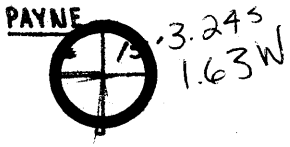
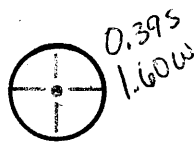
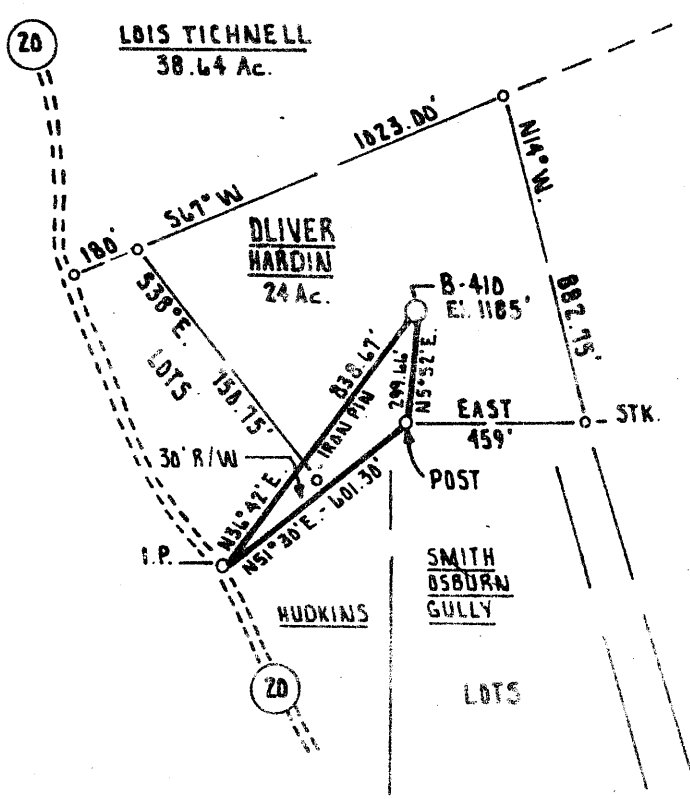


LATITUDE 39° 12' 30"
(15') 39° 15'

LONGITUDE 80° 15' 00"

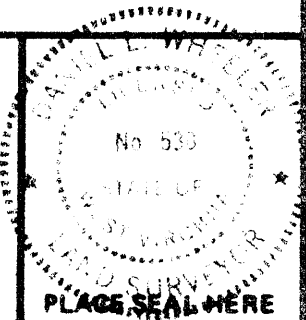


NORTH



FILE NO. D.E. #1 PAGE 53
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 PART IN 200
PROVEN SOURCE OF ELEVATION 1029' INTERSECTION RT. 20 and 20/18

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) Daniel S. Wheeler
R.P.E. _____ L.L.S. 530



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



DATE OCTOBER 13th, 19 80
OPERATOR'S WELL NO. B-410 REVISED
API WELL NO. _____
47 - 033 - 2503
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1185' WATER SHED ELK CREEK
DISTRICT ELK COUNTY HARRISON
QUADRANGLE MOUNT CLARE 7.5' WESTON 15' NE
SURFACE OWNER OLIVER HARDIN ACREAGE 24.04 Ac.
OIL & GAS ROYALTY OWNER OLIVER M. HARDIN ET. UX LEASE ACREAGE 24 Ac.
LEASE NO. 2171
PROPOSED WORK: DRILL X 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 BENSON ESTIMATED DEPTH 4700'
WELL OPERATOR J. and J. ENTERPRISES INC. DESIGNATED AGENT BERRY ENERGY CONSULTANTS AND MANAGERS INC.
ADDRESS BERRY ENERGY CONSULTANTS AND MANAGERS INC. ADDRESS SUITE 304 PROFESSIONAL BUILDING SUITE 304 PROFESSIONAL BLDG: CLARKSBURG, W. V. 26301 CLARKSBURG, WEST VIRGINIA 26301 NOV 17 1980



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

DEC 22 1981

Oil and Gas Division
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

WELL RECORD

Rotary Oil _____
Cable _____ Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Quadrangle MOUNT CLARE

Permit No. HAR-2503

Company J & J Enterprises, Inc.
c/o Berry Energy Cons. & Mgrs., Inc.
Address P. O. Box 5, Clarksburg, WV 26301
Farm Oliver W. Hardin Acres 24
Location (waters) Elk Creek
Well No. B-410 Elev. 1120'
District Elk County Harrison
The surface of tract is owned in fee by Oliver W. Hardin
Address 200 Maple Ave., Stonewood, WV
Mineral rights are owned by Same
Address _____
Drilling Commenced 3-6-81
Drilling Completed 3-14-81
Initial open flow 103 M cu. ft. _____ bbls.
Final production 169,000 cu. ft. per day N/A bbls.
Well open 14 days _____ hrs. before test 975# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			To surface
Cond. 11-3/4"	35	35	
13-10"			
9 5/8			To surface
8 5/8	1234	1234	
7			
5 1/2			89 Sks
4 1/2	4147	4147	
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Bradford - 1600#; ATP - 1800#; AV - 39 Bbl; Isp - 1050# ; 1,000 80/100 ; 62,500 20/40 ; TF - 690 ; TSLF - 605
Speechly - 2600# ; ATP - 2150# AV - 29 1/2 Bbl ; ISP - 1000# ; TF 585 ; TSLF - 525
Perf. 2949-2951 - 5 holes P. J. and perf 3149-51 Speechly, 3590-3630 Bradford
(FRACED 4-10-81)

