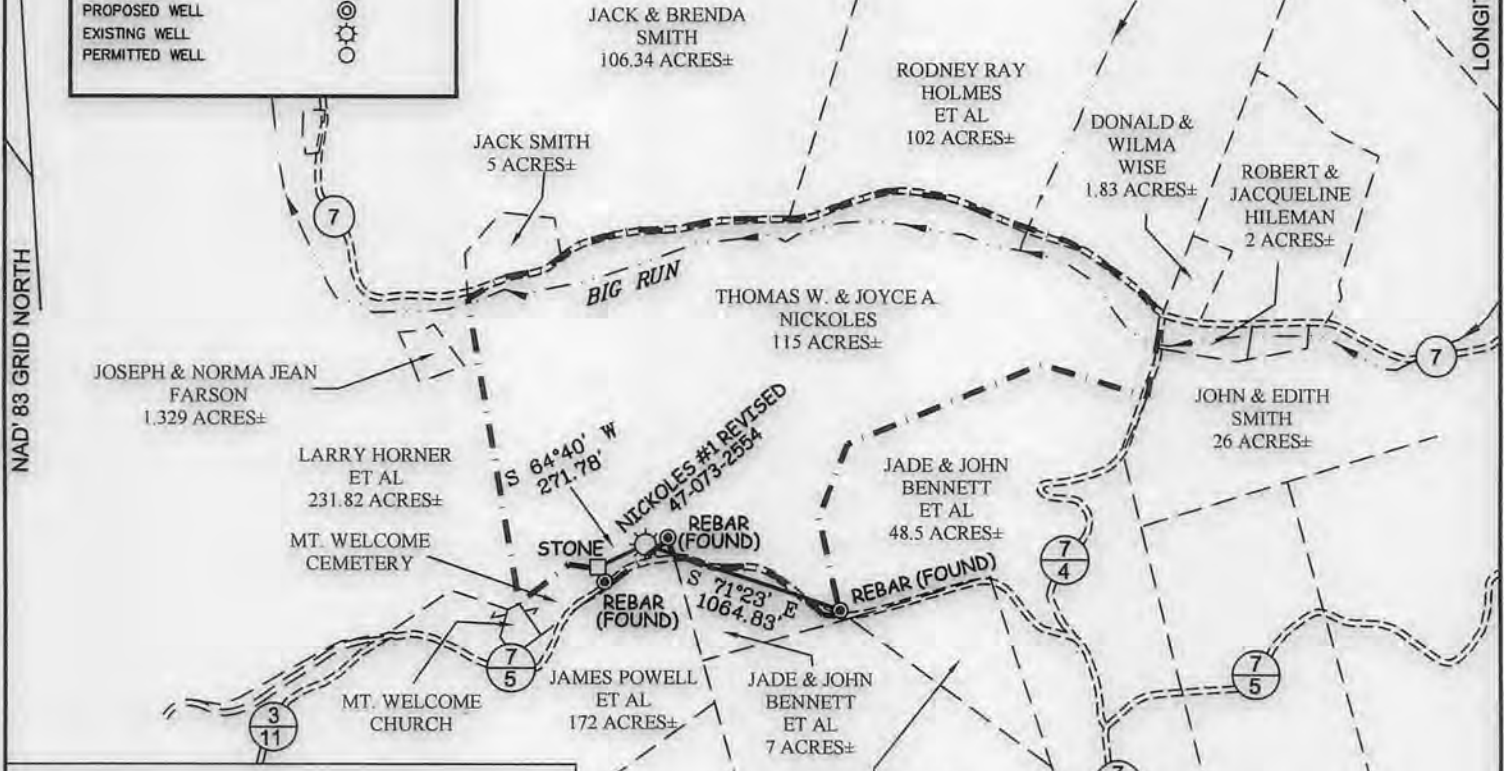


**LEGEND**

LEASE LINE	
SURFACE LINE	
WELL LATERAL	
OFFSET LINE	
TIE LINE	
CREEK	
ROAD	
FENCE LINE	
COUNTY ROUTE	
STATE ROUTE	
PROPOSED WELL	
EXISTING WELL	
PERMITTED WELL	

NAD '83 GRID NORTH



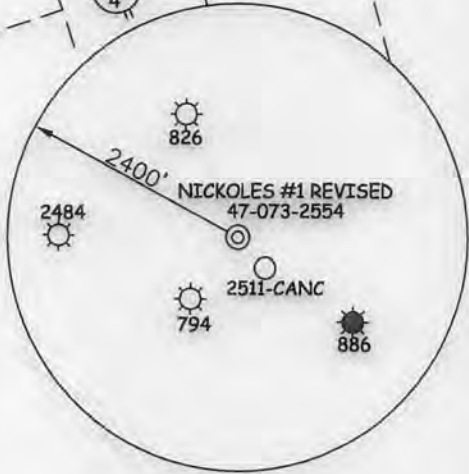
**NICKOLES  
WELL #1 REVISED  
47-073-2554**

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'83 S.P.C.(FT) N. 336,924 E. 1,531,344  
 NAD'83 GEO. LAT-(N) 39.41470 LONG-(W) 81.04739  
 NAD'83 UTM (M) N. 4,362,799 E. 495,920

**NOTES ON SURVEY**

1. TIES TO CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '83.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM WELL PLAT 47-073-2554 SURVEYED BY JOSHUA E. MOODY P.S. #2020 DATED 03-26-14.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF RITCHIE COUNTY IN JULY, 2015.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF RITCHIE COUNTY IN JULY, 2015.
5. WELL LAT./LONG. (NAD'83) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).
6. BASED ON GPS OBSERVATION, NICKOLES #1 REVISED WELL WAS FOUND WITHIN 5 FEET OF PERMITTED COORDINATES AS SHOWN ON PLAT REFERENCED IN NOTE 2.



**Professional Energy Consultants**  
 A DIVISION OF SMITH LAND SURVEYING, INC.  
  
 SURVEYORS  
 ENGINEERS  
 ENVIRONMENTAL  
 PROJECT MGMT.  
 (304) 482-9834 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. C. Victor Moyers  
 849



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE OCTOBER 9, 20 15  
 REVISED \_\_\_\_\_, 20 \_\_\_\_  
 OPERATORS WELL NO. NO. 1 REVISED  
 API WELL NO. 47-073-02554 F  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 8475P2554.dwg  
 HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (MAPPING GRADE TIE TO CORS NETWORK) SCALE 1" = 1000'

**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 1038' WATERSHED BIG RUN OF MIDDLE ISLAND CREEK  
 DISTRICT UNION COUNTY PLEASANTS QUADRANGLE BENS RUN 7.5'

SURFACE OWNER THOMAS W. & JOYCE A. NICKOLES ACREAGE 115±  
 ROYALTY OWNER THOMAS W. & JOYCE A. NICKOLES ACREAGE 115±

PROPOSED WORK:  
 DRILL \_\_\_\_\_ 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 DEVONIAN SHALE ESTIMATED DEPTH 5000'

WELL OPERATOR DAVID BOWYER DESIGNATED AGENT DAVID BOWYER  
 ADDRESS 12088 MIDDLE ISLAND RD. ADDRESS 12088 MIDDLE ISLAND RD.  
 ALMA, WV 26320 ALMA, WV 26320

COUNTY NAME PERMIT

11/13/2015



## 47-073-2554

7302554F



### NICKOLES #1 REVISED 47-073-2554

Mt Welcome Ch Cem

EXISTING CULVERT

Craig

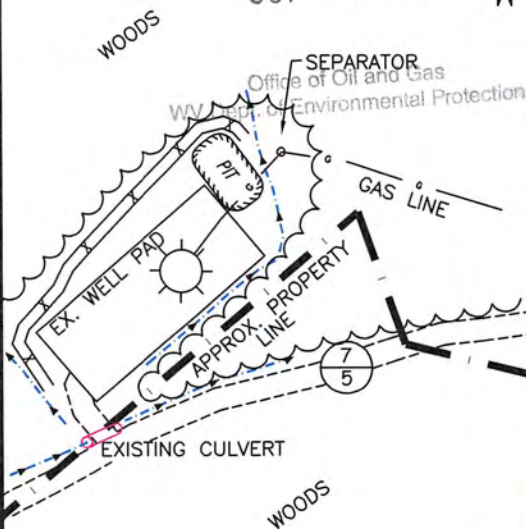
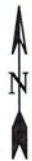
**SCALE: 1"=500'**



Detail Sketch for 47-073-2554

Received

OCT 28 2015



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 EVALUATED AND UTILIZED AS NEEDED.

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

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT & STACK ALL MARKETABLE TIMBER.

11/13/2015

STACKED BRUSH MAY BE USED FOR SEDIMENT CONTROL.

APPLICATIONS FOR SEPARATE PLC PERMITS ON THE ACCESS ROAD STREAM CROSSINGS HAVE BEEN PREPARED (IF APPLIES)

= EXISTING CULVERT    = PROPOSED CULVERT (SIZE AS STATED)

= PROPOSED STREAM CROSSING

MAG 10-19-15

TOPO SECTION OF  
BENS RUN 7.5'  
USGS TOPO QUADRANGLE



**Professional Energy Consultants**  
A DIVISION OF SMITH LAND SURVEYING

SURVEYORS PROJECT MGMT. **SLS** ENGINEERS ENVIRONMENTAL

P.O. Box 150  
Martinsburg, WV 26151  
(304) 482-5834

58085 Dikes Bottom Road  
Shady Side, OH 43087  
(740) 671-9911

HONESTY. INTEGRITY. QUALITY

DRAWN BY C.P.M.	FILE NO. 8475	DATE 10-08-15	CADD FILE: 8475REC2554.DWG
--------------------	------------------	------------------	-------------------------------