



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffiman, Cabinet Secretary
www.dep.wv.gov

December 12, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-5100739, issued to EAGLE NATRIUM LLC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.



James Martin
Chief

Operator's Well No: 19
Farm Name: PPG INDUSTRIES, INC.
API Well Number: 47-5100739
Permit Type: Plugging
Date Issued: 12/12/2014

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

1) Date 10/28, 2014
2) Operator's
Well No. 19 Brine Well
3) API Well No. 47-051 - 0739

5100739P

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ___ / Gas ___ / Liquid injection Brine / Waste disposal ___ /
(If "Gas, Production ___ or Underground storage ___) Deep ___ / Shallow ___

5) Location: Elevation 642 ft. - 6 in. Watershed Ohio River
District Franklin County Marshall Quadrangle New Martinsville, WV

6) Well Operator Eagle Natrium, LLC 7) Designated Agent J. Thomas Horan
Address P.O. Box 191 Address P.O. Box 191
New Martinsville, WV 26155 New Martinsville, WV 26155(S)

8) Oil and Gas Inspector to be notified Name _____ Address _____
9) Plugging Contractor Name _____ Address _____

10) Work Order: The work order for the manner of plugging this well is as follows:
(See attached document)

MUST USE LATEX CEMENT
WHERE THE POSSIBILITY OF
HYDROGEN SULFIDE EXISTS.
g... 12/12/14

OK of NMA
12/13/14

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector Received Date _____

Office of Oil & Gas

OCT 29 2014

12/12/14

Proposed Plugging Procedure

API

Well #47-051-0739

Axiall No. 19 Brine Well

October 28, 2014

- 1) Release packer and pull the 7 in. liner @ the bottom of the well. Cut packer if required to release.
- 2) Set a bridge plug in the 9-5/8 in. casing @ approx. 6200 ft. (perform a scraper run prior).
- 3) USE LUTEX CEMENT JWM Set a Class A Cement Plug from approx. 6200 - 5000 ft. (across the Marcellus Shale). Wait an 4 Hours hour and tag the top of cement (TOC) to verify top of cement. Add cement to attain an approx. 5000 ft. depth, ~~if necessary.~~
- 4) Gel hole from the TOC to approx. 2000 ft.
- 5) Freepoint the 9-5/8 in. casing. The casing should be loose between ~1400' 1000 - 1950 ft. Cut the casing at the freepoint and remove the loose casing. In the event the 9-5/8 in. casing cannot be removed an alternate procedure will be utilized. The 9-5/8 in. casing will be perforated starting at 1950 ft. and at 250 ft. increments above this location. Class A Cement will be spotted (balanced) both inside and outside of the 9-5/8 in. casing to surface.

Assuming the 9-5/8 in. casing is removed:

- 6) Gel hole from approx. 2000 ft. to 1550 ft.
- 7) Set a Class A Cement Plug from approx. 1550 ft. to 1350 ft.
- 8) Gel hole from approx. 1350 ft. to 300 ft. 1150'
- 9) Set a Class A Cement Plug from approx. 300 ft. to surface. 1150' - 325' (COALS)
- 10) 9a → Set a monument at the surface of well as per WV DEP standards.

9a. GEL HOLE FROM 325' TO 325'.

9b. SET A CLASS A CEMENT PLUG FROM 325' TO SURFACE.

* ALL PLUGS MUST BE CLASS A CEMENT WITH NO MORE THAN 3% CaCl₂ AND NO OTHER ADDITIVES.

* GEL SPACERS BETWEEN ALL CEMENT PLUGS, SO ENTIRE WELLBORE IS FILLED.

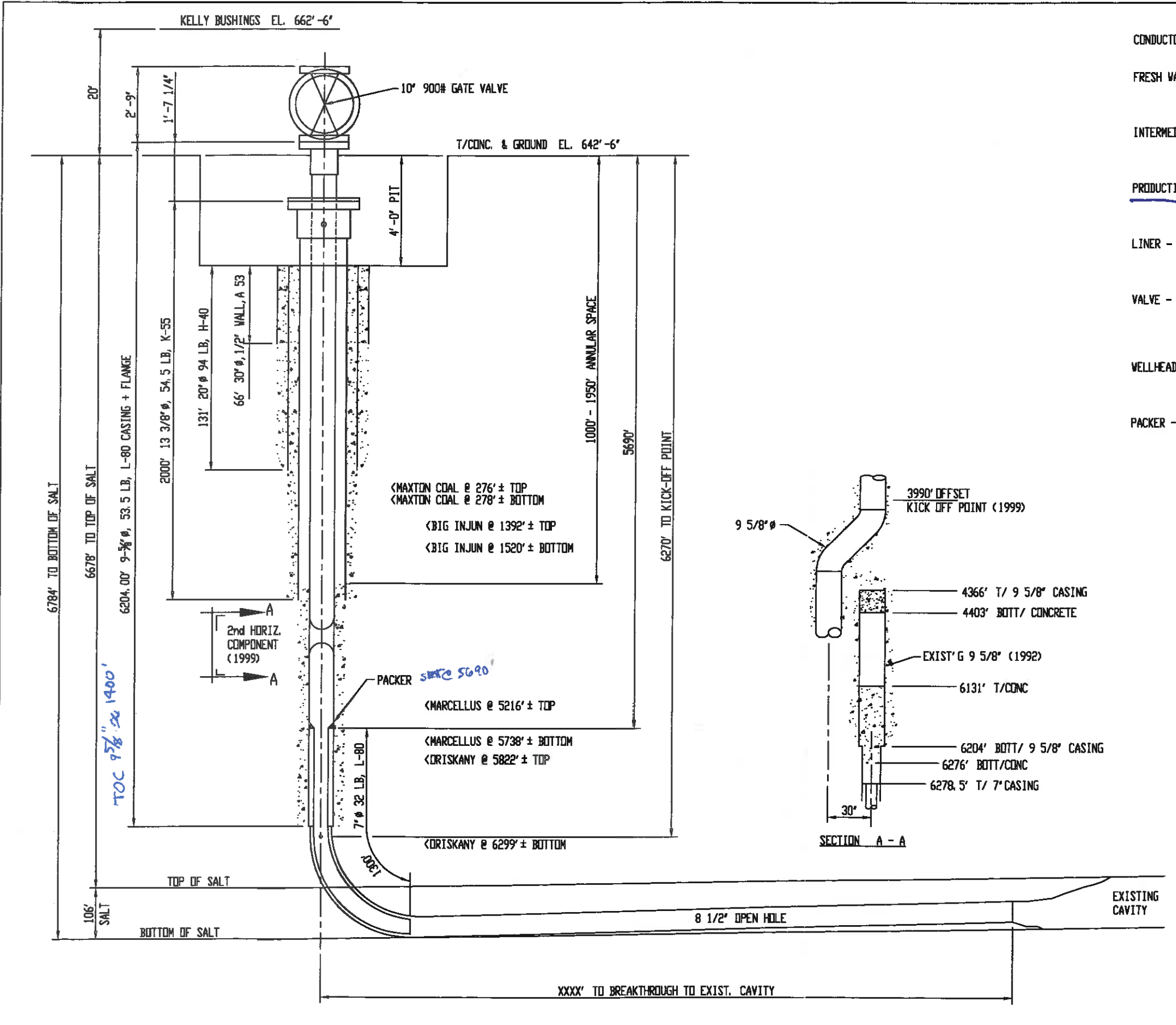
A GEL IS DEFINED AS FRESH WATER WITH A MINIMUM OF 6% BENTONITE, BY WEIGHT, AND NO OTHER ADDITIVES.

