DRILLING CONTRACTOR:



1)	Date:	February 7,	, 19 83
2)	Operato	r's	

Well No.\_ 47 1598 3) API Well No. 073 State County Permit

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

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quirements 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 permit expires

October 9, 1983

unless drilling is commenced prior to the permitted with the diligences.

Permit expires unless drilling is commenced prior to that date and prosecuted with due diligence. Bond: Agent: Plat: Casing Fee Blanker my Administrator, Office of Oil and Gas

If

### 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 then 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).

Date:

- 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.

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Adad to the mine man The undersione	d has no objection	to the work propo	of the coal under this well location has execute of the well location, the well location has been sed to be done at this location, provided, the well a Code and the governing regulations.

Its

#### PRENCO

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

PHONE 304-489-2221 PHONE 304-489-2222

February 7, 1983

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. Prather (the above desginated 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: Densie & Vacilles

(Owner, Operator, or Authorized Representative

My commission expires June 12, 1990

RECEIVED

FEB 8 - 1983

OIL AND GAS DIVISION WY DEPARTMENT OF MINES

## HALLIBURTON SERVICES JOB SUMMARY REUD ONTO WELL DATA WEIGHT CASING LINES JOB DATA TOOLS AND ACCESSORIES DATE -16-83 DATE -16-83 DATE 2-16-83 DATE -16-83 TYPE AND SIZE TIME 0 3: 36 TIME 06:00 TIME (7) 25 TIME (7) 4 PERSONNEL AND SERVICE UNITS BEANDSLEY 31077 REUD OPER 47-150 50158 BULK TAK MATERIALS

FLOAT SHOE **CEMENT DATA** PRESSURES IN PSI SUMMARY VOLUMES HYDRAULIC HORSEPOWER CICCOUTTON AVERAGE RATES IN BPM CEMENT LEFT IN PIPE

# JOB SUMMARY HALLIBURTON LOCATION LOCATION

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HALLIBURTON SERVICES
OB SUMMARY

DIVISION PHShurgh

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IV-35 (Rev 8-81)

## State of Mest Wirginia Bepartment of Mines

Gil und Gas Bivision

Date		I	May	7, 198	34
Opera	ato	r'	s		
Well	No			P-11	
Farm	G	S	M	Powell	Heirs
API N	ю.	4	7 .	073	1598

WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE MAY 9

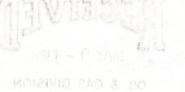
OII		DAG	DIVISION
UIL	64	GAS	DIAIGIAIA

LOCATION: Elevation: 1020; Watershed				
District: Jefferson County Pl	easants	Quadrangl	e Schul	tz 7½'
COMPANY PRENCO				
ADDRESS Box 91, Mineralwells WV 26150	Casing	Used in	Left	Cement fill up
DESIGNATED AGENT Denzil L. Prather	Tubing	Drilling	in Well	
ADDRESSSame	Size			
SURFACE OWNER Harry L. Sigler, Jr.	20-16 Cond.			
ADDRESS Schultz WV	13-10"			
MINERAL RIGHTS OWNER G S M Powell Heirs	9 5/8	464'	464'	to surf
ADDRESS Belmont WV	8 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK	7	1251'	1251'	to 9 5/8
R. Lowther ADDRESS Middlebourne WV	5 1/2			100 / 5/
PERMIT ISSUED Feb. 9, 1983	4 1/2		3928'	to 7"
	7 1/2	1		
DRILLING COMMENCED Feb. 14, 1983	3			
ORILLING COMPLETED Feb. 19, 1983	2			
ORILLING COMPLETED Feb. 19, 1983  OF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	2			
DRILLING COMPLETED Feb. 19, 1983  IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	2 Liners used	Dept	h 5000	<u> </u>
DRILLING COMPLETED Feb. 19, 1983  OF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON DEVONIAN SHALE	2 Liners used			feet
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Water strata depth: Fresh 70 feet;	Liners used  Rotary XX Salt	_/ Cable	Tools_	feet
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DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

5-9-83: Perforated, 3602-3702, 51 shots (1 shot per 2 feet).

5-10-83: Fractured with 300 gal 15% HCl and 540 MSCF  $N_2$ .



