

WELL REFERENCES:

S10-00W, 104' TO 12" FORKED ELM
S25-00E, 109' TO 6" POPLAR

LATITUDE 39-10-00
SCALED COOR.:
4205' SOUTH
1555' WEST

LONGITUDE 80-40-00

WOODRUFF

809
29

STELLA SEVERIN

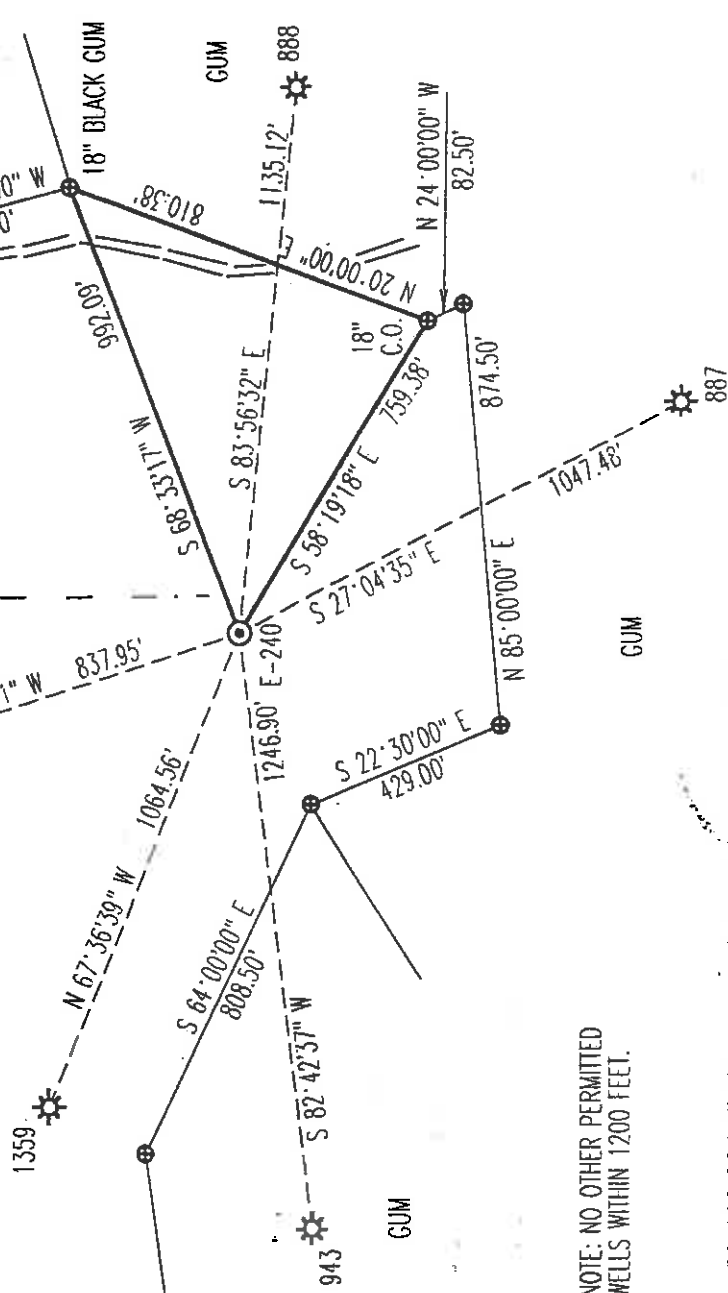
108 AC. ±

NAD 27:

39-09-18.26
80-40-19.02

WOODRUFF

NORTH



NOTE: NO OTHER PERMITTED
WELLS WITHIN 1200 FEET.

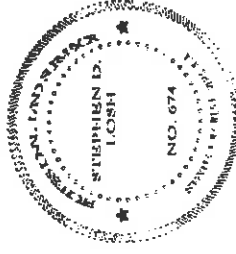
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NUMBER: _____
DRAWING NUMBER: EXCE240.PCS
SCALE: 1" = 400'
MINIMUM DEGREE OF ACCURACY: 1 IN 200
PROVEN SOURCE OF ELEVATION: DGPS SURVEY 09/08/99
SUBMITTER SYSTEM: _____

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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 ENERGY.

