



1) Date: Nov. 15, 1982
 2) Operator's Well No. P-9
 3) API Well No. 47 073 1547
 State County Permit

DRILLING CONTRACTOR:

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage _____ / Deep _____ / Shallow)
- 5) LOCATION: Elevation: 960' Watershed: Sharps Run
 District: Jefferson County: Pleasants Quadrangle: Schultz 7.5'
- 6) WELL OPERATOR PRENCO 11) DESIGNATED AGENT Denzil L. Prather
 Address P. O. Box 91 Address P. O. Box 91
 Mineral Wells, WV 26150 Mineral Wells, WV 26150
- 7) OIL & GAS ROYALTY OWNER G.S.M. Powell Heirs 12) COAL OPERATOR None
 Address Belmont, WV Address _____
- 8) SURFACE OWNER Harry L. Sigler, Jr. 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address Rt. 3, St. Marys, WV 26170 Name _____
 Address _____
 Acreage 145 Name _____
 Address _____
- 9) FIELD SALE (IF MADE) TO:
 Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Robert A. Lowther
 Address General Delivery Middlebourne, WV 26149 Ph: 758-4764
- 15) PROPOSED WORK: Drill / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Devonian Shale
- 17) Estimated depth of completed well, 5000 feet
- 18) Approximate water strata depths: Fresh, n/a feet; salt, n/a feet.
- 19) Approximate coal seam depths: None Is coal being mined in the area? Yes _____ / No

RECEIVED
 NOV 16 1982
 OIL & GAS DIVISION
 DEPT. OF MINES

20) 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 | | | | | | | | | Kinds |
| Fresh water | 8-5/8 | | | X | | | 400' | To surface | Sizes |
| Coal | | | | | | | | | |
| Intermediate | 6-5/8 | | | X | | | 1200' | To surface | |
| Production | 4-1/2 | | | X | | | 4000' | 280 sks. reg. by Rte 15.01 | Perforations: Depths set |
| Tubing | | | | | | | | | |
| Liners | | | | | | | | | Top Bottom |

- 21) EXTRACTION RIGHTS
 Check and provide one of the following:
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)
- 22) ROYALTY PROVISIONS
 Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No
 If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.
- 23) Required Copies (See reverse side.)
- 24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: Elizabeth F. Snyder
 My Commission Expires June 12, 1990

Signed: Denzil L. Prather
 Its: Designated Agent

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-073-1547 Date November 19 1982

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. 10) 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.)

Permit expires July 19, 1983 unless drilling is commenced prior to that date and prosecuted with due diligence.

| | | | | |
|---------------|-----------|------------|--------------|----------|
| Bond: Blanket | Agent: ER | Plat: M.J. | Casing: M.J. | Fee: 190 |
|---------------|-----------|------------|--------------|----------|

Administrator, Office of Oil and Gas

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
 "Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
- 15) Work that will be attempted—A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
 - (1) A brief description of the tract of land including the district and county wherein the tract is located;
 - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
 - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
 - (4) A brief description of the royalty provisions of each such lease or contract.
- 22) Code 22-4-11(d) and 22-4-11(e).
- 23) Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.
- 24) **The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.**

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. 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: _____, 19____

By _____

Its _____

P R E N C O

STATE ROUTE 14 - P.O. BOX 91
MINERAL WELLS, WEST VIRGINIA 26150

PHONE
304-489-2221

PHONE
304-489-2222

November 18, 1982

| <u>Royalty owners: G. S. M. Powell Hrs. - P-9</u> | | <u>1/8th Royalty</u> |
|---|--|----------------------|
| Marguerite Powell | Belmont, WV | 6/18 |
| Robert Streitenberger | Rt.2 - Box 248X Williston, FL | 6/18 |
| Mary Lou Hague | 1011 51st St. Vienna, WV | 1/18 |
| Daisy Deem | 408-B 58th St. Vienna, WV | 1/18 |
| James E. Deem | 614 39th St. Vienna, WV | 1/18 |
| B. C. Deem, Jr. | 2801 Morningside Ave. Parkersburg, WV | 1/18 |
| Margaret R. Rolfer | 12302 Gamma St. Garden Grove, CA | 1/18 |
| Anna C. Farnsworth | 3102 25th St. Parkersburg, WV | 1/18 |

PRENCO



Denzil L. Prather
Designated Agent

CONFIDENTIAL INFORMATION - NOT TO BE PUBLISHED.



#1057

IV-9
(Rev 8-81)

DATE October 28, 1982

WELL NO. P-9

State of West Virginia

API NO. 47 - 073 - 1547

Department of Mines

Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME PRENCO

DESIGNATED AGENT Denzil L. Prather

Address P.O. Box 91, Mineral Wells, WV 26150

Address P.O. Box 91, Mineral Wells, WV

Telephone 304/489-2221

Telephone 304/489-2221

LANDOWNER H. L. Sigler, Jr.

