

107-0810-L1

Gedco Oil & Gas Company

Marian McPherson

(WOOD)

Well NO;

107-0810-LI

McPherson #4

INSPECTOR'S PERMIT SUMMARY FORM

MAR 25 1995

DATE STARTED/LOCATION: _____
DRILLING COMMENCED: _____
TD DATE: _____ DEPTH: _____

API# 47-107-00810 S
OPERATOR: GEDCO OIL & GAS JOINT VENTUR
FARM: McPHERSON, MARIAN R.
WELL NO.: McPHERSON #4
COAL DEPTHS _____

WATER DEPTHS

1. IS THE OPERATOR KEEPING DETAILED DRILLING AND CEMENT RECORDS: _____
YES [] NO [] (6 POINTS)
RAN _____ FEET OF _____" 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
RAN _____ FEET OF _____" PIPE ON _____ CEMENTED WITH _____ SACKS (CIRCULATED) Y
PIT DISCHARGE DATE: _____ TYPE: _____ WEATHER CONDITIONS: _____ LAND

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 22-6-28, 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 [] (2PT)
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 SANKS 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 MODIFICATIONS YES [] NO []
TOTAL POINTS PAGE 1 (60 P

25-Mar-99

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS
CHARLESTON 25311
FINAL INSPECTION REPORT

Dear KIMBERLY LYNCH:

The FINAL INSPECTION REPORT for the CANCELLED permit listed below has been received in this office. The permit has been cancelled as of 03/25/99.

Company: GEDCO OIL & GAS JOINT VENTURE
Permit No. 47-107-00810 S
Farm: McPHERSON, MARIAN R.
County: WOOD

Issued On: 08/05/96
Well: McPHERSON 4
District: CLAY

Al Blankenship
Al Blankenship
Environmental Resource Specialist
Division of Environmental Protection

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

WELL WORK PERMIT

This permit, issued to GEDCO OIL & GAS JOINT VENTURE is evidence of permission granted to perform the specified well work at the location described 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 to the Oil and Gas Inspector GLEN ROBINSON at 304-759-0579 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 reported to 1-800-654-3312.

Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and in addition may result in civil and/or criminal penalties.

Well work to be conducted under this permit shall be commenced within two (2) years from date of issue.

Theodore M. Streit
Chief

By: 

Title: VIC Program Director

Operator's Well No: McPHERSON #4

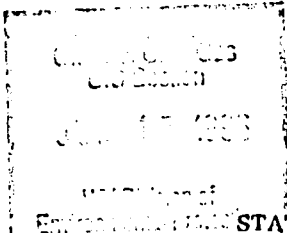
Farm Name: McPHERSON, MARIAN R.

API Well Number : 47-107-00810 S

Date Issued : 08/05/96

Expires two (2) years from issue date.

10/91



1) Date: _____, 19____
 2) Operator's Well No. McPherson #4
 3) SIC Code _____
 4) API Well NO. 47 - 107 - 810 LI
State County Permit
 5) UIC Permit No. 2R10701AP

21929

STATE OF WEST VIRGINIA
 NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION
 for the
 DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

- 6) WELL TYPE: Liquid injection _____ / Gas injection (not storage) / Waste disposal _____
- 7) LOCATION: Elevation: 890' / Watershed: Tunnel Run & Left Fork Kites Run
 District: Clay / County: Wood / Quadrange: Kanawha 7.5' 413
- 8) WELL OPERATOR Gedcc Oil & Gas Joint Ven. 9) DESIGNATED AGENT Kim Lynch
 Address Rt. 1 Box 175-E / Address P.O. Box 154
Marietta, Ohio 45750 / Waverly, WVa. 26184
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Glen P. Robinson
 Address P.O. Box 1
Belleville, WVa. 26133-0001
- 11) DRILLING CONTRACTOR:
 Name _____
 Address _____
- 12) PROPOSED WELL WORK: Drill _____ / Drill deeper _____ / Redrill _____ / Stimulate _____
 Plug off old formation _____ / Perforate new formation _____ / Convert
 Other physical change in well (specify) _____
- 13) GEOLOGICAL TARGET FORMATION, Berea Ss. Depth 2366' feet (top) to 2376' feet (bottom)
- 14) Estimated depth of completed well, (or actual depth of existing well) 2452' ft.
- 15) Approximate water strata depths: Fresh, n/a feet; salt, 1750' feet.
- 16) Approximate coal seam depths: _____
- 17) Is coal being mined in the area? Yes _____ / No
- 18) Virgin reservoir pressure in target formation 650 psig. Source existing wells on lease
- 19) Estimated reservoir fracture pressure 2200 psig (BHFP)
- 20) MAXIMUM PROPOSED INJECTION OPERATIONS: Volume per hour: 5 mcf Bottom hole pressure 200
- 21) DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED, INCLUDING ADDITIVES: _____
Natural Gas
- 22) FILTERS (IF ANY): _____
- 23) SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL: _____

