

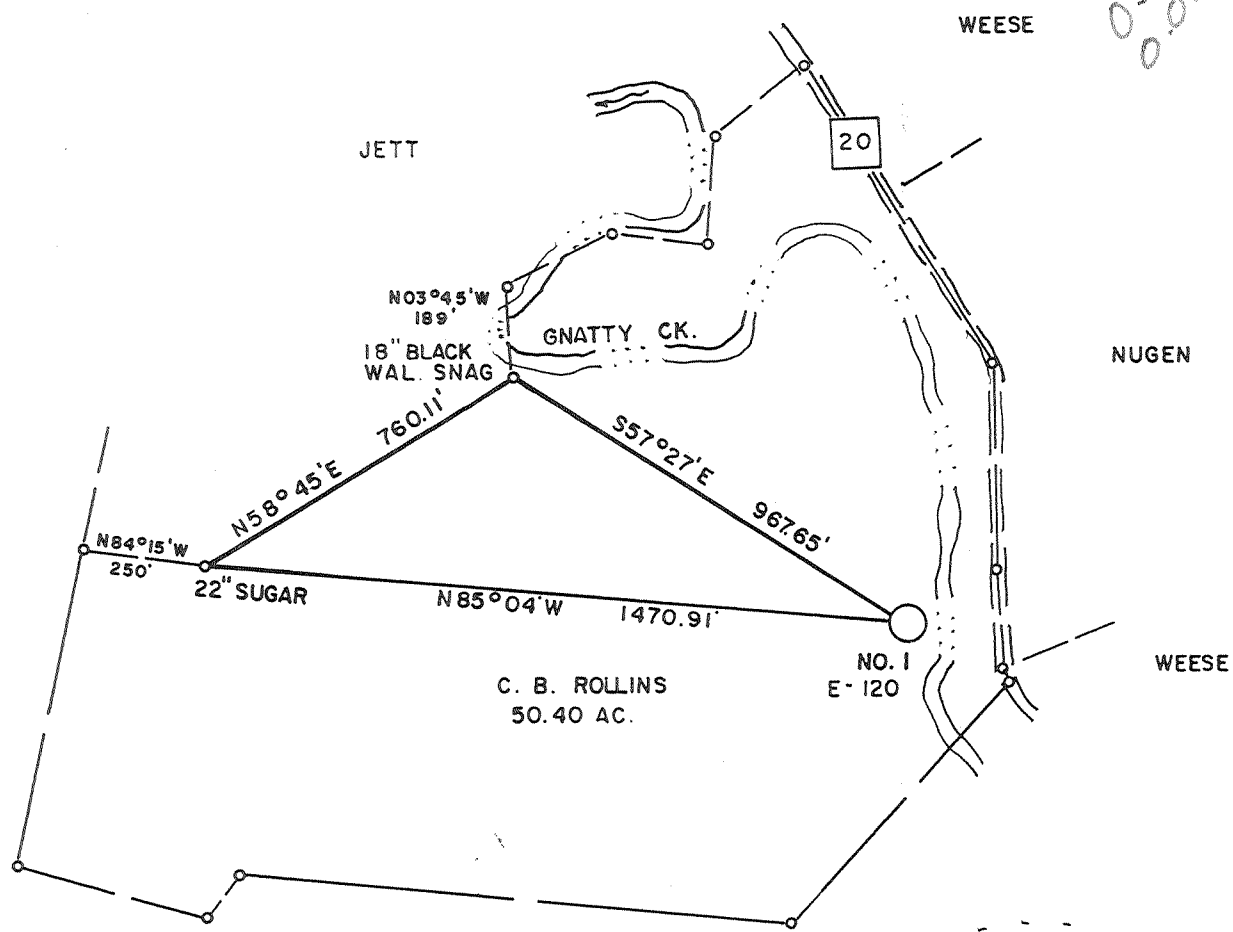
WELL REFERENCES:
 N24°15'E, 153' TO 10" ELM
 S48°E, 92.50' TO 6" BOX ELDER

Janie 5/30/90

LATITUDE 39°10'00"