SOIL CONS. DISTRICT Upper Ohio

Revegetation to be carried out by Darrell Null

(Agent)

This plan has been reviewed by Upper Ohio SCD. All corrections and additions become a part of this plan:

11/8/82
(Date)

Denzil L. Prather
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Drainage Ditch (A)

Structure Diversion Ditch (1)

Spacing _____

Material Earth

Page Ref. Manual P. 2-12

Page Ref. Manual 2-12

Structure Rip-Rap (B)

Structure _____ (2)

Spacing Logs

Material _____

Page Ref. Manual N/A

Page Ref. Manual _____

Structure Culvert (C)

Structure _____ (3)

Spacing 24"

Material _____

Page Ref. Manual 2-7

Page Ref. Manual _____

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

Treatment Area II

Lime _____ Tons/acre
or correct to pH 6.5

Lime _____ Tons/acre
or correct to pH 6.5

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

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

Mulch Hay 1.5 Tons/acre

Mulch Hay 1.5 Tons/acre

Seed* Ky. 31 Fescue 30 lbs/acre

Seed* Ky. 31 Fescue 30 lbs/acre

Perennial Ryegrass 30 lbs/acre

Perennial Ryegrass 30 lbs/acre

Alsike Clover 10 lbs/acre

Alsike Clover 10 lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

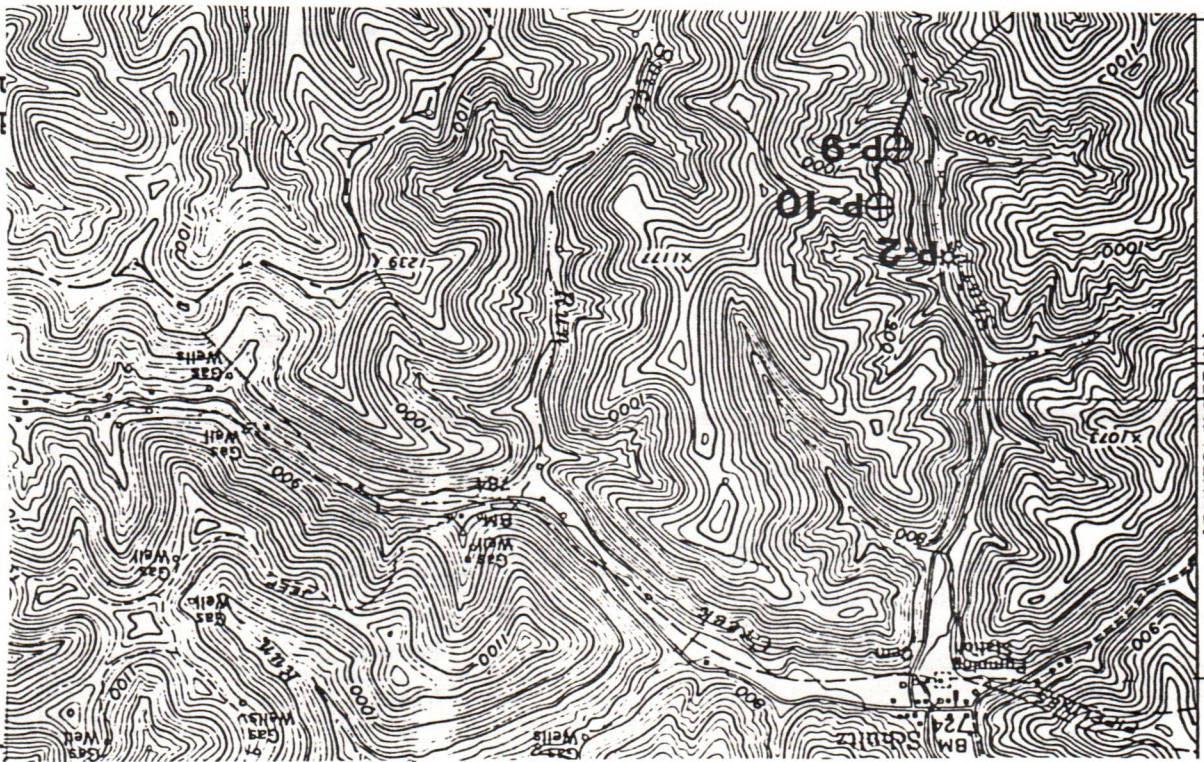
PLAN PREPARED BY David W. Batten

ADDRESS P. O. Box 91

Mineral Wells, WV 26150

NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary.