24) CASING AND TUBING PROGRAM

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									Kind: <u>Parmeco</u>
Fresh water									<u>Tension</u>
Coal	<u>10 3/4"</u>					<u>207'</u>	<u>207'</u>	<u>30 sks</u>	Size: <u>2 3/8" x</u>
Intermediate	<u>7"</u>					<u>1900'</u>	<u>1900'</u>		<u>4 1/2"</u>
Production	<u>4 1/2"</u>	<u>8rd</u>	<u>10.5</u>			<u>2450'</u>	<u>2450'</u>	<u>80 sks</u>	Depth set: <u>2360'</u>
Tubing	<u>2 3/8"</u>					<u>2360'</u>	<u>2360'</u>		
Liners									Perforations Top <u>2368'</u> Bottom <u>2372'</u>

25) APPLICANT'S OPERATING RIGHTS were acquired from Clay Resources, Inc.
 by deed / lease _____ / other contract _____ / dated May 2, 19 88, of record in the
Wood County Clerk's office in Parkersburg Book 861 at page 119

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-107-0810-LI


August 5th 19 96
Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and (if required) construction and reclamation plan, subject to any modifications and conditions specified below.

Permit expires 8-5-98 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee


CHIEF, OFFICE OF OIL AND GAS

NOTE: Keep one copy of this permit posted at the drilling location.

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

OFFICE USE ONLY

This part of Form IV-3(b) is to record the dates of certain occurrences and any follow-up inspections.

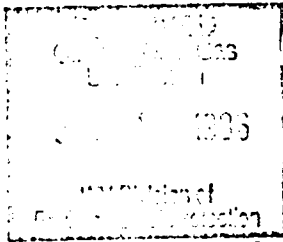
	Date	Follow-up inspection(s)	Date(s)
Application received			
Well work started		" "	
Total depth reached		" "	
Well Record received		" "	
Reclamation completed		" "	

OTHER INSPECTIONS

Reason: _____

Reason: _____

FORM WW-3(A)
Obverse



1) Date _____
Operator's _____
2) Well No. McPherson #4
3) SIC Code _____
4) API Well No. 47 - 107 - 810LI
State County Permit

STATE OF WEST VIRGINIA

NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION
for the
OFFICE OF OIL AND GAS, DIVISION OF ENVIRONMENTAL PROTECTION

6) SURFACE OWNER(S) OF RECORD TO BE SERVED	7 (i) COAL OPERATOR _____ Address _____
(i) Name <u>Marian R. McPherson</u> Address <u>Rt. 1</u> <u>Walker, WVa. 26180</u>	7 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD: Name _____ Address _____
(ii) Name _____ Address _____	7 (iii) COAL LESSEE WITH DECLARATION ON RECORD: Name _____ Address _____
(iii) Name _____ Address _____	

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Liquid Injection or Waste Disposal Well Work Permit on Form WW-3(B), which sets out the parties involved in the drilling or other work, and
- (2) The plat (surveyor's map) showing the well location on Form WW-6; and
- (3) The Construction and Reclamation Plan on Form WW-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

The date proposed for the first injection or waste disposal is August 1, 1996.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM WW-3(B)) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

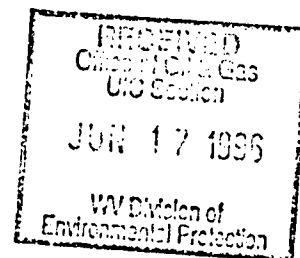
Take notice that under Chapter 22B of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Chief of the Office of Oil and Gas, West Virginia Division of Environmental Protection, with respect to a well at the location described on the attached Application and depicted on attached form WW-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan 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.

The person signing this document shall make the following certification:

"I certify under penalty of law that I have Gedco Oil & Gas Joint Venture personally examined and am familiar with the Well Operator information submitted in this document and all attachments and that, based on my inquiry of By _____ those individuals immediately responsible for Its Operations Manager 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. PH: 614-374-2940

GEDCO Oil & Gas Inc.

Route 1 Box 175E
Marietta, Ohio 45750
(614) 374-2940



June 12, 1996

Mr. Gene Smith
West Virginia Department of EPA
Division of Oil & Gas
#10 McJunkin Road
Nitro, Wva. 25143

Dear Gene,

We are applying for a well conversion to natural gas injection under our UIC Permit 2R10710AP. I have enclosed the necessary application forms.

Thank you for your time and consideration in this matter. If you should have any questions please let me know.

Sincerely,

Rocky Roberts

Rocky Roberts
Administrative Manager

enclosure

cd



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Elizabeth

Permit No. Woo-810

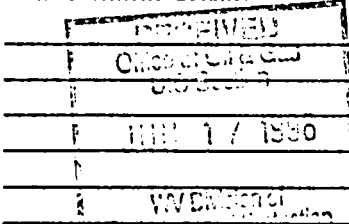
Rotary _____ Oil _____
Cable X Gas _____
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Company Big "B" Drilling Co., Inc.
Address Box 20, Sissonville, W. Va.
Farm C. E. McPherson Acres _____
Location (waters) Tunnell Run
Well No. 4 Elev. 890
District Clay County Wood
The surface of tract is owned in fee by _____
C. E. McPherson et. ux.
Address Parkersburg, W. Va.
Mineral rights are owned by C. E. McPherson
et. ux. Address Parkersburg, W. Va.
Drilling Commenced 3/3/78
Drilling Completed 4/23/78
Initial open flow _____ cu. ft. _____ bbls.
Final production _____ cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			to surface
Cond. 13-10"	217	217	
9 5/8			pulled
8 5/8	1110		
7	1899		pulled
5 1/2			
4 1/2			
3			
2			
Lines Used			

Well treatment details:

Attach copy of cementing record.