Coal was encountered at 90-95; 458-460; 495-500; 565-567; 670-674; Feet _____ Inches _____
Fresh water 50 Feet _____ 1/2" Stream _____ Salt Water _____ Feet _____
Producing Sand Bradford & Speechly Depth 2949-51

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Cond			0	35		
Sand & Shale			35	90		Water @50'
Coal			90	95		
Sand & Shale			95	175		
Sand			175	205		
Sand & Shale			205	458		
Coal			458	460		
Sand & Shale			460	495		
Coal			495	500		
Sand & Shale			500	525		
Sand			525	565		Increase water @530'
Coal			565	567		
Sand & Shale			567	610		
Sand			610	650		
Sand & Shale			650	670		
Coal			670	674		
Sand & Shale			674	705		

(Con'd on back page)

J & J Enterprises, Inc.
c/o Berry Energy Cons. & Mgrs., Inc.
P. O. Box 5
Clarksburg, WV 26301

By: *[Signature]*

(over)

* Indicates Electric Log tops in the remarks section.

Sand	705	785	
Sand & Shale	785	960	
Sand	960	1185	
Sand, Shale & Red Rock	1185	1240	
L. Lime	1240	1260	
Sand & Shale	1260	1290	
B. Lime	1290	1345	
Sand	1345	1455	
Sand & Shale	1455	1525	Ck. Gas @1575'
Sand	1525	1580	
Sand & Shale	1580	1855	
Sand	1855	1925	
Sand & Shale	1925	3135	
Sand	3135	3175	
Sand & Shale	3175	3540	Ck. Gas @3255'
Sand	3540	3660	
Sand & Shale	3660	4345	
Sand <i>REASON</i>	4345	4365	
Sand & Shale	4365	4557	
Total Depth		4557	



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

Oil and Gas Division

OCT 24 1980

OIL AND GAS WELL PERMIT APPLICATION
OIL & GAS DIVISION
DEPT. OF MINES

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

Surface Owner Oliver W. Hardin
Address 200 Maple Ave., Stonewood, W. Va.
Mineral Owner Same
Address _____
Coal Owner Same
Address _____
Coal Operator None
Address _____

DATE October 6, 1980
J & J Enterprises, Inc.
Company c/o Berry Energy Consultants, Inc.
Address Clarksburg, W. Va.
Farm Oliver W. Hardin Acres 24
Location (waters) Elk Creek
Well No. B-410 Elevation 1120'
District Elk County Harrison
Quadrangle MOUNT CLARE

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 6-29-81.

INSPECTOR
TO BE NOTIFIED Paul Garrett
ADDRESS 321 Beech Street, Clarksburg, WV
PHONE 622-3871

Paul Garrett
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 5-23-80 1980 by Oliver W. Hardin made to W. B. Berry and recorded on the 16th day of June 1980 in Harrison County, Book 1092 Page 722

XXXX 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 Same 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, J & J Enterprises, Inc.
c/o Berry Energy Consultants, Inc.
(Sign Name) [Signature]
Well Operator

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

308-309 Professional Building
Street
Clarksburg,
City or Town
West Virginia
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

PROPOSED WORK ORDER TO xxx DRILL DEEPEN FRACTURE STIMULATE

DRILLING CONTRACTOR: (If Known)

RESPONSIBLE AGENT:

NAME S. W. Jack Drilling Company

NAME W. B. Berry

ADDRESS Buckhannon, W. Va.

ADDRESS Clarksburg, W. Va.

TELEPHONE 472-9403

TELEPHONE 622-3450

ESTIMATED DEPTH OF COMPLETED WELL: 4700'

ROTARY xxx CABLE TOOLS

PROPOSED GEOLOGICAL FORMATION: Benson

TYPE OF WELL: OIL GAS xx COMB. STORAGE DISPOSAL
RECYCLING WATER FLOOD OTHER

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT CHL UP OR SACKS - CUBIC FT
20 - 16			
20 - 16 11-3/4"	30'	30'	To surface
9 - 5/8			
8 - 5/8	1000'	1000'	To surface
7			
5 1/2			
4 1/2	4700'	4700'	225 sks
3			Perf. Top
2			Perf. Bottom
1 1/2			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 55' FEET SALT WATER None FEET

APPROXIMATE COAL DEPTHS Various ?????

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 hereof.

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