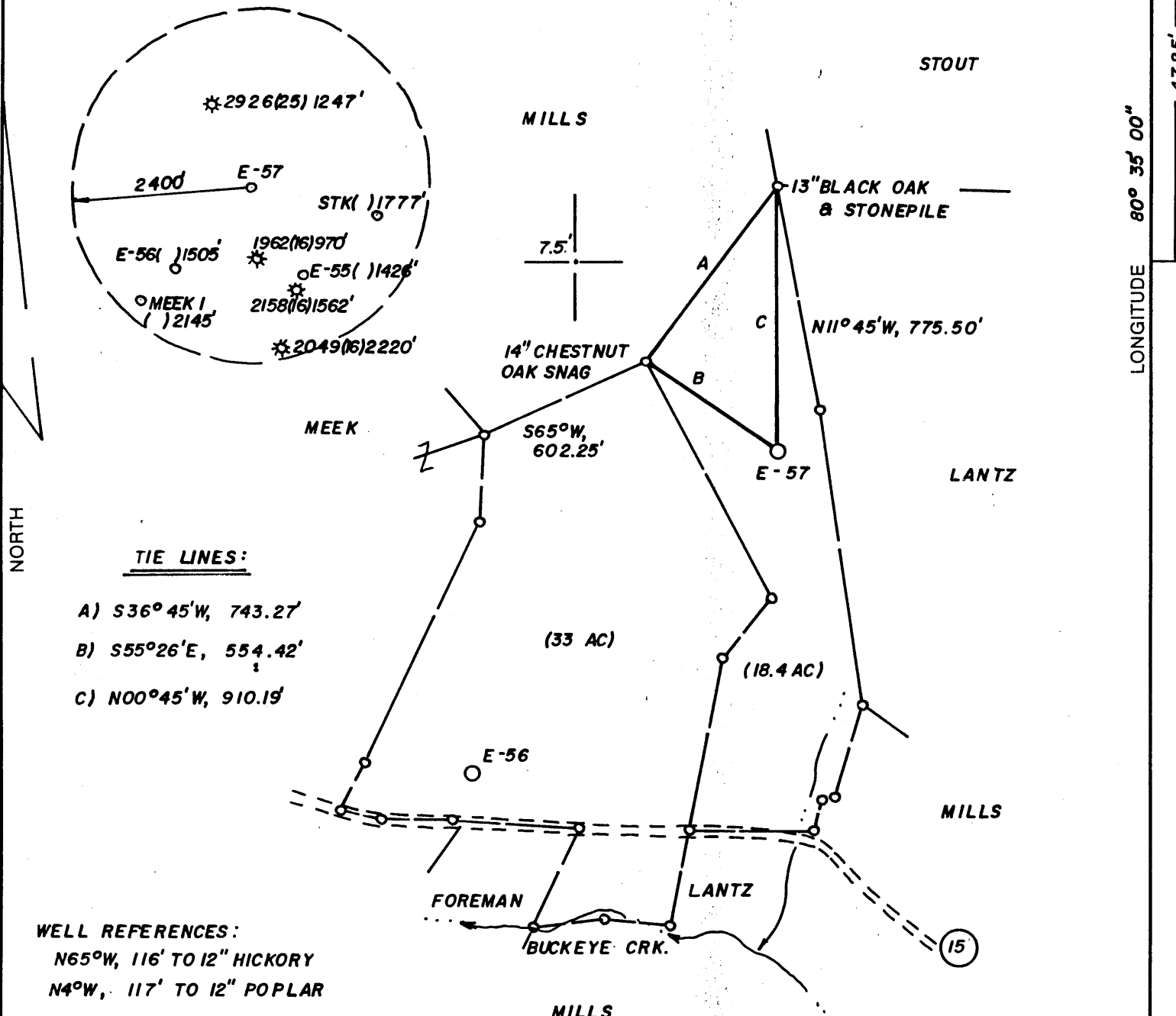


Janice 7/7/88

7925' LATITUDE 39° 15' 00"

LONGITUDE 80° 35' 00" 4785'



TIE LINES:

- A) S36°45'W, 743.27'
- B) S55°26'E, 554.42'
- C) N00°45'W, 910.19'

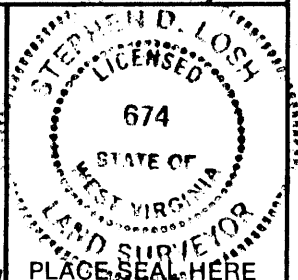
WELL REFERENCES:
 N65°W, 116' TO 12" HICKORY
 N4°W, 117' TO 12" POPLAR

