



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION INTERSECTION (20)
 and (20) ELEVATION 1054'

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) Cecil R. Main
 R.P.E. _____ L.L.S. 711



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

DATE JUNE 12TH 19 81
 OPERATOR'S WELL NO. B-429
 API WELL NO. 47 - 033 - 2660
 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 1232' WATER SHED GNATTY CREEK
 DISTRICT ELK COUNTY HARRISON
 QUADRANGLE BROWNTON 7.5' Philippi 15' EWC
 SURFACE OWNER M.L. HUTCHINSON HEIRS, INC. ACREAGE 287.05 Ac.
 OIL & GAS ROYALTY OWNER M.L. HUTCHINSON HEIRS, INC. LEASE ACREAGE 287.05 Ac.
 LEASE NO. _____
 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 309 PROFESSIONAL BUILDING SUITE 309 PROFESSIONAL BLDG: CLARKSBURG, W.Va. 26301
6-6 Jarvisville (15)
AUG 24 1981



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Brownston 7.5

Permit No. Harr - 2660

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

J & J Enterprise Inc. %

Company Berry Energy Consultants & Mgrs.
Address P.O. Box 5 Clarksburg W Va 26301
Farm M L Hutchinson Heirs Inc. Acres 287.05
Location (waters) Gnatty Creek 1232
Well No. B-429 Elev. 1001'
District Elk County Harrison
The surface of tract is owned in fee by _____
M L Hutchinson Heirs Inc.
Address 309 Gaston Ave., Fairmont W Va.
Mineral rights are owned by Same
Address Same
Drilling Commenced 9-8-81
Drilling Completed 9-13-81
Initial open flow 127 MCF ~~cu. ft.~~ bbls.
Final production 84,000 cu. ft. per day bbls.
Well open 8 days ~~hrs~~ before test 1,450# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. XXXX 11-3/4"	None		
9 5/8			
8 5/8	1270.95	1270.95	330 Sks.
7			
5 1/2			
4 1/2	4429	4429	170 Sks 50/50 POZ
3			
2			
Liners Used			

Well treatment details: Fraced; 9-26-81 Attach copy of cementing record.
Benson; 10,000, 80/100, 70,000, 20/40, 803 Bbls. H²O Perf: 4349-4353 - 15 holes, .41

84-MCF

Coal was encountered at 110-115'; 119-123'; 274-278'
433-439' & 705-708' Feet _____ Inches
Fresh water 170' Feet 1/4" stream Salt Water none Feet _____
Producing Sand Benson 4349-53 Depth 4494'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Cond.			0	35		
Sand			35	42		
Red Rock & Shale			42	50		Hole damp @ 45'
Sand			50	85		
Sand & Shale			85	110		
Coal			110	115		
Sand & Shale			115	119		
Coal			119	123		
Sand & Shale			123	157		
Red Rock & Shale			157	208		Water @ 170' - 1/4" stream
Sand & Shale			208	274		
Coal			274	278		
Sand, Shale & Red Rock			278	390		
Sand & Shale			390	433		
Coal			433	439		Water increase @ 413' - 1/2" to 3/4" stream
Sand & Shale			439	705		
Coal			705	708		
Sand & Shale			708	816		
Sand			816	872		
Sand & Shale			872	925		
White Sand			925	970		
Sand & Shale			970	1155		
Sand			1155	1226		
Black Shale			1226	1235		
Sand & Shale			1235	1280		

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OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Red Rock & Shale			1280	1395		
Sand & Shale			1395	1415		
Red Rock & Shale			1415	1475		
Sand & Shale			1475	1525		
Lime & Injun			1525	1690		Gas Ck @ 1729', 8/10-9/10, 2" w/water
Sand & Shale			1690	1900		Gas Ck @ 1851', 12/10, 2" w/water
Sand			1900	1945		Gas Ck @ 2570', 8/10, 1 1/4" P/water
Sand & Shale			1945	4330		Gas Ck @ 3053', 4/10, 1 1/4" P/water
Brown Sand			4330	4355		Gas Ck @ 4207', 2-/10, 1/2" P.w/water
Sand & Shale			4355	4494		Gas Ck @ 4365', 17/10, 1/2" P.w/water
						Gas Ck @ 4494' T.D. 10/10, 1/2" Pw/water
<p>J & J Enterprise Inc. % Berry Energy Consultants & Mgrs. P.O. Box 5 Suite 309 Professional Bldg. Clarksburg, W. Va. 26301</p>						
<p>BY: <u><i>[Signature]</i></u></p>						

Date _____ . 19____

APPROVED _____ . Owner

By _____
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner M. L. Hutchinson Heirs Inc.
Address 309 Gaston Ave., Fairmont, W. Va.
Mineral Owner Same
Address Same
Coal Owner Same
Address Same
Coal Operator Not operated
Address _____

DATE July 2, 1981
Company J & J Enterprise Co. %
Address Berry Energy Consultants & Mgrs.
Address P.O. Box 5, Clarksburg, WVa.
Farm M. L. Hutchinson Hrs. Inc. Acres 287.05
Location (waters) Gnatty Creek
Well No. R-429 Elevation 1054'
District Elk County Harrison
Quadrangle Brownnton 7.5

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 4-12-82.

INSPECTOR
TO BE NOTIFIED Stephen Casey
ADDRESS Rt. 2, Box 232 D
Lane Lew, W. Va. 26378
PHONE 884-7470

J. J. [Signature]
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 September 20, 1980 by M.L. Hutchinson Heirs Inc. made to A.L. McQuaid, dba App. Mineral Co. and recorded on the 10 day of October 1980 in Harrison County, Book 1096 Page 741

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 same 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 Enterprise Co. %
Berry Energy Consultants & Mgrs.
(Sign Name) [Signature]
Well Operator

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

OFFICE OF OIL AND GAS
1615 Washington Street, East
Charleston, West Virginia
Area Code 304 -348-3092 348-3096

Address Suite 309 Professional Bldg.
of Clarksburg
Well Operator Clarksburg
West Virginia, 26301
City or Town West Virginia, 26301
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

47-033-2660 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 _____

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 S.W. Jack Drilling Co. NAME Berry Energy Consultants & Mgrs.
 ADDRESS P.O. Box 48, Buckhannon, WVa. 26201 ADDRESS P.O. Box 5, Clarksburg, W. Va. 26301
 TELEPHONE 472-9403 TELEPHONE 622-3450
 ESTIMATED DEPTH OF COMPLETED WELL: 4600' ROTARY CABLE TOOLS
 PROPOSED GEOLOGICAL FORMATION: Benson
 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			
11-3/4	30'	30'	
8 - 5/8	1250'	1250'	To Surface
7			
5 1/2			<u>460</u>
4 1/2	4600'	4600'	375 Sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 150'-200' FEET SALT WATER None FEET
 APPROXIMATE COAL DEPTHS Unknown
 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