

Top Hole 11,333'

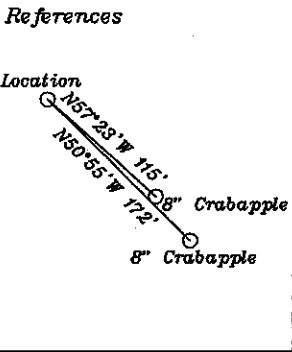
Bottom Hole 6,850'

LATITUDE 39-45-00 N

LONGITUDE 80-35-00 W

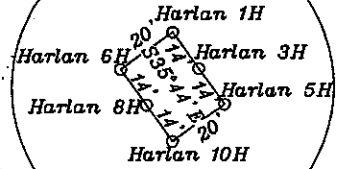
Bottom Hole 8,000'

Top Hole 5,800'



Hoy Glenn Crow
129.06 Acres

Mason Dixon
Farms L.L.C.
91.06 Ac.



Twigg
22.59 Ac.

Karr
18.3 Ac.

Neely
30 Ac.

Blair
247.05 Ac.

Blair
8 Ac.

Mason Dixon
Farms L.L.C.
32 Ac.

Morgan
32.22 Ac.

7 1/2'

Blair
19.996 Ac.

Erick
102 Ac.

Fence
Corner

Harlan
126.26 Ac.

Shawn
Harlan 10H
Top Hole

TP 10H

Morgan
59.82 Ac.

NUMBER	DIRECTION	DISTANCE
L1	N26°48'W	479'
L2	N57°17'E	1514'

7 1/2'

Erick
111.29 Ac.

Richmond
89.96 Ac.

Richmond
107.76 Ac.

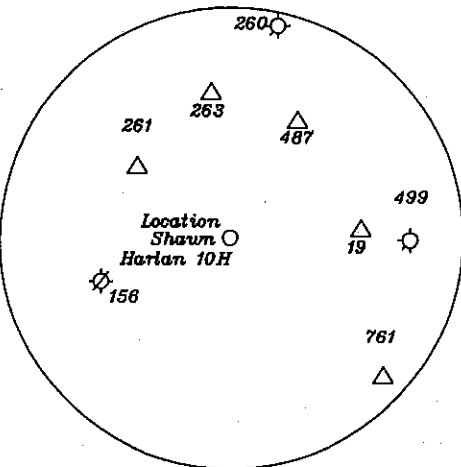
Yowonske
117 Ac.

Miceli
87 Ac.

Miceli
61.36 Ac.

Notes: Ties to wells and corners are based on State Plane Grid North-WV North Zone NAD 27.

NORTH



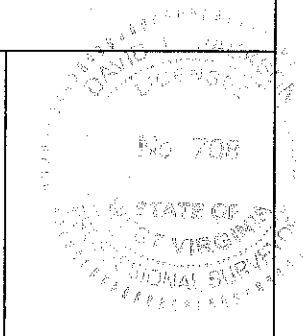
Top Hole
NAD 27-39.733710 N, 80.623494 W
State Plane NAD 27-451321.5 N, 1684037.3 E
TP 10H
NAD 27-39.736000 N, 80.619001 W
State Plane NAD 27-452140 N, 1685311 E
Bottom Hole
NAD 27-39.727885 N, 80.607447 W
State Plane NAD 27-449144 N, 1688524 E

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

FILE NO. _____
DRAWING NO. 1
SCALE 1" = 2000'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION GPS
submeter unit

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) David G. Baker
R.P.E. _____ L.L.S. 708



STATE OF WEST VIRGINIA
Division of Environmental Protection
OFFICE OF OIL AND GAS

DATE January 26, 2010
OPERATOR'S WELL NO. Shawn Harlan
API WELL NO. 831161

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

STATE 47 COUNTY 051 PERMIT 01318H
CANCELLED Revised

LOCATION: ELEVATION 1,397' WATER SHED Laurel Run
DISTRICT Liberty COUNTY Marshall
QUADRANGLE Littleton 7 1/2'

SURFACE OWNER Scott Harlan and Shawn Harlan ACREAGE 126.26 ac.
OIL & GAS ROYALTY OWNER O. E. Burge et al LEASE ACREAGE 325.84 ac.
LEASE NO. 1226242, 1229115, 1266308, 1255776 & 1225500

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

PLUG AND ABANDON CLEAN OUT AND REPLUG
TARGET FORMATION Marcellus ESTIMATED DEPTH 7,183'+ Horizontal Leg
WELL OPERATOR Chesapeake Appalachia, L.L.C. DESIGNATED AGENT James E. Grey
ADDRESS P.O. Box 18496 Oklahoma City, OK 73154-0496 ADDRESS P.O. Box 6070 Charleston, WV 25362

02/24/2012