Received

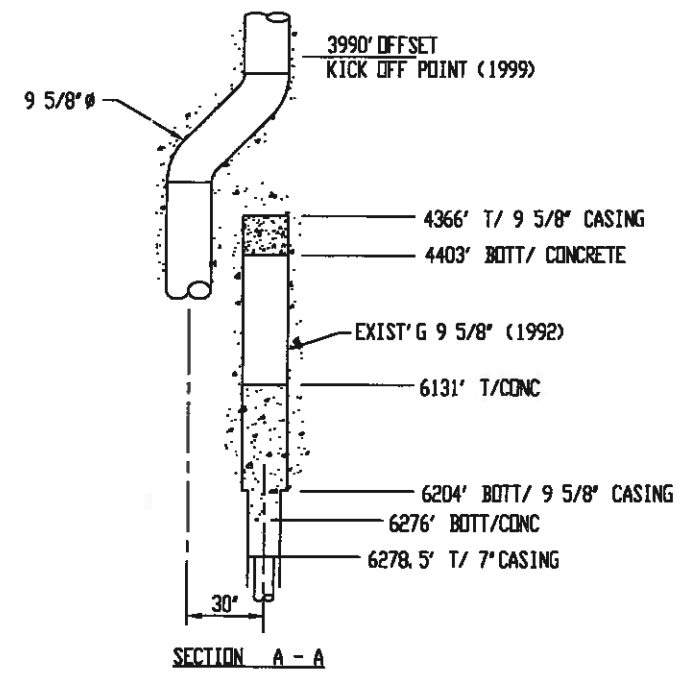
Office of Oil & Gas

OCT 29 2014

12/12/14



- CONDUCTOR PIPE - 30" A53, 118.7 LB/FT, 66' SET, NOT CEMENTED, WELDED.
- FRESH WATER PIPE - 20" H40, 94 LB/FT, 131' SET, CEMENTED TO SURFACE, 8 RND. THRD. & COUPLED, WELDED.
- INTERMEDIATE - 13 3/8" K-55, 54.5 LB/FT, 2000' SET, CEMENTED TO SURFACE, 8 RND. THRD. & SHORT COUPLED, RANGE 3, ERV.
- PRODUCTION - 9 5/8" L-80, 53.5 LB/FT, 6204' SET, CEMENTED TO 1000', 8 RND THRD. & LONG COUPLED, RANGE 3, SEAMLESS.
- LINER - 7" L-80, 32 LB/FT, 1300' SET, NOT CEMENTED, HYDRIL 521 THRD, RANGE 3, SEAMLESS.
- VALVE - 10" DIA ANSI CLASS 900# FLANGED GATE VALVE, SOLID WEDGE, 13% CHROME TRIM, HARD FACED SEATS
- WELLHEAD - 13 5/8" x 9 5/8", HANGER SLIPS, 3000# SOLID FORGING, TOP PACKING, TOP PROTECTION FLG. ERC INDUSTRIES CIW, AW
- PACKER - WEATHERFORD MODEL CSP LINER PACKER, 7" 32 LB/FT x 9 5/8" 53.5 LB, HYDRIL 521 PIN DOWN, 8.25" TOOL D. D.



ORIGINAL OPEN HOLE (1992)
 T. D. 1661.5' N. OF SURFACE
 373.3' W. OF SURFACE
 DISTANCE = 1702.9' (HORIZONTAL)
 BEARING = 12° 40' W.

| REV. BY | DATE | DESCRIPTION |
|---------|---------|-----------------------|
| 1a | 9/30/14 | ADDED ROCK FORMATIONS |
| | | |
| | | |

| |
|--|
| DEPT: 70 - IRINE |
| TITLE: 819 BRINE WELL -- API #47-051-0739 (AS-BUILT) (REBRAIN MARCH 2014) |
| DRAWING TYPE: MECHANICAL PROCESS EXPT MFE |
| EQUIPMENT No: 7000-115-0019 |
| DRAWN: H. HUSARIK DATE: 03/20/2014 |
| CHECKED: S. CLARK DATE: 03/21/2014 |
| APP' VD: DATE: |
| SCALE: NONE ACAD YES |
| JOB No: P-371-F & P-212-G |
| DWG: 70-2645 |

UIC - IR - 1
September 03, 2009

API: 47- 5100739 ^P
UIC Permit ID: 3S05101AP
UIC Permit #: 1

WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS
UNDERGROUND INJECTION CONTROL PROGRAM

UIC ROUTINE INSPECTION FORM

Operator: PPG INDUSTRIES INC
Farm Name: PPG INDUSTRIES, INC.
Well Number: 19

WELL DATA

County: Marshall Latitude: 39° 45 min 0 sec 3850 feet
District: Franklin Longitude: -80° 50 min 0 sec 3000 feet
Quad Number: 509 Quad Name: NEW MARTINSVILLE
Well Status: Active Well Well Status: Active
Well Use Type: Class III Injection Date of Last Inspection: Apr 14, 1999
Fluid Type: Fresh Water

Comments: RIG REMOVING CORRODED 7" LINER; WELL IS HORIZONTAL; WILL DRILL NEW SECTION

Elevation: 642 feet

Fresh water Casing: 20 in. @ 131 ft./ 234 (sks)

Injection Casing: 9 5/8 in. @ 6204 ft./ 2029 (sks)

Injection Formations:

#1 - Salina - Top @ 6682 ft./Bottom @ 6796 ft.

MIT Test Type: Annulus pressure passed

MIT Test Date: Aug 07, 2009

Passed MIT
7/29/09

per Jake Whitehead 1896

WELL OPERATION

Surface Injection Pressure: 1000 Psi Gauged: _____
Injection Rate: _____ Barrels/Hr. Observed: _____
Annulus Monitoring: Size: 7" Size: 9 5/8"
Flow or Pressure: _____

COMMENTS:

Signed: James Peters
District Oil and Gas Inspector
Date: 8/31/09

Date: 7-29 2009
 Operator's Well No. #19 BRINE WELL
 API No. 47-051-00739 P

**STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENT-OFFICE OF OIL AND GAS
 PRE-OPERATION CERTIFICATE
 FOR LIQUID INJECTION OR WASTE DISPOSAL WELL**

WELL OPERATOR PPG INDUSTRIES, INC. **DESIGNATED AGENT** J. THOMAS HORAN
 Address PO BOX 191 Address PO BOX 191
NEW MARTINSVILLE, WV 26155 NEW MARTINSVILLE, WV 26155

GEOLOGICAL TARGET FORMATION SALINA SALT Depth 6682 feet(top) to 6796 feet(bottom)
 Virgin reservoir pressure in target formation N/A psig
 Source of information on virgin reservoir pressure: N/A
 Perforation intervals N/A Open-hole intervals N/A

MAXIMUM PERMITTED INJECTION OPERATIONS
 Well head injection pressure: 1000 psig Bottom hole pressure: 4530 psig
 Volume per hour: N/A

DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED
 Liquids to be injected for oil recovery: N/A
 Wastes to be disposed of: N/A
 Additives (Slurry mediums, inhibitors, solvents, oxidizers, deoxidizers, etc.)
N/A

SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL N/A

ADDITIONAL DRILLING AS PART OF THE CONVERSION (Complete form WR-35)

DETAILS ON NEW CASING AND TUBING PROGRAM AS PART OF THE CONVERSION (To be completed below unless the new casing and tubing program is described on a form WR-35, submitted in connection with the permit to which this form WR-37 relates.)

| CASING OR TUBING TYPE | SIZE | GRADE | WEIGHT PER FT. | NEW | USED | FOOTAGE USED IN DRILLING | FOOTAGE LEFT IN WELL | CEMENT USED | PACKERS (KIND, SIZE, DEPTH SET) |
|-----------------------|---------|-------|----------------|-----|------|--------------------------|----------------------|-------------|---------------------------------|
| CONDUCTOR | 30" | A-53 | 118# | X | | 72.60' | 66.10' | | |
| FRESH WATER | 20" | H-40 | 94# | X | | 131.05' | 131.05' | 234 SKS | ARROW |
| COAL | | | | | | | | | ZINER |
| INTERMEDIATE | 13 3/8" | K-55 | 54.5# | X | | 2000.25' | 2000.25' | 1852 SKS | HANGER |
| PRODUCTION | 9 5/8" | L80 | 53.5# | X | | 6202' | 6202' | 326 BBL'S | SEAT |
| TUBING | | | | | | | | | |
| LINERS | 7" | L80 | 32# | X | | 1307' | 1307' | | |

TOC 9 5/8" ≈ 1400'

3
* power washer
* Test with a gauge for 20 minutes
* chart recorder stopped moving
* Was witnessed on site for PPG
51-00739 P

MECHANICAL INTEGRITY TEST

Test Method: A TEST PLUG WAS SET AT 2010. THE 9 5/8" CASING
WAS THEN PRESSURIZED TO 1600 LBS. AFTER 20 MINUTES THE
PRESSURE WAS 1595 LBS FOR A LOSS OF 5 LBS.
THE CHART RECORDER FAILED TO OPERATE DURING THE TEST
SO THERE IS NO CHART ATTACHED.

