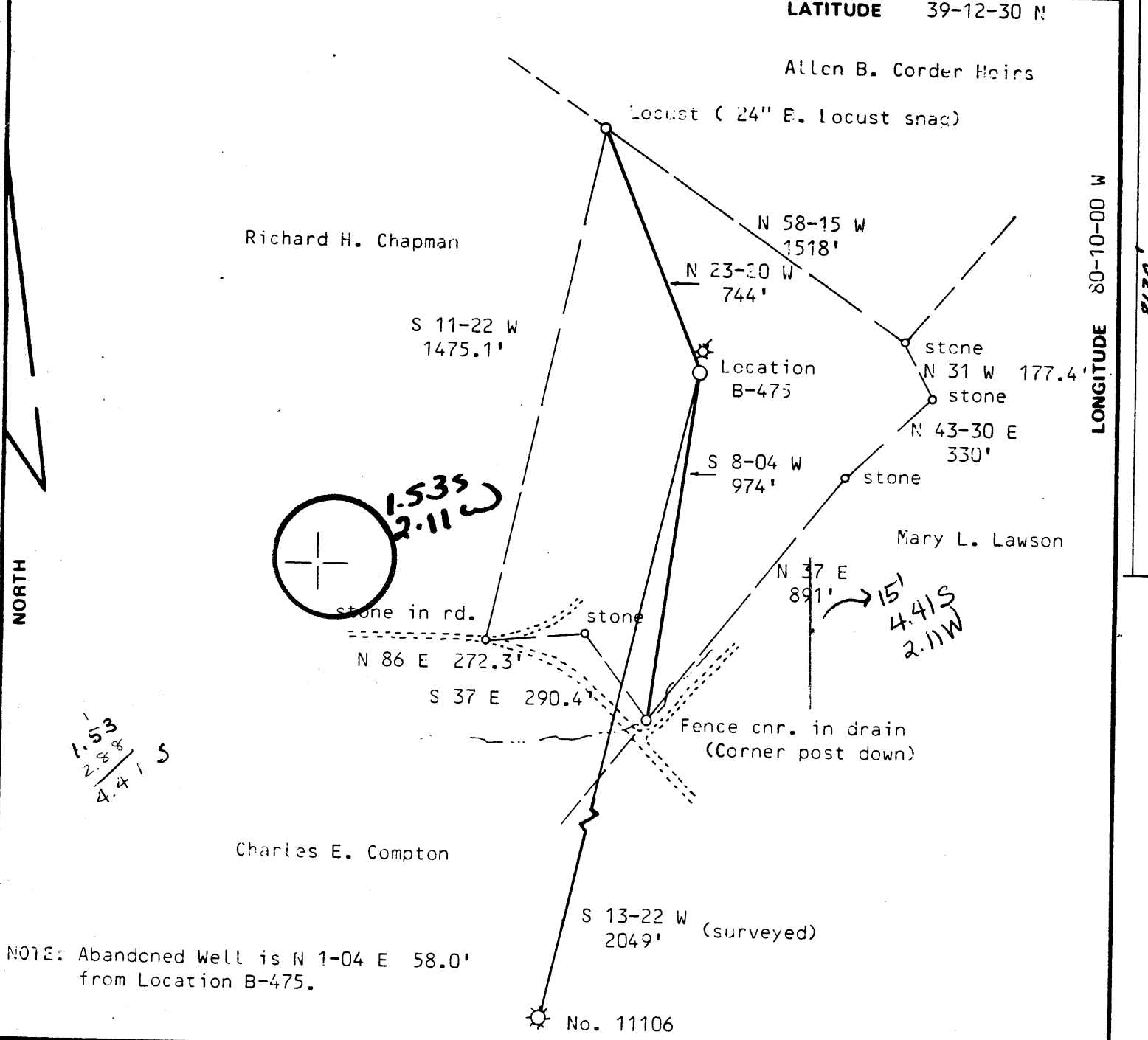


rough card CSD 11120' 39° 15'



NOTE: Abandoned Well is N 1-04 E 58.0' from Location B-475.

