

**NOTES ON SURVEY**

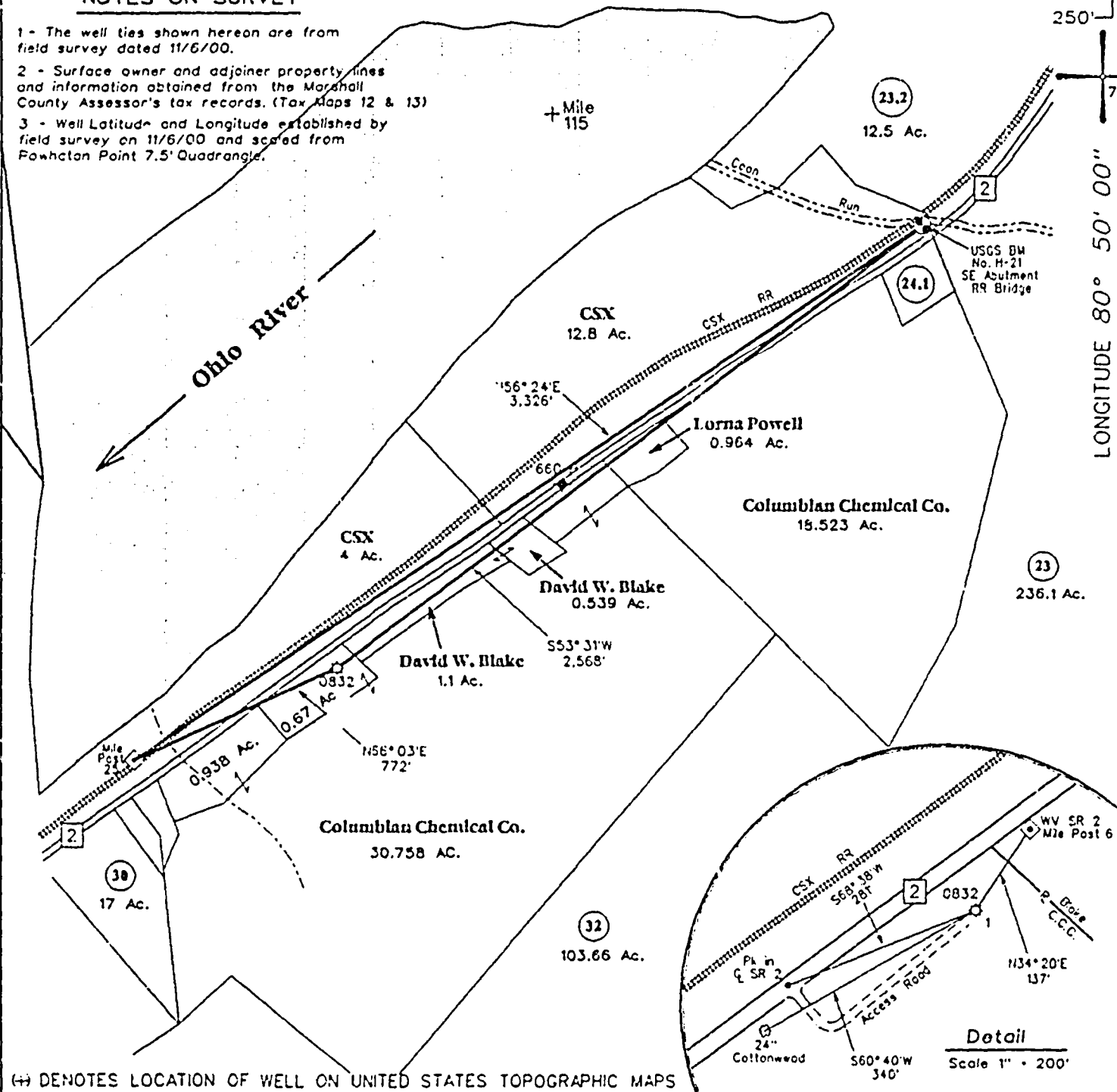
- 1 - The well ties shown hereon are from field survey dated 11/6/00.
- 2 - Surface owner and adjoining property lines and information obtained from the Marshall County Assessor's tax records. (Tax Maps 12 & 13)
- 3 - Well Latitude and Longitude established by field survey on 11/6/00 and scaled from Powhatan Point 7.5' Quadrangle.

LATITUDE 39° 47' 30"

250'

LONGITUDE 80° 50' 00"

Longitude - 80° 50' 03.2"



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

FILE NO. 108-32  
 DRAWING NO. 1  
 SCALE 1" - 500'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION: USGS BM No. H-21  
Elev. - 639.52'

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 MINES

(SIGNED) [Signature]  
 TIMOTHY P. ROUSH PS 793



WEST VIRGINIA  
 Division of Environmental Protection  
 Office of Oil and Gas  
 1356 Honsford St.  
 Charleston, West Virginia 25301



DATE November 6, 2000  
 FARM Columbian Chemical NO. 1  
 API WELL NO. 47-051-00832

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 676' WATERSHED Ohio River  
 DISTRICT Franklin COUNTY Marshall  
 QUADRANGLE Powhatan Point 7.5'  
 SURFACE OWNER Columbian Chemical Co. ACREAGE 0.67 Ac.  
 OIL & GAS ROYALTY OWNER \_\_\_\_\_ LEASE ACREAGE \_\_\_\_\_  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR  
 STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW  
 FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION \_\_\_\_\_ ESTIMATED DEPTH \_\_\_\_\_  
 WELL OPERATOR Invitation Energy, Inc. DESIGNATED AGENT Joe O'Ferrell  
 ADDRESS Route 2, Box 245 ADDRESS Route 2, Box 245  
Mannington, WV 26582 Mannington, WV 26582

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: COLUMBIAN CHEMICALS Operator Well No.: 1

LOCATION: Elevation: 676 Quadrangle: POUNHATTAN POINT

District: FRANKLIN County: MARSHALL  
Latitude: 01525 Feet South of 39 Deg. 47 Min. 30 Sec.  
Longitude 250 Feet West of 80 Deg. 50 Min. \_\_\_\_\_ Sec.

Company: INTEGRATION ENERGY

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cr. Ft.
Address: <u>RT. 2 Box 245</u>				
<u>MANNINGTOWN WV 26582</u>				
Agent: <u>JOE O'FENELL</u>				
Inspector: <u>RAYMOND MICK</u>	<u>1 1/4</u>	<u>160</u>	<u>160</u>	<u>CTS</u>
Date Permit Issued:				
Date Well Work Commenced: <u>4/97</u>				
Date Well Work Completed: <u>4/97</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				
Total Depth (feet): <u>1150</u>				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)?				
Coal Depths (ft.):				

OPEN FLOW DATA

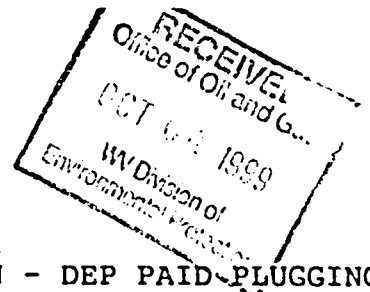
Producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure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

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.

Signed: \_\_\_\_\_  
By: \_\_\_\_\_  
Date: \_\_\_\_\_

INSPECTOR'S PERMIT SUMMARY FORM



DATE STARTED/LOCATION: 4/97  
DRILLING COMMENCED:  
TD DATE: 4/97 DEPTH: 1250

API# 47- 51-00832  
OPERATOR: UNKNOWN - DEP PAID- PLUGGING  
FARM: COLUMBIA CHEMICALS CO.  
WELL NO.: 1  
COAL DEPTHS

WATER DEPTHS

1. IS THE OPERATOR KEEPING DETAILED DRILLING AND CEMENT RECORDS: \_\_\_\_\_

YES [ ] NO [ ] (6 POINTS)  
RAN 160 FEET OF 1 3/4" PIPE ON \_\_\_\_\_ CEMENTED WITH \_\_\_\_\_ SACKS (CIRCULATED) Y  
RAN 2 FEET OF 3 1/2" PIPE ON \_\_\_\_\_ CEMENTED WITH \_\_\_\_\_ SACKS (CIRCULATED) Y  
RAN \_\_\_\_\_ FEET OF \_\_\_\_\_" PIPE ON \_\_\_\_\_ CEMENTED WITH \_\_\_\_\_ SACKS (CIRCULATED) Y  
RAN \_\_\_\_\_ FEET OF \_\_\_\_\_" PIPE ON \_\_\_\_\_ CEMENTED WITH \_\_\_\_\_ SACKS (CIRCULATED) Y

PIT DISCHARGE DATE: \_\_\_\_\_ TYPE: \_\_\_\_\_ WEATHER CONDITIONS: \_\_\_\_\_ LAND

ACRES DISCHARGED: Water 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 22-6-28, 22-6-30, 22-6-6, 22-6-7, AND 22-6-27 AND REGULATION 38CSR 18-9.2.3, 38CSR 18-12.1, 38CSR 18-16.5, 38CSR 18-16.6.