The undersigned certifies that the test was performed on JULY 29, 2009 and demonstrated mechanical integrity of the well. The test was witnessed by * SEE NOTE BELOW representing the Office of Oil and Gas.

PPG INDUSTRIES, INC.
Well Operator

8/7/09
Date

THIS WELL IS AUTHORIZED FOR INJECTION.

Signed James Peterson UIC PROGRAM DIRECTOR
Date 8/21/09

[NOTE: That the mechanical integrity of this well must be demonstrated again within ninety (90) days of five years from this date in order for injection to continue. Please notify the state inspector 24 hours in advance of the test].

* TRISTAN JENKINS WAS NOTIFIED OF THE TEST BUT DID NOT ATTEND

PPG INDUSTRIES, INC.
Well Operator
By: J. J. Hovden
Its: Agent

WR-35

22-Sep-99
API # 47- 51-00739 W

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Farm name: PPG INDUSTRIES, INC. Operator Well No.: BRINE WELL #19

LOCATION: Elevation: 642.00 Quadrangle: NEW MARTINSVILLE

District: FRANKLIN County: MARSHALL
Latitude: 3850 Feet South of 39 Deg. 45Min. 0 Sec.
Longitude 3000 Feet West of 80 Deg. 50 Min. 0 Sec.

Company: PPG INDUSTRIES, INC.
P. O. BOX 191
NEW MARTINSVILLE, WV 26155-0191

Agent: KEN S. WALBORN

Inspector: RANDAL MICK
Permit Issued: 09/22/99
Well work Commenced: 10-6-99
Well work Completed: 12-1-99
Verbal Plugging
Permission granted on: INDUSTRIERS
Rotary X Cable _____ Rig
Total Depth (feet) _____
Fresh water depths (ft) 23 to 74

Salt water depths (ft) 6082

Is coal being mined in area (Y/N)? N
Coal Depths (ft): _____

| Casing & Tubing Size | Used in Drilling | Left in Well | Cement Fill Cu. Ft. |
|----------------------|------------------|--------------|---------------------|
| 30" | 72.60' | 66.10' | 0 |
| 20' | 131.05' | 131.05' | 234 |
| 13 3/8" | 2000.25' | 2000.25' | 1882 |
| 9 5/8" | 6202' | 6202' | 326.6 8845. |
| 7" | 1307.' | 1307' | |



OPEN FLOW DATA

Producing formation N/A Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: PPG INDUSTRIES, INC.
By: _____
Date: _____

GENE SMITH
FAX # 304-558-6047

Can new 9 5/8 & 7"
GCS
12/30/02

INSPECTORS PERMIT SUMMARY FORM

IR-26

DATE STARTED/LOCATION: _____ API# 47-051-00739-B WELL NO. 19
DRILLING COMMENCED: _____ OPERATOR: PPG Industries, Inc.
TD DATE: _____ DEPTH: 6776 FARM: PPG Industries, Inc.
WATER DEPTHS 23'-74' COAL DEPTHS None

1. IS THE OPERATOR KEEPING DETAILED DRILLING AND CEMENT RECORDS: YES [X] NO [] (6 PTS)
RAN 72.6 FEET OF 30 " PIPE ON CEMENT WITH 0 SKS (CIR.) YES [] NO []
RAN 131 FEET OF 20 " PIPE ON CEMENT WITH 234 SKS (CIR.) YES [] NO []
RAN 2000.25 FEET OF 13 3/8 " PIPE ON CEMENT WITH 1852 SKS (CIR.) YES [] NO []
RAN 6204.28 FEET OF 9 5/8 " PIPE ON CEMENT WITH 2029 SKS (CIR.) YES [] NO []
RAN 1300.45 FEET OF 7 " PIPE ON CEMENT WITH 0 SKS (CIR.) YES [] NO []
RAN _____ FEET OF _____ " PIPE ON CEMENT WITH _____ SKS (CIR.)

YES [] NO [] See WR-34
PIT DISCHARGE DATE: _____ TYPE: _____ (LAND, DISPOSAL WELL, RE-USE, ETC.)
ACRES DISCHARGED: _____ PIT VOLUME: _____ PIT ADDITIVES
FIELD ANALYSIS: pH _____ Fe _____ mg/l Cl _____ mg/l D.O. _____ mg/l TOC _____ mg/l

QUESTIONS FOR THIS REPORT ARE IN ACCORDANCE OF WV CODE 22-6-30 AND REGULATION 35CSR 4-12.1 AND 35CSR-4-16 AND THE GENERAL WATER POLLUTION CONTROL ACT



2. DID OPERATOR GIVE PROPER NOTICE TO INSPECTOR BEFORE THE FOLLOWING:
A. CONSTRUCTION YES [] NO [] (2 PTS) B. DRILLING YES [] NO [] (2 PTS)
C. PIT TREATMENTS YES [] NO [] (2 PTS) D. PIT DISCHARGE YES [] NO [] (2 PTS)
E. RECLAMATION YES [] NO [] (2 PTS)
POINTS AVAILABLE FOR QUESTION 2: (10 PTS) _____

3. DID THE OPERATOR HAVE PERMIT ON SITE? YES [] NO [] (4 PTS) _____

4. WAS THE TIMBER CUT, STACKED, AND BRUSH USED FOR SEDIMENT BARRIERS BEFORE DIRT WORK STARTED? YES [] NO [] (4 PTS) _____

5. ARE ALL LOCATION AND/OR ROAD BANKS BEING SLOPED? YES [] NO [] (4 PTS) _____

6. WERE THE FOLLOWING SEDIMENT CONTROL STRUCTURES PROPERLY INSTALLED/MAINTAINED?
A. ROAD DITCHES YES [] NO [] (3PTS) B. CROSS DRAINS YES [] NO [] (3 PTS)
C. CULVERTS YES [] NO [] (3PTS) D. CREEK CROSSINGS YES [] NO [] (3PTS)
E. DIVERSION DITCHES YES [] NO [] (3PTS) F. BARRIERS YES [] NO [] (3PTS)
G. TEMPORARY SEEDING YES [] NO [] (3PTS)
POINTS AVAILABLE FOR QUESTION 6: (21 PTS) _____

7. HAS TOP SOIL (IF ANY) BEEN STOCKED PILED? YES [] NO [] (2 PTS) _____

8. IS THE WELL STAKE IN THE PROPER SPOT IN ACCORDANCE WITH 35CSR4-9.2.c AFTER CONSTRUCTION? YES [] NO [] (3 PTS) _____

9. IS THE PIT PROPERLY INSTALLED AND MAINTAINED? YES [] NO [] (6 PTS) _____

10. IS EQUIPMENT AND SITE BEING PROPERLY MAINTAINED TO PREVENT SPILLS? YES [] NO [] (3PTS) _____

11. IS EQUIPMENT BEING PROPERLY OPERATED TO MAINTAIN SAFE CONDITIONS? YES [] NO [] (3PTS) _____

14. WAS ROAD AND LOCATION PROPERLY RECLAIMED? YES [] NO []
A. ROADWAY YES [] NO [] (2PTS) B. LOCATION YES [] NO [] (2PTS)
C. PITS YES [] NO [] (2PTS) D. PIPELINES YES [] NO [] (2PTS)
E. TANK DIKES YES [] NO [] (2PTS) F. GATES & FENCES YES [] NO [] (2PTS)
G. API INSTALLED YES [] NO [] (2PTS) H. ADEQUATE SEEDING MATERIALS YES [] NO [] (2PTS)
I. WAS SEED BED ADEQUATE YES [] NO [] (2PTS)
POINTS AVAILABLE FOR QUESTION 14: (18 PTS) _____

15. WAS RECLAMATION COMPLETED WITHIN: POINTS AVAILABLE FOR QUESTION 15: (15 PTS) _____
6 MTHS OF TD YES [] NO [] 8 PTS; 4 MTHS OF TD YES [] NO [] 3 PTS.; 2 MTHS OF TD YES [] NO [] 4 PTS.