125'

*0.565
0.02W*

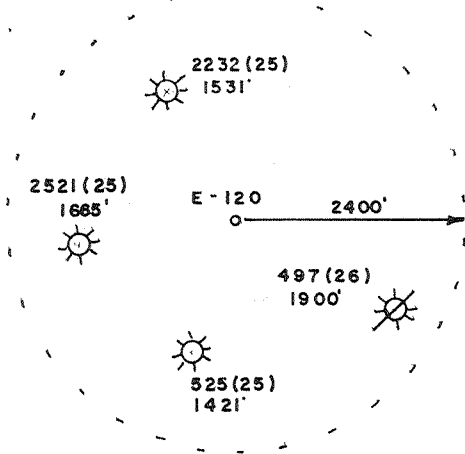


NORTH

LONGITUDE
80°51'08"

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

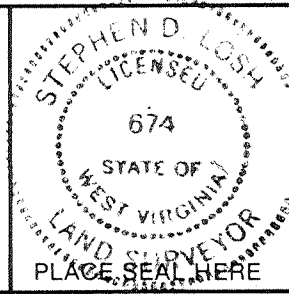
*15' loc
0.565
0.02W*



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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION EXIST. WELL 2232
 ELEV. - 1035'

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 ENERGY.
 (SIGNED) *[Signature]*
 R.P.E. _____ L.L.S. 674
 STEPHEN D. LOSH



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE MAY 08, 19 90
 OPERATOR'S WELL NO. E-120
 API WELL NO. 47-033-3718
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1033' WATER SHED GNATTY CREEK
 DISTRICT ELK 5 COUNTY HARRISON
 QUADRANGLE MOUNT CLARE 7.5 min. *Westby 15' 50'*
 SURFACE OWNER CLEO B. ROLLINS ACREAGE 50.40
 OIL & GAS ROYALTY OWNER CLEO B. ROLLINS LEASE ACREAGE 50.40
 LEASE NO. _____

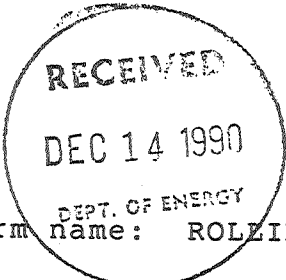
PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION BENSON ESTIMATED DEPTH 4450'
 WELL OPERATOR EXCEL ENERGY, INC. DESIGNATED AGENT HARRY BARNETT
 ADDRESS P.O. BOX 1020 ADDRESS P.O. BOX 1020
 BRIDGEPORT, WV 26330 BRIDGEPORT, WV 26330

JUN 11 1990

COUNTY NAME
PERMIT

FORM WW-6



State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: ROLZINS, CLEO P. Operator Well No.: 1-E-120

LOCATION: Elevation: 1033.00 Quadrangle: MOUNT CLARE

District: ELK County: HARRISON
Latitude: 3060 Feet South of 39 Deg. 10Min. 0 Sec.
Longitude 125 Feet West of 80 Deg. 15 Min. 0 Sec.

Company: EXCEL ENERGY, INC
P. O. BOX 1020
BRIDGEPORT, WV 26330-1020

Agent: HARRY L. BARNETT

Inspector: STEVE CASEY
Permit Issued: 05/29/90
Well work Commenced: 11/16/90
Well work Completed: 11/26/90
Verbal Plugging _____
Permission granted on: _____
Rotary x Cable _____ Rig _____
Total Depth (feet) 4382
Fresh water depths (ft) 13, 25,
and 290
Salt water depths (ft) N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
16"	20'	20'	-----
11 3/4"	48'	48'	-----
8 5/8"	1103'	1103'	260 sks
4 1/2"	4326'	4326'	460 sks

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 151-156, 306-310

OPEN FLOW DATA

Benson, Bradford,
Producing formation Speechley & 5th Sand Pay zone depth (ft) 2260-4240
Gas: Initial open flow show MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 587 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 750 psig (surface pressure) after 24 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, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: EXCEL ENERGY, INC