TOTAL POINTS AVAILABLE FOR QUESTION 2: \_\_\_\_\_ 2. (10 POINTS)

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 [ ] (2PTS)  
E. RECLAMATION YES [ ] NO [ ] (2 PTS)

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

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

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

TOTAL POINTS AVAILABLE FOR QUESTION 6: \_\_\_\_\_ 6. (21) POINT

6. WERE THE FOLLOWING SEDIMENT CONTROL STRUCTURES PROPERLY INSTALLED/MAINTAIN  
A. ROAD DITCHES YES [ ] NO [ ] (3PTS) B. CROSS DRAINS YES [ ] NO [ ]  
C. CULVERTS YES [ ] NO [ ] (3PTS) D. CREEK CROSSINGS YES [ ] NO [ ]  
E. DIVERSION DITCHES YES [ ] NO [ ] (3PTS) F. BARRIERS YES [ ] NO [ ]  
G. TEMPORARY SEEDING YES [ ] NO [ ] (3PTS)

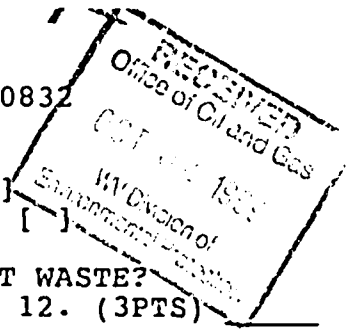
7. HAS TOP SOIL (IF ANY) BEEN STOCKED PILED? YES [ ] NO [ ] 7. (2 PTS)

8. IS THE WELL STAKE IN THE PROPER SPOT IN ACCORDANCE WITH 38CSR-9.2.3 AFTER CONSTRUCTION? YES [ ] NO [ ] 8. (3 PTS)

9. IS THE PIT PROPERLY INSTALLED? YES [ ] NO [ ]  
A. WALLS COMPACTED YES [ ] NO [ ], CUT YES [ ] NO [ ]  
B. FREE OF DEBRIS BEFORE LINING YES [ ] NO [ ]  
C. LINED YES [ ] NO [ ]  
D. FLUIDS CONTAINED YES [ ] NO [ ]  
E. FREE OF NON EXEMPT/RESTRICTED MATERIALS YES [ ] NO [ ]  
F. PROPERLY TREATED YES [ ] NO [ ]

9. (6 PTS)

10. DID INSPECTOR APPROVE ALL MODIFICATIGNS YES [ ] NO [ ]  
TOTAL POINTS PAGE 1 (60 P



11. WAS INSPECTOR ON SITE DURING THE FOLLOWING:

- A. CONSTRUCTION YES [ ] NO [ ]
- B. DRILLING YES [ ] NO [ ]
- C. PIT TREATMENT YES [ ] NO [ ]
- D. RECLAMATION YES [ ] NO [ ]

12. IS EQUIPMENT AND SITE BEING PROPERLY MAINTAINED TO PREVENT WASTE?

- A. SPILLS YES [ ] NO [ ]
- B. SOLID WASTE YES [ ] NO [ ]

12. (3PTS)

13. IS EQUIPMENT BEING PROPERLY OPERATED TO MAINTAIN SAME CONDITIONS?

- A. BLOW OUT PREVENTER YES [ ] NO [ ]
- B. FLOW LINE YES [ ] NO [ ]
- C. FIRE EXTINGUISHER YES [ ] NO [ ]
- D. OTHERS YES [ ] NO [ ]

13. (3PTS)

TOTAL POINTS AVAILABLE FOR QUESTION 14:

14. (18PTS)

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 NUMBER INSTALLED YES [ ] NO [ ] (2PTS)
- H. ADEQUATE SEEDING MATERIALS YES [ ] NO [ ] (2PTS)
- I. WAS SEED BED ADEQUATE YES [ ] NO [ ] (2PTS)
- J. SOIL pH BEFORE \_\_\_\_\_ AFTER \_\_\_\_\_
- K. WAS PIT COVERED WITHIN 30 DAYS YES [ ] NO [ ]

TOTAL POINTS AVAILABLE FOR QUESTION 15:

15. (15PTS)

15. WAS RECLAMATION COMPLETED WITHIN:

- 6 MONTHS OF TD YES [ ] NO [ ] 8 POINTS
- 4 MONTHS OF TD YES [ ] NO [ ] 3 POINTS
- 2 MONTHS OF TD YES [ ] NO [ ] 4 POINTS

*No Rec Score*

16. TOTAL RECLAMATION SCORE: \_\_\_\_\_

DATE

VISITS

*This well was drilled for Relief of Gas. Well was taken over by Invention Energy Inc. Well's still not producing 7/26/99*

7/26/99  
DATE RELEASED

Randal Meets  
INSPECTOR

State of West Virginia  
Division of Environmental Protection  
Office of Oil and Gas  
Discharge Monitoring Report  
Oil and Gas General Permit

Company Name: INVESTATION ENERGY  
API: 47-051-0832 County: MARSHALL  
District: FRANKLIN  
Farm Name: COLUMBIAN CHEMICALS Well No: 1  
Discharge Dates/s From:(MMDDYY) \_\_\_\_\_ TO:(MMDDYY) \_\_\_\_\_  
Discharge Times : From \_\_\_\_\_ TO \_\_\_\_\_  
Disposal Option Utilized: UIC (2):\_\_ Permit No. \_\_\_\_\_  
Centralized Facility (5):\_\_ Permit No. WATER  
Reuse (4): \_\_ Alternate Permit Number: NAILED  
Offsite Disposal(3):\_\_ Site Location: \_\_\_\_\_  
Land Application(1):\_\_ (Include a topographical map of the Area.)  
Other method(6):\_\_ (Include an explanation)

Follow Instructions below to determine your treatment category.

Optional Pretreatment test: \_\_\_\_\_ Cl- mg/l \_\_\_\_\_ DO Mg/l

1. Do you have permission to use expedited treatment from the Director or his representative? (Y/N) \_\_\_\_\_ If yes who? \_\_\_\_\_, and place a four (4) on line 7. If not go to line 2

2. Was the Fluid or flowback put into the pit? (Y/N) \_\_\_\_\_ If yes go to line 5 if not go to line 3

3. Do you have a chloride value pretreatment (see above)? (Y/N) \_\_\_\_\_ If yes go to line 4 if not go to line 5

4. Is that chloride level less than 5000 mg/l? (Y/N) \_\_\_\_\_ If yes then enter a one (1) on line 7

5 Do you have a pretreatment value for DO? (See above) (Y/N) \_\_\_\_\_ If yes then go to line 6 if not enter a three (3) in line 7.

6 Is that DO greater than 2.5 mg/l?(Y/N) \_\_\_\_\_ If yes then enter a two (2) on line 7 If not enter a three (3) on line 7.

7. \_\_\_\_\_ is the category of your pit. Use the Appropriate section.

Name of Principal Exec. Officer \_\_\_\_\_

Title of Officer \_\_\_\_\_

Date Completed: \_\_\_\_\_

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments 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 and imprisonment.

Signature of a Principal Exec. Officer or Authorized agent

\_\_\_\_\_  
Signature

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

1) Well Operator: WV DEP 51635 (3) 588

2) Operator's Well Number: Columbian Chemicals Co #13 Elevation: \_\_\_\_\_

4) Well type: (a) Oil \_\_\_ / or Gas ✓

(b) If Gas: Production \_\_\_ / Underground Storage \_\_\_ /  
Deep \_\_\_ / Shallow ✓



Proposed Target Formation(s): Big Injun

Proposed Total Depth: 1450 feet

Approximate fresh water strata depths: 40', 90'

Approximate salt water depths: 900'

Approximate coal seam depths: 440'

10) Does land contain coal seams tributary to active mine? Yes \_\_\_ / No \_\_\_ /

11) Proposed Well Work: Drill For Relief Well

12) \_\_\_\_\_

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS			CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor						
Fresh Water	11 3/4"	H 40	42#	160'	160'	CTS
Coal						
Intermediate	7"	JSS	20#	1030'	1030'	CTS
Production						
Tubing						
Liners						

PACKERS : Kind \_\_\_\_\_  
Sizes \_\_\_\_\_  
Depths set \_\_\_\_\_

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)

1) Date: Feb 5, 1997  
2) Operator's well number  
Columbia Chemicals Co. #1  
3) API Well No: 47 - 51 -  
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS



NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served: 5) (a) Coal Operator:
- (a) Name Columbia Chemicals Co. Name Consolidated Coal Co.  
 Address 1600 Rockwood Circle, Suite 400 Address P.O. Box 1314  
Atlanta, GA 30339 Marsonton, WV 26507-1314
- (b) Name \_\_\_\_\_ (b) Coal Owner(s) with Declaration  
 Address \_\_\_\_\_ Name \_\_\_\_\_  
 Address \_\_\_\_\_
- (c) Name \_\_\_\_\_  
 Address \_\_\_\_\_ Name \_\_\_\_\_  
 Address \_\_\_\_\_
- 6) Inspector \_\_\_\_\_ (c) Coal Lessee with Declaration  
 Address \_\_\_\_\_ Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 Telephone (304)- \_\_\_\_\_

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

\_\_\_\_\_ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

\_\_\_\_\_ Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_\_\_ on the above named parties, by:

- \_\_\_\_\_ Personal Service (Affidavit attached)
- \_\_\_\_\_ Certified Mail (Postmarked postal receipt attached)
- \_\_\_\_\_ Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

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, 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 and imprisonment.

Well Operator \_\_\_\_\_  
By: \_\_\_\_\_  
Its: \_\_\_\_\_  
Address \_\_\_\_\_  
Telephone \_\_\_\_\_

Subscribed and sworn before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_

\_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_

STATE OF WEST VIRGINIA  
DIVISION 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 WV DEP OP Code 51635

Watershed Chic River Quadrangle Forhaton Point

Elevation \_\_\_\_\_ County Marshall District Franklin

Description of anticipated Pit Waste: Cuttings and gel

Will a synthetic liner be used in the pit? Yes

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 \_\_\_\_\_ )

Proposed Work For Which Pit Will Be Used:

- Drilling
- Workover
- Other (Explain \_\_\_\_\_ )
- Swabbing
- Plugging

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on June 14, 1994, by the Office of Oil and Gas of the West Virginia Division 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 \_\_\_\_\_

Company Official (Typed Name) \_\_\_\_\_

Company Official Title \_\_\_\_\_

Subscribed and sworn before me this \_\_\_\_\_ day of \_\_\_\_\_, 19 \_\_\_\_\_

\_\_\_\_\_, Notary Public

My commission expires \_\_\_\_\_



**LEGEND**

- Property Boundary
- Road
- Existing Fence
- Planned Fence
- Stream
- Open Ditch
- Rock
- North
- Buildings
- Water wells
- Drill site

- Diversion
- Spring
- Wet Spot
- Drain Pipe with size in inches
- Waterway
- Cross Drain
- Artificial Filter Strip
- Pit: cut walls
- Pit: compacted fill walls
- Area for Land Application of Pit Waste

Proposed Revegetation Treatment: Acres Disturbed Less Than 1 Prevegetation pH 5.6

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 600 lbs/acre (500 lbs minimum)

Mulch 1 Tons/acre

**Seed Mixtures**

Seed Type	Area I		Seed Type	Area II	
	lbs/acre			lbs/acre	
Meadow Mix 50 lb. per acre					

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Randal K. M...

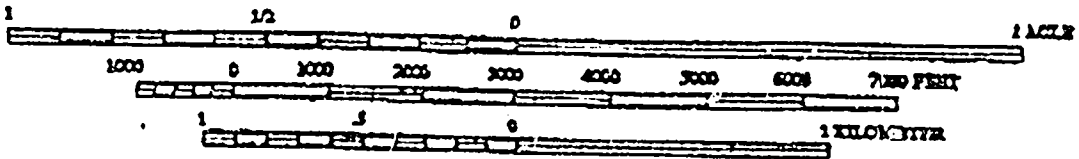
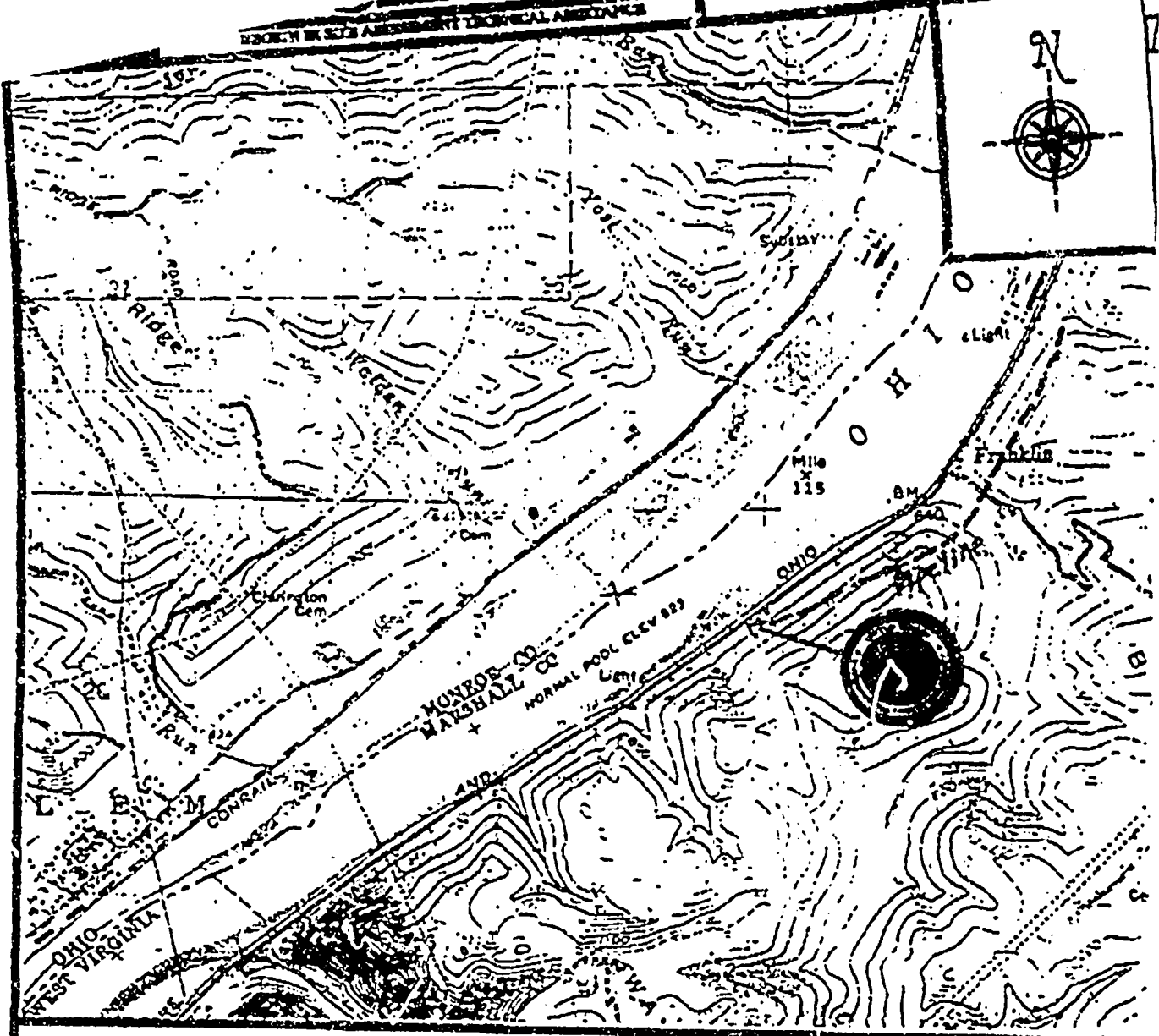
Title: Pit & Diversion Date: 1-7-97

