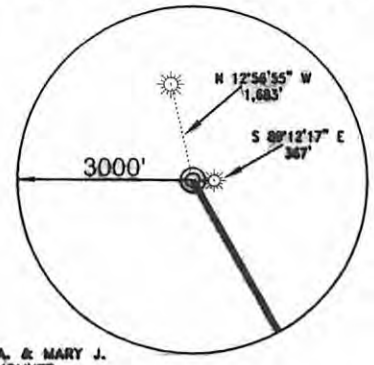


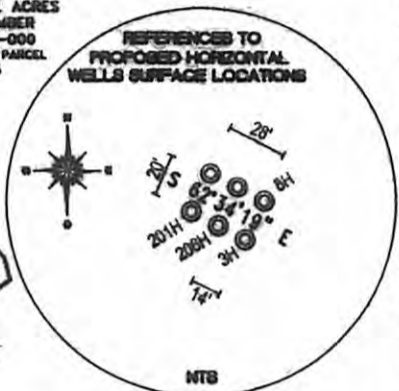
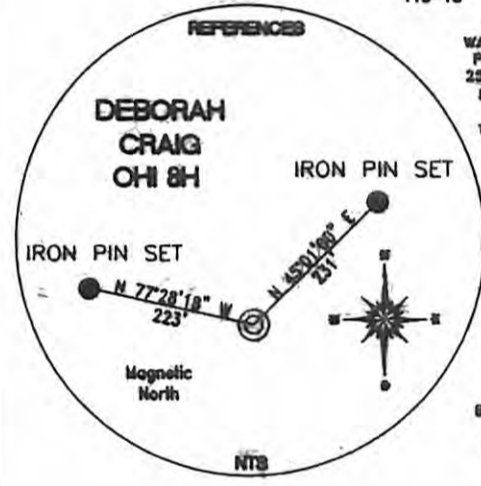
DEBORAH CRAIG OHI 8H TO SPRING #1 - N 55° 38' 23" W 831' Latitude: 40° 05' 00" (NAD 27)

|  |   |
|--|---|
| TOP HOLE (MAD 83)<br>N) 565631.2<br>E) 1664833.9<br>LAT.) 40°02'52.4"<br>LONG.) 80°35'05.0"<br>DEC. LAT.) 40.047888<br>DEC. LONG.) 80.584710 | BOTTOM HOLE (MAD 83)<br>N) 558645.2<br>E) 1668808.0<br>LAT.) 40°01'43.8"<br>LONG.) 80°34'12.8"<br>DEC. LAT.) 40.028843<br>DEC. LONG.) 80.570218 |
| TOP HOLE (MAD 87)<br>N) 565594.3<br>E) 1696268.5<br>LAT.) 40°02'52.1"<br>LONG.) 80°35'05.7"<br>DEC. LAT.) 40.047814<br>DEC. LONG.) 80.584913 | BOTTOM HOLE (MAD 87)<br>N) 558608.2<br>E) 1700242.5<br>LAT.) 40°01'43.6"<br>LONG.) 80°34'13.5"<br>DEC. LAT.) 40.028769<br>DEC. LONG.) 80.570422 |

|   |
|---|
| THIRTIETH HOLE<br>N) 4433155.0<br>E) 535424.3       |
| BOTTOM HOLE (MAD 88)<br>N) 4431047.0<br>E) 536670.6 |



Longitude: 80° 35' 00" (NAD 27)



REFERENCES NOTES  
Boundaries as shown taken from deeds, tax maps and field locations. A full boundary survey is not expressed nor implied. All bearings are based on true north. Ownership taken from public records OHIO County, West Virginia JUNE 2012  
State Plane Coordinates & MAD 83 Lat/Long by differential submeter mapping grade GPS drafted by EAL

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: *Andrew E. Benchek*

R.P.E. #18444 : Andrew E. Benchek



FILE #: CHE 083  
DRAWING #: 2066  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY: 1/200  
PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

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

OFFICE OF OIL & GAS  
601 57TH STREET  
CHARLESTON, WV 25364

Well Type:  Oil  Waste Diposal  Production  Deep  
 Gas  Liquid Injection  Storage  Shallow

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,335'

COUNTY/DISTRICT: OHIO / TRIADELPHIA QUADRANGLE: VALLEY GROVE, WV.

SURFACE OWNER: DEBORAH ANN CRAIG AND SETH COLLINS CRAIG ACREAGE: 84.63 +/-

OIL & GAS ROYALTY OWNER: DEBORAH ANN CRAIG AND SETH COLLINS CRAIG ACREAGE: 730.381 +/-

LEASE NUMBERS:

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
PLUG OFF FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON   
CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY):

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,530' TMD: 14,362'

WELL OPERATOR: CHESAPEAKE APPALACHIA, LLC. DESIGNATED AGENT: ERIC GILLESPIE  
ADDRESS: PO BOX 18496 ADDRESS: PO BOX 6070  
CITY: OKLAHOMA CITY STATE: OK ZIP CODE: 73154-0496 CITY: CHARLESTON STATE: WV 25301

SURFACE HOLE DEC. LAT. 40.047814 SURVEYED LAT. 40° 02' 52.1"

12.847