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`	RR SPIKE	LATITUD	E 39-40-00
		Ž.	SCALED COOR.:
	LITTLE		14,700' SOUTH
LITTLE . à / sà	\ \\ \\\	i	1,635¹ WEST
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		NAD 27 V	VV NORTH SPC:
$\omega$			W NORTH SPC: 311,925.74' 705,131.42'
N6°48'22"E		1,	01
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4. A S.			
	1/1/98		
	////	HOST	TUTLER
E-244	363.21	<i>:</i>	
	N 86°12'58" W		
R. H. RUSH & SUSAN K. DEBOLT			
15.24 AC. +-	`	HICK.	
	D. L. WAI 2.76 AC. +	DE \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
	7. 6. 2.76 AC. +		p.
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E-244 2400'		J.7	9
2400		<i>d</i> - 7	31 / [
O 1803 1812 \$\frac{1471'}{1471'}		N 77°08'04 294.80	
1449'	WELL REFERENCES:		
	N22-00W, 196.00' TO 14" II S65-00E, 121.50' TO POWE		NAD 27:
(+) DENOTES LOCATION OF WELL ON UNITE	· · · · · · · · · · · · · · · · · · ·	N TOLE	39-37-34.53 80-32-48.71
FILE NUMBER: EXCRUSII1.PCS	I THE UNDERSIGNED, HEREBY CERTIFY THAT	THIS PLAT IS CORRECT	A Committee Million
SCALE:	TO THE BEST OF MY KNOWLEDGE AND BELIEF INFORMATION REQUIRED BY LAW AND THE R	FAND SHOWS ALL THE EGULATIONS ISSUED AND	
MINIMUM DEGREE OF ACCURACY: 1 IN 200	PRESCRIBED BY THE DEPARTMENT OF ENERG	Υ.	* ***
PROVEN SOURCE OF ELEVATION: DGPS SURVEY 11/29/00			Here is a second of the second
SUBMETER SYSTEM	(SIGNED) STEPHEN D. LOSH, 1	DS 4671	THING CALLES
STATE OF WEST VIRGINIA	LAND SURVEYING SERVICES	DATE: NOVEN	PLACE SEAL HERE
DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS	21 CEDAR I.ANE, BRIDGEPORT, WV 26330 PHONE: 304-842-2018 OR 842-5762	OPERATORS WELL NO	
FORM WW-6 #10 MCJUNKIN ROAD NITRO, WV 25143-2506	1100021 307 012 2010 011072 3702	API WELL NO.	
WELL TYPEOIL GAS X LIQUID INJECT		$\frac{47}{\text{STATE}} - \frac{103}{\text{COUNTY}} -$	
	TORAGE DEEP SHALLOW X	STATE COUNTY	PERMIT
LOCATION: ELEVATION 1114.35' WATE DISTRICT CENTER	COUNTY	WETZEL	
QUADRANGLE	LITTLETON	LEASE NUMBER	СО
SURFACE OWNER RONALD H. I			
PROPOSED WORK DRILL X CONVERT_		LEASE ACREAG	E 15 YNAM
PERFORATE NEW FORMAT	TION OTHER PHYSICAL CHANGE (SPECI	FY)PLUG	OFF OLD FORMATION_ 6
TARCET FORMATION DAVA		PLUG & ABANDON CL	EAN OUT & REPLUG
TARGET FORMATION BAYA WELL OPERATOR EXCEL EN	SPOV INC	ESTIMATED DEPTH	ARRY BARNETT
ADDRESS P. O. BOX 1020 BRIDGEPO	DEG	IGNATED AGENT <u>ILA</u> . BOX 1020 BRIDGEPO	KKI DAKSETI
			FEB 0 2 200

6.6 45

State of West Virginia
Division of Environmental Protection

DATE: API#:

May 7, 2001 47-103-01819

# Section of Oil and Gas

		Well O	perator's I	Report of	Well Wo	rk			Cilica of Cilia Gas
Farm Name:	Rush, Ronald	& S. DeBolt	-	_ Opera	tor Well 1	No: Rus	sh E-244		Comments of the Comments of th
LOCATION:	Elevation:	1,114.35'		_ Quadr	angle:	Littleto	n		MAY 0 8 2001
District:	Center			Count	y: Wet	zel		Ĺ	Fig. Livision of Environmental Protection
Latitude:	14,700'	Feet South of	39	Deg.	40	Min.	00	Sec.	100
Longitude	1,635'	Feet West of	80	Deg.	32	Min.	30	Sec.	