Field Reviewed?  Yes  No

PCS Number: 3075

FEDERAL PROGRAMS DIVISION

GROUNDWATER ASSESSMENT LOGICAL ARRANGEMENT

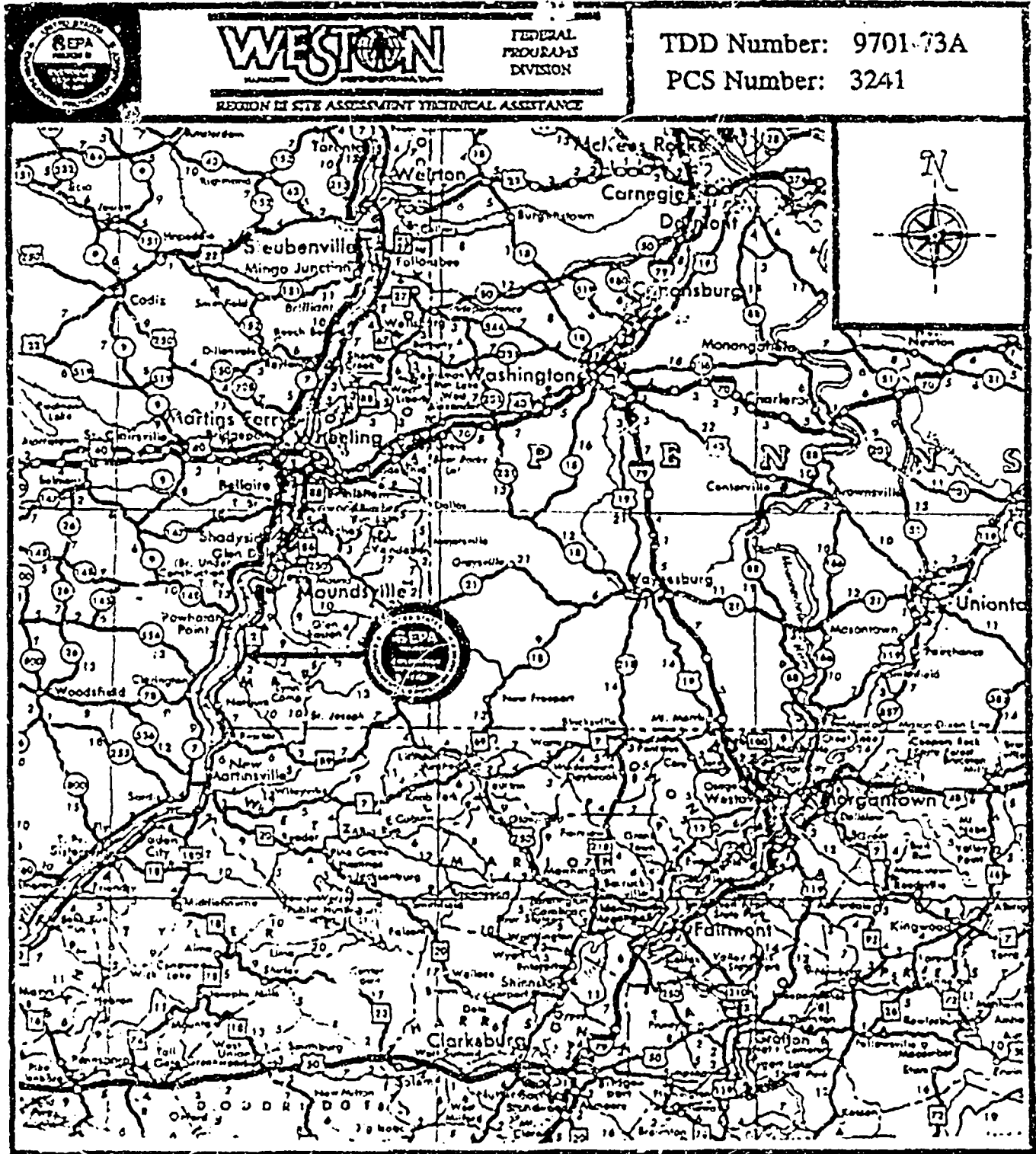


**SITE TOPOGRAPHIC MAP**  
 (Powhatan Point Quadrangle)  
 Midway Route 2 Site  
 Moundsville, Marshall County, West Virginia

47.051.00832

SEP 18 '98 15:11

TOTAL P.02



**SITE LOCATION MAP**  
**Midway Route 2 Site**  
**Moundsville, Marshall County, West Virginia**

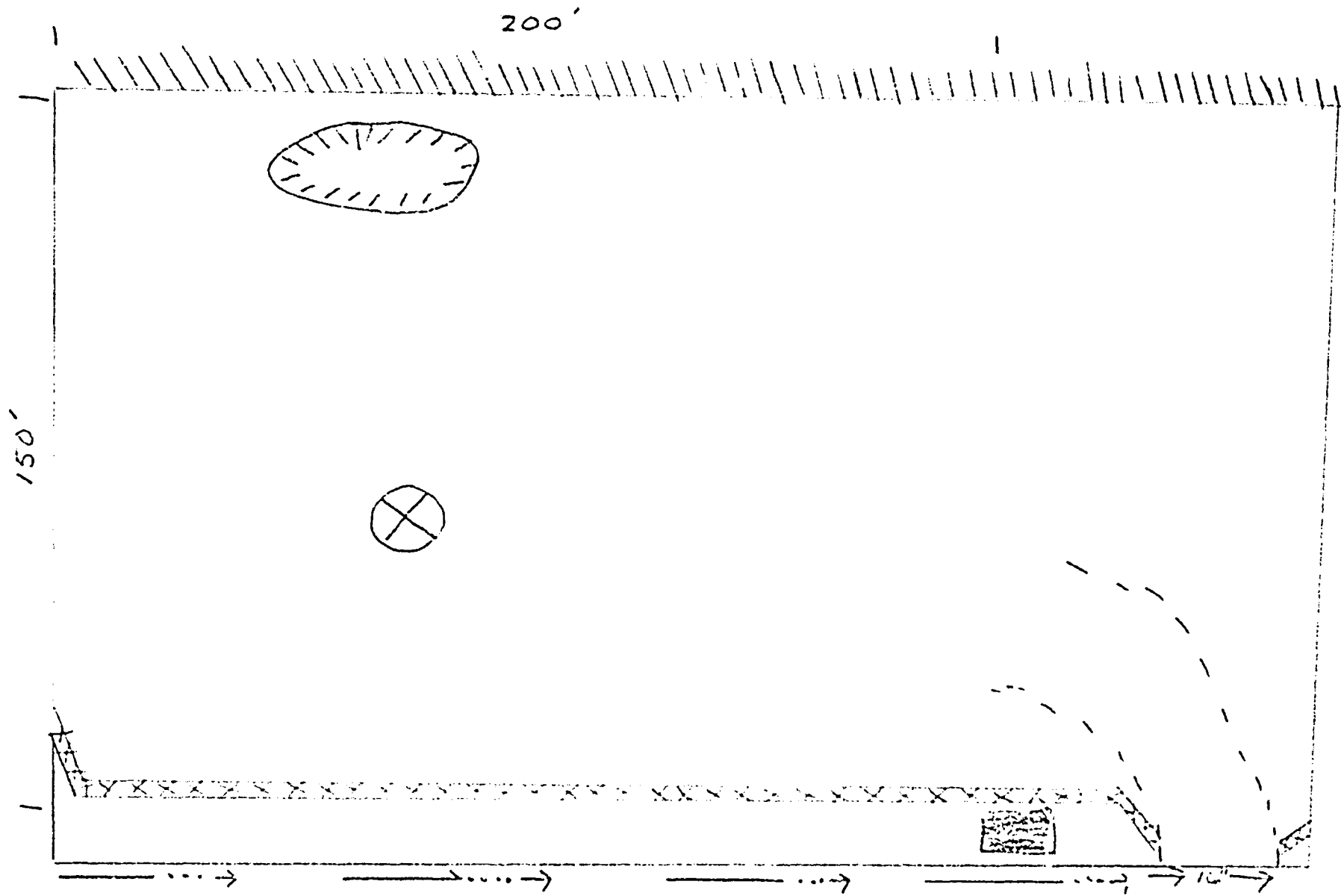
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TOTAL F.03