10-29-02 Steven A. Monor
DATE RELEASED INSPECTOR

TOTAL RECLAMATION SCORE: _____

RE-work = No score 12/12/14

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

- 1) Well Operator: PPG Industries, Inc. 29600 3 509
2) Operator's Well Number: No. 19 Brine Well (Production) 3) Elevation: 642.5
4) Well type: (a) Oil / or Gas / or Brine Production X /
(b) If Gas: Production / Underground Storage /
Deep /
5) Proposed Target Formation(s): Salina
6) Proposed Total Depth: 6870 feet
7) Approximate fresh water strata depths: 70 ft.
8) Approximate salt water depths: 1050 to 1600 ft.
9) Approximate coal seam depths: 254-259 ft.
10) Does land contain coal seams tributary to active mine? Yes / No X /
11) Proposed Well Work: Rework exist well - new casing & horizontal leg.
12)

Shallow Oil & Gas Permitting
SEP 07 1999
WV Division of Environmental Protection

CASING AND TUBING PROGRAM

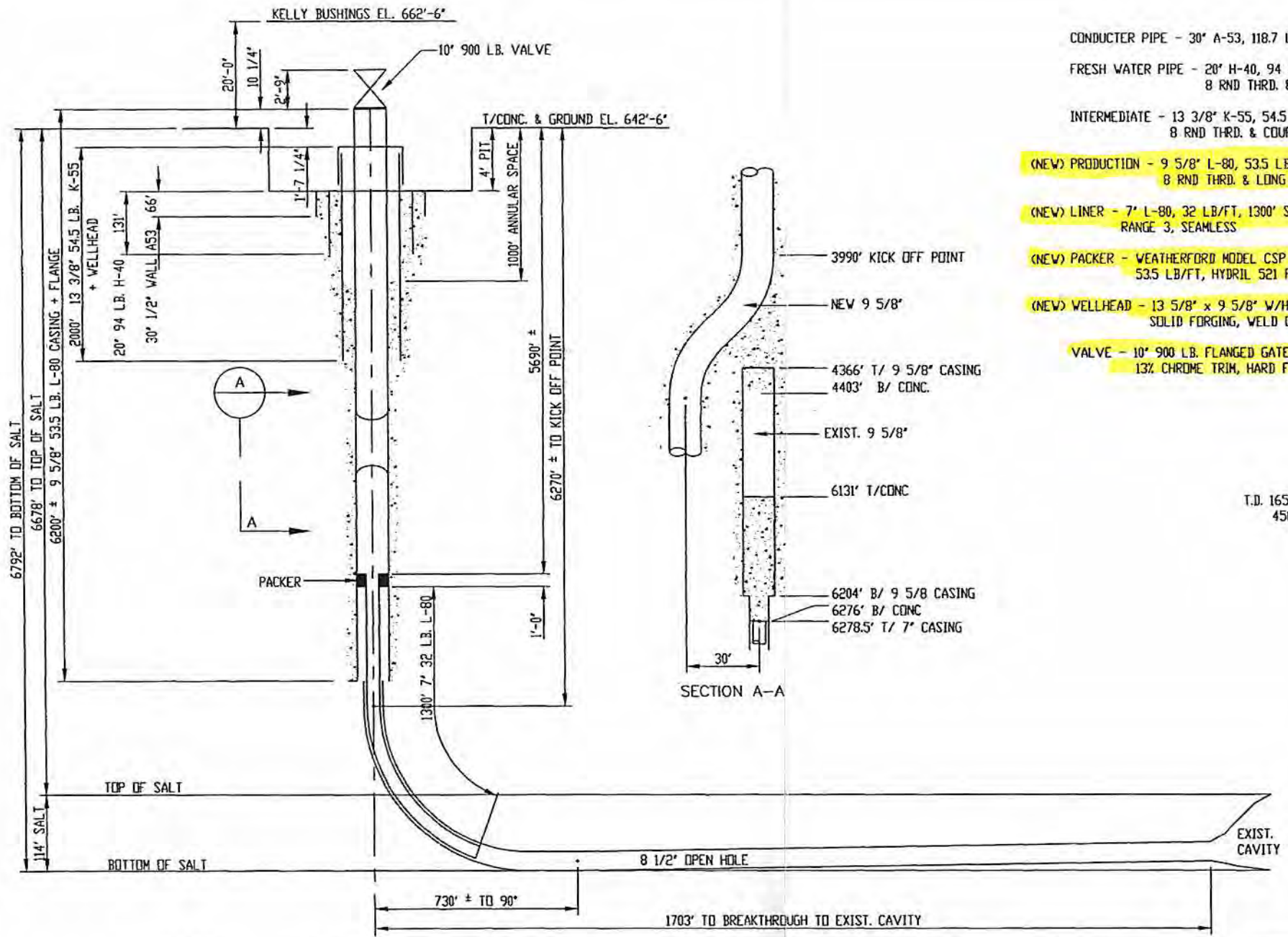
Table with columns: TYPE, SPECIFICATIONS (Size, Grade, Weight per ft.), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT (Fill-up (cu. ft.)). Rows include Conductor, Fresh Water, Coal, Intermediate, Production, Tubing, and Liners.

PACKERS : Kind Weatherford Model CSP
Sizes 7"
Depths set 5690'

For Office of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
Plat WW-9 WW-2B Bond Agent
(Type)

27665



CONDUCTOR PIPE - 30" A-53, 118.7 LB/FT, 66' SET, NOT CEMENTED, WELDED
 FRESH WATER PIPE - 20" H-40, 94 LB/FT, 131' SET, CEMENTED TO SURFACE
 8 RND THRD. & COUPLED, WELDED.

INTERMEDIATE - 13 3/8" K-55, 54.5 LB/FT, 2000' SET, CEMENTED TO SURFACE
 8 RND THRD. & COUPLED, RANGE 3, ERW

(NEW) PRODUCTION - 9 5/8" L-80, 53.5 LB/FT, 6200' ± SET, CEMENTED TO 1000'
 8 RND THRD. & LONG COUPLED, RANGE 3, SEAMLESS

(NEW) LINER - 7" L-80, 32 LB/FT, 1300' SET, NOT CEMENTED, HYDRIL 521 THRD,
 RANGE 3, SEAMLESS

(NEW) PACKER - WEATHERFORD MODEL CSP LINER PACKER, 7" 32 LB/FT x 9 5/8"
 53.5 LB/FT, HYDRIL 521 PIN DOWN, 8.25" TOOL O.D.

(NEW) WELLHEAD - 13 5/8" x 9 5/8" W/HANGER PROT. FLANGE, 3000 LB,
 SOLID FORGING, WELD ON.

VALVE - 10" 900 L.B. FLANGED GATE VALVE, CAST STEEL, SOLID WEDGE
 13% CHROME TRIM, HARD FACE SEATS.

1998
 Office of Oil & Gas
 Permitting
SEP 07 1999
 WV Division of
 Environmental Protection

T.D. 1650' N. OF SURFACE (ESTIMATED)
 450' W. OF SURFACE (ESTIMATED)

| REV. BY | DATE | DESCRIPTION |
|---------|------|-------------|
| | | |
| | | |
| | | |

PLOTTED: 9/2/99

DEPT: 70 - BRINE WELLS
 TITLE: #19 BRINE WELL
 CONFIGURATION FOR REWORK
 DRAWING TYPE: _____
 EQUIPMENT No: _____

PPG
 NATRIUM

| | |
|---------------------------------|--------------|
| DRAWN: J. V. MORRISON | DATE: 9/2/99 |
| CHECKED: _____ | DATE: _____ |
| APP' VIB: _____ | DATE: _____ |
| SCALE: NONE (PLOT 1:1) ACAD YES | |
| JOB No: _____ | REV: _____ |
| DWG: ROLMAP2 | |



Date: 1/22 19 93
Operator's _____
Well No. #19 Brine Well
API Well No. 47 - 051 - 0739-B
State County Permit _____

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
PRE-OPERATION CERTIFICATE
FOR LIQUID INJECTION OR WASTE DISPOSAL WELL

WELL OPERATOR PPG Industries DESIGNATED AGENT Ken Walborn
Address P.O. Box 191 Address P.O. Box 191
New Martinsville, WV 26155 New Martinsville, WV 26155

GEOLOGICAL TARGET FORMATION Salina Depth 6682 feet (top) to 6796 feet (bottom)
Virgin reservoir pressure in target formation N/A psig

Source of information on virgin reservoir pressure _____
Perforation intervals N/A Open-hole intervals 18' vert. & 1259' horiz.

