



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION USGS BM 2050 ± 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.

(SIGNED) Mark C. Echard
 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 AUGUST 25, 19 81
 OPERATOR'S WELL NO. TWO
 API WELL NO. _____
47 - 103 - 1242
 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 1040' WATER SHED BOB CAMPBELL BRANCH OF BUFFALO RUN
 DISTRICT GRANT COUNTY WETZEL
 QUADRANGLE CENTERPOINT 75' & 15' 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) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION FIFTH SAND ESTIMATED DEPTH 3400'
 WELL OPERATOR FERRELL L. PRIOR DESIGNATED AGENT MR. FERRELL L. PRIOR
 ADDRESS P.O. BOX 1486 ADDRESS P.O. BOX 1486
PARKERSBURG, W.VA 26101 PARKERSBURG, W.VA. 26101

SEP 22 1981



Date June 1, 1983
 Operator's Well No. Two (2)
 Farm Hayes No. 2
 API No. 47 - 103 - 1242

RECEIVED
 FEB 19 1985
 OIL & GAS DIVISION
 DEPT. OF MINES
 State of West Virginia
 Department of Mines
 Oil and Gas Division
 WELL OPERATOR'S REPORT
 OF
 DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 875 / 1040 Watershed Buffalo
 District: Grant County Wetzel Quadrangle Center Point 7.5

COMPANY Ferrell Prior
 ADDRESS P. O. Box 1486, Parkersburg, W. Va.
 DESIGNATED AGENT Ferrell Prior
 ADDRESS P. O. Box 1486, Parkersburg, W. Va.
 SURFACE OWNER Noel C. Shreve
 ADDRESS Jacksonburg, W. Va.
 MINERAL RIGHTS OWNER Simon D. Hays et al
 ADDRESS Smithville, W. Va.
 OIL AND GAS INSPECTOR FOR THIS WORK Robert Lowther
 ADDRESS Middlebourne, W. Va.
 PERMIT ISSUED August, 11, 1981
 DRILLING COMMENCED 10-3-1981
 DRILLING COMPLETED 10-17-1981
 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16 Cond.			
13-10"			
9 5/8			
8 5/8	265	265	To surface
7			
5 1/2			
4 1/2		3354	500 sks.
3			
2			
Liners used			

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

OPEN FLOW DATA
 Producing formation Gordon Sand, Gordon Strata See Detail on Pay zone depth the back feet
 Gas: Initial open flow Show Mcf/d Oil: Initial open flow show Bbl/d
 Final open flow (2,500) Mcf/d Final open flow (5) Bbl/d
 Time of open flow between initial and final tests 4 hours
 Static rock pressure 650 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

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

Dowell Frac March 11, 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	
Shale			1000	1178	
Sand			1178	1190	
Shale			1190	1270	
Sand			1270	1290	
Shale			1290	1340	
Sand			1340	1370	
Shale			1370	1416	
Sand			1416	1476	
Shale			1476	1492	
Sand			1492	1530	
Shale			1530	1542	
Sand			1542	1584	
Shale			1584	1610	
Sand			1610	1690	
Shale			1690	1726	
Sand			1726	1770	
Shale			1770	2050	
Maxon Sand			2050	2080	
Pencil Cave			2080	2106	
Big Lime			2106	2210	
Keener Sand			2210	2248	
Shale			2248	2254	
Injun Sand			2254	2344	
Shale			2344	2500	
Weir Sand			2500	2618	
Shale			2618	2702	
Gantz Sand			2702	2752	
Shale			2752	2930	
Gordon Sand ?			2930	2970	
Shale			2970	3070	
Gordon Stray ?			3070	3080	
Shale			3080	3264	
Fifth Sand			3264	3274	
Shale			3274	3384	
Total Depth			3384		

(Attach separate sheets as necessary)

Lawrence Perri
Well Operator

By: *Lawrence Perri*

Date: *June 1, 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."

RECEIVED

SEP 8 - 1981

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE August 21, 1981
Company Ferrell Prior
Address P.O. Box 1486, Parkersburg, W. Va.
Farm Hays Acres 24.5
Location (waters) Buffalo Run
Well No Two (2) Elevation 875/1040
District Grant County Wetzel
Quadrangle Center Point 7.5

Surface Owner Noel C. Shreve, et ux
Address Jacksonburg, W. Va. 24377
Mineral Owner Simon D. Hays, et al
Address P. O. Box 221, Smithville, W. Va.
Coal Owner N/A
Address N/A
Coal Operator N/A
Address N/A

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22,
of the W. Va. Code, the location is hereby approved
for drilling. This permit shall expire if
operations have not commenced by 5-11-82

INSPECTION
TO BE NOTIFIED Phillip Lee Tracy
ADDRESS Rt. 23, Alma, W. Va. 26320
PHONE 758-4573

J. E. Murray
Deputy Director - Oil & Gas Division

GENTLEMEN,

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee
title thereto, (or as the case may be) under grant or lease dated 22nd of March 1980 by Simon D. Hays
and Hazel Hayes made to Santa Fe Drilling Corporation recorded on the 3rd day of April
1980, in Wetzel County, Book 59A, Page 381.

NEW WELL DRILL DEEPER REDELL FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 3, 1900.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators
have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or the request
to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal owners
or coal owners at their above shown respective address _____ day _____ before, on the
same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address
of
Well Operator

Very truly yours, Ferrell Prior
(Sign Name) *Ferrell Prior*
Well Operator
P. O. Box 1486
Street
Parkersburg,
City or Town
West Virginia 26102
State

*SECTION 3... If no objections are filed or found by the Department of Mines, within said period of ten days from the date of this
notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit
the filing of such plat, that no objections have been made by the coal operators and thereto by the department and that the well operator, owner
and the well operator authorized to proceed.

47-103-1242 PERMIT NUMBER

I have read and understand the reclamation requirements as set forth in
Chapter 22, Article 4, Section 12-b and will carry out the specified requirements.

Signed by _____

Sumner