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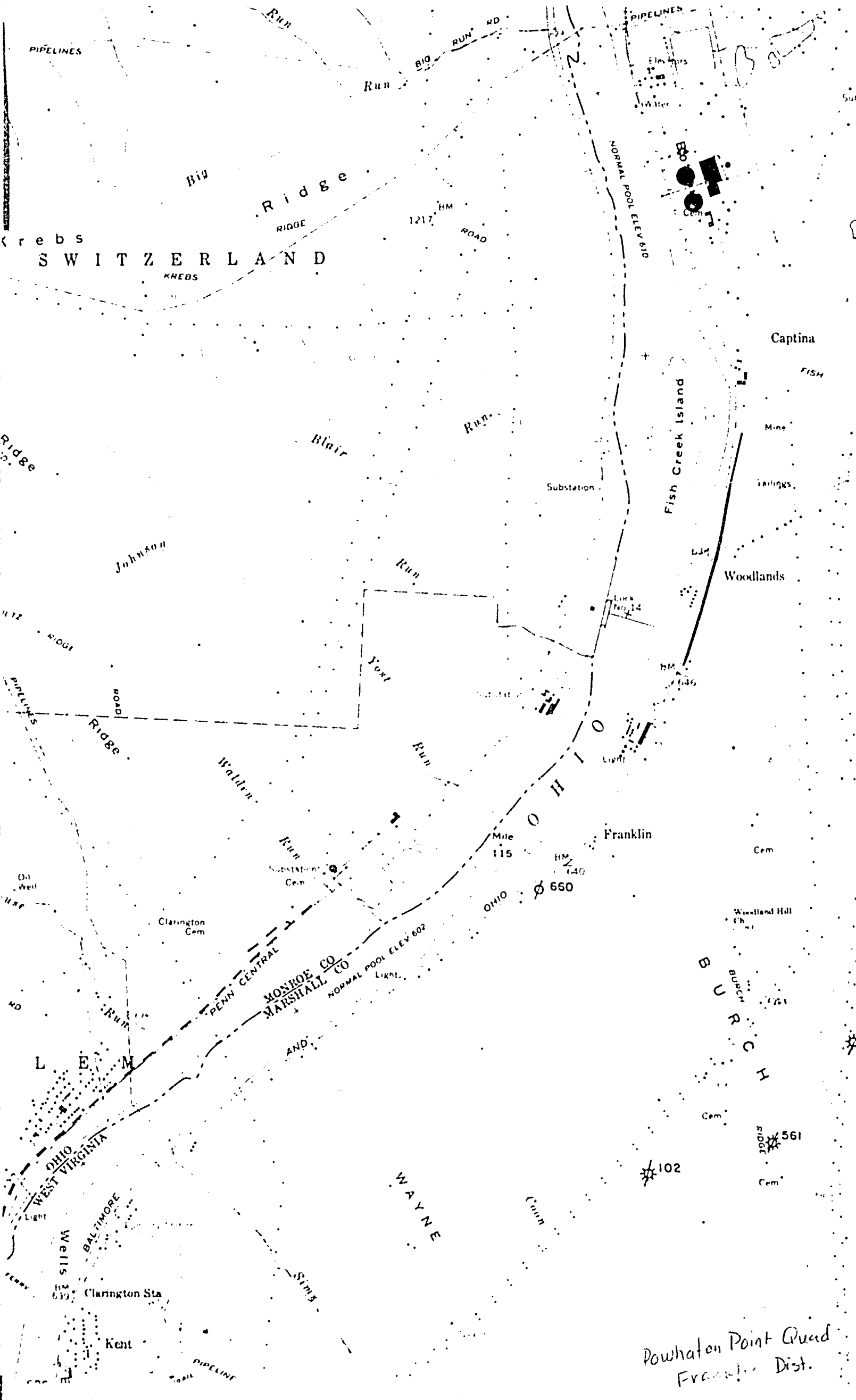
1304

WESTON



R+ 2

Road and location to  
be graveled as per  
Randal Mick 1/8/97  
47-051-00832



PIPELINES

PIPELINES

Big Run  
Ridge

Krebs  
SWITZERLAND  
KREBS

1217 HM  
ROAD

NORMAL POOL ELEV 610

630  
640  
Cem

Captina

FISH

Mine

WOODLANDS

Woodlands

Blair Run

Substation

Johnson

Run

640  
645  
650

RIDGE

Yost

Run

Mile 115

Franklin

Cem

Oil Well

Clarington Cem

Substation  
Cem

OHIO  
660

Woodland Hill  
Ch

PENN CENTRAL

MONROE CO  
MARSHALL CO

NORMAL POOL ELEV 602  
Light

BURCH

Cem

561

Cem

102

WAYNE

Cum

OHIO  
WEST VIRGINIA

BALTIMORE

Wells  
630

Clarington Sta

Kent

Powhatan Point Quad  
Franklin Dist.

# Fax Transmission

No. of pages incl. this one: 3

To: Al Blankenship

Fax number: 304-759-0529

Voice: 1-304-759-0514

From: Invitation Energy, Inc  
Joe O'Ferrell

Date: 3/16/2000

If you do not receive all pages, please contact:

Invitation Energy, Inc.  
RR 2 Box 245  
Mannington, WV 26582  
304-986-3561/304-986-1082  
304-986-3521 (fax)

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Subject:

The map for well # 47-51-0832 Marshall Co.  
Harold Higgs well/ Franklin District.





CONSENT FOR ACCESS TO PROPERTY

Office of Oil & Gas

FEB 07 1997

RECEIVED  
STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENT  
OFFICE OF OIL & GAS

Columbian Chemicals Company ("Columbian") hereby consents to the U.S. Environmental Protection Agency ("EPA") and its officers, employees, agents, consultants, contractors, subcontractors and representatives, including those acting under orders from EPA and those acting under authorization from the EPA ("EPA" and its "representatives"), entering and having continued access to that portion of the property owned or operated by Columbian and wherein EPA knows or suspects there may be a threat posed by methane gas the Highway Route 2 Gas Leak Site ("Site"), located adjacent to WV Route 2 and the Ohio River on the Marshall County Tax Map Plot 27, Franklin District, Marshall County, West Virginia. The undersigned representatives of Columbian certify that they are fully authorized to enter into the terms of this "Consent for Access to Property", to execute this "Consent for Access to Property", and to legally bind Columbian according to the following terms and conditions:

Columbian acknowledges that EPA has explained the need to conduct certain response actions under the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended ("CERCLA"), 42 U.S.C. §§ 9601-9675, at the Site. The actions to be conducted may include, but not be limited to: conducting soil, water and air sampling; sampling of solids or liquids stored or disposed of at the Site; investigatory contact or subsurface methane gas concentration; drilling and/or installation of a venting well; and maintaining any well that is installed, for the purpose of investigating and/or remediating methane gas

-2-

contaminated at the site.

Columbian, by its signature below, grants to EPA and its Representatives the right to enter and freely move about all portions of the site upon reasonable notice, for a period of time beginning on the effective date of this "Consent for Access to Property" and continuing up until the completion of the response action, for the purposes of taking all necessary response actions, not inconsistent with the national contingency plan, 40 C.F.R. Part 300, including but not limited to those response actions described above. Columbian agrees that all tools, equipment, and other property (hereinafter "equipment") taken upon the site by EPA and/or its Representatives, shall remain the property of the EPA and/or its Representatives, and that while on the site, Columbian will not interfere with the use of said equipment.

Columbian acknowledges that during the course of EPA's response activities, there is the possibility that its property contained within the site may be disturbed. EPA will use its best efforts to restore, to a level consistent with the quality of current construction practices, any property within the site which has been disturbed as a result of the response activities.

This "Consent for Access to Property" shall remain in effect until the completion of all appropriate response actions on the site. EPA will advise Columbian, in writing, when these actions have been completed.