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Schultz 75



LEGEND

Well site ⊕

Access Road ———

LEGEND

Property boundary ———

Road = = =

Existing fence — x — x —

Planned fence — / — / —

Stream ~ ~ ~

Open ditch — ···· —>

Diversion // // //

Spring ○ ←

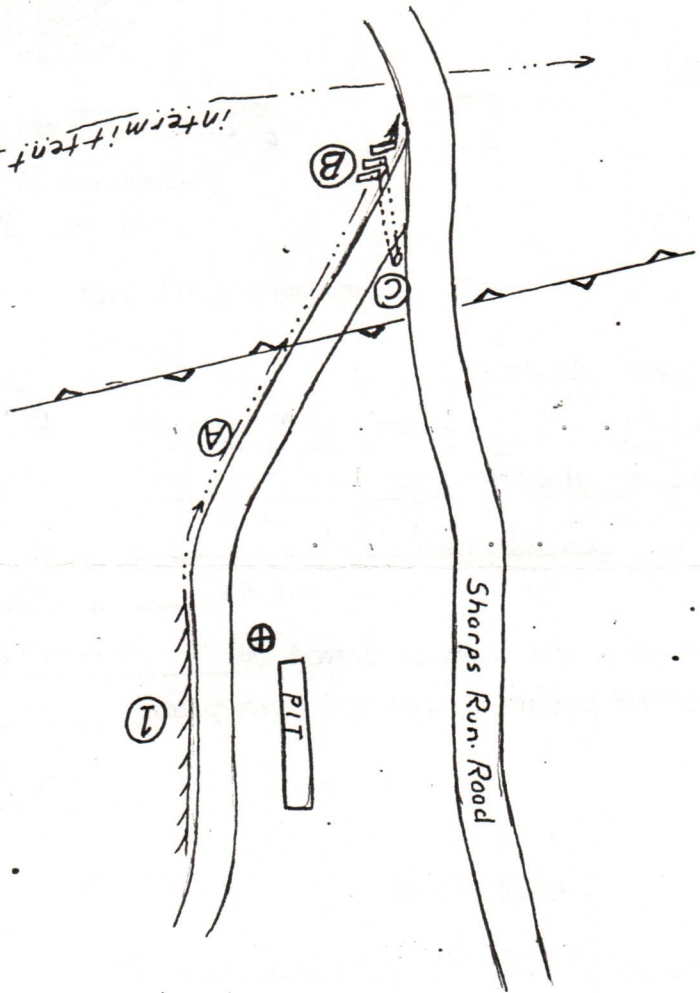
Wet spot ⊕

Building ■

Drain pipe — ○ — ○ —

Waterway — ≡ — ≡ —

The location road will have a coarse crushed limestone base. Right-of-way has been received for the road. Trees will be cut and removed. These plans have been approved by the landowner.



PRENCO

STATE ROUTE 14 - P.O. BOX 91
MINERAL WELLS, WEST VIRGINIA 26150

PHONE
304-489-2221

PHONE
304-489-2222

November 15, 1982

Jefferson District
Pleasants Co., W. Va.
G. S. M. Powell Heirs
145 acres
Recorded Feb. 7, 1968
Lease Book 121, page 405
1/8th Royalty to be paid

AFFIDAVIT

I, Denzil L. Prater (the above designated owner or operator, or authorized representative thereof) hereby verifies that the owner or owners of the mineral estate upon which this proposed well is to be located will receive minimum one-eighth (1/8) royalty payments for any gas or oil extracted therefrom. Copies of the Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above-named coal operator, co-owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Signed: Denzil L. Prater
(~~Owner~~, Operator, or Authorized Representative)

Notary : Elizabeth F. Snyder (Signed)

My commission expires June 12, 1990.

RECEIVED
NOV 16 1982
OIL & GAS DIVISION
DEPT. OF MINES

HALLIBURTON SERVICES SUMMARY

HALLIBURTON DIVISION
LOCATION

Pittsburgh
Reno

BILLED ON TICKET NO. 569400

WELL DATA

FIELD Schultz SEC. _____ TWP. _____ RNG. _____ COUNTY Pleasants STATE W Va

| FORMATION NAME | TYPE | NEW USED | WEIGHT | SIZE | FROM | TO | MAXIMUM PSI ALLOWABLE |
|--|---------|--------------|--------------|--------------|-----------|-------------|-----------------------|
| FORMATION THICKNESS | FROM TO | CASING | <u>N 20#</u> | <u>8 5/8</u> | <u>6L</u> | <u>1040</u> | <u>500</u> |
| INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____ | | LINER | | | | | |
| PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____ | | TUBING | | | | | |
| COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____ | | OPEN HOLE | | | | | SHOTS/FT. |
| PACKER TYPE _____ SET AT _____ | | PERFORATIONS | | | | | |
| BOTTOM HOLE TEMP. _____ PRESSURE _____ | | PERFORATIONS | | | | | |
| MISC. DATA <u>10"</u> TOTAL DEPTH <u>1060</u> | | PERFORATIONS | | | | | |

