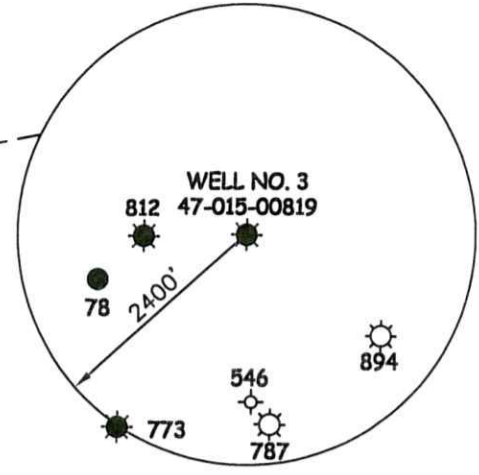


PAUL F. MURPHY ET AL. LEASE
104 ACRES
WELL NO. 3
47-015-00819

3-4-29
WVR SUMMERS
ET UX.
105 AC.

(UTM(M) ZONE 17)
NAD'83 GEO. LAT-(N) 38.552013 LONG-(W) 81.116617
NAD'83 UTM (M) N. 4,267,071 E. 489,839



3-4-35
BEN C. COTTRELL
HEIRS
43.25 AC.

3-4-39
MARIE
HANSHAW
85.42 AC.

3-4-37
NANCY MAY
LINZ
9.00 AC.

P/O 3-4-39
MARIE
HANSHAW
85.42 AC.

3-4-73.4
TIMMY BROWN
ET UX.
1.46 AC.

3-4-36
CHARLES D. &
ANNETTE N.
ROGERS
27.78 AC.

3-4-39.1
MARIE
HANSHAW
17.80 AC.

NAD'83 GRID NORTH

WELL NO. 3
47-015-00819

S 86°15' E

47-015-00812

949.93'

S 47°14' E
619.40'

3-4-73
PEARL
PAXTON
67.27 AC.

3-4-74
LARRY HUDSON
ET UX.
12.6 AC.

3-4-77
CRYSTAL MAY
BOGGS
1.19 AC.

3-4-38
WALLBACK
METHODIST
CHURCH
LOT

HORSE RUN

LEGEND

- LEASE LINE
- SURFACE LINE
- TIE LINE
- CREEK
- ROAD
- COUNTY ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- DISTRICT-TAXMAP-PARCEL 00-00-00

NOTES ON SURVEY

1. WELL SPOT CIRCLE & TOPO
MARK SCALE IS 1"=2000'.



12 Vanhorn Drive | P.O. Box 180 | Glenville, WV 26351 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296

RECEIVED
Office of Oil and Gas

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 DIVISION OF ENVIRONMENTAL PROTECTION.



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

DATE FEBRUARY 22, 20 23

REVISOR WV Department of Environmental Protection

OPERATORS WELL NO. WELL NO. 3

API WELL NO. 47 - 015 - 00819-P

STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 9357-SURV-4701500819-MT-R00-23-0228.dwg

HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SUBMETER MAPPING GRADE TIE TO CORS NETWORK) SCALE 1" = 500'

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



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

LOCATION: ELEVATION 862' WATERSHED CAMP RUN

DISTRICT HENRY COUNTY CLAY QUADRANGLE IVYDALE 7.5'

SURFACE OWNER CHARLES D. & ANNETTE N. ROGERS ACREAGE 27.78±

ROYALTY OWNER I.L. MORRIS & MIKE ROSS ACREAGE 104±

PROPOSED WORK: LEASE NO. 04/14/2023

DRILL _____ CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD

FORMATION _____ PERFORATE NEW FORMATION _____ PLUG AND ABANDON CLEAN OUT AND REPLUG _____ OTHER _____

PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION INJUN

ESTIMATED DEPTH 1872'

