

7,300'

LATITUDE 38°10'

LONGITUDE 82°25'

14,500'

PK NAIL IN ROOT 8" HY. REF. PK NAIL IN ROOT 10" WD. REF.

NB3°33'33"W
106.09'

N00°03'24"E
101.25'

LOC.

DETAIL
1" = 100'

REFERENCES

WILLIE KIMBLER
216/102
15 AC.

CNR #3

N06°14'44"W
3201.76'

WINFORD & NADINE BERRY
422/139
68.5 AC.

BELL HOLLOW

LEASE BOUNDARY

CALL OF SM. HY.

CALL OF B.O. CEN. OF POINT

CALL OF STK.

SURFACE LINE

LEASE BOUNDARY

CALL OF STK.

CALL OF FALLEN W.O.

HENRY & DIANE HOLLAND
539/14
21.5 AC.

SYCAMORE BRANCH

CALL OF HY.

GEORGE HOLLAND
294/97
30 AC

WINFORD & NADINE BERRY
422/139
BERRY
48-20-28 AC.

STK. SO. BK. SYCAMORE BR.
OPPO. MO. BELL HOL. W/20"
SYCAMORE PTR.

STK. ON HILLSIDE W/6" HY.
PTR. @ CALL OF BCH.

WINFORD & NADINE BERRY
422/139
4.5 AC.

BUTLER DIST.
LINCOLN DIST.

STK. CEN. RDG. W/10" C.O.
PTR. @ CALL OF GUM

BUTLER
LINCOLN

(940.5')
N07°01'01"W-1239.00'

CALL HY. ON RDG.
(NOT FOUND)

STK. ON NO. EDGE RDG.
W/4" HY. PTR. @ CALL W.O.



2.735
1.40

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

FILE NO. CNR#5. DGN
DRAWING NO. CNR NO. 5
SCALE 1"=500'
MINIMUM DEGREE OF ACCURACY 1:2500
PROVEN SOURCE OF ELEVATION SPOT ELEV. @ ROAD
INTERS. 3500' EAST OF LOC.
USGS ELEV. 1017'

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 DEPARTMENT OF ENERGY.

(SIGNED) [Signature]
R.P.E. _____ L.L.S. 647

PLACE SEAL HERE

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



DATE JANUARY, 1928
OPERATOR'S WELL NO. CNR NO. 5
API WELL NO. _____

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

47 099 01942
STATE COUNTY PERMIT

LOCATION: ELEVATION 810' WATER SHED _____ SYCAMORE BR. OF WEST FORK OF TWELVEPOLE CREEK
DISTRICT BUTLER COUNTY WAYNE
QUADRANGLE WAYNE, WV 7.5'

COUNTY NAME WAYNE
PERMIT 1977

SURFACE OWNER WINFORD & NADINE BERRY ACREAGE 28
OIL & GAS ROYALTY OWNER COLUMBIA NATURAL RESOURCES, INC. LEASE ACREAGE 1385

PROPOSED WORK: DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION BIG SIX ESTIMATED DEPTH 6-6 353
WELL OPERATOR CABOT OIL & GAS CORPORATION DESIGNATED AGENT JOHN ABSHIRE
ADDRESS 400 FAIRWAY DR. CORAOPOLIS, PENNSYLVANIA ADDRESS SAME
15108-4308

DEEP WELL

OPEN FLOW DATA

Perf'd Big Six from 3872'-3879'. Broke down with 500 gal acid. BDP: 3250 psi. Displaced with 24 bbl fluid @ 7 bpm. ISIP: 3232 psi. Treated with 7500 gals of 15% HCl gelled acid. ATP: 2800 psi. MTP: 3300 psi. ATR: 5 bpm. ISIP: 1643 psi.

FORMATION	TOP	BOTTOM	REMARKS
Sand/Shale	0	750	
Salt Sand	750	1185	
Little Lime	1185	1272	
Big Lime	1272	1517	
Injun	1517	1541	
Shale	1541	2042	
Berea	2042	2166	
Shale	2166	3175	
Onondaga	3175	3220	
Limestone	3220	3871	
Big Six	3871	3883	
Keefer	3883	3903	
Shale	3903	4090 - TD	