(SIGNED)

STEPHEN D. LOSH, P.S. #674



PLACE SEAL HERE

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
110 McJUNKIN ROAD
NHRD, WV 25143-2506

LAND SURVEYING SERVICES
21 CEDAR LANE, BRIDGEPORT, WV 26330
PHONE: 304-842-2018 OR 842-5762

DATE: SEPTEMBER 10, 1999
OPERATORS WELL NO.: E-240 (SEVERIN 16)
API WELL NO.:

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS") PRODUCTION STORAGE _____ DEEP _____ SHALLOW

47 -- 017 -- 04637
STATE COUNTY PERMIT

LOCATION: ELEVATION 1197.80' WATERSHED BRUSHY FORK
DISTRICT NEW MILION COUNTY IODDRIDGE

QUADRANGLE NEW MILION LEASE NUMBER

SURFACE OWNER GEORGE A. CASTILLO ACREAGE 108.56

OIL & GAS ROYALTY OWNER STELLA SEVERIN LEASE ACREAGE 108

PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULANT _____ PLUG OFF OLD FORMATION _____
PERFORM NEW FORMATION _____ OTHER PHYSICAL CHANGE (SPECIFY) _____

TARGET FORMATION FIFTH SAND PLUG & ABANDON _____ CLEAN OUT & REPLUG _____
ESTIMATED DUPH 5400'

WELL OPERATOR EXCEL ENERGY, INC. DESIGNATED AGENT HARRY BARNETT
ADDRESS P. O. BOX 1020 BRIDGEPORT, WV 26330 ADDRESS P. O. BOX 1020 BRIDGEPORT, WV 26330

COUNTY NAME

PERMIT

Dood

4637

6-6 807

SFP 7 2001

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Permitted
Well Operator's Report of Well Work

Well Operator's Report of Well Work

Farm Name: Castillow, George A. Operator Well No: Severin #6 E-240
LOCATION: Elevation: 1,197.80' Quadrangle: New Milton

District: New Milton County: Doddridge
Latitude: 4,205' Feet South of 39 Deg. 10 Min. 00 Sec.
Longitude: 1,555' Feet West of 80 Deg. 40 Min. 00 Sec.

Company: **EXCEL ENERGY, INC.**

Address:	PO Box 1020	Casing & Tubing	Used in Drilling	Left in Hole	Cement fill Up Cu. Ft.
Agent:	Bridgeport, WV 26330	9 5/8"	220.5	220.5	
Inspector:	H.L. Barnett	7"	2246.45'	2246.45'	
Date Permit Issued:	09/04/2001				
Date Well Work Commenced:	11/15/2001				
Date Well Work Completed:	12/04/2001				
Verbal Plugging:					
Date Permission granted on:					
Rotary X Cable Rig					
Total Depth (feet):	5720'				
Fresh Water Depth (ft.):	N/A				
Salt Water Depth (ft.):	N/A				
Is coal being mined in area (N/Y)?	N				
Coal Depths (ft.):	860' & 1270'				

RECEIVED
 Office of Oil & Gas
 Permitting
MAR 08 2002
 WV-Department of
 Environmental Protection

OPEN FLOW DATA

Producing formation	<u>Injun</u>	MCF/d	Oil:	Pay zone depth (ft)	<u>2402' - 2420'</u>
Gas: Initial open flow			Initial open flow		
Final open flow	<u>230</u>	MCF/d	Final open flow		
Time of open flow between initial and final tests				<u>0</u>	Hours
Static Rock Pressure	<u>300</u>		psig (surface pressure) after	<u>24</u>	Hours
Second producing formation			Pay zone depth (ft)		
Gas: Initial open flow		MCF/d	Oil: Initial open flow		Bbl/d
Final open flow		MCF/d	Final open flow		Bbl/d
Time of open flow between initial and final tests					Hours
Static Rock Pressure			psig (surface pressure) after		Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1.) DETAILS OF PERFORATED INTERVALS, FRACTURING, OR STIMULATING, PHYSICAL CHANGE, FTC. 2). THE WELL LOG WHICH IS A SYTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELL BORE.

Signed: Sara Aman
By: Sara Aman, Vice President
Date: January 21, 2002

0000 4637

MAR 29 2002

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

STAGE I Injun (2406' - 2413') 10 holes. Used 550 bbl H2O, 79,000 SCF/N2 and 30,000# 20/40 sand.

STAGE II

STAGE III

STAGE IV

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal oil and gas
Brown Dirt			0	70	
Red Rock/Line Stone/ Sand Stone			70	230	
Sand & Shale			230	525	
Red Rock/Sand			525	680	
Shale & Sand			680	860	
Coal			860	868	
Sand & Shale			868	1270	
Coal			1270	1275	
Sand & Shale			1275	2070	
Red Rock			2070	2135	
Sand & Shale			2135	2218	
Little Lime			2218	2233	
Shale			2233	2263	
Big Lime			2263	2314	
Shale & Sand			2314	3035	
Fourth Sand			3035	3040	
Sand & Shale			3040	3080	
Fifth Sand			3080	3092	
Sand & Shale			3092	5720'	TD