



NOTE: All mapped wells within 2400' of the proposed location are shown.

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION spot elevation 1800' NW of the location, elev. 1250

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) Thomas L. Linn
 R. P. E. _____ L. L. S. 669

PLACE SEAL HERE

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



DATE January 12, 19 83
 OPERATOR'S WELL NO. B.533
 API WELL NO. _____
47 - 033 - 2903
 STATE COUNTY PERMIT

Department of Mines
 Oil & Gas Division

WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____)
 LOCATION: ELEVATION 1135 WATER SHED Tributary of Shinn's Run
 DISTRICT Clay COUNTY Harrison
 QUADRANGLE Clarksburg 7 1/2' & 15' EC
 SURFACE OWNER Lyda Richards et al ACREAGE 39.36
 OIL & GAS ROYALTY OWNER Lyda Richards et al LEASE ACREAGE 77
 LEASE NO. 2080
 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 Balltown ESTIMATED DEPTH 3600 21 1983
 WELL OPERATOR L & C Enterprises, Inc. DESIGNATED AGENT Berry Energy Consultants & Mgrs, Inc
 ADDRESS % Berry Energy Consultants & Mgrs, Inc. P.O. Box 19 ADDRESS P.O. Box 19
P.O. Box 51, Clarksburg, WV 26301 Clarksburg, WV 26301

RECEIVED
JAN 17 1984



IV-35
(Rev 8-81) OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date August 12, 1983
Operator's Well No. B-533
Farm Lyda Richards, et al
API No. 47 - 033 - 2903

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: 1135' Watershed Tributary of Shinns Run
District: Clay County Harrison Quadrangle Clarksburg 7 1/2'

COMPANY J & J Enterprise Inc. % Berry Energy Consultants & Mgrs.
ADDRESS P.O. Box 5, Clarksburg, WVa 26301
DESIGNATED AGENT SAME
ADDRESS SAME
SURFACE OWNER Lyda Richards, Sr., et al
ADDRESS 401 Lynn St., Shinnston, W. Va. 26431
MINERAL RIGHTS OWNER SAME AS SURFACE
ADDRESS SAME
OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey
ADDRESS Jane Lew, W.Va. 26378
PERMIT ISSUED June 15, 1983
DRILLING COMMENCED 7-21-83
DRILLING COMPLETED 7-27-83
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 11-3/4 20-1/2 Cond.	30'	30'	
13-10"			
9 5/8			
8 5/8	1254.25	1254.25	265 Sks.
7			
5 1/2			
4 1/2	3408'	3408'	300 Sks.
3			50/50 POZ
2			
Liners used			

GEOLOGICAL TARGET FORMATION Balltown, Fifth & Fourth Sands Depth 3500' feet
Depth of completed well 3507' feet Rotary xx / Cable Tools
Water strata depth: Fresh 420' feet; Salt None feet
Coal seam depths: 130', 280', 865' Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Speechly Fifth Sand Pay zone depth 3335-3339 2665-2675 feet
Gas: Initial open flow 133,000 Mcf/d Oil: Initial open flow N/A Bbl/
Final open flow 500,000 Mcf/d Final open flow N/A Bbl/
Time of open flow between initial and final tests unknown hours
Static rock pressure 1175# psig (surface measurement) after 2 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/
Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/
Time of open flow between initial and final tests _____ hours
Static rock pressure _____ psig (surface measurement) after _____ hours shut in

JAN 30 1984

(Continue on reverse side)

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

FRACED: AUGUST 25, 1983

1st Stage; Speechly; 20/40, 30,000#, 262 Bbls. H₂O, 1048 Bbls. Foam, Total 804,750 SCF, N₂

2nd Stage: Fifth Sand; 20/40, 60,000#, 356 Bbls. H₂O, 1292 Bbls. Foam, Total 916,670 SCF N₂

PERFORATIONS: Speechly; 3335-3339 - 12 Holes .39

Fifth Sand; 2665-2675 - 14 Holes .39

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all f. and salt water, coal, oil and
Cond;			0	15	
Sand & Shale			15	183	
Coal			183	191	Coal
Sand & Shale			191	1025	Water @ 595' - 1/2" Stream
White Sand			1025	1055	
Sand & Shale			1055	1180	
Gray Sand			1180	1240	
Shale & Red Rock			1240	1400	
Sand & Shale			1400	1570	
Big Lime			1570	1680	
Sand & Shale			1680	1690	
Big Injun			1690	1730	
Sand & Shale			1730	2200	
White Sand			2200	2260	
Shale			2260	2270	
Grey Sand			2270	2365	Gas Ck @ 2332' - 32/10, 1/2" w/H ₂
Sand Shale & Red Rock			2365	2506	
Fourth Sand			2605 ^{2506?}	2550	
Sand			2550	2640	
Fifth Sand			2640	2670	
Sand & Shale			2670	3346	
<u>Speechly</u>			3346	3358	Gas Ck @ 3507', 10/10 - 2" w/H ₂
Sand & Shale			3358	3507 TD	

(Attach separate sheets as necessary)

J & J Enterprise Inc. %

Berry Energy Consultants & Mgrs.

Well Operator

By: David Berry

Date: V.P. PRODUCTION

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."