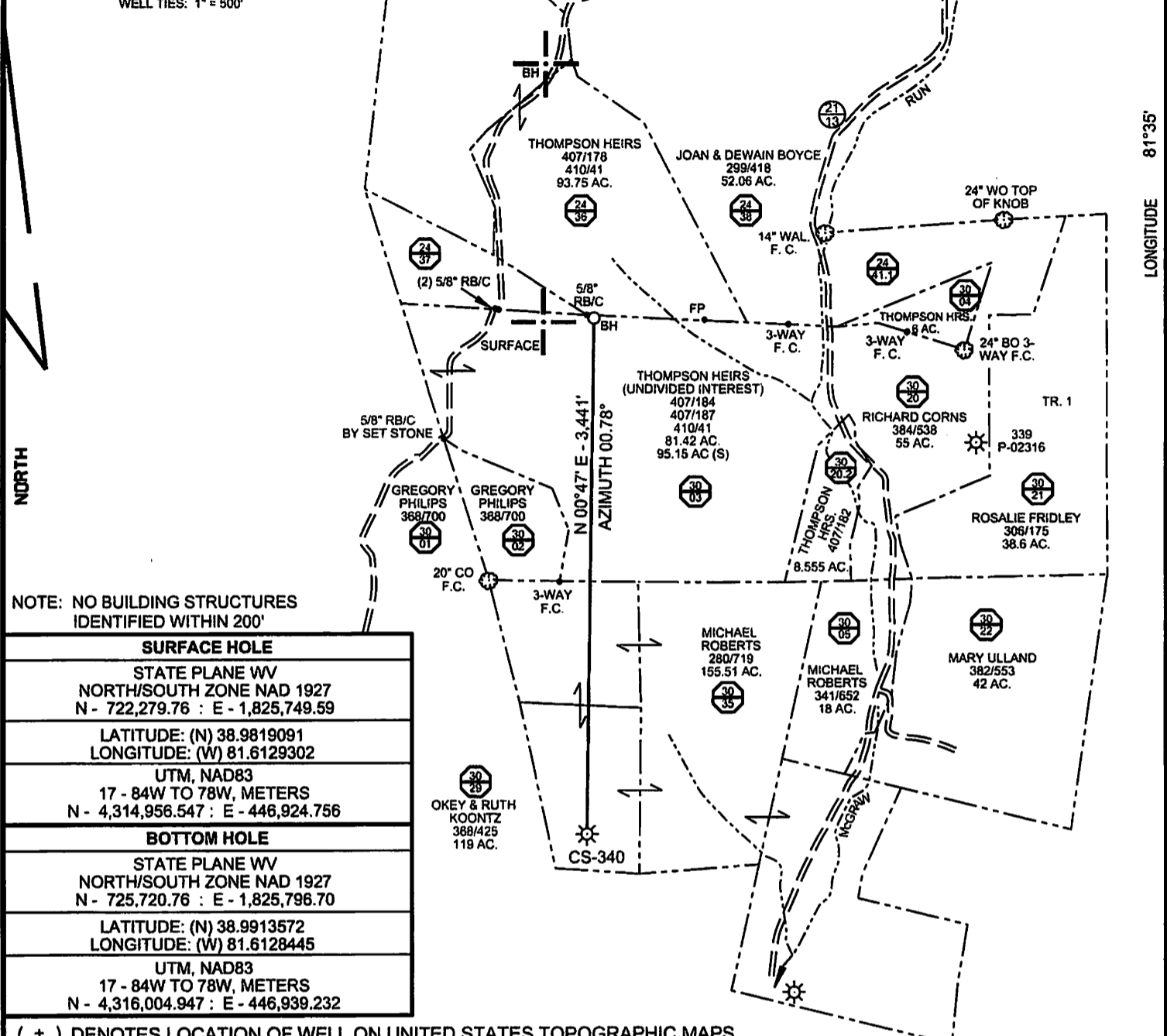
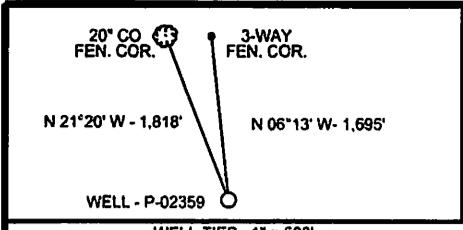


SURFACE BH ← 8,404' ← 8,378' →

NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN

LATITUDE 39°00'



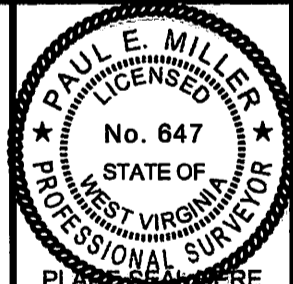
NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

SURFACE HOLE	
STATE PLANE WV NORTH/SOUTH ZONE NAD 1927 N - 722,279.76 : E - 1,825,749.59	
LATITUDE: (N) 38.9819091 LONGITUDE: (W) 81.6129302	
UTM, NAD83 17 - 84W TO 78W, METERS N - 4,314,956.547 : E - 446,924.756	
BOTTOM HOLE	
STATE PLANE WV NORTH/SOUTH ZONE NAD 1927 N - 725,720.76 : E - 1,825,796.70	
LATITUDE: (N) 38.9913572 LONGITUDE: (W) 81.6128445	
UTM, NAD83 17 - 84W TO 78W, METERS N - 4,316,004.947 : E - 446,939.232	

FILE NO.	CS-340_REV.DGN
DRAWING NO.	CS-340 REV.
SCALE	1" = 1000'
MINIMUM DEGREE OF ACCURACY	1 : 200
PROVEN SOURCE OF ELEVATION	MAPPING GRADE GPS

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 ENVIRONMENTAL PROTECTION.

