

*Janie
7/6/92*

WELL REFERENCES:
N45°E, 111.50' TO 4\"/>

NOTE: NO WELLS
WITHIN 1200 FEET.

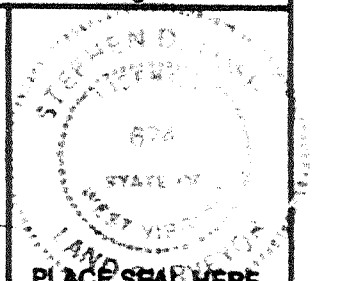
D. S. MORGAN ESTATE
315.49 AC.

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

(+) 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 TOP OF KNOB 1550' S.
OF LOCATION ELEV. - 1271'

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 JUNE 18, 1992
OPERATOR'S WELL NO. E-207 (REV.)
API WELL NO. _____ MORGAN NO. 1

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

LOCATION: ELEVATION 986' WATER SHED BOOTH'S CREEK
DISTRICT GRANT COUNTY MARION
QUADRANGLE FAIRMONT WEST 7.5 min. Fairmont 15' NW

SURFACE OWNER JOE DE FAZIO ACREAGE 315.49
OIL & GAS ROYALTY OWNER DAVID S. MORGAN ESTATE LEASE ACREAGE 315.49
LEASE NO. _____

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 INJUN - 5TH SAND ESTIMATED DEPTH 2700'
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

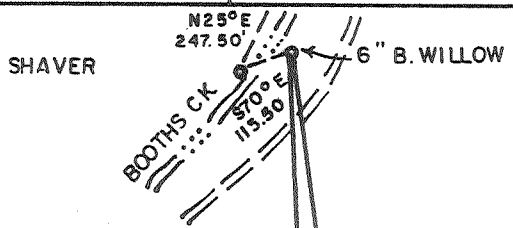
JUL 13 1992

COUNTY NAME
PERMIT

6-6 Farmington

Excel
4/10/92

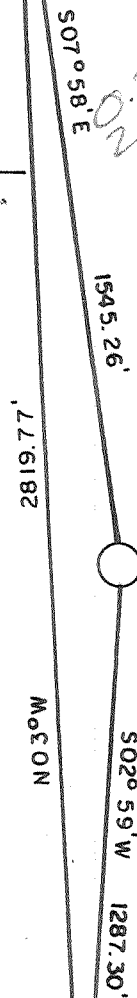
10,550' LATITUDE 39° 27' 30"



WELL REFERENCES:
S39°W, 126' TO 14" LOCUST
N44°W, 166' TO 14" B. WALNUT

NOTE: NO WELLS WITHIN 2400 FEET.

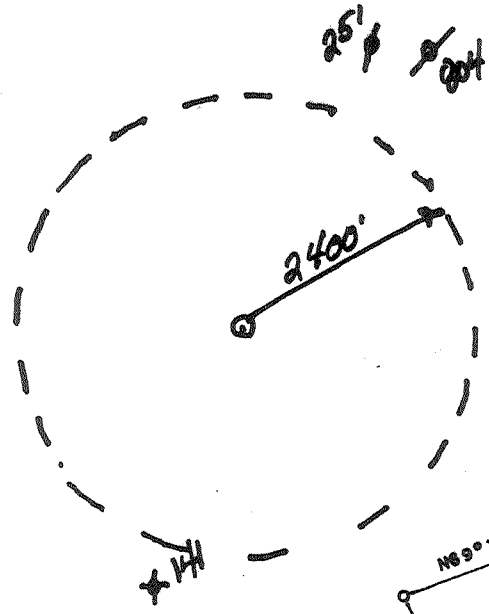
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2.00



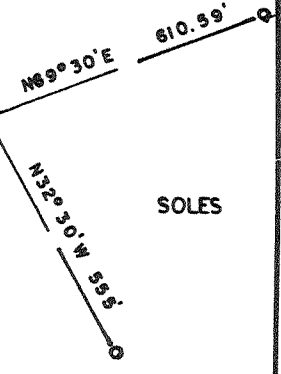
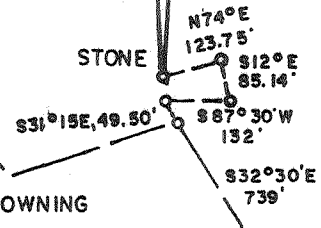
D. S. MORGAN ESTATE
315.49 AC.

WOLFE

(NO. 1)
E-207



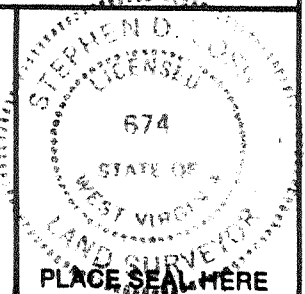
LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018



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

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DRAWING NO. _____
SCALE 1" = 400'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION TOP OF KNOB 1550' S.
OF LOCATION ELEV. - 1271'

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) _____
R.P.E. _____ L.L.S. 674
STEPHEN D. LOSH



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE MARCH 11, 19 92
OPERATOR'S WELL NO. E-207
API WELL NO. MORGAN NO. 1
47-049-0970
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 961' WATERSHED BOOTH'S CREEK
DISTRICT GRANT COUNTY MARION
QUADRANGLE FAIRMONT WEST 7.5 min. NW

SURFACE OWNER: JOE DE FAZIO ACREAGE 315.49
OIL & GAS ROYALTY OWNER DAVID S. MORGAN ESTATE LEASE ACREAGE 315.49

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

PLUG AND ABANDON ___ CLEAN OUT AND RE-PLUG ___
TARGET FORMATION INJUN - 5 TH SAND ESTIMATED DEPTH 4000'
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

APR 20 1992

COUNTY NAME PERMIT

REC

API # 47- 49-00970

WV D
Environment

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

Reviewed TM6

11 10

Recorded _____

Well Operator's Report of Well Work

Farm name: DeFAZIO, JOE Operator Well No.: MORGAN #1 E-207

LOCATION: Elevation: 986.00 Quadrangle: FAIRMONT WEST

District: GRANT County: MARION
Latitude: 4120 Feet South of 39 Deg. 27Min. 30 Sec.
Longitude 10470 Feet West of 80 Deg. 10 Min. 0 Sec.