The EPA and its representatives acknowledge that they are to contact the plant manager, Larry Strunk or his designee, at (304) 845-4100 to give Columbian reasonable notice prior to entering the site, and to keep Larry Strunk or his designee informed about the remediation and related activities at the site.

The EPA and its representatives acknowledge receipt of Columbian's health and safety rules and agree to abide by those rules while on site, except to the extent the rules may be in conflict with the National Contingency Plan.

Columbian acknowledges that the actions by EPA are taken pursuant to EPA's response and enforcement responsibilities under CERCLA, 42 U.S.C. §§ 9601-9675.

Columbian acknowledges that this written permission is given voluntarily without threats or promises of any kind. By entering into this agreement, Columbian does not waive any of its rights under applicable law.

Agreed this 26<sup>th</sup> day of June, 1986.

Signature of Columbian: [Signature]

Title: General Counsel  
Address of Columbian: 1600 Parkwood Circle, Ste 400  
Atlanta, GA 30339

Address of site: Highway Route 2 Gas tanks lots  
c/o Columbian Chemical Company  
Route 2 Box 228  
Pactor, WV 26055



JAN 31 1987 1512:05P12 FR U.S.E.P.A. PLANT

304 845 2768 TO 92340259  
INVERSION CONTROL

NO. 016 P. 25/00  
770 001 514212 0710

SENT BY:

Recipient:

U.S. Environmental Protection Agency

Margie E. ...  
Margie E. ...  
Margie E. ...  
Margie E. ... (OVC)

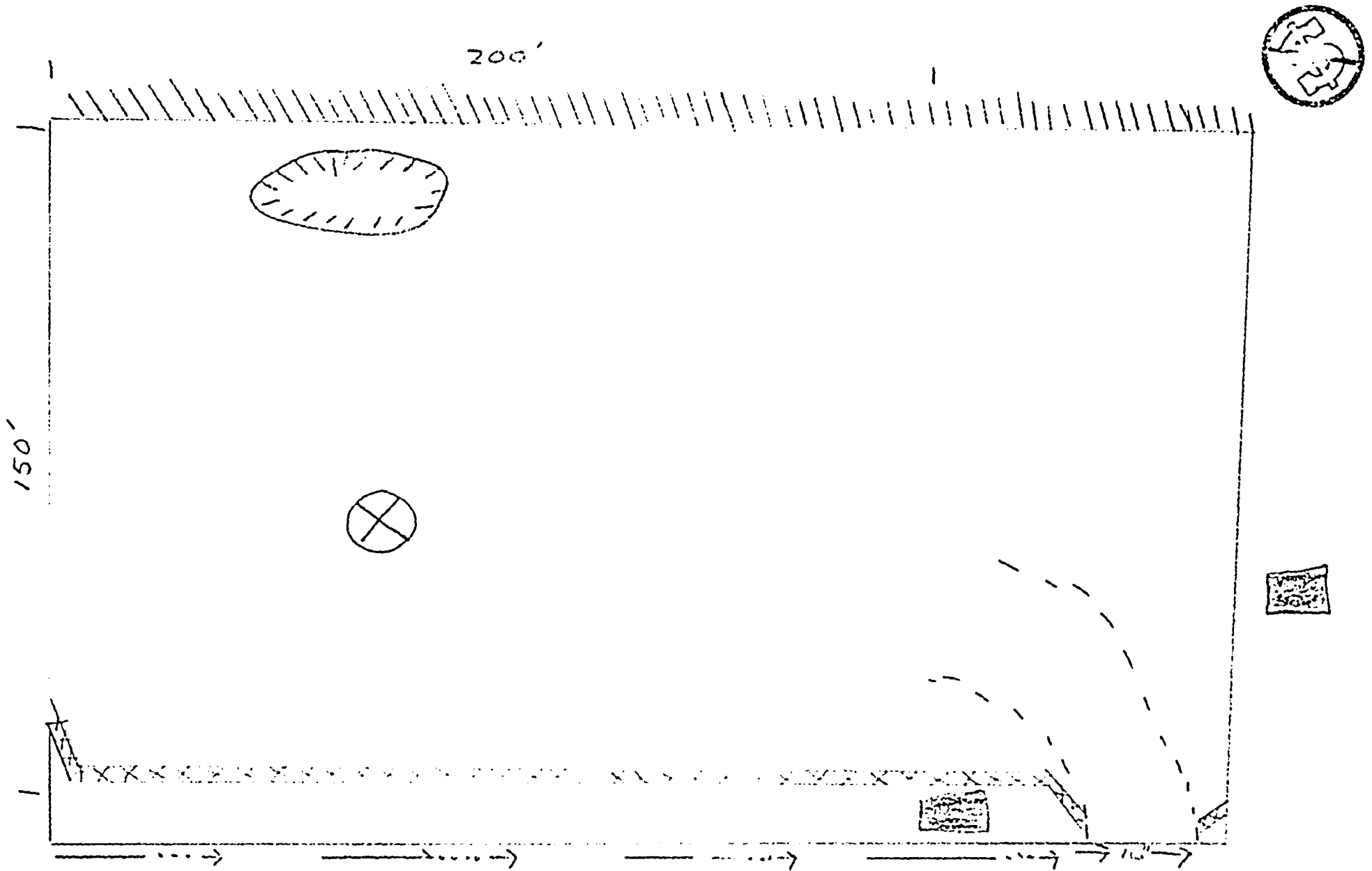


JAN 29 '87 17:22

### SAFETY RULES FOR CONTRACTORS

1. A Contractor Work Permit must be obtained from the Management before contractor's employees enter work each day. The contractor's Access shall be supervised by a Columbia supervisor for each job performed.
2. Contractors will supply personal protective equipment to their employees. Contractor personnel will observe safety rules inside in Columbia's facilities. Safety glasses with side shields, hard hats and steel toe shoes or heavy pants to wear at all times in the work area.
3. Contractor shall immediately notify Columbia of an injury occurring while on the plant site.
4. Contractor shall follow good housekeeping practices keep the work area neat and orderly as the job progresses and clean up thoroughly at job completion.
5. Fire extinguishers, alarm boxes, air tank refills, weather boxes, safety showers and exits are to be kept free from any obstruction which would interfere with use of these items.
6. Contractors shall not block operating areas, passageways, roads or railroads without specific permission of Columbia operations.
7. Operators of mobile equipment on the plant site must observe all site traffic rules.
8. The contractor and contractor's employees will confine themselves to the work area and authorized service facilities only.
9. Tools and materials used on unbraced work areas are to list as scaffolding beams, pipes, or ladders.
10. Dropping or throwing materials and equipment from upper levels is strictly prohibited.
11. Contractors performing overhead work will stop all work below.
12. The contractor shall provide the appropriate permits for all chemicals brought on site.
13. Plant emergency procedures must be reviewed by all contractors prior to start of any work.
14. The contractor must use plant tools, safety and other facilities that have been designed for contractors use.
15. Contractor shall dispose of all chemicals and materials accumulated during the course of work in accord with Columbia operations.
16. The contractor must provide a work permit at the beginning of each day. The permit process includes identification of the work area and an inspection by appropriate Columbia supervisor and the contractor supervisor to identify any special permits or conditions required in addition to standard safety and environmental rules.  
Additional permits must be obtained for any confined space work, any hot work, 12" breaking or equipment hot work on a daily basis as defined on daily contractor permits. If more than one permit is involved, the daily contractor work permit is to be reviewed and prepared or renewed at the beginning of each shift.
17. Upon job completion, the work area must be inspected by contractor and appropriate Columbia representatives to insure that work is complete and that the work area has been cleaned up.