By: H.L. Barnett
Date: November 13, 1990

DEC 21 1990

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

Stage I (4220'^{Ben}-4240') 12 holes, 450 sks sand, 750 gal HCL, 700 bbl 75 Q foam.
 Stage II (3414'^{Grad}-3486') 11 holes, 250 sks sand, 500 gal HCL, 600 bbl 75 Q foam.
 Stage III (2842'^{Sech}-2944') 12 holes, 250 sks sand, 500 gal HCL, 500 bbl 75 Q foam.
 Stage IV (2230'^{sv}-2309') 13 holes, 300 sks sand, 500 gal HCL, 500 bbl 75 Q foam.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Fill			0	13	2" stream water @ 13'
Sand & Shale			13	151	3" stream water @ 25'
Coal			151	156	
Sand & Shale			156	306	2" stream water @ 290'
Coal			306	310	
Sand & Shale			310	1332	
Big Lime			1332	1392	
Big Injun			1392	1524	
Shale			1524	1747	
Sand & Shale			1747	2243	
Fifth Snad			2243	2314	Gas Show
Shale			2314	4212	
Benson			4212	4221	Gas Show
Shale			4221	4382	DTD

25701

RECEIVED

MAY 23 1990

033-3718
Issued 05/29/90

FORM WW-2B

DEPT. OF ENERGY STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

Page 05/29/92 of expres

- 1) Well Operator: Excel Energy, Inc. 14570 (5) 487
- 2) Operator's Well Number: Rollins E-120 3) Elevation: 1033'
- 4) Well type: (a) Oil / or Gas X /
(b) If Gas: Production X / Underground Storage /
Deep / Shallow X /
- 5) Proposed Target Formation(s): Benson
- 6) Proposed Total Depth: 4450 feet
- 7) Approximate fresh water strata depths: 12', 34', 962'
- 8) Approximate salt water depths: N/A
- 9) Approximate coal seam depths: 710 431'-435', 566'-571'
- 10) Does land contain coal seams tributary to active mine? Yes / No X /
1024'-1026'
- 11) Proposed Well Work: Drill & Construct New Well
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4"		42	30'		
Fresh Water						
Coal						
Intermediate	8 5/8"		20	1000'	1000'	250 sks
Production	4 1/2"	J-55	10.5	4420'	4420'	200 sks
Tubing						
Liners						

Handwritten notes:
38CSA 11-3
38CSA 11-2
38CSA 11-1

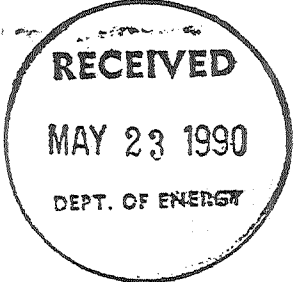
PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP

Plat WW-9 WW-2B Bond 50 Agent

1201
13



Page 1 of /
Form WW2-A
(09/87)
File Copy

1) Date: May 21, 1990
2) Operator's well number
Rollins E-120
3) API Well No: 47 - 033 - 3718
State - County - Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name Cleo P. Rollins
Address Rt. 2, Box 183
Lost Creek, WV 26385
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Stephen Casey
Address Rt. 2, Box 232-D
Jane Lew, WV 26378
Telephone (304)- 745-4888

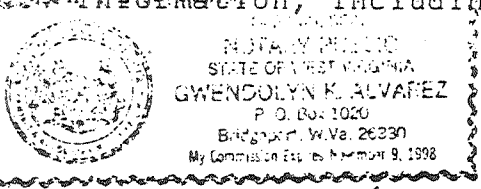
5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name N/A
Address _____
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:
XX Personal Service (~~Attkisson v. Attkisson~~) (Waiver attached)
_____ Certified Mail (Postmarked postal receipt attached)
_____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.
I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



Well Operator Excel Energy, Inc.
By: H.L. Barnett
Its: President
Address P.O. Box 1020
Bridgeport, WV 26330
Telephone (304) 842-6927

Subscribed and sworn before me this 21st day of May, 19 90
Gwendolyn K. Alvarez Notary Public
My commission expires November 9, 1998