#### 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 red & gray shale, sand gray shale sand siltstone, gray shale sand gray shale sand gray shale, siltstone sand gray shale sand gray shale sand gray shale sand gray shale sand dray shale, siltstone sand limestone, gray shale sand limestone (Greenbrier) sand (Big Injun) gray shale sand, shaly gray shale sand, shaly sand (Squaw) shaly siltstone silty shale shaly siltstone, fine- coarse	0 978 1057 1158 1224 1289 1318 1385 13414 1440 1493 1500 1525 1642 1787 1787 1798 1808 2178 2189	5 978 1057 1158 1226 1274 1289 13185 1389 14490 1525 15482 1760 1778 1798 1808 2178 4000	Berea @ 2189 TD

(Attach separate sheets as necessary)

PRENCO	
Well Operator	
By: David W. Batter	
Date: May 7, 1984 Geologist	
Date: 1101	

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 and, encountered in the drilling of a well."

#### STATE OF WEST VIRGINIA

DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

## RECEIVED

FEB 2 3 1983

OIL AND GAS DIVISION WY DEPARTMENT OF MINES

## INSPECTOR'S WELL REPORT

Permit No. <u>173 - 1598</u>			Oil or	Gas Well
Company Prenco	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address Meneral wells w Va	Size			The second secon
Farm Hich Sigles In	16			Kind of Packer
Well No. P-//	13	474	474	Size of
District Sefflison County Allasan	81/4	10/		
Drilling commenced 2-	65%	1260		Depth set
Drilling completedTotal depth 2005	3			Perf. top
Date shotDepth of shot	2			Perf. bottom
Initial open flow/10ths Water inInch	Liners Used			Perf. top
Open flow after tubing/10ths Merc. inInch				Perf. bottom
VolumeCu. Ft.	CASING CEME	NTED 10	_size 474	No. FT 2-15- Bate
Rock pressurelbs,hrs.	NAME OF SER	RVICE COMPA	MY Hall	liberton
Oilbbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEETINCHES
Fresh waterfeetfeet	FEET_	INCH	IES	FEETINCHES
Salt waterfeetfeet				FEETINCHES
Orillers' NamesClint Hule Contracto		4 7		
	0			

2-17-83

P. H. Levelle INSPECTOR

#### STATE OF WEST VIRGINIA

### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

### INSPECTOR'S PLUGGING REPORT

OMPANY			ADDRESS				
ARM		COUNTY					
illing Material Used							
iner Location		Amount	Packer	Location			
PLUGS USED AND DEPTH PLACED			BRIDGES	CASIN	G AND TU	BING	
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST	
rillers' Names	1		· · · · · · · · · · · · · · · · · · ·				
emarks:			<u> </u>			<del></del>	

DISTRICT WELL INSPECTOR



## State of West Virginia

## Department of Mines Gil and Gas Division Charleston 25305

FINAL INSPECTION REPORT INSPECTORS COMPLIANCE REPORT

COMPANY	prluco	PERMIT NO 47-073-1598
		FARM & WELL NO Sigles P-11
		DIST. & COUNTY Jefferson please
		IN COMPLIANCE
RULE	DESCRIPTION	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 & Gather	ring 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:
		17/1/1/10
		SIGNED N. H. Fowler
		1 24 1801
		DATE Jan 24, 1956
	ll record was received and reclamation	
	apter 22, Article 4, Section 2, the ab	ove well will remain under bond
coverage	e for the life of the well.	
		Aladada bara bara 041 C. C Di. d. d.
		Administrator-Oil & Gas Division
		DATE





OIL & GAS DIVISION
DEPT. OF MINES

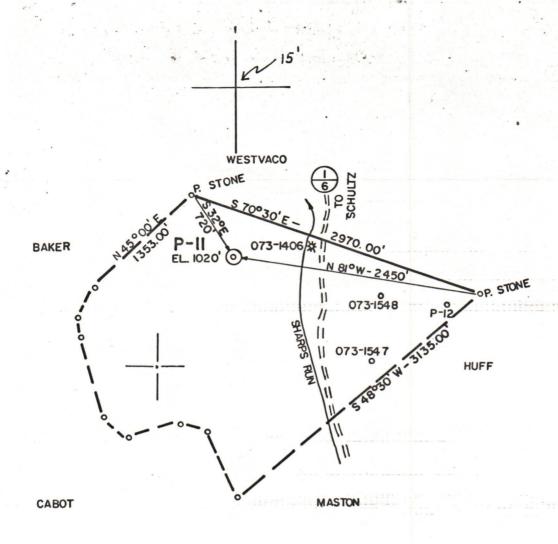
## State of West Birginia Department of Mines Gil and Gas Division