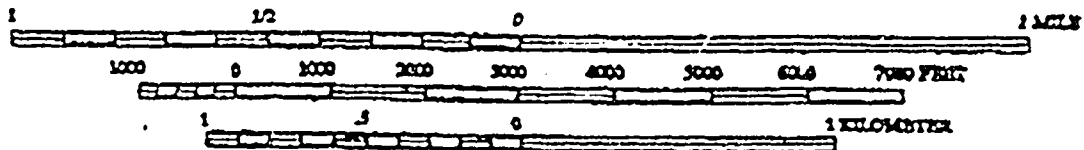
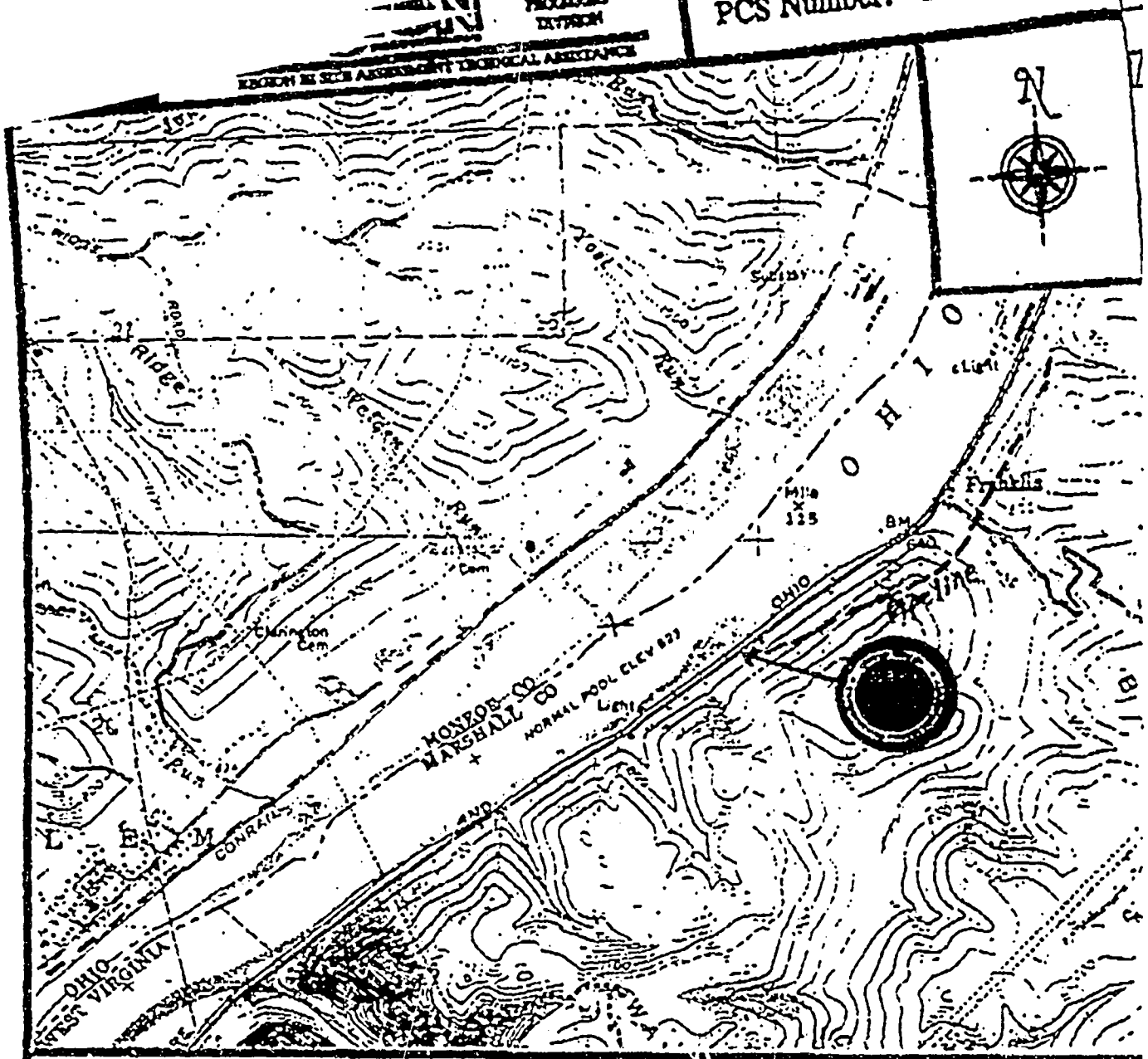
Rt 2

Road and location to  
 be graveled as per  
 Randal Mick 1/8/97

FEDERAL PROGRAM DIVISION

PCS Number: 3073

EXHIBIT IN SITE ASSESSMENT TECHNICAL ASSISTANCE



**SITE TOPOGRAPHIC MAP**  
 (Powhatan Point Quadrangle)  
**Midway Route 2 Site**  
**Moundville, Marshall County, West Virginia**