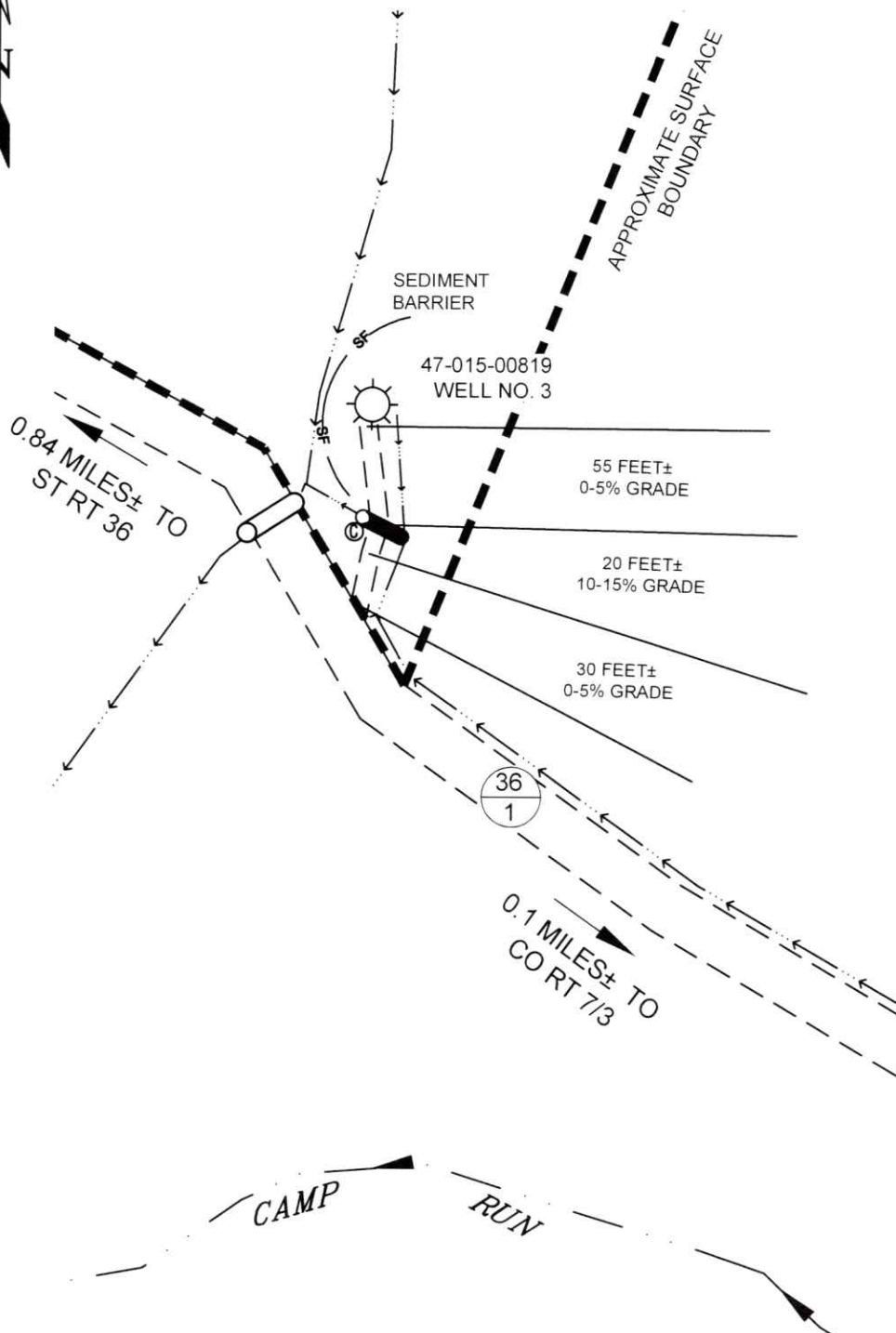
WELL OPERATOR UNKNOWN WVDEP PAID PLUGGING CONTRACT DESIGNATED AGENT JASON HARMON, WVDEP

ADDRESS 601 57TH STREET ADDRESS 601 57TH STREET

CHARLESTON, WV 25304 (WVDEP) CHARLESTON, WV 25304

COUNTY NAME PERMIT

47-015-00819



ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATION. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

EARTHWORK CONTRACTOR RESPONSIBLE FOR NOTIFICATION TO THE OPERATING AGENCY TO APPROVE ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEEDING AND MULCHING SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT & STACK AND MARKED FOR REMOVAL
 STACKED BRUSH MAY BE USED FOR SEDIMENT CONTROL.

APPLICATIONS FOR SEPARATE PLC PERMITS ON THE ACCESS ROAD STREAM CROSSINGS HAVE BEEN PREPARED (IF APPLIES).