Tubing   Drilling   Hole   Up Cn	Longitude: 1,635'	Feet West of _	80	Deg.	32	Min.	30 Se	ec.
Casing & Used in Drilling								
Tubing	Company: EXCEL ENERG	GY, INC.						
Address: PO Box 1020   Bridgeport, WV 26330   9 5/8"   210'   210'   To Surfax Agent: H.L. Barnett   7"   2,074'   2,074'   70 Surfax Inspector: Randal Mick   4 ½"   3,409'   3,409'   3,409'   2,074'   2,074'   70 Surfax Inspector: Randal Mick   4 ½"   3,409'   3,409'   3,409'   2,074'   2,074'   70 Surfax Inspector: Randal Mick   4 ½"   3,409'   3,409'   3,409'   2,000					Used in	L	Left in	Cement fill
Bridgeport, WV 26330			Tubi	ing	Drilling	<u> </u>	Hole	Up Cu. Ft.
Agent:   H.L. Barnett   7"   2,074'   2,074'   70 Surfal Inspector:   Randal Mick   4 ½"   3,409'   3,409'   3,409'   3,409' -2, Date Permit Issued:   01/30/2001								
A		26330					210'	To Surface
Date Permit Issued: 01/30/2001 Date Well Work Commenced: 02/27/2001 Date Well Work Completed: 03/09/2001 Verbal Plugging: Date Permission granted on: Rotary X Cable Rig Total Depth (feet): 3,470' Fresh Water Depth (ft.): 30' Salt Water Depth (ft.): 1,635' & 1,653'  Is coal being mined in area (N/Y)? N Coal Depths (ft.): 385',525',760',830', 865' & 1,585'  OPEN FLOW DATA  Comingled Producing formation Bayard, Gordon, 30',50' & Injun Final open flow Final open flow Final open flow Show MCF/d Time of open flow between initial and final tests Static Rock Pressure  Gas: Initial open flow Second producing formation Second producing formation Gas: Initial open flow Final open flow Final open flow Show MCF/d Time of open flow between initial and final tests Second producing formation Gas: Initial open flow Final open flow Fina			1. <u> </u>	-				To Surface
Date Well Work Commenced: 02/27/2001 Date Well Work Completed: 03/09/2001 Verbal Plugging: Date Permission granted on: Rotary X Cable Rig Total Depth (feet): 3,470' Fresh Water Depth (ft.): 30' Salt Water Depth (ft.): 1,635' & 1,653'  Is coal being mined in area (N/Y)? N Coal Depths (ft.): 385',525',760',830', 865' & 1,585'  OO OPEN FLOW DATA  Comingled Producing formation Bayard, Gordon, 30',50' & Injun Pay zone depth (ft) Final open flow Show MCF/d Oil: Initial open flow Final open flow Final open flow Final open flow Time of open flow between initial and final tests Static Rock Pressure 625 psig (surface pressure) after 20 Hour Second producing formation — Pay zone depth (ft) —  Sec			4 1/2"		3,4	109'	3,409'	3,409'-2,000'
Date Well Work Completed: 03/09/2001  Verbal Plugging:  Date Permission granted on:  Rotary X Cable Rig  Total Depth (feet): 3,470'  Fresh Water Depth (ft.): 30'  Salt Water Depth (ft.): 1,635' & 1,653'  Ils coal being mined in area (N/Y)? N  Coal Depths (ft.): 385',525',760',830', 865' & 1,585'  OO  OPEN FLOW DATA  Comingled  Producing formation Bayard, Gordon, 30',50' & Injun Pay zone depth (ft)  Final open flow Show MCF/d Oil: Initial open flow Final open flow Final open flow Bibl/c Time of open flow between initial and final tests  Static Rock Pressure 625 psig (surface pressure) after 20 Hour Second producing formation — Pay zone depth (ft) —  Second producing formation — Pay zone depth (ft) —  Second producing formation — Pay zone depth (ft) —  Second producing formation — Pay zone depth (ft) —  Second producing formation — Pay zone depth (ft) —  Second producing formation — Pay zone depth (ft) —  Second producing formation — Pay zone depth (ft) —  Second producing formation — Pay zone depth (ft) —  Second producing formation — Pay zone depth (ft) —  Second producing formation — Pay zone depth (ft) —  Gas: Initial open flow — MCF/d Final open flow — Bbl/c Fi								
Verbal Plugging:   Date Permission granted on:   Rotary X Cable Rig   Total Depth (feet):   3,470°								
Date Permission granted on:   Rotary X Cable   Rig		03/09/2001						
Rotary X Cable   Rig								
Total Depth (feet):								
Salt Water Depth (ft.): 1,635' & 1,653'  Is coal being mined in area (N/Y)? N  Coal Depths (ft.): 385',525',760',830', 865' & 1,585'  OO  OPEN FLOW DATA  Comingled  Producing formation  Bayard, Gordon, 30',50' & Injun  Final open flow  Final open flow  Final open flow  Time of open flow between initial and final tests  Static Rock Pressure  Comingled  Show  MCF/d  Time of open flow  Final open flow  Show  MCF/d  Time of open flow  Final open flow  Final open flow  Final open flow  MCF/d  Time of open flow  MCF/d  Final open flow  Final open flow  Final open flow  Final open flow  MCF/d  Final open flow  Final o								
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Coal Depths (ft.):   385',525',760',830',   865' & 1,585'	Salt Water Depth (ft.): 1	,635' & 1,653'						
Coal Depths (ft.): 385',525',760',830', 865' & 1,585'  OPEN FLOW DATA  Comingled  Producing formation  Bayard, Gordon, 30',50' & Injun  Pay zone depth (ft)  Final open flow  Final open flow  Time of open flow between initial and final tests  Static Rock Pressure  Second producing formation  Gas: Initial open flow  Final open flow  Final open flow  Final open flow  MCF/d  Final open flow  Pay zone depth (ft)  Pay zone depth (ft)  Final open flow  Bbl/c  Final open flow  Final open flow  MCF/d  Final open flow  Final open flow  MCF/d  Final open flow  Final open flow  Final open flow  MCF/d  Final open flow  Fina								
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Time of open flow between initial and final tests  Static Rock Pressure  625  Second producing formation  Gas: Initial open flow  Final open flow  Time of open flow between initial and final tests  MCF/d  Time of open flow between initial and final tests  Table 1. Pay zone depth (ft)  Pay zone depth (ft)  Pay zone depth (ft)  Bbl/d  Final open flow  Time of open flow between initial and final tests  Hour								Bbl/d
Static Rock Pressure 625 psig (surface pressure) after 20 Hour  Second producing formation — Pay zone depth (ft) — Bbl/d  Final open flow — MCF/d Final open flow — Bbl/d  Time of open flow between initial and final tests — Hour					Final open	flow		Bbl/d
Second producing formation —— Pay zone depth (ft) —— Bbl/d Final open flow —— MCF/d Final open flow —— Bbl/d Time of open flow between initial and final tests —— Hour			inal tests					72 Hours
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Time of open flow between initial and final tests  Hour								Bbl/d
Cardia Daul David					Final open	flow		Bbl/d
Static Rock Pressure psig (surface pressure) after Hour		een initial and fi	nal tests					Hours
	Static Rock Pressure			psig	(surface pre	ssure) at	fter -	Hours
NOTE: ON BACK OF THIS FORM PUT THE FOLLOING: 1.) DETAILS OF PERFORATED					<del>-</del>	•		

