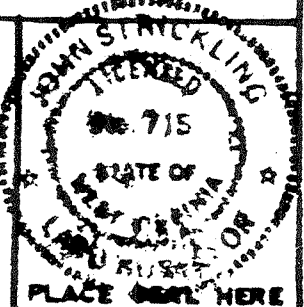


FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION ROAD INTERSECTION ELEV. 825'

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.B. 715



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

DATE 12 AUGUST, 1981
 OPERATOR'S WELL NO. WEST #1
 API WELL NO. 47-017
 STATE COUNTY PERMIT 3040



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 1094' WATER SHED LOWER RUN
 DISTRICT SOUTHWEST COUNTY DODDRIDGE
 QUADRANGLE OXFORD, W.VA. T1/2 QUAD Holbrook 15 DE NC
 SURFACE OWNER HAZEL N. WEST & RUPERT W. WEST ACREAGE 115
 OIL & GAS ROYALTY OWNER HAZEL N. WEST, ET. AL. LEASE, ACREAGE 115
 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 ALEXANDER ESTIMATED DEPTH 5000'
 WELL OPERATOR HUGH SPENCER DESIGNATED AGENT HUGH SPENCER
 ADDRESS WEST UNION, W.VA. 26456 ADDRESS WEST UNION, W.VA. 26456

SEP 22 1981

0-6 Straight Fork-Bluestone Creek (133)

RECEIVED
SEP 6 - 1983



RECEIVED
SEP 20 1983

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

OIL and Gas Division
DEPT. OF MINES

Oil & Gas Division
DEPT. OF MINES

WELL RECORD

Quadrangle Oxford
Permit No. 47-017-3040

Rotary Oil
Cable _____ Gas _____
Recycling _____ Comb _____
Water Flood _____ Storage _____
Disposal _____

Company Hugh Spencer
Address West Union, W. Va. 26456
Farm Hazel & R.W. West Acres 110
Location (waters) Lower Run
Well No. One Elev. 1097
District Southwest County Doddridge
The surface of tract is owned in fee by Hazel & R.W. West
Address Harrisville, W. Va.
Mineral rights are owned by Same
Address Same
Drilling Commenced January 2, 1982
Drilling Completed January 9, 1982
Initial open flow None cu. ft. None bbls.
Final production None cu. ft. per day 2 bbls.
Well open 24 hrs. before test 200 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"	20	20	
9 5/8			
8 5/8	315	315	
7			
5 1/2			
4 1/2	2336	2336	
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

9,000 Lbs. Sand, 1000 Gal. 15% Acid & 900 BBL. Water

Coal was encountered at None Feet _____ Inches _____
Fresh water 15 Feet _____ Salt Water None Feet _____
Producing Sand Weir & Engine Depth 1956-1982
2150-2174

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Yellow Clay			0	15		
Red Rock			15	28		
Lime			28	50		
Red Rock			50	72		
Slate			72	90		
Red Rock			90	110		
Lime			110	124		
Slate & Shells			124	160		
Red Rock			160	218		
Slate & Shells			218	240		
Black Slate			240	260		
Lime			260	288		
Sand			288	312		
Red Rock			312	360		
Lime			360	422		
Red Rock			422	469		
Lime			469	515		
Slate & Shells			515	587		
Lime			587	642		
Red Rock			642	721		
Sand			721	745		
Lime			745	767		
Pink Rock			767	781		
Lime			781	795		

(over)

* Indicates Electric Log tops in the remarks section.

NOV 28 1983

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Slate & Shells			795	810		
Lime			810	820		
Slate			820	850		
Sand			850	860		
Slate			860	880		
Sand			880	888		
Slate			888	900		
Sand			900	910		
Slate			910	1028		
Sand 1-st. salt			1028	1036		
Slate			1036	1114		
Lime			1114	1150		
Slate			1150	1170		
Sand 2-nd. salt			1170	1230		
Slate			1230	1284		
Sand 3-rd. salt			1284	1334		
Slate			1334	1354		
Sand			1354	1398		
Slate			1398	1590		
Sand maxon			1590	1635		
Slate			1635	1812		
Lime big lime			1812	1850		
Sand big injun			1850	1982		
Slate			1982	2150		
Sand weir			2150	2246		
Slate & Shells			2246	2477		
					Total Depth	

Date Sept 5, 1923

APPROVED [Signature], Owner

By Owner

(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner Hazel & R.W. West
Address Harrisville, W.Va.
Mineral Owner Sans
Address _____
Coal Owner None
Address _____
Coal Operator None
Address _____

DATE August 15, 1981
Company Hugh Spencer
Address West Union, W.Va. 26456
Farm R.W. West Acres 115
Location (waters) Lower Run
Well No. One Elevation 1094
District Southwest County Doddridge
Quadrangle Oxford, W.Va.

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 5-9-82

RECEIVED
SEP - 1 1981
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

J. J. 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 August 25, 19 81 by Hazel And R.W. West made to Hugh Spencer and recorded on the 26th day of August 19 81, in Doddridge County, Book 121 Page 700
 NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

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 are required 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 operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,
(Sign Name) Hugh Spencer
Well Operator

Address of Well Operator _____
Street _____
West Union, W.Va.
City or Town _____
W.Va.
State _____

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

BLANKET BOND

Sams

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

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Spencer Enterprises NAME Mugh Spencer
 ADDRESS West Union, W.Va. 26456 ADDRESS West Union, W.Va. 26456
 TELEPHONE 873-1602 TELEPHONE 873-1602
 ESTIMATED DEPTH OF COMPLETED WELL: 5,000 ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Alexander
 TYPE OF WELL: OIL _____ GAS COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8	20	20	0
8 - 5/8	1400	1400	400 C-T5
7			
5 1/2			
4 1/2	5000	5000	500 SKs. as 420 as reqd. by rule 15.01
3			
2			Perf. Top
Liners			Perf. Bottom
			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 15 FEET SALT WATER 1320 FEET
 APPROXIMATE COAL DEPTHS None
 IS COAL BEING MINED IN THE AREA? No 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