MAXIMUM PERMITTED INJECTION OPERATIONS Well head injection pressure: 1000 psig
Volume per hour: N/A Bottom hole pressure: 4530 psig

DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED

Liquids to be injected for oil recovery under Code § 22-4-10a: _____

Wastes to be disposed of: N/A

RECEIVED
N/Office of Oil & Gas
Permitting
SEP 07 1999
WV Division of
Environmental Protection

Additives (Slurry mediums, inhibitors, solvents, oxidizers, deoxidizers, etc.):
N/A

Specific Gravity: 1.2 Brine Water/1.0 Water for solution mining salt

SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL N/A

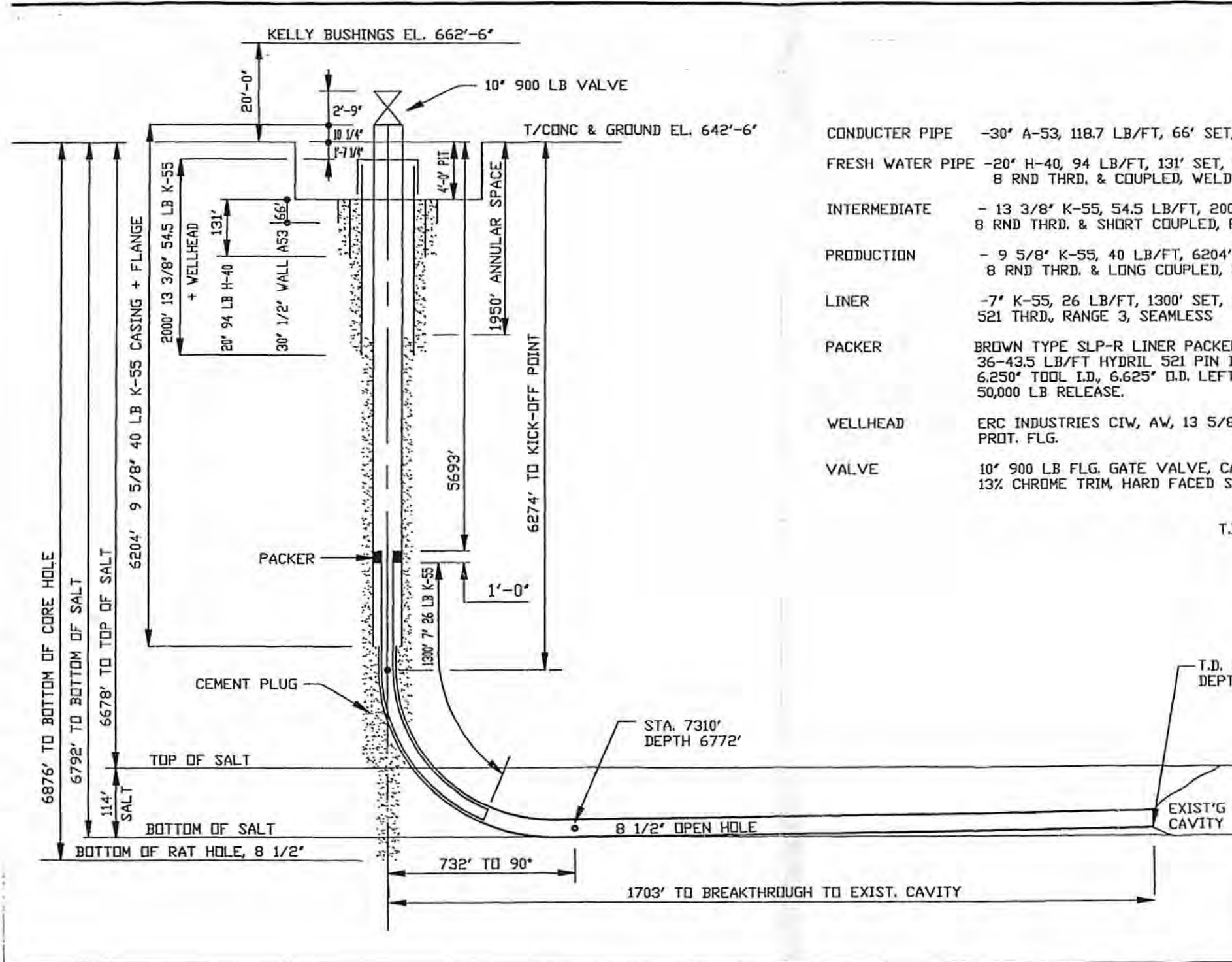
ADDITIONAL DRILLING AS PART OF THE CONVERSION

Complete and submit Form WR-35, "Well Operator's Report of Drilling, Fracturing and/or Stimulating or Physical Change".

DETAILS ON NEW CASING AND TUBING PROGRAM AS PART OF THE CONVERSION:

(To be completed below unless the new casing and tubing program is described on a Form WR-35, "Well Operator's Report of Drilling, Fracturing and/or Stimulating or Physical Change", submitted in connection with the permit to which this Form WR-37 preoperation certificate relates.)

| CASING OR TUBING TYPE | SPECIFICATIONS | | | | | FOOTAGE INTERVALS | | CEMENT FILL-UP OR SACKS (Cubic feet) | PACKERS |
|--------------------------|----------------|-------|----------------|-----|------|-------------------|--------------|---|--------------------------|
| | Size | Grade | Weight per ft. | New | Used | For drilling | Left in Well | | |
| Conductor | 30" | A-53 | 118 lb. | x | | 72.60 ft. | 66.10 ft. | -0- | Kinds |
| Fresh water casing | 20" | H-40 | 94 lb. | x | | 131.05 ft. | 131.05 ft. | 234 | Baker SLP-R Sizes |
| Intermediate | 133/8" | K-55 | 54.5 lb. | x | | 2000.25 ft. | 2000.25 ft. | 1852 | 7" x 9 5/8" |
| Production | 9 5/8" | K-55 | 40 lb. | x | | 6204.28 ft. | 6204.28 ft. | 2029 | Depths set |
| Tubing runners * | 7" | K-55 | 26 lb. | x | | 1300.45 ft. | 1300.45 ft. | -0- | 5697 ft. Perforations |
| * Hung from Baker Packer | | | | | @ | 5697 ft. | | | None |



| BILL OF MATERIALS | | |
|-------------------|-------------|----------|
| QTY | DESCRIPTION | REVISION |
| | | |
| | | |

- CONDUCTOR PIPE -30' A-53, 118.7 LB/FT, 66' SET, NOT CEMENTED, WELDED
- FRESH WATER PIPE -20' H-40, 94 LB/FT, 131' SET, CEMENTED TO SURFACE, 8 RND THRD. & COUPLED, WELDED.
- INTERMEDIATE - 13 3/8" K-55, 54.5 LB/FT, 2000' SET, CEMENTED TO SURFACE, 8 RND THRD. & SHORT COUPLED, RANGE 3, ERW
- PRODUCTION - 9 5/8" K-55, 40 LB/FT, 6204' SET, CEMENTED TO 1950' 8 RND THRD. & LONG COUPLED, RANGE 3, SEAMLESS
- LINER -7" K-55, 26 LB/FT, 1300' SET, NOT CEMENTED, HYDRIL 521 THRD, RANGE 3, SEAMLESS
- PACKER BROWN TYPE SLP-R LINER PACKER, 7" 26 LB/FT X 9 5/8" 36-43.5 LB/FT HYDRIL 521 PIN DOWN, 8.500" TOOL O.D., 6.250" TOOL I.D., 6.625" O.D. LEFT HAND RELEASE, 50,000 LB RELEASE.
- WELLHEAD ERC INDUSTRIES CIW, AW, 13 5/8" X 9 5/8" W/HANGER PROT. FLG.
- VALVE 10' 900 LB FLG. GATE VALVE, CAST STEEL, SOLID WEDGE, 13% CHROME TRIM, HARD FACED SEATS

RECEIVED
Office of Oil & Gas
Permitting
SEP 07 1999
WV Division of
Production

T.D. 1661.5' N. OF SURFACE
373.3' W. OF SURFACE
DISTANCE = 1702.9'
BEARING = 12° 40' W

| REV. | BY | DATE | DESCRIPTION |
|------|----|------|-------------|
| | | | |
| | | | |

DEPT: 70 BRINE WELLS
TITLE: #19 BRINE WELL
CONFIGURATION-AS DRILLED

DRAWING TYPE:
EQUIPMENT No:

PPG NATRIUM

DRAWN R. CORNELIUS DATE 01-25-93
CHECKED DATE
APP'YD DATE
SCALE NONE ACAD
JOB No P-371-F
DWG 70-ROL1

MECHANICAL INTEGRITY TEST

Test method: The 9 5/8" casing was pressured up to 1585 psi against a cement plug located at 5571'. In 20 minutes the pressure dropped to 1561 psi for a drop in pressure of 24 psi. Please see chart attached.