Charleston 25305

FINAL INSPECTION REPORT INSPECTORS COMPLIANCE REPORT May 16, 1984

may 10, 1904				
COMPANY PRENCO PERMIT NO 073-1598				
Box 91 FARM & WELL NO G S M Powell, P-11				
Mineralwells, West Virginia 26150 DIST. & COUNTY Jefferson/Pleasan				
IN COMPLIANCE				
RULE DESCRIPTION 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 Strength				
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 RECEASED:				
SIGNED R. H. Foulthle				
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.				
11110				
Administrator-Oil & Gas Division				
June 6, 1984				

DATE



83-56 FILE NO .. DRAWING NO. 1"=1000 SCALE MINIMUM DEGREE OF ACCURACY. WELL 1406 PROVEN SOURCE ELEVATION (770')

I THE UNDERSIGNED, HEREBY CERTIFY THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGU-LATIONS ISSUED AND PRESCRIBED BY THE DEPART-

MENT OF MINES (SIGNED) Coler Wal 3788 R.P.E

No. 3788 SSIONAL EN PLACE SEAL HERE

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



19 83 OPERATOR'S WELL NO. API WELL NO.

PRATHER

073 COUNTY

PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS \_GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL WELL TYPE: OIL \_

(IF "GAS,") PRODUCTION X STORAGE ELEVATION 1020 WATER SHEE

SHARPS RUN

SAME

WATER SHED LOCATION: ELEVATION **JEFFERSON** PLEASANTS DISTRICT COUNTY

SCHULTZ QUADRANGLE HARRY L. SIGLER.

ACREAGE 145

L.L.S.

SURFACE OWNER POWELL OIL & GAS ROYALTY OWNER G. LEASE ACREAGE

PROPOSED WORK: DRILL & CONVERT. DRILL DEEPER REDRILL FRACTURE OR STIMULATE\_\_\_PLUG OFF OLD FORMATION\_\_ PERFORATE NEW

\_OTHER PHYSICAL CHANGE IN WELL (SPECIFY) FORMATION.

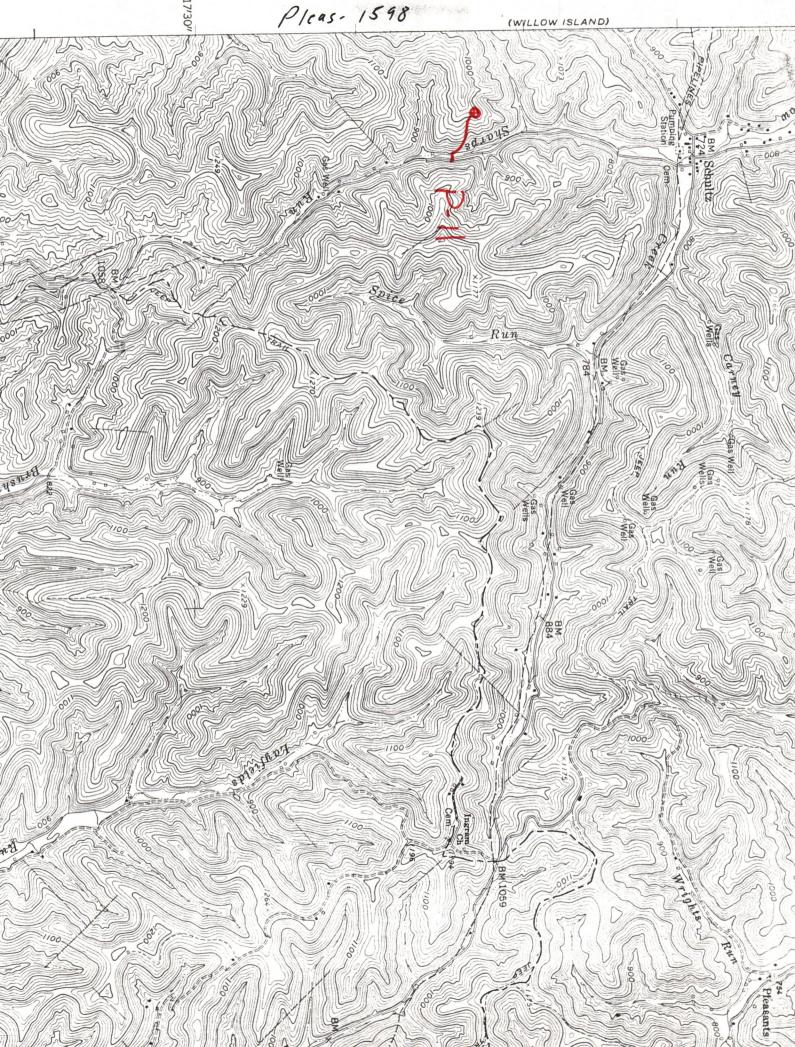
PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG TARGET FORMATION DEVONIAN SHALE \_\_\_ ESTIMATE 5000 ESTIMATED DEPTH PRENCO DESIGNATED AGENT. DENZIL WELL OPERATOR.

