

WW-9

## HANSEN 5H

SUPPLEMENT PG 1

SHEET 1

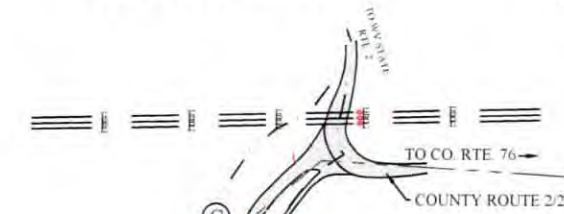
REFERENCE IS HEREBY MADE TO THE WV DEP OFFICE OF OIL & GAS "EROSION AND SEDIMENT CONTROL FIELD MANUAL" FOR REQUIREMENTS AND BMPs FOR AVERAGE FIELD CONDITIONS CONCERNING THE MAINTENANCE OF EXISTING ROADS AND THE CONSTRUCTION OF PROPOSED ROADS. FIELD CONDITIONS MAY REQUIRE VARIANCE FROM THESE GUIDELINES AND THE EARTHWORK CONTRACTOR IS RESPONSIBLE FOR NOTIFICATION TO THE INSPECTOR AND THE OPERATOR SHOULD THESE CONDITIONS OCCUR.

INSTALL CULVERTS AS SHOWN ON RECLAMATION PLANS OR AS FIELD CONDITIONS REQUIRE.

ENTRANCES ONTO PUBLIC ROADS SHALL BE CONSTRUCTED OR MAINTAINED IN ACCORDANCE WITH WV DOT REGULATIONS. ADDITIONAL PERMITS MAY BE REQUIRED. TEMPORARY SEED AND MUCH ALL SLOPES UPON CONSTRUCTION OF LOCATION.

ALL CUT AND FILL SLOPES ARE 2H:1V SLOPE

ALL TREES 6-INCHES AND ABOVE ARE TO BE CUT AND STACKED BRUSH SLASHINGS ARE TO BE UTILIZED DOWN SLOPE OF SITE AND STRUCTURES TO ACT AS A CONTROL BARRIER IF AVAILABLE



DRAWING NOT TO SCALE

COVESTRO, LLC  
05-28-9  
93.40 AC

ACCESS ROAD

663' @ 0% TO 16% GRADE

COVESTRO, LLC  
05-28-8  
56.32 AC

215' @ -3% TO -9% GRADE

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Environmental Protection

CARL L. COFFIELD  
SR & LANA R.  
COFFIELD  
05-28-7  
64 AC

494' @ 0% TO 4% GRADE

137' @ -2% TO -4% GRADE

GRAVEL ROAD

CEMETERY

ACCESS ROAD

COVESTRO, LLC  
05-27-22  
172.79 AC

572' @ 0% TO 2% GRADE

239' @ -4% TO -8% GRADE

COVESTRO, LLC  
05-27-20  
93.03 AC

## LEGEND

⊙ — Denotes existing culvert with appropriate sediment outlet control (Rip Rap splash pad)

— SF — Silt Fence and or Sediment and Erosion Control Measure  
— — — Surface Boundary  
— E — Overhead Utility

SHEET 1  
SHEET 2

DATE: 01/20/2025

PROJECT NO: HANSEN 5H

03/21/2025

Strader Gower  
2/06/2025

WW-9

## HANSEN 5H

SUPPLEMENT PG 1

SHEET 2

REFERENCE IS HEREBY MADE TO THE WV DEP OFFICE OF OIL & GAS "EROSION AND SEDIMENT CONTROL FIELD MANUAL" FOR REQUIREMENTS AND BMPs FOR AVERAGE FIELD CONDITIONS CONCERNING THE MAINTENANCE OF EXISTING ROADS AND THE CONSTRUCTION OF PROPOSED ROADS. FIELD CONDITIONS MAY REQUIRE VARIANCE FROM THESE GUIDELINES AND THE EARTHWORK CONTRACTOR IS RESPONSIBLE FOR NOTIFICATION TO THE INSPECTOR AND THE OPERATOR SHOULD THESE CONDITIONS OCCUR.

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529' @ 0% TO 15% GRADE

COVESTRO, LLC  
05-27-22  
172.79 AC

ACCESS ROAD

SHEET 1  
SHEET 2

CLEARING LIMITS

693' @ -1% TO -6% GRADE

306' @ 0% GRADE

302' @ -6% TO -12% GRADE

23' @ 0% GRADE

EPHEMERAL STREAM

COVESTRO, LLC  
05-27-22  
172.79 AC

INTERMITTENT STREAM

CLEARING LIMITS

COVESTRO, LLC  
05-27-21  
22.67 AC

SUMP

SUMP

SUMP

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WETLAND AREA

BORROW &amp; STOCKPILE AREA

COVESTRO, LLC  
05-27-26  
39.32 AC

DATE: 01/20/2025

PROJECT NO: HANSEN 5H

DRAWN BY: ZCS

Strader Gower  
02/06/2025

## LEGEND

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— Silt Fence and or Sediment and Erosion Control Measure  
— Surface Boundary  
— Overhead Utility