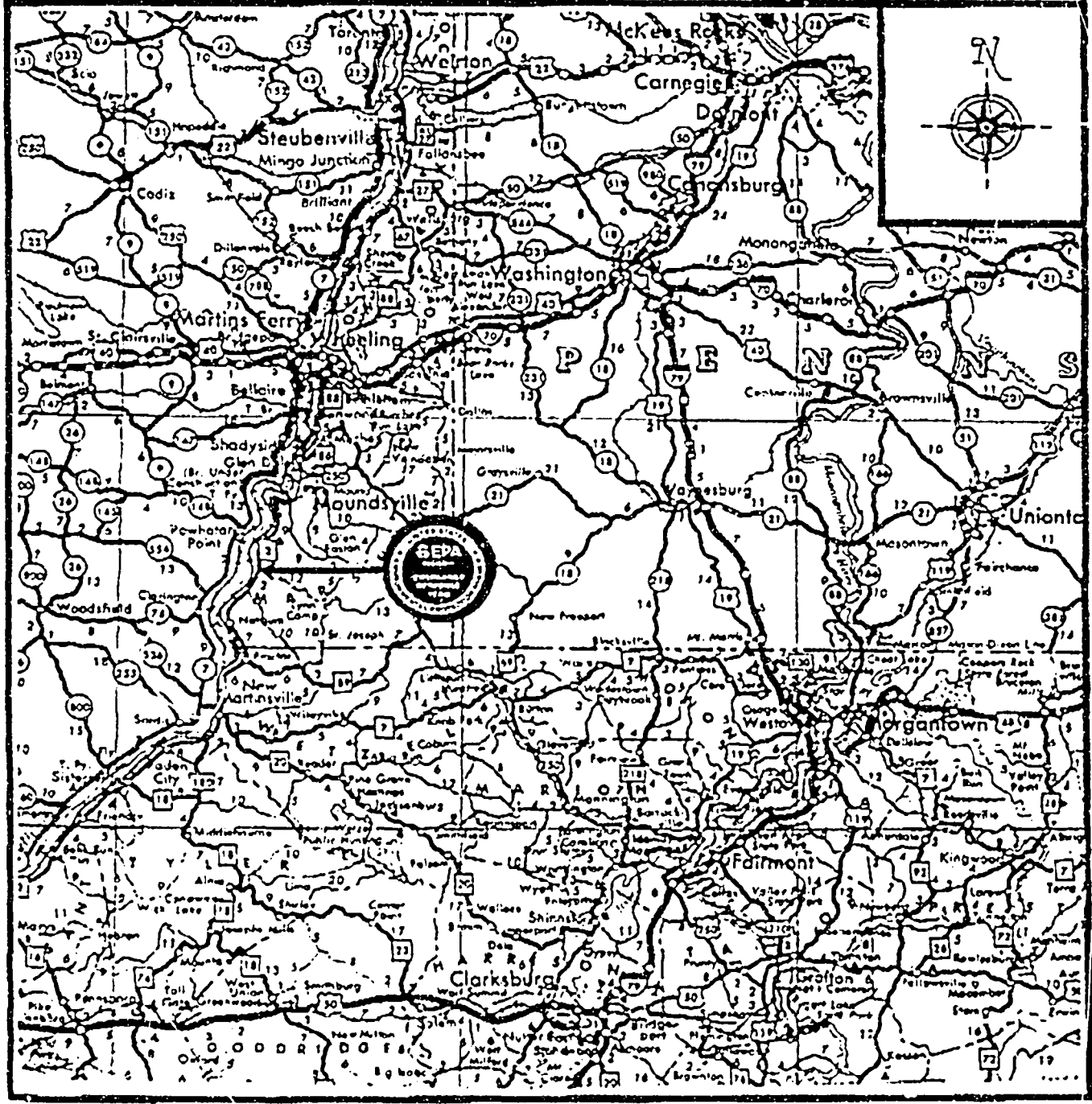


# WESTON

FEDERAL PROGRAMS DIVISION

REGIONAL SITE ASSESSMENT TECHNICAL ASSISTANCE

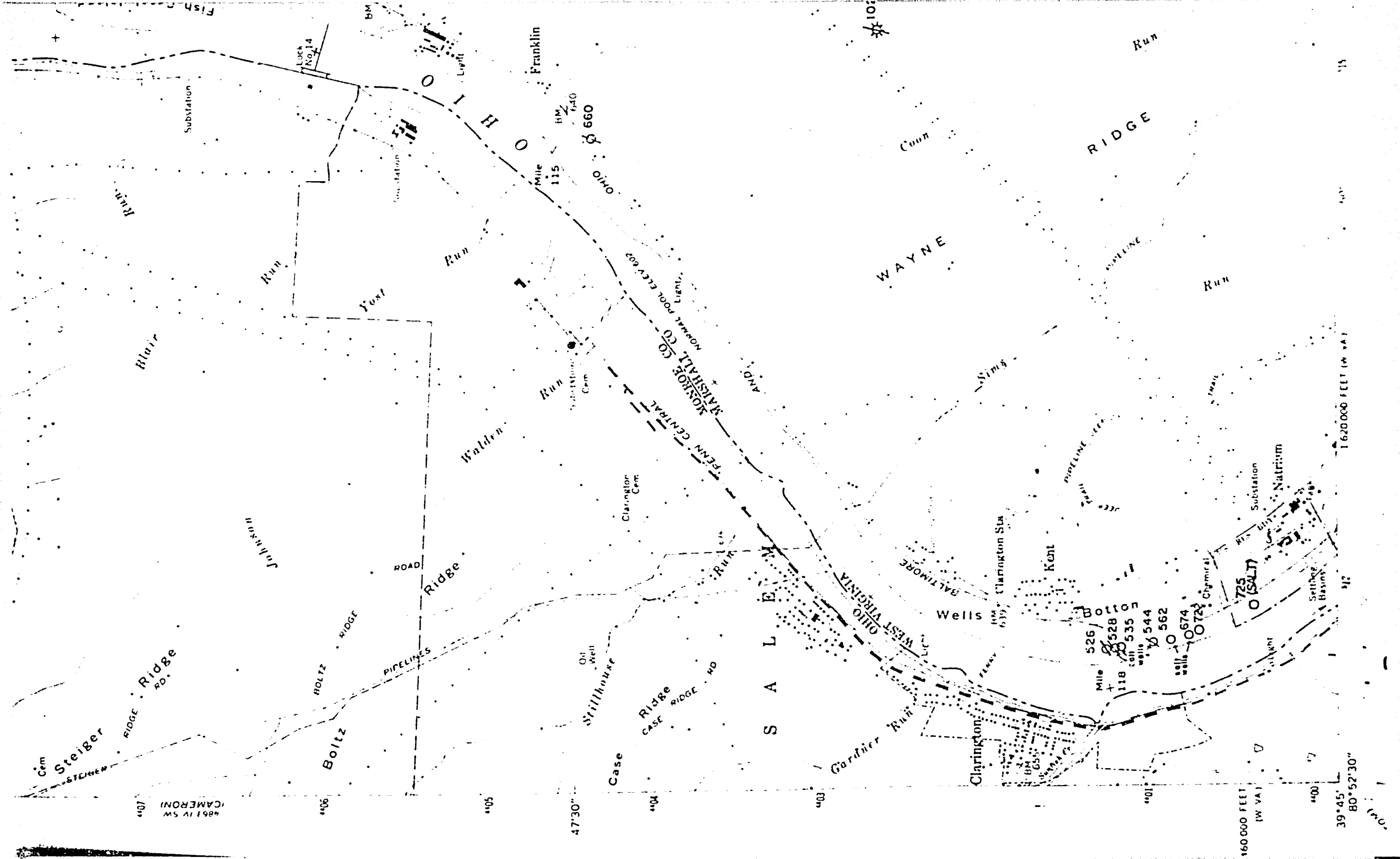
TDD Number: 9701-73A  
PCS Number: 3241



### SITE LOCATION MAP

Midway Route 2 Site  
Moundsville, Marshall County, West Virginia

97020955.03



4861 IV SW (CAMERON)

4407

4406

4405

4730'

4404

4403

4401

4400

160 000 FEET (W V A)

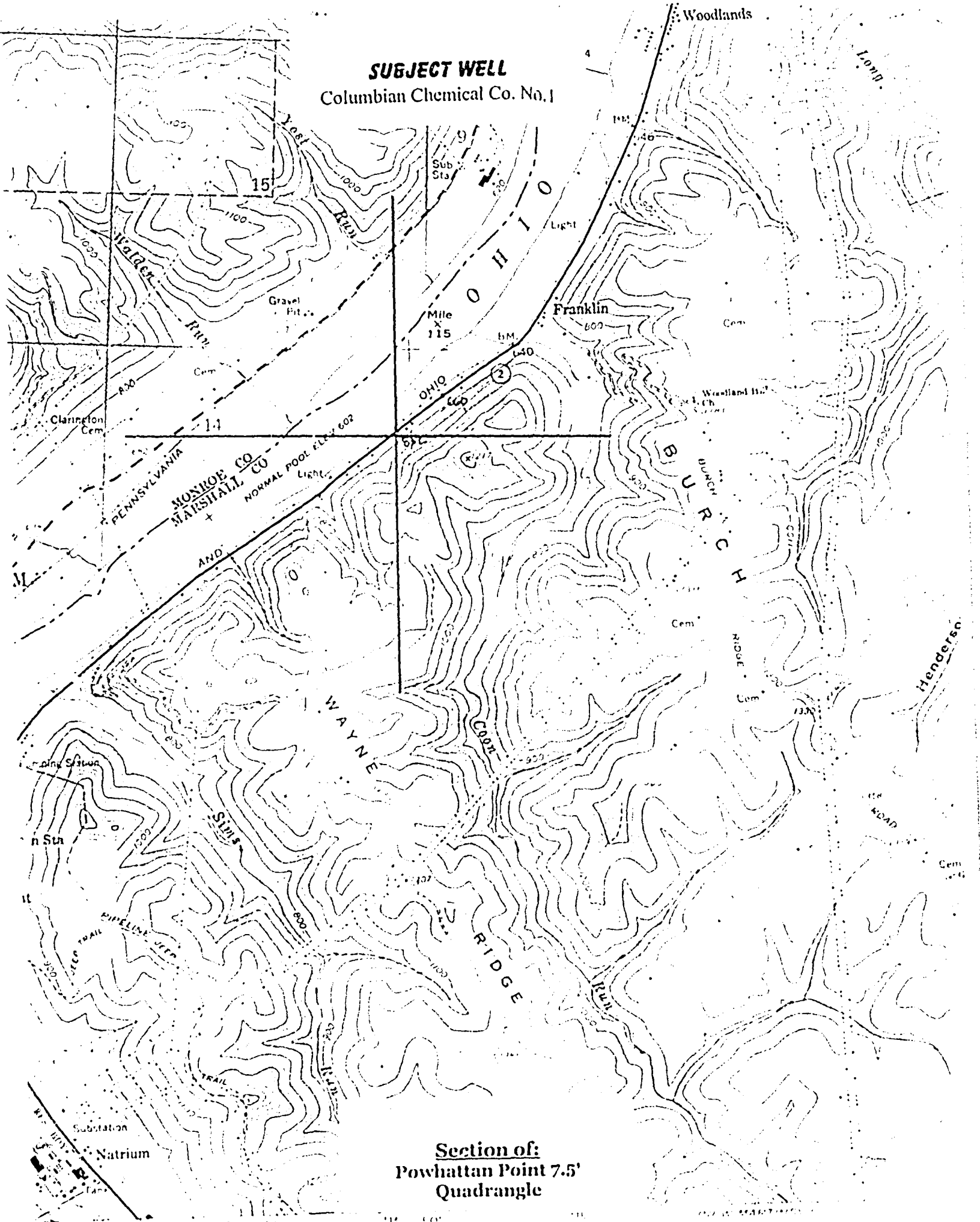
39°45' 80°52'30"

912

1620 000 FEET (W V A)

915

**SUBJECT WELL**  
Columbian Chemical Co. No. 1



Section of:  
**Powhattan Point 7.5'**  
Quadrangle