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION Road intersection
 1000' SW of location: Elev. 1195'

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) [Signature]
 R.P.E. _____ L.L.S. 369

PLACE SEAL HERE

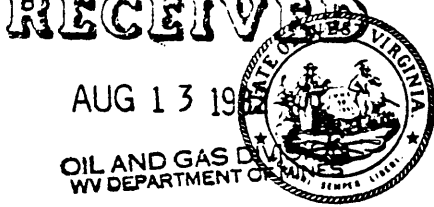
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE November 18 19 81
 OPERATOR'S WELL NO B - 475
 API WELL NO.
47-001-1672
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS.") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1219 WATER SHED Birds Fun
 DISTRICT Elk COUNTY Barbour
 QUADRANGLE Brownton- 7 1/2' Phillips 15' NW
 SURFACE OWNER Johnnie McCarty ACREAGE 25
 OIL & GAS ROYALTY OWNER H.S. Weeks, N.S. Weeks, J. McCarty LEASE ACREAGE 25
 LEASE NO. 2137
 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 4600'
 WELL OPERATOR J.J. Enterprises, Inc. DESIGNATED AGENT Berry Energy Consultants & Mar's, Inc.
 ADDRESS P.O. Box 5 ADDRESS P.O. Box 5
 Clarksburg, WV 26301 Clarksburg, WV 26301



AUG 13 1981

IV-35
(Rev 8-81)

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Date January 19, 1982
Operator's
Well No. B-475
Farm Johnive McCarty
API No. 47 - 001 - 1672

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

LOCATION: Elevation: 1219' Watershed Birds Run
District: Elk County Barbour Quadrangle Barbour 7½

COMPANY J & J Enterprise Inc. % Berry Energy Consultants & Mgrs.
ADDRESS P.O. Box 5, Clarksburg, W.Va. 26301
DESIGNATED AGENT SAME
ADDRESS SAME
SURFACE OWNER Johnive McCarty
ADDRESS 406 Morgan St., Clarksburg WVa 26301
MINERAL RIGHTS OWNER Harry S & Nove S Weeks
125 Forrest Ave, Clarksburg WVa. 26301
ADDRESS J. McCarty, 406 Morgan St. Clarksburg, W. Va. 26301
OIL AND GAS INSPECTOR FOR THIS WORK Robert Stewart,
P.O. Box 345 ADDRESS Jane Lew, W.Va. 26301
PERMIT ISSUED December 18, 1981
DRILLING COMMENCED 12-30-81
DRILLING COMPLETED 1-6-82
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 <u>13/4</u> 20 1/2 Cond.	<u>30'</u>	<u>30'</u>	
<u>13-10"</u>			
<u>9 5/8</u>			
<u>8 5/8</u>	<u>1005'</u>	<u>1005'</u>	<u>To Surface</u>
<u>7</u>			
<u>5 1/2</u>			
<u>4 1/2</u>	<u>4471'</u>	<u>4471'</u>	<u>107 Sks.</u>
<u>3</u>			
<u>2</u>			
Liners used			

GEOLOGICAL TARGET FORMATION Benson EST. Depth 4700' feet
Depth of completed well 4693 TD feet Rotary X / Cable Tools
Water strata depth: Fresh 1845' feet; Salt None feet
Coal seam depths: 195-200, 405-410 & 500-503 Is coal being mined in the area? No

OPEN FLOW DATA see back
Producing formation Benson-Balltown-Speechley Pay zone depth 3610 3405-3125 feet
Gas: Initial open flow 40,000 Mcf/d Oil: Initial open flow Bbl/d
Final open flow 207,000 Mcf/d 207 MCF Final open flow Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 1400# psig (surface measurement) after 14 ^{days} 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

FRACED: January 19, 1982

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

- 1st Stage: Benson; 10,000,80/100,60,000,20/40, 680 Bbls. H²O Perf: 4313-4316, 13 Holes
 2nd Stage: Balltown; 10,000,80/100,70,000,20/40, 745 Bbls. H²O Perf: 3578-3563, 15 Holes
 3rd Stage: Lo. Speechly; 10,000,80/100,50,000,20/40, 585 Bbls. H²O Perf: 3371-3377, 12 Holes
 4th Stage: Up. Speechly; 10,000,80/100, 50,000,20/40,580 Bbls. H²O Perf: 3096-3104, 12 Holes