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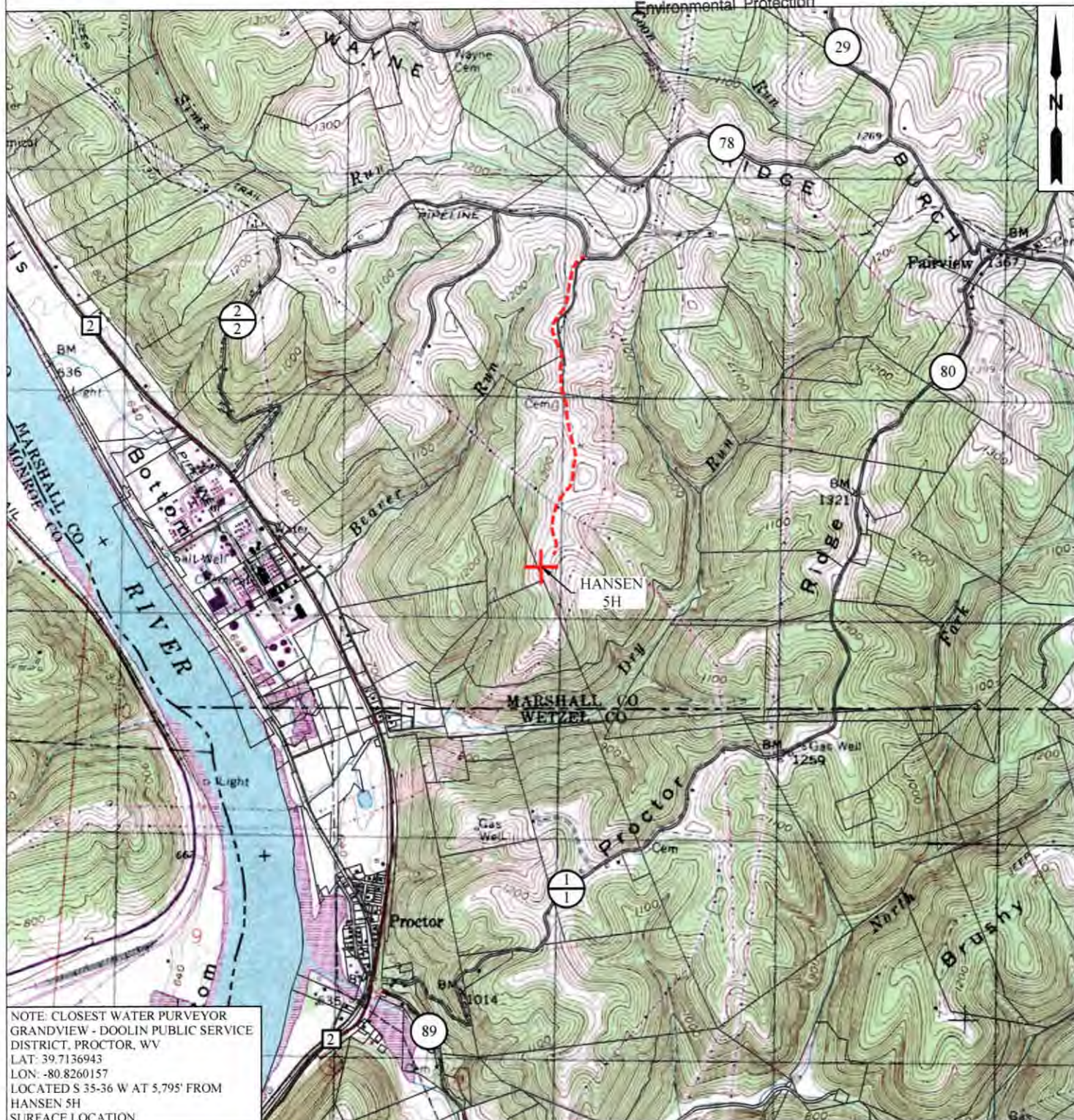
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SUPPLEMENT PG 2

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NOTE: CLOSEST WATER PURVEYOR  
GRANDVIEW - DOOLIN PUBLIC SERVICE  
DISTRICT, PROCTOR, WV  
LAT: 39.7136943  
LON: -80.8260157  
LOCATED S 35-36 W AT 5,795' FROM  
HANSEN 5H  
SURFACE LOCATION



| OPERATOR                                                           | 306686 | TOPO SECTION          | LEASE NAME                     |
|--------------------------------------------------------------------|--------|-----------------------|--------------------------------|
| EQT PRODUCTION COMPANY<br>400 WOODCLIFF DR<br>CANONSBURG, PA 15317 |        | NEW MARTINSVILLE 7.5' | HANSEN                         |
|                                                                    |        | SCALE                 | DATE                           |
|                                                                    |        | 1" = 2000'            | DATE: 01/20/2025<br>03/21/2025 |

