

| LINE | BEARING | DISTANCE |
|------|---------------|----------|
| L1 | N 06°09'59" E | 219.00' |
| L2 | N 00°51'08" W | 170.01' |
| L3 | N 58°19'17" E | 79.66' |
| L4 | N 17°37'21" W | 280.10' |
| L5 | N 34°42'34" E | 68.00' |
| L6 | N 02°33'26" W | 150.00' |
| L7 | N 15°53'26" W | 60.00' |
| L8 | N 35°48'26" W | 90.00' |
| L9 | N 13°08'26" W | 60.00' |
| L10 | N 10°26'34" E | 50.00' |
| L11 | N 29°41'34" E | 70.00' |
| L12 | N 37°19'34" E | 175.00' |
| L13 | N 48°06'34" E | 132.00' |
| L14 | N 47°21'34" E | 75.00' |
| L15 | N 56°18'34" E | 50.00' |
| L16 | N 62°21'34" E | 160.00' |
| L17 | N 68°31'34" E | 60.00' |
| L18 | N 52°41'34" E | 125.00' |
| L19 | S 45°32'26" E | 90.00' |

NORTH

07251

LONGITUDE 80° 35' 00"

CARL J. HALL ET UX

HAROLD LEROY DOTY SR. ET UX

TO WEST VIRGINIA SECONDARY ROUTE 251 GRAPEVINE RIDGE

DAVID ERNEST ET AL

THOMAS J. BROWN ET AL

WELL# M-420

RONNIE E. EVANS ET UX

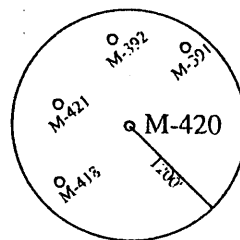
WAYNE E. GRAHAM JR. ET UX

McELROY COAL COMPANY
102± ACRES DEED
(92.48 ACRES CALC.)

TIMOTHY K. CAIN ET UX

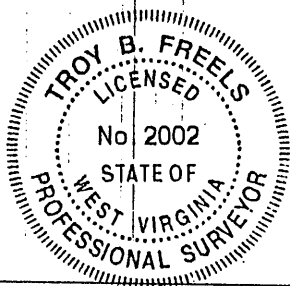
GARY RAY DOBBS

2,505
1.65W



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.

P.S. 2002 *Troy B. Freels*



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

DATE JANUARY 25, 20 02
OPERATORS WELL NO. M-420
API WELL NO. 47 - 51 - 00872P
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY: 1 / 2500 FILE NO.: M-420.DWG
SCALE: 1" = 800'
PROVEN SOURCE OF ELEVATION: COMPANY NETWORK TIED INTO U.S.G.S.

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



WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION: 1344.04' WATERSHED: MAGGOTY RUN was OSI 70026
DISTRICT: LIBERTY COUNTY: MARSHALL QUADRANGLE: CAMERON, WV 7.5'
SURFACE OWNER: McELROY COAL COMPANY ACREAGE: 102± ACRES DEED
ROYALTY OWNER: _____ LEASE ACREAGE: _____
PROPOSED WORK: _____ LEASE NO.: _____
DRILL: _____ CONVERT: _____ DRILL DEEPER: _____ REDRILL: _____ FRACTURE OR STIMULATE: _____ PLUG OFF OLD: _____
FORMATION: _____ PERFORATE NEW FORMATION: _____ PLUG AND ABANDON: X CLEAN OUT AND REPLUG: _____ OTHER: _____
PHYSICAL CHANGE IN WELL (SPECIFY): _____ TARGET FORMATION: NONE
ESTIMATED DEPTH: SEP 06 2002

WELL OPERATOR: CONSOLIDATION COAL CO. / MCELROY COAL CO.
ADDRESS: P.O. BOX 100 OSAGE, WV 26543

DESIGNATED AGENT: ROGER E. DUCKWORTH
ADDRESS: P.O. BOX 100 OSAGE, WV 26543

COUNTY NAME: MARSHALL
PERMIT: 08121

872

Liberty District, Marshall County, W. Va.
 By South Penn Oil Co.
 Located 2 mi. N. 20-25° E. of Adaline.
 Elevation, 1355' B.
 Small oil well in Gordon.

| | Top. | Bottom. |
|-------------------------------------|------|---------|
| Coal, Waynesburg "A" | 740 | - 745 |
| Coal, Mapletown (Sewickley) | 1000 | - 1002 |
| Coal, Pittsburgh | 1090 | - 1096 |
| Little Dunkard Sand (First Cow Run) | 1406 | - 1436 |
| Big Dunkard Sand | 1606 | - 1626 |
| Salt Sand | 2005 | - 2040 |
| Big Lime | 2150 | - 2185 |
| Big Injun Sand | 2185 | - 2430 |
| Stray Sand | 3050 | - 3060 |
| Gordon Sand | 3085 | - 3100 |
| Unrecorded to bottom | 3100 | - 3108 |

"In this pool in Liberty District the Gordon Sand averages about 25 feet thick. It generally has a very hard shell at the top and bottom. The best results in recovering the oil appear to be attained when the bottom shell is not entirely penetrated by the drill."

Liberty District, Marshall County, W. Va.
South Penn Oil Co.

OSI 872

| | Top. | Bottom. |
|---------------------|------|---------|
| Conductor | 0 | 16 |
| Native coal | 740 | 745 |
| Mapletown Coal | 1000 | 1002 |
| Pittsburgh Coal | 1090 | 1096 |
| Little Dunkard Sand | 1406 | 1436 |
| Big Dunkard Sand | 1606 | 1626 |
| Salt Sand | 2005 | 2040 |
| Big Lime | 2150 | 2185 |
| Big Injun Sand | 2185 | 2430 |
| Stray Sand | 3050 | 3060 |
| Gordon Sand | 3085 | 3100 |
| Total depth | | 3108 |