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

Agent: HARRY L. BARNETT

Inspector: RANDAL MICK
Permit Issued: 07/06/92
Well work Commenced: 06/22/92
Well work Completed: 06/28/92
Verbal Plugging
Permission granted on: _____
Rotary Cable _____ Rig
Total Depth (feet) 3710'
Fresh water depths (ft) 77', 555',
and 1160'
Salt water depths (ft) N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
9 5/8"	Conductor	-----	-----
7"	1298'	1298'	270 sks
4 1/2"	3693'	3693'	270 sks

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 83'-88', 561'-563',
818'-823', and 962'-966'

OPEN FLOW DATA

Balltown, Speechley,
Producing formation and Elizabeth Pay zone depth (ft) 3086-3688
Gas: Initial open flow ---- MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 231 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 700 psig (surface pressure) after 24 Hours

5TH, 4TH, Gordon
Second producing formation 50' and Injun Pay zone depth (ft) 1640-2608
Gas: Initial open flow ---- MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow Commingled MCF/d Final open flow N/A 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: Brad Thomas Brad Thomas, Geologist
Date: July 9, 1992

201 24 100

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

STAGE I (3086'-3688') 15 holes, 750 gal 15% HCL, 300 sks sand, 373 BBL
H₂O, 60 MCF N₂.

STAGE II (2475'-2608') 16 holes, 500 gal 15% HCL, 300 sks sand, 396 BBL
H₂O, 60 MCF N₂.

STAGE III (2097'-2250') 15 holes, 750 gal 15% HCL, 350 sks sand, 360 BBL
H₂O, 60 MCF N₂.

STAGE IV (1640'-1718') 15 holes, 1000 gal 15% HCL, 420 sks sand, 442 BBL
H₂O, 60 MCF N₂.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand and Shale			0	83	damp @ 77'
Coal			83	88	
Sand and Shale			88	561	
Coal			561	563	1/4" H ₂ O @ 555'
Sand and Shale			563	818	
Coal			818	823	
Sand and Shale			823	962	
Coal			962	966	
Sand and Shale			966	1011	
Sand			1011	1191	1" H ₂ O @ 1160'
Sand and Shale			1191	1380	
Little Lime			1380	1437	
Shale			1437	1502	
Big Lime			1502	1551	
Big Injun			1551	1661	
Shale			1661	2071	
Sand			2071	2151	
Sand and Shale			2151	2410	
Sand			2410	2478	
Sand and Shale			2478	2573	
Fifth Sands			2573	2621	
Shale			2621	3190	
Speechley			3190	3200	Gas Show
Shale			3200	3510	
Balltown			3510	3550	Gas Show
Shale			3550	3710	DTD 433

13th

049-0970

Issued 4/13/92

Page of

Expires 4/13/94

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

- 1) Well Operator: 1028 Excel Energy, Inc. 16570 (2) 343
- 2) Operator's Well Number: E-207 3) Elevation: 961'
- 4) Well type: (a) Oil or Gas
(b) If Gas: Production Underground Storage
Deep Shallow
- 5) Proposed Target Formation(s): 422 Injun, 5th Sand
- 6) Proposed Total Depth: 4,000 feet 315'
- 7) Approximate fresh water strata depths: 30, 170, 80'
- 8) Approximate salt water depths: n/a
- 9) Approximate coal seam depths: 30, 35 (potential open mine) 800-803
- 10) Does land contain coal seams tributary to active mine? Yes No
80'-82' 520'-525'
- 11) Proposed Well Work:
DRILL AND STIMULATE A NEW WELL
- 12)

RECEIVED

WV Division of Environmental Protection

MAR 27 92

Permitting Office of Oil & Gas

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	13 3/8"			25'	--	--
Fresh Water						38CS918 11.3
Coal	9 5/8"	(IF open mine encountered)		80	80	38CS918 11.2
Intermediate	7"		17#	1300	1300	cts
Production	4 1/2"	J-55	10.5#	3700	3700	270 sks
Tubing						38CS918 11.1
Liners						

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 Sumatra Clay Agent
(Type)

RECEIVED

WV Division of
Environmental Protection

MAR 27 92

Permitting
Office of Oil & Gas

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

1) Date: March 26, 1992
2) Operator's well number
E-207 Morgan #1
3) API Well No: 47 - 049 - 0970
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 Joe DeFazio
Address PO Box 9143
Monongah, WV 26555-9143

(b) Name _____
Address _____

(c) Name _____
Address _____

5) (a) Coal Operator:
Name _____
Address _____

(b) Coal Owner(s) with Declaration
Name No Declaration of Record
Address _____

Name _____
Address _____

6) Inspector Phillip Tracy
Address Rt. 2, Box 37-A
Montrose, WV 26283
Telephone (304)- 636-8798

(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:

- _____ Personal Service (Affidavit attached)
- X 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 POBox 1020, Bridgeport, WV 26330

Telephone (304) 842-6927
Subscribed and sworn before me this 26th day of March, 1992

Cathy A. Ball Notary Public
My commission expires 3/21/94