The undersigned certifies that the test was performed on November 21, 1992 and demonstrated the mechanical integrity of the well. The test was witnessed by * _____ representing the Division of Oil and Gas.

K. S. Walborn
Well Operator

January 25, 1993
Date

THIS WELL IS AUTHORIZED FOR INJECTION.

Signed _____ Director, Division of Oil and Gas

Date _____

[NOTE: That the mechanical integrity of this well must be demonstrated again within ninety (90) days of five years from this date in order for injection to continue. Please notify the state inspector 24 hours in advance of the test].

FACILITIES OR SYSTEMS TO PROTECT THE INTEGRITY OF THE GEOLOGICAL TARGET FORMATION FRACTURING THE CONFINING STRATA

APPLICATION FOR VARIANCE (IF ANY) FROM REGULATION 9.01 (a)
[Specify purpose, necessity, and justification]

* Mr. Steve Casey was informed of the test but was unable to attend.

PPG Industries, Inc.
Well Operator
By: K.S. Walborn
Its Mgr. Environmental Control

P.P.G. #19 BRINE WELL
WELL LOG

All depths measured from a K.B. elevation of 662.5'

| <u>FORMATION</u> | <u>TOP</u> | <u>BOTTOM</u> | <u>REMARKS</u> |
|----------------------|------------|---------------|-------------------|
| Substructure | 0 | 20 | |
| Gravel & Fill | 20 | 22 | |
| Sandy Clay | 22 | 39 | |
| Sand & Gravel | 39 | 89 | Fresh Water @ 39' |
| Yellow Clay | 89 | 90 | |
| Limestone & Shale | 90 | 110 | Solid Rock @ 90' |
| <u>Pennsylvanian</u> | | | |
| Monongahela | 110 | 280 | |
| Conemaugh | 280 | 755 | |
| Allegheny | 755 | 1055 | |
| Pottsville | 1055 | 1147 | |
| Shale | 1147 | 1188 | |
| <u>Mississippian</u> | | | |
| Maxton | 1188 | 1227 | |
| Mauch Chunk | 1227 | 1310 | |
| Greenbrier | 1310 | 1392 | |
| Big Injun | 1392 | 1520 | |
| Pocono | 1520 | 1617 | |
| Shale | 1617 | 1774 | |
| Weir | 1774 | 1809 | |
| Sunbury | 1809 | 1975 | |
| Berea | 1975 | 1984 | |
| <u>Devonian</u> | | | |
| Conewango | 1984 | 2063 | |
| Catskill | 2063 | 2934 | |
| Riley | 2934 | 2975 | |
| Harrell Shale | 2975 | 4881 | |
| Hamilton | 4881 | 5216 | |
| Marcellus | 5216 | 5738 | |
| Onondaga | 5738 | 5764 | |
| Needmore | 5764 | 5822 | |
| Oriskany | 5822 | 6299 | |
| Helderberg | 6299 | 6432 | |
| <u>Silurian</u> | | | |
| Keyser | 6432 | 6490 | |
| Salina | 6490 | 6896 | |
| Syracuse Salt | 6698 | 6804 | |
| Carbonate Rock | 5804 | 6806 | |
| Salt | 6806 | 6812 | |
| Carbonate Rock | 6812 | 6832 | |
| Salt | 6832 | 6862 | |
| Carbonate Rock | 6862 | 6878 | |
| Salt | 6878 | 6880 | |
| Carbonate Rock | 6880 | 6896 | |
| T.D. | 6896 | | |

Office of Oil & Gas
Permitting
SEP 07 1999
WV Division of
Environmental Protection

COALS

| | | |
|-------|---|-------|
| 276' | - | 278' |
| 876' | - | 880' |
| 946' | - | 948' |
| 1026' | - | 1028' |
| 1048' | - | 1050' |
| 1122' | - | 1124' |

47-051-00739W

WW-4A
Revised 6-07

1) Date: 10/28/14
2) Operator's Well Number _____
No. 19 Brine Well _____
3) API Well No.: 47 - 051 - 0739

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

| | |
|--|---|
| 4) Surface Owner(s) to be served: | 5) (a) Coal Operator |
| (a) Name <u>Eagle Natrium, LLC/ Axiall Corporation</u> | Name <u>(Same)</u> |
| Address <u>P.O. Box 191</u> | Address _____ |
| <u>New Martinsville, WV 26155</u> | _____ |
| (b) Name _____ | (b) Coal Owner(s) with Declaration |
| Address _____ | Name _____ |
| _____ | Address _____ |
| (c) Name _____ | Name _____ |
| Address _____ | Address _____ |
| _____ | _____ |
| 6) Inspector | (c) Coal Lessee with Declaration |
| Address _____ | Name _____ |
| _____ | Address _____ |
| Telephone _____ | _____ |

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

Received
Office of Oil & Gas
OCT 29 2014

Well Operator Eagle Natrium, LLC/ Axiall Corporation

By: [Signature]

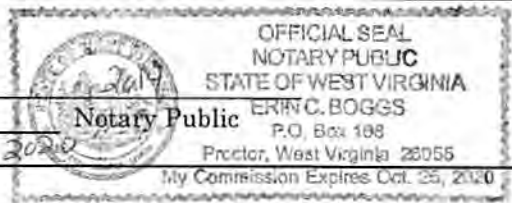
Its: Agent

Address P.O. Box 191

New Martinsville, WV 26155

Telephone 304-455-2200, ext. 3310

Subscribed and sworn before me this 28 day of October
Eric C. Boggs



My Commission Expires _____

Oil and Gas Privacy Notice
The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyoffier@wv.gov.

SURFACE OWNER WAIVER

Operator's Well
Number

No. 19 Brine Well

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.


VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

| | | | | |
|---|----------------------|---|--|------------|
|  | Date <u>10/28/14</u> | Name <u>Eagle Natrium, LLC/ Natrium Corp.</u> | | |
| Signature <u>Received</u> | | By <u>J. Thomas Horan</u> | | |
| Office of Oil & Gas | | Its <u>AGENT</u> | | Date _____ |

OCT 29 2014

Signature

Date 12/12/14

WW-4B

API No. 47-051-0739
Farm Name Eagle Natrium, LLC/ Axiall
Well No. 19 Brine Well

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator ____/ owner X/ lessee ____/ of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: 10/29/14

Eagle Natrium, LLC/ Axiall Corporation
By: [Signature]
Its Agent

Received
Office of Oil & Gas
OCT 29 2014

5100739P

WW-9
Rev. 5/08

Page 1 of 6
API Number 47 - 051 - 0739
Operator's Well No. 19 Brine Well

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

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Eagle Natrium, LLC OP Code _____

Watershed Ohio River Quadrangle New Martinsville, WV

Elevation 642 ft. - 6 in. County Marshall District Franklin

Description of anticipated Pit Waste: N/A

Will a synthetic liner be used in the pit? N/A

Received
Office of Oil & Gas
OCT 29 2014

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain All liquid waste will be solidified and disposed in a landfill)

Proposed Work For Which Pit Will Be Used:

- Drilling
- Workover
- Other (Explain N/A)
- Swabbing
- Plugging

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature J. Thomas Horan

Company Official (Typed Name) J. Thomas Horan

Company Official Title Manager, Environmental Control

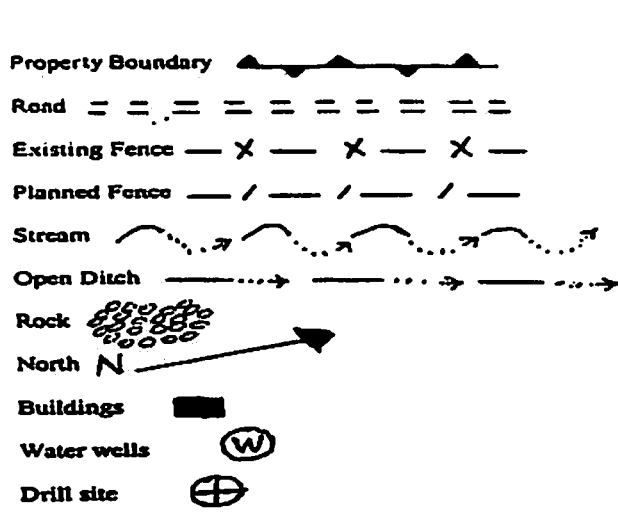
Subscribed and sworn before me this 28 day of October, 2014

Erin C. Boggs

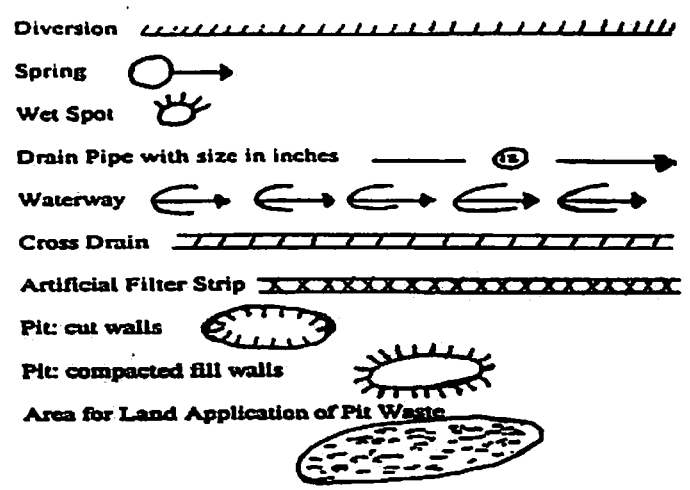


My commission expires October 25, 2020

12/12/14



LEGEND



Proposed Revegetation Treatment: Acres Disturbed <1 acre Prevegetation pH _____

Lime _____ Tons/acre or to correct to pH _____

Fertilizer (10-20-20 or equivalent) _____ lbs/acre (500 lbs minimum)

Mulch _____ Tons/acre

Seed Mixtures

| Seed Type | Area I | | Area II | |
|-----------|-----------|----------|-----------|----------|
| | Seed Type | lbs/acre | Seed Type | lbs/acre |
| N/A | | | | |
| | | | | |
| | | | | |

Attach:
Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.
(Attached)

Plan Approved by: _____

Comments: _____

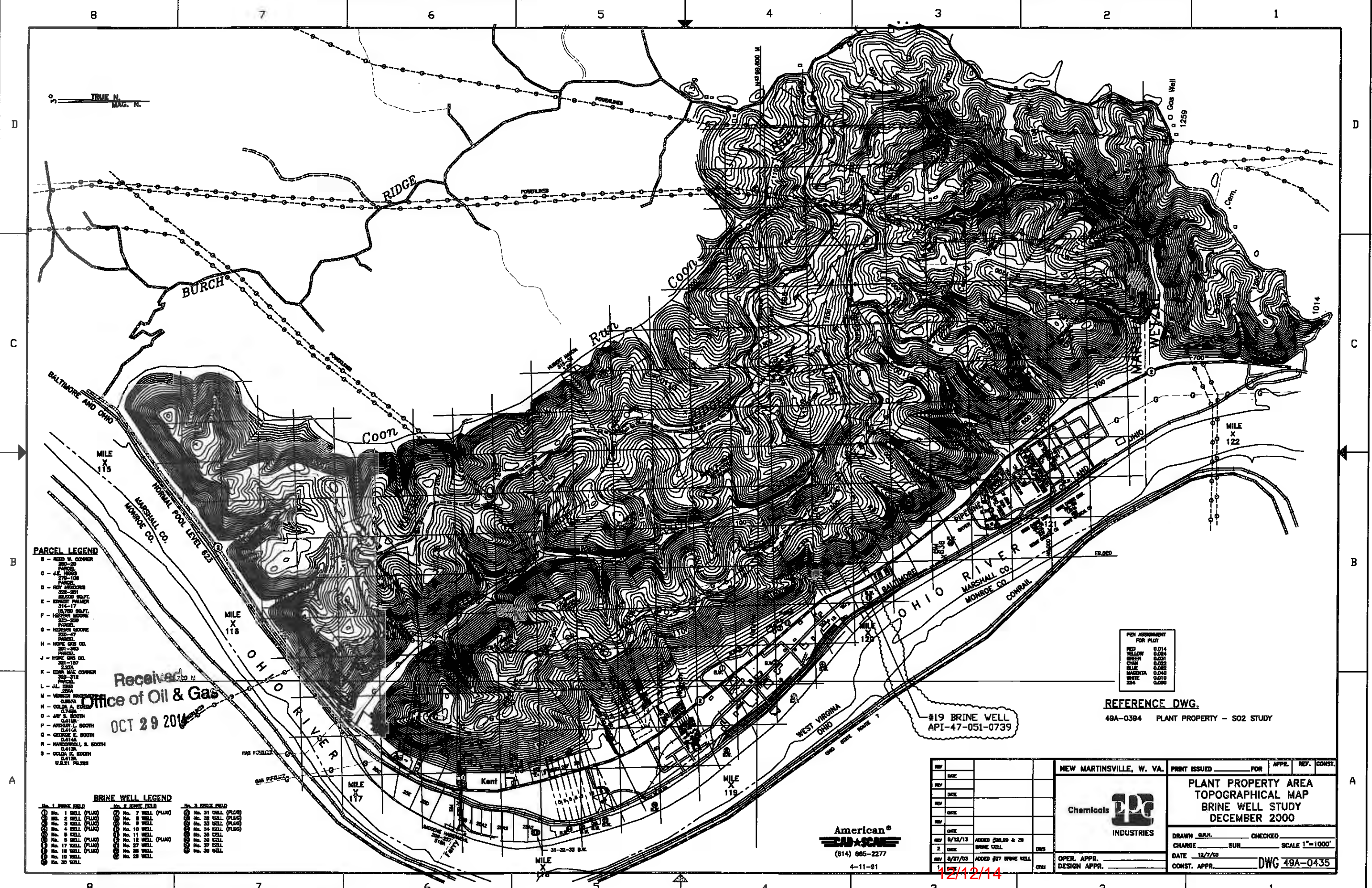
Title: _____

Date: _____

Field Reviewed? () Yes () No

Received
Office of Oil & Gas
OCT 29 2014

12/12/14



PARCEL LEGEND

- B - REED W. CORNER 320-30 PARCEL
- C - LE. HESS 29-109 PARCEL
- D - REY. HESS 322-261 PARCEL
- E - ROBERT PALMER 314-17 20,000 SQ.FT. PARCEL
- F - HERMAN MOORE 320-258 10,700 SQ.FT. PARCEL
- G - HERMAN MOORE 320-47 10,700 SQ.FT. PARCEL
- H - HOPE GAS CO. 291-263 2,254 PARCEL
- J - HOPE GAS CO. 321-187 2,254 PARCEL
- K - EDNA MRS CORNER 320-512 PARCEL
- L - AL. STARR 259A PARCEL
- M - MARGIE HANCOCK OLNEY 0.413A PARCEL
- N - GOLDA A. EDSON 0.413A PARCEL
- O - JAY S. BOOTH 0.414A PARCEL
- P - ANDREW L. BOOTH 0.414A PARCEL
- Q - GEORGE E. BOOTH 0.414A PARCEL
- R - HARRISON S. BOOTH 0.413A PARCEL
- S - GOLDA M. EDSON 0.413A PARCEL