(SIGNED) *Paul E. Miller*  
R.P.E. \_\_\_\_\_ L.L.S. 647



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

DATE FEBRUARY 20, 20 2013  
OPERATOR'S WELL NO. CS-340  
API WELL NO. 47 035 02359  
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 938' WATER SHED McGRAW RUN OF LEFT FORK OF SANDY CREEK  
DISTRICT GRANT COUNTY JACKSON  
QUADRANGLE LIVERPOOL, WV 7.5'

SURFACE OWNER MICHAEL ROBERTS ACREAGE VARIOUS 155.51  
OIL & GAS ROYALTY OWNER Brewer, Koontz, Thompson, et al LEASE ACREAGE 235.93  
LEASE NO. \_\_\_\_\_

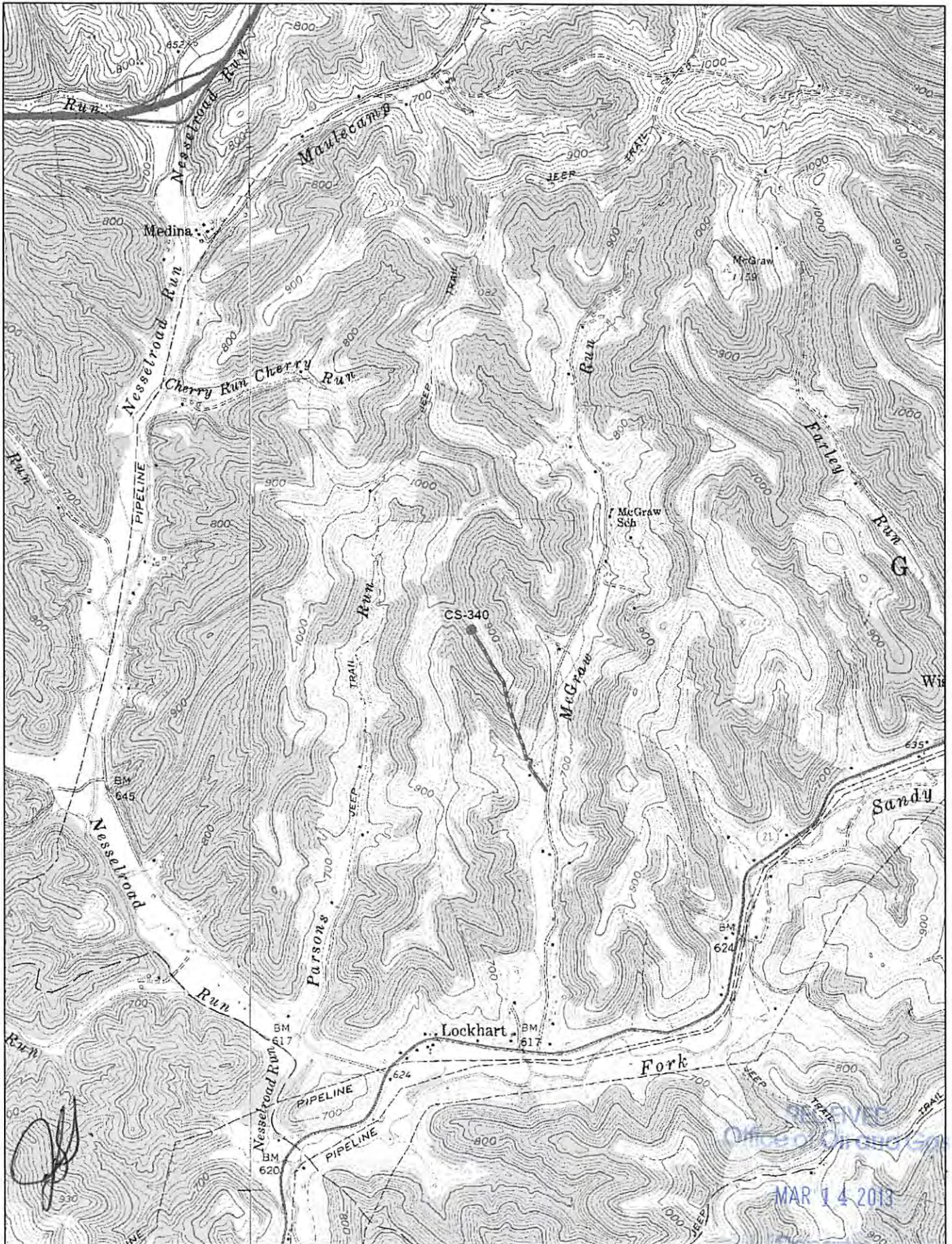
PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
TARGET FORMATION LOWER HURON ESTIMATED DEPTH 7520' MD, 4240' TVD  
WELL OPERATOR HARD ROCK EXPLORATION, INC. DESIGNATED AGENT JAMES L. STEPHENS  
ADDRESS 1244 MARTINS BR. RD., CHARLESTON, WV 25312 ADDRESS SAME

06/28/2013

FORM WW-6

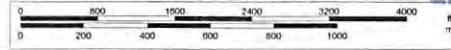
COUNTY NAME  
PERMIT



DELRME

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Zoom Level: 14-0 Datum: NAD27

Scale 1 : 24,000  
1" = 2,000 ft



Office of  
 MAR 14 2013  
 Department of  
 Environmental Protection  
 TN  
 MN  
 7.1°W