Coal was encountered at None Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Berea Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	10		
Red Rock			10	350		
Shale			350	420		
Red Rock			420	460		
Shale			460	475		
Sand			475	500		
Red Rock			500	550		
Shale			550	600		
Red Rock			600	672		
Sand			672	795		
Shale			795	830		
Sand			830	900		
Shale			900	932		
Red Rock			932	1025		
Shale			1025	1060		
Red Rock			1060	1071		
Shale			1071	1100		
Sand			1100	1115		
Shale			1115	1322		
Sand			1322	1510		
Shale			1510	1570		
Sand			1570	1600		
Shale			1600	1664		

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil Gas or Water	Remarks
Sand			1664	1908		Water (hole full) @ 1870'
Shale			1908	1920		
Sand			1920	1966		
Shale (Silty)			1966	2154		
Shale			2154	2350		
Coffee Shale			2350	2366		
Berea			2366	2376		
Shale			2376	2381		Log T. D.
				2381		

Date _____ 19____

APPROVED _____ Owner

By _____
(Title)

CAUTION

DUE TO THE CONDITION

OF THE ORIGINAL DOCUMENT(S),

THE FOLLOWING IMAGE(S)

MAY BE OF POOR QUALITY

CEMENT G-SERVICE REPORT



DOWELL DIVISION OF DOW CHEMICAL U.S.A.

PROJECT NUMBER **10-7208** DATE **3-6-78**
 STAGE **CHENVILLE W.V.** DOWELL DISTRICT

NAME AND NO. **C.E. McPherson #4**
 LOCATION POOL-FIELD **Tunnel Run Rec. 47**
 DOWELL REPRESENTATIVE **J.W. Kirchberg**
 COUNTY **Wood** STATE **W.Va.**

RIG NAME **Big B.**
WELL DATA
 HOLE SIZE **13"** CASING OR LINER A B C D
 DEPTH **207** SIZE WEIGHT **1074**
 ROT CABLE TOP
 BMST BOTTOM **207**
 BHLT GRADE & THREAD **8rad**
 BMCT CAPACITY **20.7**

NAME **Big B. Drilling Co.**
 ADDRESS
 ZIP CODE

MUD TYPE WT VISC.
 SHOE FLOAT TYPE DEPTH TYPE DEPTH
 STAGE TOOL TYPE DEPTH

SPECIAL INSTRUCTIONS
 PRESSURE LIMIT PSI BUMP PLUG TO PSI MIN
 ROTATE RPM RECIPROCATE FT CENTRALIZERS NO

TBG DP HEAD & PLUGS SQUEEZE JOB
 SIZE DOUBLE TOOL TYPE
 WEIGHT SINGLE DEPTH
 GRADE SWAGE TAIL PIPE IN FT.
 THREAD KNOCKOFF PERF INTERVAL FT.
 NEW USED TOP R W TO
 DEPTH BOT R W TO
 CAPACITY OTHER TO

JOB SCHEDULED FOR TIME **1200** DATE **3-6-78** ARRIVED ON LOCATION TIME **1300** DATE **3-6-78** LEFT LOCATION TIME **1345** DATE **3-6-78**

TIME	PRESSURE		VOLUME PUMPED	INJECT. RATE	SERVICE LOG DETAIL
	TBG. OR D.P.	CASING			
1200					Spot trucks, Hook up to water & Pipe Hold Safety Meeting.
1240			25	4	Start Pumping, 8 Bbl Water-12 Gal 5 spacer
1245			17	4	Mix Pump 80 Sks Neat w/ 4% Calcium 1sk. Celko Flake,
1250					Cement in, Displace w. th 19.3 Bbls Water
1257					Displacement in, Shut Valve Rig down-Wash up.
1345					Leave loc.

Stamp: JUN 17 1980
 WVD
 Man

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT./SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED VOL.	WT.
1.	80	1.18	Neat w/ 4% Calcium	16	15.6
2.					
3.					

BREAKDOWN FLUID WT. SACKS MIXED **80** PUMPED **80** PRESSURE MAX. MIN.
 RESISTATION SO. RUNNING SO. CIRCULATION LOST YES NO
 CEMENT CIRCULATED TO SURF. YES NO
 BREAKDOWN PSI FINAL PSI CEMENT LEFT IN PIPE: **12** FT.
 WASHED THRU YES NO TO FT MEASURED DISPLACEMENT WIRELINE AS PLANNED UNAVOIDABLE
 TYPE OF WELL OIL STORAGE BRINE/WATER GAS INJECTION WILDCAT
 CUSTOMER REPRESENTATIVE **Barrett** DOES CUSTOMER CONSIDER SERVICE: SATISFACTORY UNSATISFACTORY UNKNOWN

CEMENTING SERVICE REPORT



DOWELL DIVISION OF DOW CHEMICAL U.S.A.