- = EXISTING CULVERT
- = PROPOSED CULVERT 15' MIN UNLESS OTHERWISE NOTED
- = PROPOSED STREAM CROSSING
- = APPROXIMATE LIMITS OF LEASE

04/14/2023



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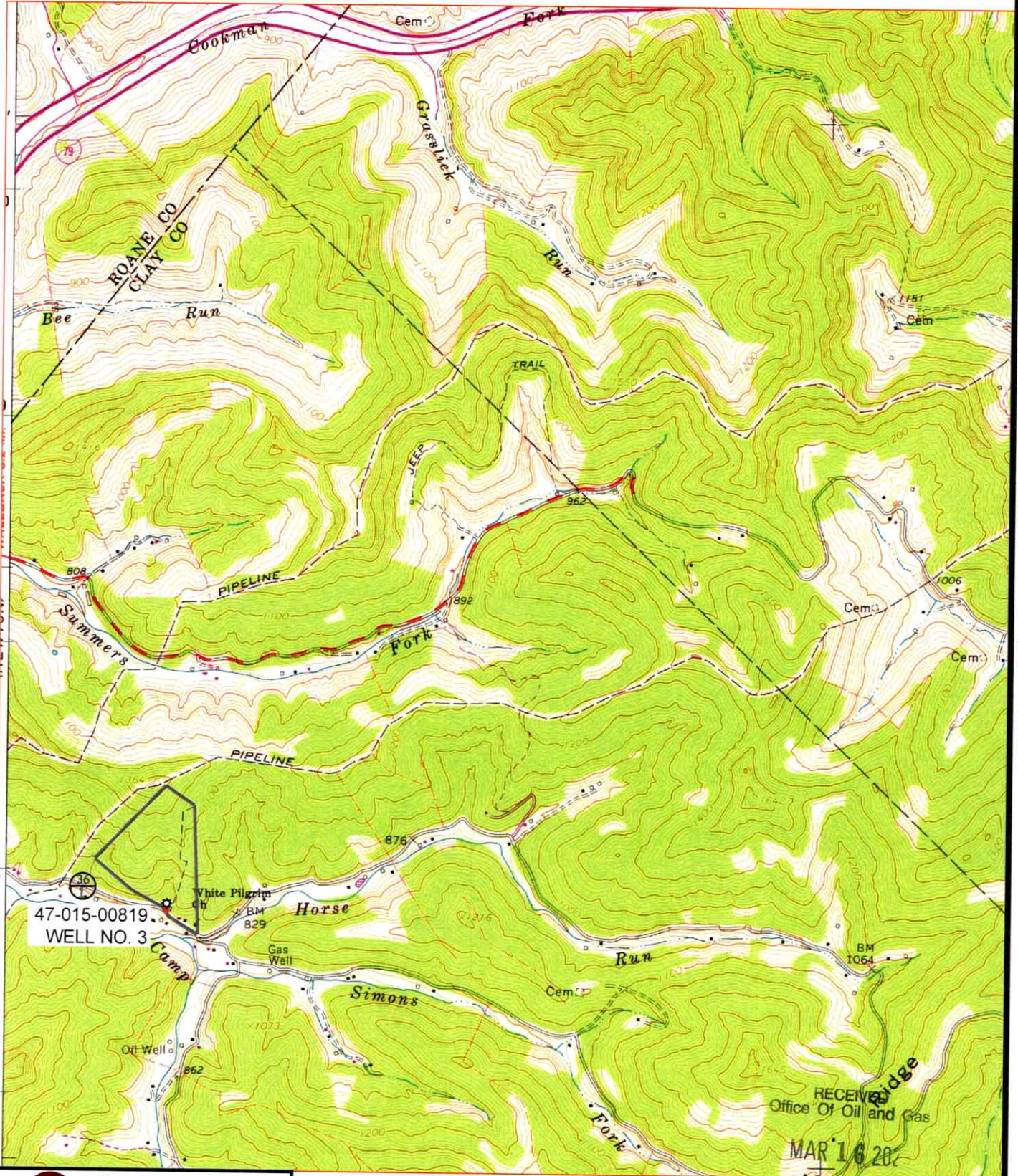
solv.com

SCALE: 1"=100'



| | | | |
|-----------------|------------------|-----------------|--|
| DRAWN BY MRH | FILE NO. 9357 | DATE 2-27-23 | CADD FILE: 9357-SURV-REC-R00-MRH-230227.DWG |
|-----------------|------------------|-----------------|--|

PAUL F. MURPHY, ET AL LEASE 47-015-00819



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slsww.com

SCALE: 1"=2000'

0' 2000' 4000'



WV Department of Environmental Protection

MAR 16 2023

TOPO SECTION OF IVYDALE, WV
7.5' TOPO QUADRANGLE

04/14/2023

| | | | |
|-----------------|------------------|-----------------|---|
| DRAWN BY MRH | FILE NO. 9357 | DATE 2-28-23 | CADD FILE: 9357-SURV-TOPO-R00-MRH-230227.DWG |
|-----------------|------------------|-----------------|---|