASURES SHALL BE IDENTIFIED AND UTILIZED AS NEEDED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR OF ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH SHALL BE APPLIED AFTER CONSTRUCTION OF LOCATION.

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API 47-950 - 2263 Farm name HARRIS NILE DEAN Well number HARRIS #3V

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#/FT.	NONE	N/A
Surface	13"	9-5/8"	318'	NEW	J-55- 26#/FT.		YES
Coal							
Intermediate 1	8-3/4"	7"	1091'	NEW	J-55- 17#/FT.		YES
Intermediate 2							
Intermediate 3							
Production	6-1/2"	4-1/2"	3498'	NEW	J-55- 10.5#/ FT.	NONE	NO
Tubing		1-1/2"	2510'	USED	J-55- 1.90#/FT.	N/A	N/A
Packer type and depth set		NONE					

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	N/A	NONE					
Surface	CLASS A	110				CTS	8
Coal							
Intermediate 1	CLASS A	150				CTS	8
Intermediate 2							
Intermediate 3							
Production	50/50 POZ	200				1690'	
Tubing							

Drillers TD (ft) 3590 Loggers TD (ft) 3572

Deepest formation penetrated SPEECHLEY 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 6 - CENTRALIZERS

RAN ON 4-1/2: STRING - 3100', 2570, 2500, 2350, 2170, 2120

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	8/11/15	2549	2541	21	GORDON STRAY
2	8/18/15	2158	2150	24	WEIR

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	8/11/15	25	2737	2231	1994	15,000	1217	
2	8/18/15	12	3000	3600	1963	2,000	314	

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Please insert additional pages as applicable.

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<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>GONDON STRAY</u>	<u>2548</u>	<u>TVD</u> _____ <u>MD</u> _____
<u>WEIR</u>	<u>2164</u>	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump
SHUT-IN PRESSURE Surface 1250 psi Bottom Hole _____ psi DURATION OF TEST 48 hrs

OPEN FLOW Gas 50.0 mcfpd Oil 1.0 bpd NGL _____ bpd Water .5 bpd GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
	<u>0</u>		<u>0</u>		***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. 27 2015

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01/09/2016

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

12956 Claytek Road
Newark, Ohio 43056-9146
Office 740-763-2758
Home 740-763-2758
Mobile 330-763-0479

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National Minerals Corporation

ALLIANCE PETROLEUM CORPORATION

HARRIS 3V

ELLSWORTH DISTRICT

TYLER COUNTY, WEST VIRGINIA

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*Oil, Gas & Mineral
Exploration*

01/08/2016

WELL: Alliance Petroleum Corporation 3V Harris

LOCATION: Ellsworth District, Tyler County, West Virginia.

PERMIT NUMBER: 47-095-02263.

ELEVATION: 790' Ground.

STATUS: Preparing to complete as an oil & gas producer.

CASING: 7" @ 1089'.

TOTAL DEPTH: 3590' Driller 3572' Logger.

CONTRACTOR: Nexus Drilling Co.

TOOLS: Rotary.

COMPLETED DRILLING: 7/12/2015.

FORMATION AT TOTAL DEPTH: Devonian shale.

ELECTRICAL SURVEYS: Gamma Ray- Compensated Density- Neutron- Caliper- Temperature- Induction by Appalachian Well Surveys.

SHOWS: A very good show of gas (background of 10 units to a maximum of approximately 1938 units) and oil were recorded on the mud log in the Big Injun Sandstone at 1840'. Free oil was noted on the pit. Small shows of gas were noted in the Warren, Gordon Stray, Gantz, and Weir.

FORMATION TOPS:	1 st Salt Sand	1340'	- 550
	2 nd Salt Sand	1438'	- 648
	3 rd Salt Sand	1563'	- 773
	Big Lime	1686'	- 896
	Keener Sandstone	1756'	- 966
	Big Injun Sandstone	1785'	- 995
	Weir Sandstone	2102'	-1312
	Gantz Sandstone	2340'	-1550
	Gordon Stray Sandstone	2536'	-1746
	Gordon Sandstone	2581'	-1791
	5 th Sand	2702'	-1912
	Bayard Sandstone	2780'	-1990
	Warren Sandstone	3258'	-2468
	Speechley Sandstone	3452'	-2662

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STRUCTURAL COMPARISON:

	Alliance Petroleum Harris 3V	Alliance Petroleum Kleeh 2V South
Big Lime	- 896	- 891
Gordon Sandstone	-1791	-1800
Warren Sandstone	-2468	-2466

GEOLOGY

The depths in this report are from the open hole logs. The mud log depths are approximately 10' deeper than the open hole depths.

The best potential zone, in this well, is the Big Injun. The zone from 1824 to 1860' has good to excellent porosity and good to very good neutron-density crossover. The mud log indicated a large gas show (background of 10 units to a maximum of 1938 units) and free oil on the pit from this zone. Approximately 5 barrels of oil was returned during the cementing of the production casing.

Additional zones, where shows were noted, are the Warren, Gordon Stray, Gantz and Weir Sandstones. The Warren Sandstone (3258-3358') had two small show of gas (background of 150 units to a maximum of 164 units and background of 100 units to a maximum of 179 units). However, the development of this zone is similar to that seen in the Yurigan 1V, where a completion was unsuccessful. Therefore, I would not attempt completion of this zone, at this time. The Gordon Stray 2536-2550' contains a thin zone with very good porosity and low water saturations. A small show of gas (background of 150 units to a maximum of 240 units) was noted on the mud log. The temperature log also indicated gas in this zone. If completion of the Gordon Stray is successful in the Harris 4V South, I would recommend testing this zone.

The Gantz (2340-2360'), had good porosity in the upper portion, but was very thin (3'). A small show of gas was noted on the mud log (background of 180 units to a maximum of 253 units). I do not believe this zone would be commercial by itself, but may contribute some gas if completed with the Weir. The Weir (2102-2224'), had very good porosity and good neutron-density crossover in the central portion (2144-2164'). Several small shows of gas were noted throughout the Weir. The temperature log also indicated several gas shows throughout the zone. I would recommend testing this zone, after completion of the Gordon Stray and prior to completion of the Big Injun.

Respectfully submitted,

NATIONAL MINERALS CORPORATION

By: Douglas L. Core, President

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July 24, 2015

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