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY. | MAKE |
|-------------------------|----------|--------------|
| FLOAT COLLAR | | |
| FLOAT SHOE | | |
| GUIDE SHOE | <u>1</u> | <u>Halco</u> |
| CENTRALIZERS | | |
| BOTTOM PLUG | | |
| TOP PLUG <u>5 Wiper</u> | <u>1</u> | <u>"</u> |
| HEAD <u>MANIFOLD</u> | <u>1</u> | <u>"</u> |
| PACKER | | |
| OTHER | | |

JOB DATA

| CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|----------------------|----------------------|----------------------|----------------------|
| DATE <u>12-21-82</u> | DATE <u>12-21-82</u> | DATE <u>12-21-82</u> | DATE <u>12-22-82</u> |
| TIME <u>1800</u> | TIME <u>2230</u> | TIME <u>2330</u> | TIME <u>0115</u> |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|---------------------|--------------------|-------------|
| <u>R. MERCER</u> | <u>29160 OPER</u> | <u>RENO</u> |
| <u>A. SIMMONS</u> | <u>3976 HT-150</u> | <u>"</u> |
| <u>S. SCHOFIELD</u> | <u>9140 RM</u> | <u>"</u> |

MATERIALS

TREAT. FLUID _____ LB/GAL. API _____

DISPL. FLUID _____ DENSITY _____ LB/GAL. API _____

PROP. TYPE _____ SIZE _____ LB. _____

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE _____ GAL. _____

ACID TYPE _____ GAL. _____

ACID TYPE _____ GAL. _____

SURFACTANT TYPE _____ GAL. _____ IN _____

NE AGENT TYPE _____ GAL. _____ IN _____

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____

GELLING AGENT TYPE _____ GAL.-LB. _____ IN _____

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN _____

BREAKER TYPE _____ GAL.-LB. _____ IN _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER Ran 5 SKS Halco Gel Ahead

DEPARTMENT CEMENT

DESCRIPTION OF JOB Cement 8 5/8" Surface Casing

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE WESigner

HALLIBURTON OPERATOR Ran Mercer

COPIES REQUESTED _____

CEMENT DATA

| STAGE | NUMBER OF SACKS | TYPE | API CLASS | BRAND | BULK SACKED | ADDITIVES | YIELD CU. FT./SK. | MIXED LBS./GAL. |
|----------|-----------------|---------------|-----------|--------------|-------------|-------------------------|-------------------|-----------------|
| <u>1</u> | <u>165</u> | <u>Comp A</u> | <u>A</u> | <u>Halco</u> | <u>B</u> | <u>3% CC 1/4# Flocc</u> | <u>1.18</u> | <u>15.6</u> |

PRESSURES IN PSI

CIRCULATING 250 DISPLACEMENT 100

BREAKDOWN _____ MAXIMUM 500

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____

ORDERED _____ AVAILABLE _____ USED _____

TREATING _____ DISPL. _____ OVERALL _____

FEET 0 REASON _____

SUMMARY

VOLUMES

PRESLUSH: BBL.-GAL. _____ TYPE _____

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL. BBL.-GAL. 67

CEMENT SLURRY: BBL.-GAL. 34.67

TOTAL VOLUME: BBL.-GAL. _____

REMARKS Good Circulation Starts Good Cement

CUSTOMER

HALLIBURTON SERVICES JOB SUMMARY

HALLIBURTON
DIVISION
HALLIBURTON
LOCATION

PITTSBURGH, PA.
RENO, OHIO

BILLED ON
TICKET NO. 569496

WELL DATA

WELL: SCHULTZ SEC. _____ TWP. _____ RNG. _____ COUNTY PLEASANTS STATE W. Va.

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 3255

JOB DATA

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY. | MAKE |
|--|--------------|--------------|
| FLOAT COLLAR | | |
| FLOAT SHOE <u>4 1/2</u> | <u>1 EA.</u> | <u>HOWCO</u> |
| GUIDE SHOE | | |
| CENTRALIZERS <u>4 1/2</u> | <u>3 EA.</u> | <u>"</u> |
| BOTTOM PLUG | | |
| TOP PLUG <u>4 1/2 LP. WHITE Baffle</u> | <u>1 EA.</u> | <u>"</u> |
| HEAD <u>4 1/2 RC MANUFACTURED</u> | <u>1 EA.</u> | <u>"</u> |
| PACKER | | |
| OTHER | | |