STAGE NUMBER: 12-
 DATE: 4-24-78
 STAGE: DOWELL DISTRICT: Glenville

496-R PRINTED IN USA

CLIENT NAME AND NO: F. M. E. Pherson # 4
 LOCATION-POOL FIELD: Leachtown
 OPERATOR: J. F. Couch
 COMPANY: Big B Drilling Co., Inc
 ADDRESS: _____
 ZIP CODE: _____

RIG NAME: _____
 WELL DATA:
 HOLE SIZE: 6 1/2
 CASING OR LINER: 4 1/2 A B C D
 DEPTH: 2452
 SIZE-WEIGHT: 10.5
 ROT: ROT SABLE
 TOP: _____
 BHST: _____
 BOTTOM: 2450
 BHMT: _____
 GRADE & THREAD: ERD
 BHCT: _____
 CAPACITY: 39

SPECIAL INSTRUCTIONS: _____
 PRESSURE LIMIT: 1500 PSI
 BUMP PLUG TO: 1500 PSI
 ROTATE: RPM: _____
 RECIPROCATATE:
 CENTRALIZERS NO: 3

MUD TYPE: _____ WT: _____ VISC: _____
 SHOULDER: _____
 TYPE: Latchdown
 DEPTH: 2417
 TYPE: Guide
 DEPTH: 2450
 SQUEEZE JOB:
 HEAD & PLUGS: _____
 SIZE: _____
 WEIGHT: _____
 GRADE: _____
 THREAD: _____
 NEW: USED:
 TCP: R: W:
 DEPTH: _____
 BOT: R: W:
 CAPACITY: _____
 OTHER: _____

JOB SCHEDULED FOR TIME: 1800 DATE: 4-24-78
 ARRIVED ON LOCATION TIME: 1900 DATE: 4-24-78
 LEFT LOCATION TIME: 2100 DATE: 4-25-78

TIME	PRESSURE		VOLUME PUMPED	INJECT. RATE	SERVICE LOG DETAIL
	TBC OR D.P.	CASING			
1900					Spot white + have safety meeting
1930					Rig up
2045			30 Bbls	5 BPM	Start to circulate hole with water
2051			70 "	5 "	Mix gel
2059			109 "	5 "	Displace gel
2340			109 "	3 "	Try to pull 7" Csg
2343					Mix cement
2344					Drop plug + flush line
2352	1500		148 "	5 "	Start displacement plug on bottom Rig down

RECEIVED
 JUN 17 1980

REMARKS: _____

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT./SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY-MIXED	
			WT.	WT.	WT.	WT.
1.	80	1.50	FC		9.8	14.2
2.						
3.						

BREAKDOWN FLUID WT: _____ SACKS MIXED: 45 PUMPED: 45 PRESSURE MAX: 1500 MIN: _____
 HESITATION SO: RUNNING SG: CIRCULATION LOST: YES NO
 CEMENT CIRCULATED TO SURF: YES NO
 CEMENT LEFT IN PIPE: None FT. _____
 WASHED THRU: YES NO TO _____ FT MEASURED: DISPLACEMENT WIRELINE
 PLANNED UNAVOIDABLE

TYPE OF WELL: OIL STORAGE BRINE/WATER GAS INJECTION WILDCAT
 CUSTOMER REPRESENTATIVE: A. J. Beard
 DOES CUSTOMER CONSIDER SERVICE: SATISFACTORY UNSATISFACTORY UNKNOWN

is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
 Ms Marcy McPherson
 Rt 1
 Walker W Va 26180

4a. Article Number

4b. Service Type

Registered Certified
 Express Mail Insured
 Return Receipt for Merchandise COD

7. Date of Delivery
 6-13-96

5. Received By: (Print Name)

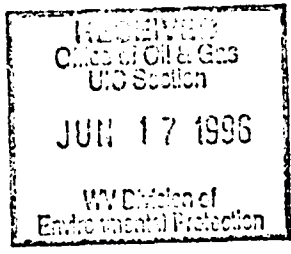
8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)
 Marcy McPherson

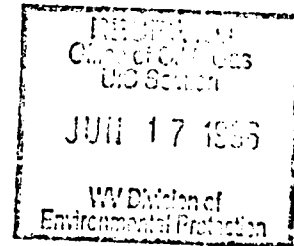
PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.



West Virginia Division of Environmental Protection
Office of Oil and Gas



107-6810

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

If no water well or spring is located within 1000 feet, the Chief may require the operator to sample and analyze water from a water well or spring within 2000 feet of the proposed well site.

Be advised, you have the right to sample and analyze any water supply at your own expense.