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Cond.			0	30	
Sand & Shale			30	80	Water @ 32', 3/4" Stream
Sandy Shale & Red Rock			80	135	
Sand			135	195	
Coal			195	200	Coal
Sandy Shale			200	375	
Sand			375	405	
Coal			405	410	Coal
Sand			410	500	
Coal			500	503	Coal
Sand			503	650	
Shale			650	895	
Sand			895	1000	
Sandy Shale			1000	1440	
Sandy Lime			1440	1535	<i>Big Lime 1440</i>
Sand			1535	1615	
Sandy Shale			1615	1840	Water @ 1845', 1 1/2" Stream
Sand			1840	1935	
Sandy Shale			1935	2300	
Sand			2300	2430	Gas Odor @ 2315'
Sandy Shale			2430	2710	
Sand			2710	2780	Gas Ck @ 2385', 30/10 - 2" w/MERC
Sandy Shale			2780	3530	Gas Ck @ 3410', 60/10 - 2" w/wate
Sand			3530	3580	
Sandy Shale			3580	4470	Gas Ck @ 4410', 44/10 - " "
Sand			4470	4480	
Sandy Shale <i>Alexander</i>			4480	<u>4693 TD</u>	TD @ 4693' with 7-7/8" Hole

(Attach separate sheets as necessary)

J & J Enterprise Inc. %

Berry Energy Consultants & Mgrs.
Well Operator

By: *W. J. Berry*

Date: *8/11/82*

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."



STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas X /
(If "Gas", Production X / Underground storage / Deep / Shallow X /

LOCATION: Elevation: 1219' Watershed: Birds Run
District: Elk County: Barbour Quadrangle: Barbour 7 1/2'
J & J Enterprise Inc. %

WELL OPERATOR Berry Energy Consultants & Mgrs. DESIGNATED AGENT Berry Energy Consultants & Mgrs.
Address P.O. Box 5 Address SAME
Clarksburg, W. Va. 26301

OIL AND GAS ROYALTY OWNER Harry S. & Neva S Weeks COAL OPERATOR None
Address 125 Forrest Ave., Clarksburg WVa 26301 Address
Johnive McCarty, 406 Morgan St. Clarksburg WVA.
Acreage 25 26301

SURFACE OWNER Johnive McCarty COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME SAME AS ROYALTY OWNERS
Address
Address
NAME
Address

FIELD SALE (IF MADE) TO:
NAME
Address

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME Robert Stewart
Address P.O. Box 345
Jane Lew, WVa. 26378
Telephone 884-7782

COAL LESSEE WITH DECLARATION ON RECORD:
NAME
Address

RECEIVED
DEC 16 1981
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease X / other contract / dated Jan. 2, 1980, to the undersigned well operator from Harry S. & Neva S Weeks his wife & Johnive McCarty.
(If said deed, lease, or other contract has been recorded:)
Single

Recorded on Feb. 15th, 1980, in the office of the Clerk of County Commission of Barbour County, West Virginia, in 0/G 83 Book at page 157. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill Deeper / Redrill / Fracture or stimulate / Plug off old formation / Perforate new formation / Other physical change in well (specify)

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

BLANKET BOND

J & J Enterprise Inc. %
Berry Energy Consultants & Mgrs.
Well Operator
By: [Signature]
Its: Operator

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) S.W. Jack Drilling Co.

Address P.O. Box 48

Buckhannon, W.Va. 26201

GEOLOGICAL TARGET FORMATION Benson
Estimated depth of completed well 4700 feet. Rotary x / Cable tools /
Approximate water strata depths: Fresh, 125-140 feet; salt, None feet.
Approximate coal seam depths: 400
Is coal being mined in this area: Yes / No x /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drilling	Left in Well		
Conductor	11-3/4	API	42#	X		30'	30'		Kinds
Fresh water									
Coal									Sizes
Intermed.	8-5/8	API	24#	X		1050'	1050'	To Surface	
Production Tubing	4 1/2	API	10#	X		4700'	4700'	250 ⁴⁷⁰ Sks.	Depths set
Liners									Perforations: Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

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 8-18-82.

Fred B. Buehler
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regularions.

Date: , 19 .

By:

Its: