

Id	Radius	Arc Length
C1	1800.00'	3182.35'

**B. CHAPMAN**  
#83128  
84 AC.

NAD 27 WV NORTH SPC:		LATITUDE
North	East	Description
255995.52100'	1842709.10000'	PHL29AHS
256702.57184'	1845401.59115'	LANDING PT.
250832.41752'	1851549.05309'	BOTTOM HOLE

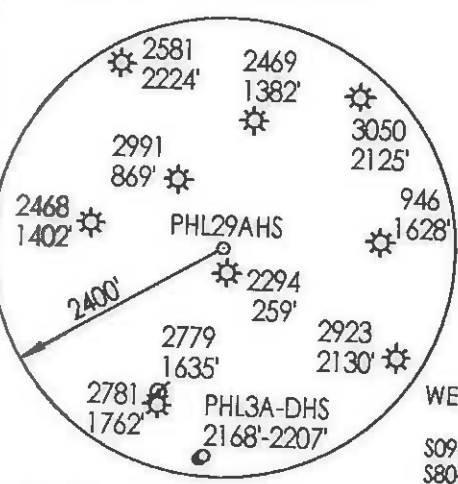
39-12-30  
SCALED COOR.:  
3775' WEST  
2485'SOUTH

UTM NAD 83 ZONE 17 COOR.:	
4,339,576.53 m	581,612.23 m PHL29AHS
4,339,805.59 m	582,428.98 m LANDING PT.
4,338,048.27 m	584,331.65 m BOTTOM HOLE

NOTE: AS DRILLED TOP HOLE COORDINATES SAME AS PERMITTED ONES.

--- PERMITTED  
— AS DRILLED

Id	Bearing	Distance
L1	S 71°31'12" E	724.08'
L2	S 80°19'53" E	765.38'
L3	S 76°02'53" E	1485.06'



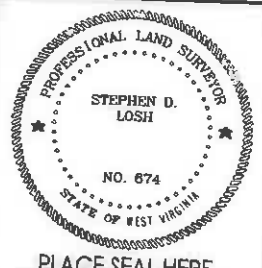
WELL REFERENCES:  
S09-19E, 259.33' TO WELL 47-001-02294  
S80-30W, 242.58' TO NAIL IN ROOT 6" CHERRY

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

FILE NUMBER: \_\_\_\_\_  
DRAWING NUMBER: CNXPHL29AHSRTAD.PCS  
SCALE: 1" = 1300'  
MINIMUM DEGREE OF ACCURACY: SUBMETER  
PROVEN SOURCE OF ELEVATION: DGPS SURVEY  
RTK SYSTEM

I THE UNDERSIGNED, HEREBY STATE 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 DEPARTMENT OF ENERGY.

(SIGNED) \_\_\_\_\_  
STEPHEN D. LOSH, P.S. #674



STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
#10 McJUNKIN ROAD  
NITRO, WV 25143-2506

LAND SURVEYING SERVICES  
21 CEDAR LANE, BRIDGEPORT, WV 26330  
PHONE: 304-842-2018 OR 842-5762

DATE: MARCH 05, 2015  
OPERATORS WELL NO.: PHL29AHS  
API WELL NO. (AS DRILLED): 47-001-03309  
STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_ CBM \_\_\_  
(IF "GAS") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
LOCATION: ELEVATION 1406.00' WATERSHED FOXGRAPE RUN  
DISTRICT PLEASANT COUNTY BARBOUR  
QUADRANGLE PHILIPPI

SURFACE OWNER PHILIPPI DEVELOPMENT, INC. LEASE NUMBER SEE ABOVE  
OIL & GAS ROYALTY OWNER A. CORDER, ET. AL. ACREAGE 2385.55 (20-23)  
LEASE ACREAGE 1728.38

PROPOSED WORK: DRILL  CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_  
PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE (SPECIFY) HORIZONTAL

TARGET FORMATION MARCELLUS PLUG & ABANDON \_\_\_ CLEAN OUT & REPLUG \_\_\_  
WELL OPERATOR CNX GAS COMPANY LLC ESTIMATED DEPTH TVD = 7673.41' TMD = 17066'  
DESIGNATED AGENT MATTHEW IMRICH  
ADDRESS P. O. BOX 1248 JANE LEW, WV 26378 ADDRESS P. O. BOX 1248 JANE LEW, WV 26378

COUNTY NAME PERMIT