The laboratory used by the operator to analyze the samples will be approved by the Chief. The operator named below has decided to use the following laboratory to analyze the water samples:

Contractor Name Kemron Environmental Services 614 - 373-4071
 Well operator's private laboratory

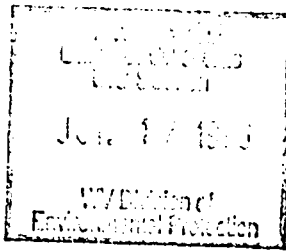
Well Operator Gedco Oil & Gas Joint Venture, Inc.
Address RT. 1 BOX 175-E
Marietta, Ohio 45750

Telephone 614-374-2940

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underlining which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site please indicate such.

Marian McPherson
Watson Francis
Walter Gulezian
Richard Marshall
C E McPherson

Howard Degoins
Clyde Yoho



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 Gedco Oil & Gas Joint Venture, Inc. OP Code 19060

Watershed Tunnel Run, Left Fork Kites Run Quadrangle Kanawha 7.5'

Elevation 890' County Wood District Clay

Description of anticipated Pit Waste: _____

Will a synthetic liner be used in the pit? _____

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 no waste water, converting existing well to gas inj.)

Proposed Work For Which Pit Will Be Used:

- _____ Drilling _____ Swabbing
- _____ Workover _____ Plugging
- _____ Other (Explain _____)

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) Kean A. Weaver

Company Official Title Operations Manager

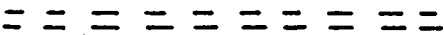
Subscribed and sworn before me this _____ day of _____, 19____


Notary Public

My commission expires _____


LEGEND

Property Boundary 

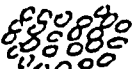
Road 

Existing Fence 

Planned Fence 

Stream 

Open Ditch 

Rock 
North 

Buildings 

Water wells 

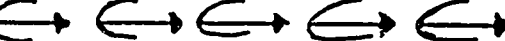
Drill site 

Diversion 

Spring 

Wet Spot 


Drain Pipe with size in inches 

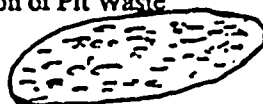
Waterway 

Cross Drain 

Artificial Filter Strip 

Pit: cut walls 

Pit: compacted fill walls 

Area for Land Application of Pit Waste 

Proposed Revegetation Treatment: Acres Disturbed _____ 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
 lbs/acre

Seed Type Area II
 lbs/acre

Will back-blade location upon completion of well work. Operator
will re-seed and mulch site if requested by surface owner or if it is
necessary.

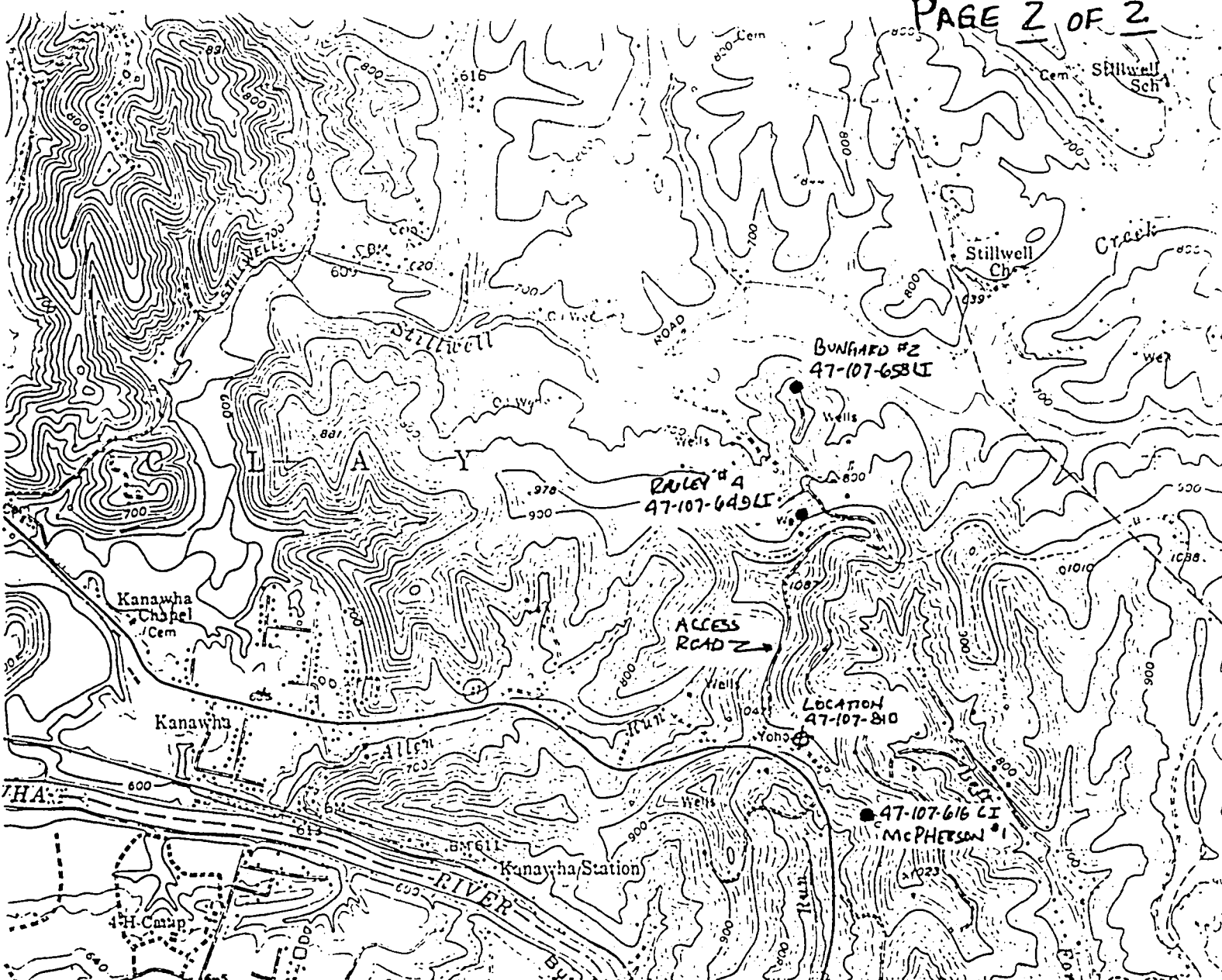
Attach:
Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