DATE: 01/20/2025  
03/21/2025  
Strader Gamm  
02/06/2025



6,420'

8,485'

LATITUDE 39° 45' 00"

**HANSEN LEASE**  
**WELL NO. 5H**  
**487.56± ACRES**

NOTES  
OWNERSHIP TAKEN FROM PUBLIC RECORDS OF MARSHALL COUNTY, WV IN MARCH, 2013.  
COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS. WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.

REFERENCES  
HANSEN NO. 5H  
S 78° 18' E 272.4'  
S 61° 54' E 252.0'  
8° SUMAC  
4° LOCUST  
SCALE 1" = 200'

LEGEND  
--- LEASED TRACTS  
--- INTERIOR MINERAL TRACTS  
--- SURFACE TRACTS  
--- HARD LEASE LINE

SURFACE HOLE  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,397,448.1  
E) 515,917.3

LANDING POINT 1  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,396,993.6  
E) 516,452.5

BOTTOM HOLE  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,395,614.7  
E) 517,008.6

LONGITUDE 80° 47' 30"

GRID NORTH  
S 18° 47' W 2131.1'  
1/2" REBAR (FND.)  
27-21 BAYER MATERIAL SCIENCES, LLC 22.67 ACRES  
01653 01651 01654 01650 01648 01647 01646  
27-22 BAYER MATERIAL SCIENCES, LLC 172.78 ACRES  
1590.7'  
GASTAR LEASE WV16-0078-001  
GASTAR LEASE WV16-0079-001  
27-23 ROBERT ROTHLSBERGER 35.77 ACRES  
27-24 ROBERT ROTHLSBERGER 50.0 ACRES  
27-25 JAMES RICHMOND 41.35 ACRES  
1-2 IRVIN HOYT, JR. 35.9 ACRES  
1-3 KEITH ACKER, ET AL 101.0 ACRES  
1-4 GEORGE BOOTH, JR. 117 ACRES  
1-5 BENJAMIN ACKER 169.67 ACRES  
1-6 EDWARD HAMANN 36.5 ACRES  
1-7 CHARLES FROMMAPP 126 ACRES  
1-8 WEST 2-85-5' BOTTOM HOLE  
1-9 F. CECIL  
1-10 ROBERT HAMMETT 112.0 ACRES  
1-11 K. WAYMAN, ET AL 2 ACRES  
1-12 JEEP TRAIL  
1-13 SURFACE HOLE  
1-14 AS-DRILLED  
1-15 B.H.  
1-16 NORTH  
1-17 FORK  
1-18

NOTE: BORE PATH BASED ON GRID NORTH.

HANSEN NO. 5H  
01653 01651 01654 01650 01648 01647 01646  
HORIZONTAL PATH  
0108-P  
0096-P

(\*) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS #84 ACRES

FILE NUMBER **W0120318 (WB1-62)**

DRAWING NUMBER **HANSEN\_WP\_5H-WR35**

SCALE **1" = 1000'**

MINIMUM DEGREE OF ACCURACY **1/200**

PROVEN SOURCE OF ELEVATION **SUBMETER 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

P.S. *Jonathan N. White*

SEAL

DATE: **JULY 28, 2015**

OPERATORS WELL NO. **HANSEN NO. 5H AS-DRILLED**

API WELL NO. **47-051-01649**

STATE **COUNTY** **PERMIT**

LOCATION ELEVATION **1245'** WATERSHED (HUC 10) **FRENCH CREEK - OHIO RIVER (0503020110)**

DISTRICT **FRANKLIN** COUNTY **MARSHALL**

QUADRANGLE **NEW MARTINSVILLE 7.5'** LEASE NUMBER **WV16-0099-000, WV62-0003-001**  
**WV16-0076-001, WV18-0127-001**

SURFACE OWNER **BAYER MATERIAL SCIENCES, LLC** ACREAGE **172.79**

OIL & GAS ROYALTY OWNER **PPG INDUSTRIES, INC., et al** LEASE ACREAGE **487.56**

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

TARGET FORMATION **MARCELLUS** ESTIMATED DEPTH **TVD: 6532' TMD: 12,203'**

WELL OPERATOR **GASTAR EXPLORATION INC.** DESIGNATED AGENT **MICHAEL McCOWN**

ADDRESS **229 W MAIN STREET, SUITE 301** ADDRESS **229 W MAIN STREET, SUITE 301**  
**CLARKSBURG WV, 26301** **CLARKSBURG WV, 26301**

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