



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION USGS BM 2250' ± SW OF LOCATION, ELEV. = 902'

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. Mark C. Echard
 (SIGNED) MARK C. ECHARD
 R.P.E. _____ L.L.S. 490

PLACE SEAL HERE

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



DATE JUNE 19, 1981
 OPERATOR'S WELL NO. ONE
 API WELL NO. 47-103-1239
 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 875' WATER SHED BOB CAMPBELL BRANCH OF BUFFALO RUN
 DISTRICT GRANT COUNTY WETZEL
 QUADRANGLE CENTER POINT 7.5' Q15 NC
 SURFACE OWNER NOEL C. SHREVE, et ux ACREAGE 24.5
 OIL & GAS ROYALTY OWNER SIMON D. HAYS, et al LEASE ACREAGE 337
 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) _____

JUL 09 1981

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION GORDON ESTIMATED DEPTH 3300'
 WELL OPERATOR PRIOR OIL COMPANY DESIGNATED AGENT MR FERRELL L. PRIOR
 ADDRESS P.O. BOX 1486 ADDRESS P.O. BOX 1486
PARKERSBURG, W.V. 26101 PARKERSBURG, W.V. 26101



State of West Virginia
Department of Mines
Oil and Gas Division

Date November 13, 1981
Operator's
Well No. One (1)
Farm Hayes
API No. 47 - 103 - 1239

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

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

LOCATION: Elevation: 875 Watershed Bob Campbell Branch of Buffalo Run
District: Grant County Wetzel Quadrangle Center Point 7.5'

COMPANY Ferrell Prior
ADDRESS P.O. Box 1486, Parkersburg, WV
DESIGNATED AGENT Mr. Ferrell L. Prior
ADDRESS P.O. Box 1486, Parkersburg, WV
SURFACE OWNER Noel C. Shreve
ADDRESS Jacksonburg, WV
MINERAL RIGHTS OWNER Simon D. Hays, et al
ADDRESS Smithville, West Virginia
OIL AND GAS INSPECTOR FOR THIS WORK Robert Lowther ADDRESS Middlebourne, WV
PERMIT ISSUED June 24, 1981
DRILLING COMMENCED October 30, 1981
DRILLING COMPLETED November 6, 1981 ✓
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	260	260	To Surface
7			
5 1/2			
4 1/2		3384	500 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon Depth 3300 feet
Depth of completed well 3384 feet Rotary X / Cable Tools
Water strata depth: Fresh 60 feet; Salt None feet
Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Gordon Pay zone depth back feet See details on
Gas: Initial open flow SHOW Mcf/d Oil: Initial open flow SHOW Bbl/d
Final open flow (2,000) Mcf/d Final open flow (3) Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 575 psig (surface measurement) after 4 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

OCT 15 1985

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

Dowell frac December 2, 1981

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
No Record			0	1000	
Sand			1000	1080	
Shale with sand streaks			1080	1340	
Sand			1340	1450	
Shale			1450	1490	
Sand			1490	1540	
Shale			1540	1550	
Sand			1550	1600	
Shale			1600	1620	
Sand			1620	1690	
Shale			1690	1730	
Sand			1730	1770	Show of gas
Shale			1770	2050	
Maxon Sand			2050	2090	Show of oil
Sand			2090	2100	
Top of Big Lime				2100	
Big Lime			2100	2150	
Injun Sand	GRD	PO	2150	2350	Show of oil & gas
Shale			2350	2700	
Berea			2700	2750	
Shale			2750	2930	
Gordon Sand			2930	2970	Show of oil & gas
Shale with sand streaks			2970	3384	
Total Depth				<u>3384</u>	

(Attach separate sheets as necessary)


Well Operator

By: _____

Date: November 13, 1981

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."

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT _____
 NAME Gene Stalnaker, Inc. NAME Ferrell Prior
 ADDRESS P. O. Box 178 Glenville, W. Va. ADDRESS P.O. Box 1486, Parkersburg, W.V.
 TELEPHONE 462-5701 TELEPHONE 485-7418
 ESTIMATED DEPTH OF COMPLETED WELL: 3300 ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Gordon
 TYPE OF WELL: OIL _____ GAS _____ COMB X STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	FEET IN WELL	CEMENT TIE UP OR SACKS - CUBIC FT
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	250	250	To surface
7			
5 1/2			
4 1/2		3300	400 sks. of cement
			Perf. Top _____
			Perf. Bottom _____
			Perf. Top _____
			Perf. Bottom _____

APPROXIMATE FRESH WATER DEPTHS 60 FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS N/A
 IS COAL BEING MINED IN THE AREA? N/A BY WHOM? _____

TO DRILL:
 SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:
 SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED

TO FRACTURE - STIMULATE:
 OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD
 OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND
 Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.
 We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

 For Coal Company
 Official Title