BRINE WELL LEGEND

| No. 1 BRINE FIELD | No. 2 BRINE FIELD | No. 3 BRINE FIELD |
|--------------------|--------------------|--------------------|
| No. 1 WELL (PLUG) | No. 7 WELL (PLUG) | No. 21 WELL (PLUG) |
| No. 2 WELL (PLUG) | No. 8 WELL | No. 22 WELL (PLUG) |
| No. 3 WELL (PLUG) | No. 9 WELL | No. 23 WELL (PLUG) |
| No. 4 WELL (PLUG) | No. 10 WELL | No. 24 WELL (PLUG) |
| No. 5 WELL (PLUG) | No. 11 WELL | No. 25 WELL (PLUG) |
| No. 6 WELL (PLUG) | No. 12 WELL (PLUG) | No. 26 WELL |
| No. 17 WELL (PLUG) | No. 13 WELL | No. 27 WELL |
| No. 18 WELL (PLUG) | No. 14 WELL | No. 28 WELL |
| No. 19 WELL | No. 15 WELL | No. 29 WELL |
| No. 20 WELL | No. 16 WELL | No. 30 WELL |

FOR ASSIGNMENT FOR PLOT

| | |
|---------|-------|
| RED | 0.014 |
| YELLOW | 0.024 |
| GREEN | 0.031 |
| CYAN | 0.022 |
| BLUE | 0.022 |
| MAGENTA | 0.040 |
| WHITE | 0.018 |
| 254 | 0.000 |

REFERENCE DWG.
49A-0394 PLANT PROPERTY - SO2 STUDY

| | | | |
|-----|------|-------------|----|
| REV | DATE | DESCRIPTION | BY |
| REV | DATE | DESCRIPTION | BY |
| REV | DATE | DESCRIPTION | BY |
| REV | DATE | DESCRIPTION | BY |
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| REV | DATE | DESCRIPTION | BY |
| REV | DATE | DESCRIPTION | BY |

NEW MARTINSVILLE, W. VA.

Chemicals **DCI** INDUSTRIES

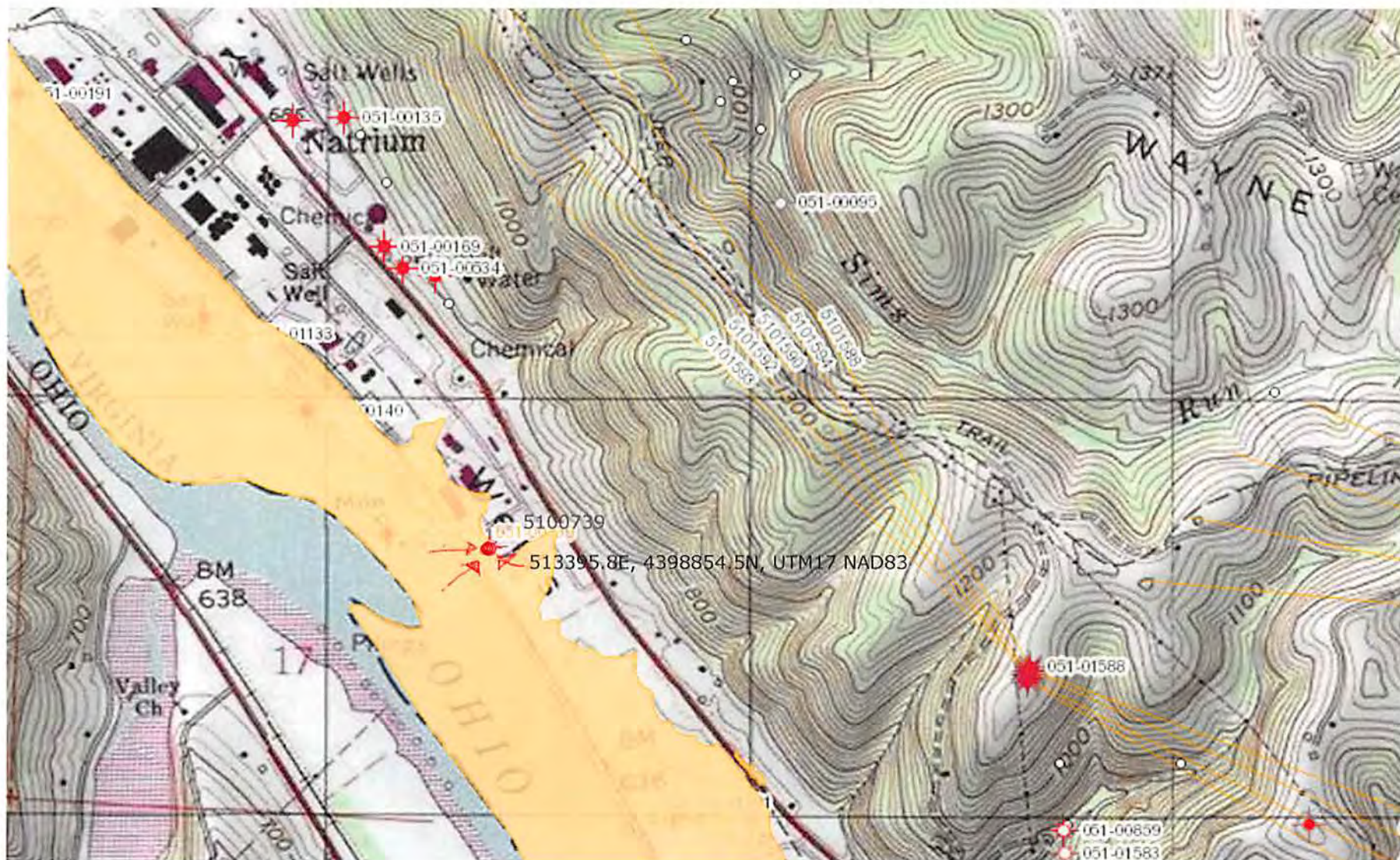
| | | | | |
|---|---------|----------------------------------|------|--------|
| PRINT ISSUED | FOR | APPR. | REF. | CONST. |
| PLANT PROPERTY AREA TOPOGRAPHICAL MAP BRINE WELL STUDY DECEMBER 2000 | | | | |
| DRAWN BY | CHECKED | SCALE 1"=1000' | | |
| DATE 12/7/00 | SUR | CONST. APPR. DWG 49A-0435 | | |

American SABASCAN
(614) 865-2277
4-11-91

12/12/14

Received
Office of Oil & Gas
OCT 29 2014

5100739 P



5100739A

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-051-0739 WELL NO.: No. 19 Brine Well

FARM NAME: Eagle Natrium, LLC/ Axiall Corporation

RESPONSIBLE PARTY NAME: Eagle Natrium, LLC/ Axiall Corporation

COUNTY: Marshall DISTRICT: Franklin 3

QUADRANGLE: New Martinsville 509

SURFACE OWNER: Eagle Natrium, LLC/ Axiall Corporation

ROYALTY OWNER: Eagle Natrium, LLC/ Axiall Corporaton

UTM GPS NORTHING: 4,398,854.47

UTM GPS EASTING: 513,395.78 GPS ELEVATION: 642 ft. - 6 in.

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:
Survey grade GPS : Post Processed Differential
Real-Time Differential
Mapping Grade GPS X: Post Processed Differential
Real-Time Differential
- Letter size copy of the topography map showing the well location.**

Received
Office of Oil & Gas
OCT 29 2014

I the undersigned, hereby certify this data 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 Office of Oil and Gas.

[Signature]
Signature
10/28/14 Date

Manager, Environmental Control
Title

12/12/14

5100739P



Axiall Corporation
Eagle Natrium LLC
PO Box 191
New Martinsville, WV 26155

J. Thomas Horan
Manager Environmental
Telephone: (304) 455-2200 ext. 3310
Fax: (304) 455-2422
Tom.Horan@axiall.com

Received
Office of Oil & Gas
OCT 29 2014

October 28, 2014

Via Overnight Mail

James Martin, Chief
WV Department of Environmental Protection
Office of Oil & Gas
601 57th Street
Charleston, WV 25304

Dear Mr. Martin:

**Subject: Plug and Abandon Permit Application for Brine Well No. 19,
API Well Number 47-051-0739**

Please find attached, the required completed forms and associated map to plug and abandon Brine Well No. 19, API Well Number 47-051-0739 located at the Eagle Natrium LLC, Natrium Plant.

If you have any questions, please call Mr. Ed McLaughlin at (304) 455-2200 extension 3476.

Sincerely,

J. Thomas Horan
Manager Environmental

Attachments:

12/12/14