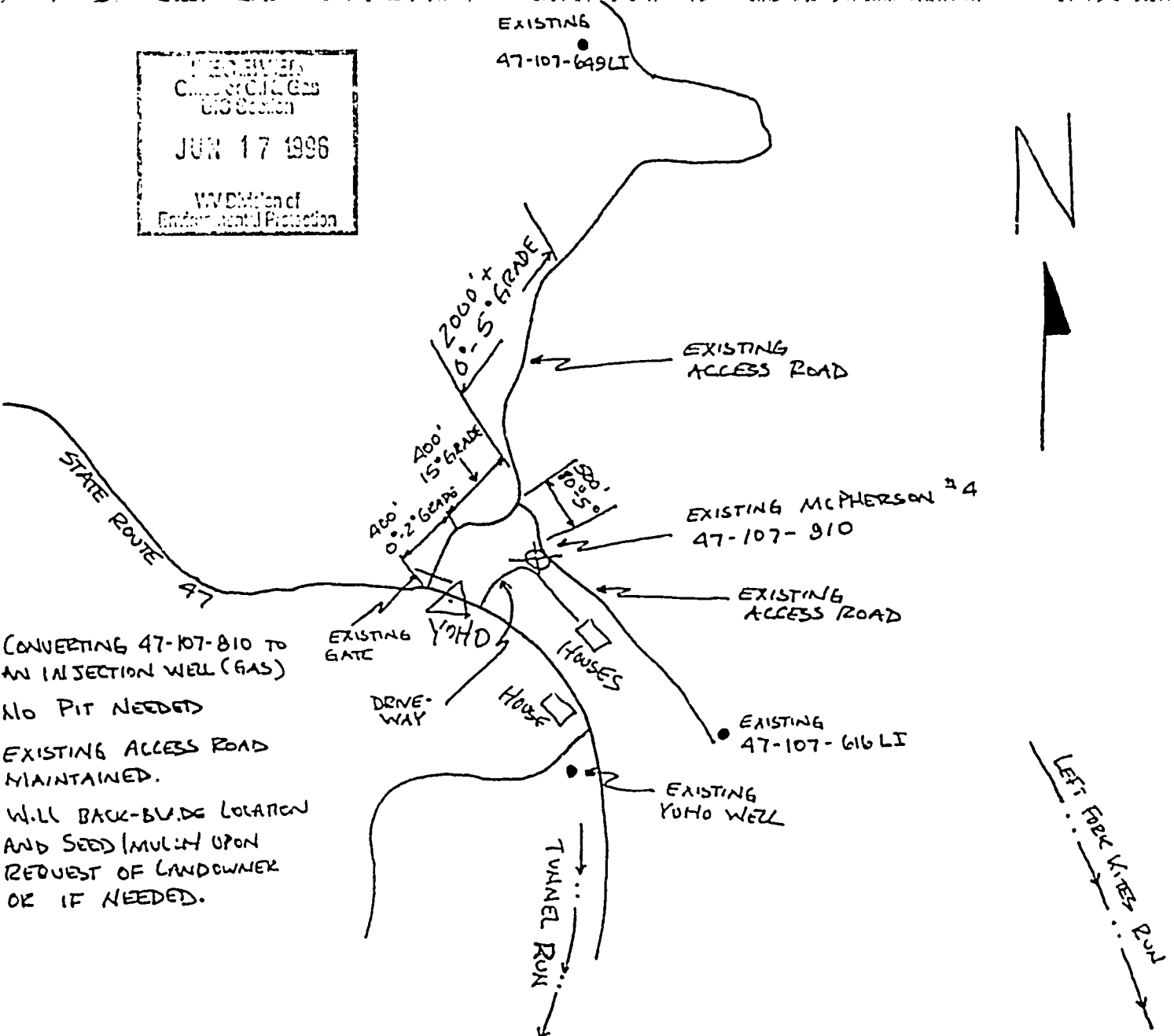
Title: _____ Date: _____

Field Reviewed? () Yes () No

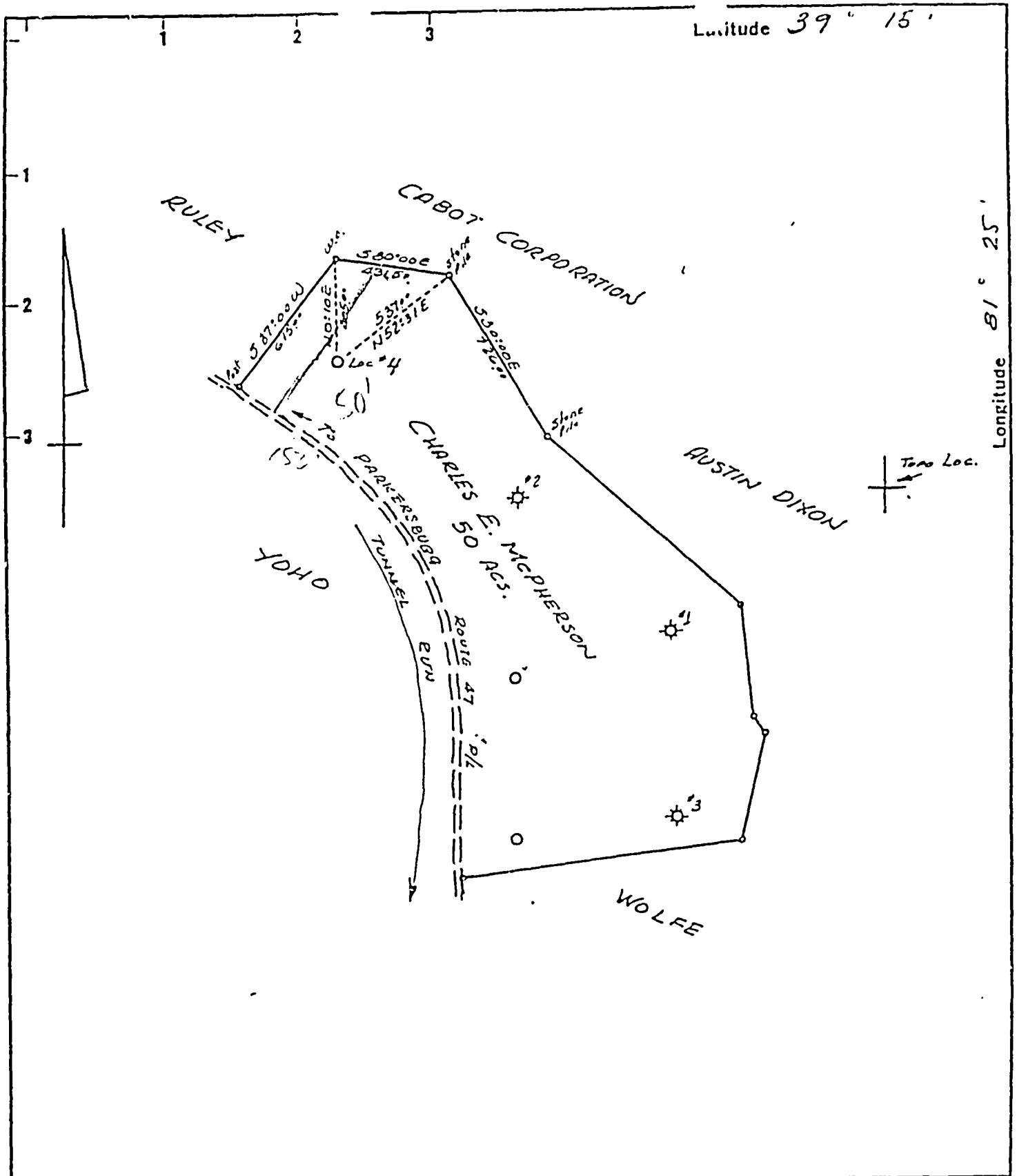


RESUBMIT
 Canoe or Gas
 US Section
 JUN 17 1996
 WV Division of
 Environmental Protection

EXISTING
 47-107-649LI



1. CONVERTING 47-107-810 TO AN INJECTION WELL (GAS)
2. NO PIT NEEDED
3. EXISTING ACCESS ROAD MAINTAINED.
4. WILL BACK-BUILD LOCATION AND SEED (MULCH UPON REQUEST OF LANDOWNER OR IF NEEDED).



New Location...
 Drill Deeper...
 Abandonment...

Minimum Error of Closure... 1 IN. 200
 Source of Elevation... U.S.G.S. BM ELEV. 1223' T.S.P. KN28 SE OF WELL LOC.

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Company BIG "B" DRILLING CO. INC.
 Address P.O. Box 20 JISSIONVILLE W.Va., 25320
 Farm CHAS. E. MCPHERSON
 Tract _____ Acres 50 Lease No. _____
 Well (Farm) No. 4 Serial No. _____
 Elevation (Spirit Level) 890.0
 Quadrangle ELIZABETH
 County WOOD District CLAY
 Engineer N.L. Peyton
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 11-22-73 Scale 1" = 500'

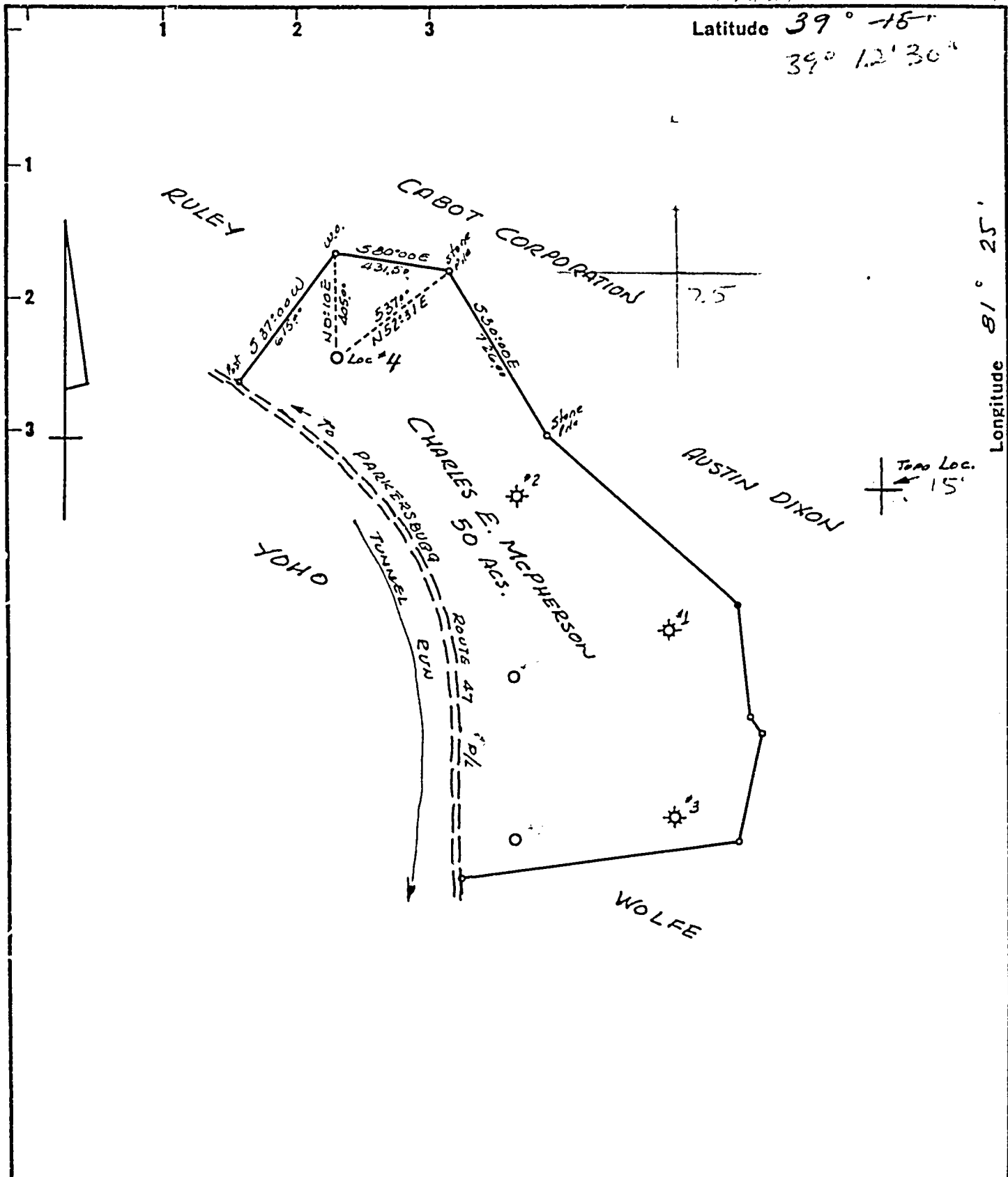
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. _____

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

Latitude $39^{\circ} 15'$
 $39^{\circ} 12' 30''$

Longitude $81^{\circ} 25'$



- New Location...
- Drill Deeper...
- Abandonment...

Minimum Error of Closure 1 IN 200
 Source of Elevation U.S.G.S BM ELEV 1023' TOP KNOB S'E OF WELL LOC

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

C Gedco Oil & Gas Joint Venture
 Rt. 1, Box 175-E
 Marietta, Ohio 45750

Tract _____ Acres 50 Lease No. _____
 Well (Farm) No. 4 Serial No. _____
 Elevation (Spirit Level) 890.0
 Quadrangle ELIZABETH - KANAWHA 7.5
 County WOOD District CLAY
 Engineer N.L. Sefton
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 11-22-73 Scale 1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. W00-810-5

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

47-107

2500' Base

WOOD 810-5