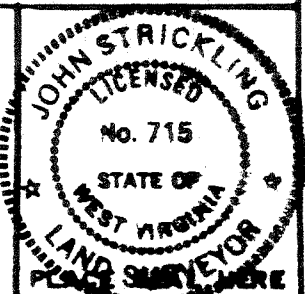


FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION HIGH POINT
 ELEV. 954'

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) John Strickling
 R.P.E. _____ L.L.S. 715



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 (8-78)



DATE 8 JULY, 19 83
 OPERATOR'S WELL NO. 1A
 API WELL NO. 47-017-3246
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1128' WATER SHED MIDDLE ISLAND CREEK
 DISTRICT WEST UNION COUNTY DODDRIDGE
 QUADRANGLE WEST UNION, W.VA. 7 1/2' 415 SE
 SURFACE OWNER OLLIE M. FORD ACREAGE 90 Ac. 85 P.
 OIL & GAS ROYALTY OWNER FARR ENTERPRISES LEASE ACREAGE 90 Ac. 85 P.
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUS OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION GORDON ESTIMATED DEPTH 3000'
 WELL OPERATOR FARR ENTERPRISES DESIGNATED AGENT P. D. FARR
 ADDRESS PO BOX 307 ADDRESS PO BOX 307
WEST UNION, W.VA. 26456 WEST UNION, W.VA. 26456

SEP 12 1983

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

Big Injun	20 holes	35000# sand	1000 bbl. water
Weir	15 "	15000# "	foam

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Blue		XX	0	20	Sur Rock
Red		XX	20	100	Shale
White		XX	100	770	Red Rock
Red		XX	770	820	Sand
White		XX	820	1050	Red Rock
Blue		XX	1050	1115	Sand
----		XX	1115	1490	Shale
		XX	1490	1550	Sand Salt Rock
		XX	1550	1620	Blue Shale
		XX	1620	1685	Salt Sand
		XX	1685	1750	Shale
		XX	1750	1810	Salt Sand
		XX	1810	1980	Shale
		XX	1980	1990	Sand
		XX	1990	2030	Red Shale
Gray		XX	2030	2152	Lime
Black		XX	2152	2235	Big Injun
Black		XX	2235	2410	Shale
Black		XX	2410	2543	Weir
		XX	2543	2595	Shale
Black		XX	2595	2599	Berea
Black		XX	2599	2830	Shale
			2830	2840	Gordon
Gray		XX	2840	3000	Shale

TD3050

(Attach separate sheets as necessary)

FARR ENTERPRISES, INC.
Well Operator

By: P. D. Farr II, President
Date: October 25, 1983

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: August 25, 19 83
 2) Operator's Well No. J-A
 3) API Well No. 47 - 017 - 3246
 State County Permit

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

DEPT. APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow /)
- 5) LOCATION: Elevation: 1128 Watershed: Middle Island Creek
 District: West Union County: Doddridge Quadrangle: West Union 7-5
- 6) WELL OPERATOR Farr Enterprises, Inc. 7) DESIGNATED AGENT P. D. Farr II
 Address P. O. Box 307 Address P. O. Box 307
West Union, WV 26456 West Union, WV. 26456
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Steve Casey Name Clint Hirt Associates
 Address Jane Lew, WV. Address P. O. Box 388
Elkview, WV. 25071
- 10) PROPOSED WELL WORK: Drill / Drill deeper _____ / Redrill _____ / Stimulate _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Gordon
- 12) Estimated depth of completed well, 3000 feet
- 13) Approximate trata depths: Fresh, 60 feet; salt, _____ feet.
- 14) Approximate coal seam depths: None Is coal being mined in the area? Yes _____ / No /

15) 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		Kinds	Sizes
Conductor										
Fresh water										
Coal										
Intermediate										
Production										
Tubing	<u>8 5/8</u>					<u>400</u>	<u>400</u>	<u>Neat</u>		<u>Rule 15.05</u>
Liners										
Casing	<u>4 1/2</u>						<u>3000</u>	<u>353 SKS</u>		<u>Top Bottom</u>
								<u>Cement</u>		

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3246 Date September 9, 19 83

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 reclamation plan, subject to any modifications and conditions specified on the reverse hereof.
 Permit expires September 9, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee

Michael J. Gougeon
 Administrator, Office of Oil and Gas

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