P.O. BOX 91 ADDRESS ADDRESS

MINERAL WELLS, WV 26150

FORM IV-6

(8.78)



#1132

IV-9 (Rev 8-81)

NOTES: Please request landowners'

cooperation to protect new seedling for one growing season. Attach separate sheets as

necessary for comments.

Jan. 27, 1983 P-11 WELL NO.

API NO.

47 -

073

## State of West Wirginia

Bepartment of Mines Gil and Gas Bivision

CONSTRUCTION AND	RECLAMATION PLAN	e de la companya de l
COMPANY NAME PRENCO	DESIGNATED AGENT	Denzil L. Prather
Address Box 91, Mineralwells WV 26150	Address	Same
Telephone 489-2221/2222	Telephone	
LANDOWNER H. L. Sigler, Jr.	SOIL CONS. DIS	TRICT Upper Ohio
Revegetation to be carried out by	arrell Null	(Agent)
This plan has been reviewed by	Upper Ohio	SCD. All corrections
and additions become a part of this plan:	2/3/83	
	(Date)	1
	(SCD Agent)	asan
singles, before on average strong sizes. Sein beson	(SC) Agent)	
ACCESS ROAD		CATION
Structure Drainage Ditch	Structure Di	version Ditch (1)
Spacing . FEB 8 - 1983		
있다. 마이트 바다 있다면 그 이 없는 내 보고 있다면 하는 것이 되었다면 그리고 있다면 하는 것이 없는 것이 없다면 하는데		
THE DEPARTMENT OF	VISION Page Ref. Manua MINES	
Structure Culverts (B)	Structure R	ip-rap (2
Spacing 24" diameter	Material L	ogs
Page Ref. Manual 2-7	Page Ref. Manua	1 N/A
Structure Cross-drains (C)	Structure Str	ream crossing
Spacing 80-135 ft	Material 5'	diameter pipe (I
Page Ref. Manual 2-1	Page Ref. Manua	· · · · · · · · · · · · · · · · · · ·
All structures should be inspected regula commercial timber is to be cut and stacked cut and removed from the site before dirt w	and all brush and stork begins.	necessary. All mall timber to be
Treatment Area I	Treatm	ment Area II
LimeTons/acre	Lime	Tons/acre
or correct to pH 6.5	or correct to	pH 6.5
Fertilizer 500 lbs/acre (10-20-20 or equivalent)	Fertilizer (10-20	1bs/acre
fulch Hay 1.5 Tons/acre		-20 or equivalent)
Seed* Ky. 31 Fescue 30 lbs/acre	Seed* Ky. 31 Fe	Tons/acre
Perennial Ryegrass 30bs/acre		Ryegrass 30 lbs/acre
Alsike Clover 10 lbs/acre	Alsike Clo	over 10 lbs/acre
*Inoculate all legumes such as vetch, trefoinoculate with 3X recommended amount.		
PLAN P	REPARED BY David	W. Batten

ADDRESS

PHONE NO.

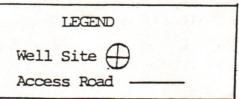
Box 91

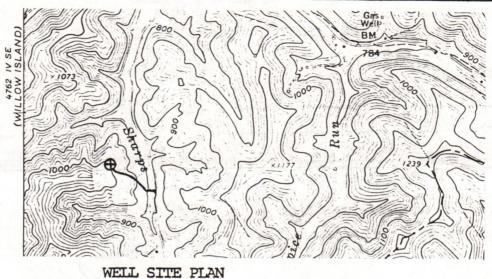
489-2221/2222

Mineralwells, WV

26150

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.
QUADRANGIE Schultz 7½'





Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