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API _____

DISPL. FLUID _____ DENSITY _____ LB/GAL. API _____

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE _____ GAL. _____ % _____

SURFACTANT TYPE _____ GAL. _____ IN _____

NE AGENT TYPE _____ GAL. _____ IN _____

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____

GELLING AGENT TYPE _____ GAL.-LB. _____ IN _____

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN _____

BREAKER TYPE _____ GAL.-LB. _____ IN _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERF PAC BALLS TYPE _____ QTY. _____

OTHER 5 SKS HOWCO GEL AHEAD

OTHER 500 LB FLOCHER-P

| CALLER OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|--------------------|--------------------|--------------------|--------------------|
| DATE <u>2-9-83</u> | DATE <u>2-9-83</u> | DATE <u>2-9-83</u> | DATE <u>2-9-83</u> |
| TIME <u>13:00</u> | TIME <u>13:00</u> | TIME <u>20:55</u> | TIME <u>23:37</u> |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|---------------------|------------------------|-------------|
| <u>M. BEARDSLEY</u> | <u>31277 OPER</u> | <u>RENO</u> |
| <u>C. BARB</u> | <u>3976 HT-150</u> | <u>"</u> |
| <u>S. SCHOFIELD</u> | <u>50886 Bulk Tank</u> | <u>"</u> |

DEPARTMENT CEMENT

DESCRIPTION OF JOB CEMENT 4 1/2 LONGSTRIKE

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X Michael J. Braddy

HALLIBURTON OPERATOR Michael J. Braddy COPIES REQUESTED _____

CEMENT DATA

| STAGE | NUMBER OF SACKS | TYPE | API CLASS | BRAND | BULK SACKED | ADDITIVES | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|----------|-----------------|-----------------|-----------|--------------|-------------|----------------------------------|------------------|-----------------|
| <u>1</u> | <u>105</u> | <u>50/50 R2</u> | <u>A</u> | <u>HOWCO</u> | <u>B</u> | <u>10% SALT; 12.5% GILSONITE</u> | <u>1.54</u> | <u>13.47</u> |

PRESSURES IN PSI

CIRCULATING 300 DISPLACEMENT 500

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT 1500 MIN. 1500 15-MIN. _____

ORDERED _____ AVAILABLE _____ USED _____

TREATING _____ DISPL. _____ OVERALL _____

FEET _____ REASON _____

SUMMARY

VOLUMES _____ TYPE GEL

PRESLUSH: BBL.-GAL. 25

LOAD & BKDN: BBL.-GAL. 5 FLOCHER-P PAD: BBL. 160

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 57.25

CEMENT SLURRY: BBL.-GAL. 28.80

TOTAL VOLUME: BBL.-GAL. _____

REMARKS

SEE JOB LOG

CUSTOMER

CUSTOMER: P-9-83
LEASE: P-9-83
WELL NO.: P-9-83
JOB TYPE: CEMENT 4 1/2 LONGSTRIKE



IV-35
(Rev 8-81)

RECEIVED

State of West Virginia
MAY 9 - 1984
Department of Mines
OIL & GAS DIVISION Oil and Gas Division
DEPT. OF MINES

Date May 7, 1984
Operator's _____
Well No. P-9
Farm G S M Powell Heirs
API No. 47 - 073 - 1547

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas XX / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production XX / Underground Storage ___ / Deep ___ / Shallow XX /)

LOCATION: Elevation: 960' Watershed Sharps Run
District: Jefferson County Pleasants Quadrangle Schultz 7 1/2'

COMPANY PRENCO
ADDRESS Box 91, Mineralwells WV 26150
DESIGNATED AGENT Denzil L. Prather
ADDRESS Same
SURFACE OWNER Harry L. Sigler, Jr.
ADDRESS Schultz WV
MINERAL RIGHTS OWNER G S M Powell Heirs
ADDRESS Belmont WV
OIL AND GAS INSPECTOR FOR THIS WORK _____
R. Lowther ADDRESS Middlebourne WV
PERMIT ISSUED Nov. 16, 1982
DRILLING COMMENCED Dec. 2, 1982
DRILLING COMPLETED Feb. 9, 1983

| Casing & Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. |
|------------------------|------------------|--------------|------------------------|
| Size 20-16 Cond. | | | |
| 10" | 300' | 0' | |
| 9 5/8 | | | |
| 8 5/8 | 1034' | 1034' | to surf. |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | | 3232' | to 2000' |
| 3 | | | |
| 2 | | | |
| Liners used | | | |

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON _____

GEOLOGICAL TARGET FORMATION Devonian shale Depth 5000 feet
Depth of completed well 3222 feet Rotary ___ / Cable Tools XX
Water strata depth: Fresh 80 feet; Salt ___ feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Speechley Pay zone depth 3100 feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 10 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure 25 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure _____ psig (surface measurement) after _____ hours shut in

(Continue on reverse side)

PLEAS. 1547

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

5/2/83: perforated 3062-3132 with 71 holes; fractured with 300 gal 15% HCl acid and 540 MSCF N₂.

DEPT. OF MINES
OIL & GAS DIVISION

WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS Including indication of all fresh and salt water, coal, oil and gas |
|------------------------------|-------|--------------|----------|-------------|--|
| soil | | | 0 | 3 | |
| red and gray shales, sand | | | 3 | 913 | |
| gray shale | | | 913 | 999 | |
| sand | | | 999 | 1075 | gas & oil show: 1028 |
| gray shale | | | 1075 | 1165 | |
| sand | | | 1165 | 1175 | |
| gray shale | | | 1175 | 1188 | |
| sand | | | 1188 | 1218 | |
| gray shale | | | 1218 | 1241 | |
| sand | | | 1241 | 1252 | |
| gray shale | | | 1252 | 1270 | |
| sand | | | 1270 | 1292 | |
| gray shale | | | 1292 | 1442 | |
| sand | | | 1442 | 1453 | |
| gray shale | | | 1453 | 1474 | |
| black shale | | | 1474 | 1482 | |
| sand | | | 1482 | 1524 | |
| gray shale | | | 1524 | 1530 | |
| sand | | | 1530 | 1580 | |
| limestone (Greenbrier) | | | 1580 | 1635 | |
| sand | | | 1635 | 1697 | |
| gray shale, siltstone | | | 1697 | 1710 | |
| sand | | | 1710 | 1730 | |
| gray shale, siltstone | | | 1730 | 1735 | |
| sand (Squaw) | | | 1735 | 1750 | |
| shaly siltstone | | | 1750 | 2128 | |
| shale, dark gray, silty | | | 2128 | 2138 | Berea @ 2138 |
| shaly siltstone, fine-coarse | | | 2138 | 3255 | TD |

(Attach separate sheets as necessary)

PRENCO

Well Operator

By: David W. Butler

Geologist

Date: May 7, 1984

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

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

RECEIVED

DEC 5 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 073-1547

Oil or Gas Well _____
(KIND)

Company preenco
 Address mineral wells
 Farm H. L. Sigler Jr
P-9
 Well No. _____
 District Jefferson County pleasants
 Drilling commenced _____
 Drilling completed _____ Total depth 401
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

| CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
|-------------------|------------------|--------------|----------------|
| Size | | | |
| 16 | | | Kind of Packer |
| 13 | | | |
| 10 | 345 | | Size of |
| 8 1/4 | | | |
| 6% | | | Depth set |
| 5 3/16 | | | |
| 3 | | | Perf. top |
| 2 | | | Perf. bottom |
| Liners Used | | | Perf. top |
| | | | Perf. bottom |

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names _____
Harry L Sigler contractor
 Remarks: _____

12-13-82
DATE

R.A. Lowther
DISTRICT WELL INSPECTOR

Form 26
2/16/82

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

| Liner | | Location | Amount | Packer | Location | | |
|-----------------------------|-----------|----------|-----------------------|--------|-------------------|------|------|
| PLUGS USED AND DEPTH PLACED | | | BRIDGES | | CASING AND TUBING | | |
| CEMENT-THICKNESS | WOOD-SIZE | LEAD | CONSTRUCTION-LOCATION | | RECOVERED | SIZE | LOST |
| | | | | | | | |
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Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.
DATE _____
DISTRICT WELL INSPECTOR _____

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

RECEIVED

FEB 18 1983

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 073-1547

Oil or Gas Well _____
(KIND)

| Company <u>preneo</u> | CASING AND TUBING | USED IN DRILLING | LEFT IN WELL | PACKERS |
|--|---|-------------------------|-------------------------|-------------------------|
| | Address <u>mineral wells co. va</u> | Size | | |
| Farm <u>Harry L Sigler Jr</u> | 16 | | | Kind of Packer _____ |
| Well No. <u>P-9</u> | 13 | | | |
| District <u>Jefferson</u> County <u>pleasant</u> | 10 | | | Size of _____ |
| Drilling commenced _____ | 8 1/4 | | | |
| Drilling completed <u>2-8-83</u> Total depth <u>3255</u> | 6 3/8 | | | Depth set _____ |
| Date shot _____ Depth of shot _____ | 5 3/16 <u>4 1/2</u> | <u>3255</u> | <u>3255</u> | |
| Initial open flow _____ /10ths Water in _____ Inch | 3 | | | Perf. top _____ |
| Open flow after tubing _____ /10ths Merc. in _____ Inch | 2 | | | Perf. bottom _____ |
| Volume _____ Cu. Ft. | Liners Used | | | Perf. top _____ |
| Rock pressure _____ lbs. _____ hrs. | | | | Perf. bottom _____ |
| Oil _____ bbls., 1st 24 hrs. | CASING CEMENTED <u>4 1/2</u> SIZE <u>3255</u> No. FT <u>2-9-83</u> Date | | | |
| Fresh water _____ feet _____ feet | NAME OF SERVICE COMPANY <u>Halliburton</u> | | | |
| Salt water _____ feet _____ feet | COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES | | | |
| | _____ FEET _____ INCHES | _____ FEET _____ INCHES | _____ FEET _____ INCHES | _____ FEET _____ INCHES |

Drillers' Names _____

Remarks: _____

2-14-83
DATE

R. A. Louther
DISTRICT WELL INSPECTOR

Form 26
2/16/82

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

| Liner | | Location | | Amount | Packer | Location | | |
|-----------------------------|-----------|----------|-----------------------|--------|-----------|-------------------|------|--|
| PLUGS USED AND DEPTH PLACED | | | BRIDGES | | | CASING AND TUBING | | |
| CEMENT-THICKNESS | WOOD-SIZE | LEAD | CONSTRUCTION-LOCATION | | RECOVERED | SIZE | LOST | |
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Drillers' Names _____

Remarks:

_____ I hereby certify I visited the above well on this date.

DATE

DISTRICT WELL INSPECTOR



State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

COMPANY preuco

PERMIT NO 47-073-1547

FARM & WELL NO Sigler P-9

DIST. & COUNTY Jefferson pleasant

| RULE | DESCRIPTION | IN COMPLIANCE | |
|-------|---|---------------|----|
| | | YES | NO |
| 23.06 | Notification Prior to Starting Work | | |
| 25.04 | Prepared before Drilling to Prevent Waste | | |
| 25.03 | High-Pressure Drilling | | |
| 16.01 | Required Permits at Wellsite | | |
| 15.03 | Adequate Fresh Water Casing | | |
| 15.02 | Adequate Coal Casing | | |
| 15.01 | Adequate Production Casing | | |
| 15.04 | Adequate Cement Strenght | | |
| 15.05 | Cement Type | | |
| 23.02 | Maintained Access Roads | | |
| 25.01 | Necessary Equipment to Prevent Waste | | |
| 23.04 | Reclaimed Drilling Pits | | |
| 23.05 | No Surface or Underground Pollution | | |
| 23.07 | Requirements for Production & Gathering Pipelines | | |
| 16.01 | Well Records on Site | | |
| 16.02 | Well Records Filed | | |
| 7.05 | Identification Markings | | |

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED R.A. Lowther

DATE Jan 24, 1986

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

Administrator-Oil & Gas Division

DATE



RECEIVED
JUN 1 - 1984

OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
May 16, 1984

COMPANY PRENCO

PERMIT NO 073-1547

Box 91

FARM & WELL NO G S M Powell, P-9

Mineralwells, West Virginia 26150

DIST. & COUNTY Jefferson/Pleasants

| RULE | DESCRIPTION | IN COMPLIANCE | |
|-------|---|-------------------------------------|--------------------------|
| | | YES | NO |
| 23.06 | Notification Prior to Starting Work | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 25.04 | Prepared before Drilling to Prevent Waste | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 25.03 | High-Pressure Drilling | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 16.01 | Required Permits at Wellsite | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 15.03 | Adequate Fresh Water Casing | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 15.02 | Adequate Coal Casing | <input type="checkbox"/> | <input type="checkbox"/> |
| 15.01 | Adequate Production Casing | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 15.04 | Adequate Cement Strength | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 15.05 | Cement Type | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 23.02 | Maintained Access Roads | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 25.01 | Necessary Equipment to Prevent Waste | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 23.04 | Reclaimed Drilling Pits | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 23.05 | No Surface or Underground Pollution | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 23.07 | Requirements for Production & Gathering Pipelines | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 16.01 | Well Records on Site | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 16.02 | Well Records Filed | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7.05 | Identification Markings | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED R. A. Lowther

DATE May 30 1984

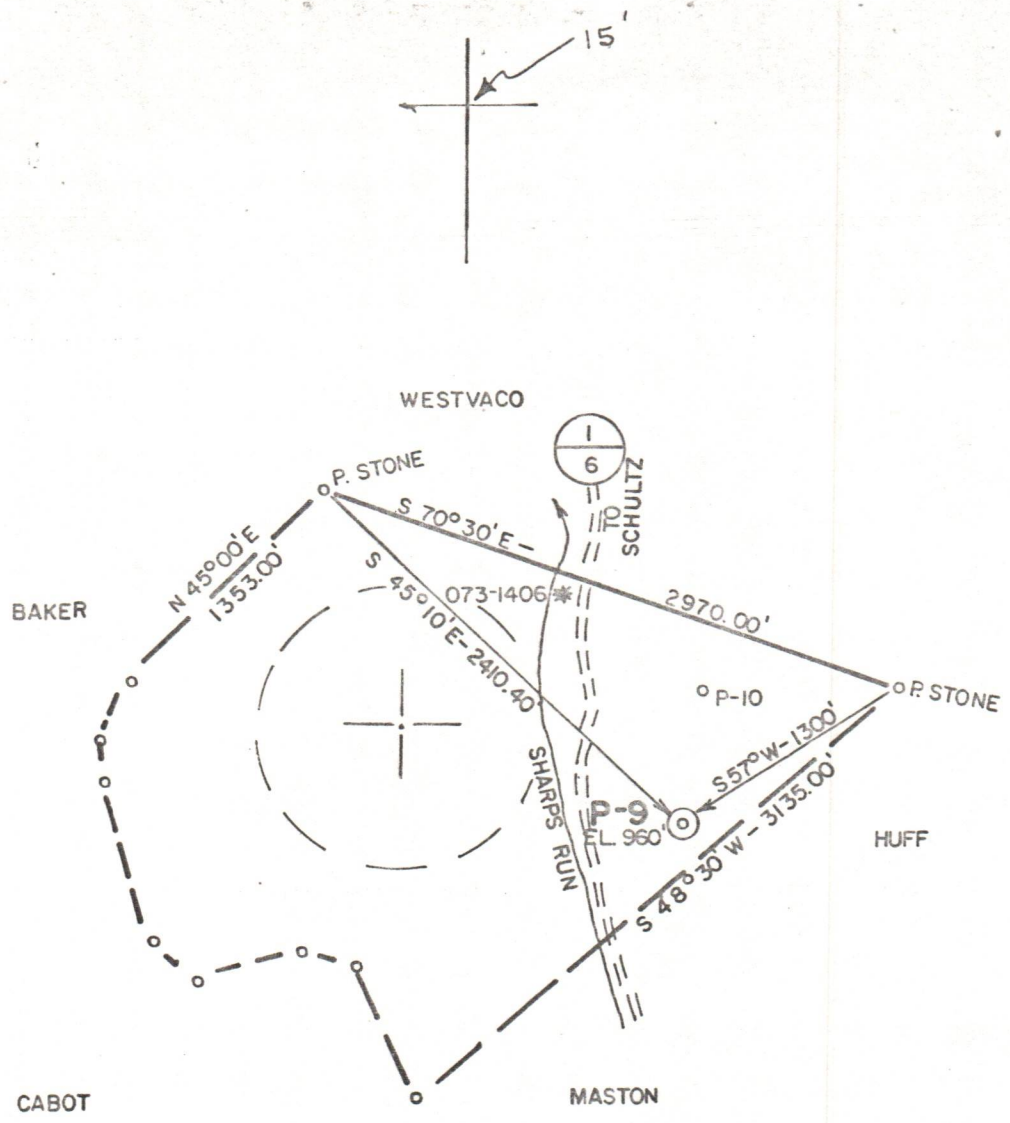
Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. L. ...
Administrator-Oil & Gas Division

June 6, 1984

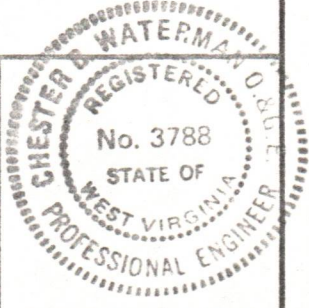
DATE

NORTH



FILE NO. 82-427
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1"/200'
 PROVEN SOURCE OF ELEVATION WELL 1406 (770')

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) *Chester D. Waterman*
 R.P.E. 3788 L.L.S. _____



PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE 11/9, 19 82
 OPERATOR'S WELL NO. P-9
 API WELL NO. _____
47 - 073 - 1547
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 960' WATER SHED SHARPS RUN
 DISTRICT JEFFERSON COUNTY PLEASANTS
 QUADRANGLE SCHULTZ 7.8'
 SURFACE OWNER HARRY L. SIGLER, JR. ACREAGE 145
 OIL & GAS ROYALTY OWNER G. S. M. POWELL HEIRS LEASE ACREAGE 145
 LEASE NO. 52
 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 DEVONIAN SHALE ESTIMATED DEPTH 5000'
 WELL OPERATOR FRENCO DESIGNATED AGENT DENZIL PRATHER
 ADDRESS P.O. BOX 81 ADDRESS SAME
MINERAL WELLS, WV 26160