

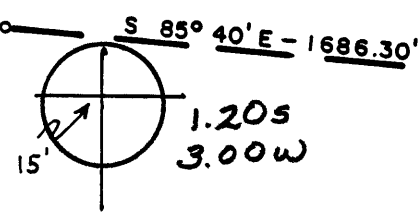
Plot 12182

Plot Card CSD

3660' WEST
LATITUDE 39° 15' 00"

WESTVACO

WESTVACO



LONGITUDE 81° 22' 30"
6350' SOUTH

SWEENEY

NORTH

FORE

P-14
EL. 880'

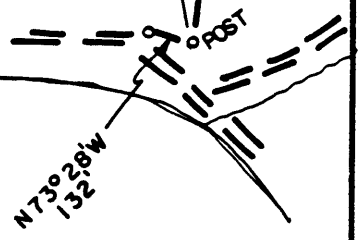
107-703

BEESON RUN

S 17° 32' W - 1776.22'

S 7° W - 2744.94'
ROBINSON

DUDLEY



FILE NO. 82-475
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200'
 PROVEN SOURCE OF ELEVATION WELL # 703 (882')

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 B. Waterman*
 R.P.E. 3788 L.L.S. _____



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE 12/3, 1982
 OPERATOR'S WELL NO. P-14
 API WELL NO. _____
47 - 107 - 1240
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 880 WATER SHED BEESON RUN
 DISTRICT WALKER COUNTY WOOD
 QUADRANGLE KANAWHA 7.5 Elizabeth 15' NC
 SURFACE OWNER MARVIN H. LEACH ACREAGE 139.30
 OIL & GAS ROYALTY OWNER MARVIN H. LEACH LEASE ACREAGE 139.30
 LEASE NO. _____

PROPOSED WORK: DRILL 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 GORDON ESTIMATED DEPTH 2700'
 WELL OPERATOR PRENCO DESIGNATED AGENT DENZIL PRATHER
 ADDRESS P. O. BOX 91 ADDRESS SAME
MINERAL WELLS, WV 26150

DEC 13 1982



Date June 14, 1984
 Operator's Well No. W-3
 Farm Marvin Leach
 API No. 47-107-1240

State of West Virginia
 Department of Mines
 Oil and Gas Division

RECEIVED
 JUN 23 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

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

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

LOCATION: Elevation: 880' Watershed Beeson Run of Stilwell Creek
 District: Walker County Wood Quadrangle Kanawha 7 1/2'

COMPANY PRENCO
 ADDRESS Box 91, Mineralwells WV 26150
 DESIGNATED AGENT Denzil L. Prather
 ADDRESS Same
 SURFACE OWNER Marvin Leach
 ADDRESS 613 Eastlawn Ave, Parkersburg WV
 MINERAL RIGHTS OWNER Marvin Leach et al
 ADDRESS Same
 OIL AND GAS INSPECTOR FOR THIS WORK Glenn Robinson ADDRESS Rt 1, Mineralwells WV
 PERMIT ISSUED Dec. 9, 1982
 DRILLING COMMENCED Dec. 22, 1982
 DRILLING COMPLETED Dec. 28, 1982
 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	306'	306'	118 ft ³
7			
5 1/2			
4 1/2		1623'	385 ft ³
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon Depth 2700 feet
 Depth of completed well 1632 feet Rotary XX / Cable Tools
 Water strata depth: Fresh n/a feet; Salt n/a feet
 Coal seam depths: none Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation "Cow Run" Pay zone depth 1094-1102 ~~1090-1144~~ feet
 Gas: Initial open flow --- Mcf/d Oil: Initial open flow --- Bbl/d
 Final open flow 20 Mcf/d Final open flow 1/2 Bbl/d
 Time of open flow between initial and final tests --- hours

Static rock pressure 250 psig (surface measurement) after 18 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

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

1-13-83: perforated 1094-1102 (16 holes).

1-14-83: fractured with 250 gal HCl acid and 180 MSCF N₂.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
shale, sandy shale			0	307	
shale			307	401	
sandy shale			401	610	
sandstone			610	630	
sandy shale			630	718	
sandstone			718	735	
silty shale, sand			735	1018	
sandstone			1018	1027	
shale			1027	1086	
sandstone <i>Cow Run</i>			1086	1140	
shale			1140	1154	
sandstone			1154	1203	
shale			1203	1232	
sandstone			1232	1263	
sandy-silty shale			1263	1575	
sandstone Salt?			1575	<u>1635</u>	TD

(Attach separate sheets as necessary)

PRENCO

Well Operator

By: David W. Patton

Geologist

Date: June 14, 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."



1) Date: _____, 19____
 2) Operator's Well No. _____
 3) API Well No. 47 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: _____ Watershed: _____
 District: _____ County: _____ Quadrangle: _____
- 6) WELL OPERATOR _____
 Address _____
- 7) OIL & GAS ROYALTY OWNER _____
 Address _____
 Acreage _____
- 8) SURFACE OWNER _____
 Address _____
 Acreage _____
- 9) FIELD SALE (IF MADE) TO: _____
 Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name _____
 Address _____
- 11) DESIGNATED AGENT _____
 Address _____
- 12) COAL OPERATOR _____
 Address _____
- 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Name _____
 Address _____
 Name _____
 Address _____
- 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Name _____
 Address _____
- 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, _____
- 17) Estimated depth of completed well, _____ feet
- 18) Approximate water strata depths: Fresh, _____ feet; salt, _____ feet.
- 19) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No _____

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									
Coal									Sizes
Intermediate									
Production									Depths set
Tubing									
Liners									Perforations:
									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: _____
 My Commission Expires _____

Signed: _____
 Its: _____

OFFICE USE ONLY
 DRILLING PERMIT

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. 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 _____ unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
-------	--------	-------	--------	-----

Administrator, Office of Oil and Gas

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