INTERVALS, FRACTURING, OR STIMULATING, PHYSICAL CHANGE. FTC. 2). THE WELL LOG WHICH IS A SYNTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELL BORE.

Signed:

By: H.L. Barnett, President
Date: May 7, 2001

MAY 18 2001

### FORM WR-35

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

STAGE I	Bayard	3,167'-3,290' ( 8 shots) Fraced w/420 bbls H20, 30,000# sand and 58,500 SCF N2.
STAGE II	Gordon	2,931'-3,050' (11 shots) Fraced w/490 bbls H20, 30,000# sand and 35,500 SCF N2.
STAGE III	30', 50'	2,691'-2,861' (11 shots) Fraced w/425 bbls H20, 29,000# sand and 36,000 SCF N2.
STAGE IV	Injun	2,284'-2,339' ( 8 shots) Fraced w/450 bbls H20 and 20,000# sand. (No. SCF N2).

#### WELL LOG

	OLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal oil and gas
Soil & Sand			0	20	
Sand & Shale			20	385	Fresh Water @ 30'
Coal			385	388	
Red Rock & Shale			388	470	•
Sand & Shale			470	525	
Coal			525	527	
Sand & Shale			527	760	
Coal			760	764	
Sand & Shale			764	830	
Coal			830	834	
Sand & Shale			834	865	
Coal			865	871	
Sand & Shale			871	1585	
Coal			1585	1587	
Sand & Shale			1587	3470	Salt Water @ 1,635' & 1,653'
				3470	TD
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