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" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 980' W OF LOC. AT ELEV. 1328'

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) *Stephen D. Losh*
 R.P.E. _____ L.L.S. NO. 674
STEPHEN D. LOSH



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



DATE JUNE 13, 19 88
 OPERATOR'S WELL NO. E-57
 API WELL NO. ADAMS NO. 3
47-017-36555
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1092' WATER SHED BUCKEYE CREEK
 DISTRICT GREENBRIER COUNTY DODDRIDGE
 QUADRANGLE BIG ISAAC 7.5'

SURFACE OWNER GLENN BUNTEN ACREAGE 15.17
 OIL & GAS ROYALTY OWNER J. J. ADAMS LEASE ACREAGE 48.40
 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 ALEXANDER ESTIMATED DEPTH 5700'
 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

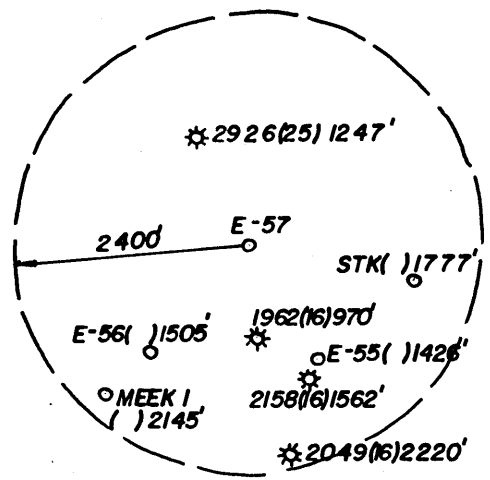
FORM WW-6
 H.T. HALL 98673

COUNTY NAME
 PERMIT

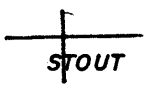
Janice 7/7/88

LATITUDE 39° 15' 00"

LONGITUDE 80° 35' 00"



NORTH



MILLS



0.905
1.480

13" BLACK OAK & STONEPILE

N11° 45' W, 775.50'

14" CHESTNUT OAK SNAG

S65° W, 602.25'

MEEK

E-57

LANTZ

TIE LINES:

- A) S36° 45' W, 743.27'
- B) S55° 26' E, 554.42'
- C) N00° 45' W, 910.19'

(33 AC)

(18.4 AC)

E-56

MILLS

FOREMAN

LANTZ

BUCKEYE CRK.

(15)

MILLS

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

WELL REFERENCES:
N65° W, 116' TO 12" HICKORY
N4° W, 117' TO 12" POPLAR

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

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 IN 200
PROVEN SOURCE OF ELEVATION TOP OF KNOB 980' W OF LOC. AT ELEV. 1328'

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. NO. 674



STEPHEN D. LOSH

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE JUNE 13, 19 88
OPERATOR'S WELL NO. E-57
API WELL NO. ADAMS NO. 3
47-017-36555
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1092' WATER SHED BUCKEYE CREEK
DISTRICT GREENBRIER 4 COUNTY DODDRIDGE
QUADRANGLE BIG ISAAC 7.5' 252 123 2

SURFACE OWNER GLENN BUNTEN ACREAGE 15.17
OIL & GAS ROYALTY OWNER J. J. ADAMS LEASE ACREAGE 48.40
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 ALEXANDER ESTIMATED DEPTH 5700'

WELL OPERATOR EXCEL ENERGY, INC. DESIGNATED AGENT HARRY BARNETT
ADDRESS P. O. BOX 1020 ADDRESS P. O. BOX 1020
BRIDGEPORT, WV 26330 1028 BRIDGEPORT, WV 26330

JUL 15 1988

FORM WW-6 H.T. HALL 68673

COUNTY NAME PERMIT

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

- 1) Well Operator: EXCEL ENERGY, INC. 16570, 4, 252
- 2) Operator's Well Number: Adams E-57 3) Elevation: _____
- 4) Well type: (a) Oil ___ / or Gas X /
(b) If Gas: Production X / Underground Storage ___ /
Deep ___ / Shallow X /
- 5) Proposed Target Formation(s): Benson - Alexander
- 6) Proposed Total Depth: 5700 feet
- 7) Approximate fresh water strata depths: 160,250
- 8) Approximate salt water depths: N/A 1.
- 9) Approximate coal seam depths: 160-163, 250-254, 740-743
- 10) Does land contain coal seams tributary to active mine? Yes ___ / No X /
- 11) Proposed Well Work: Drill and Stimulate
- 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	113/4			20	20	Sanded in
Fresh Water						
Coal	85/8		23#	1150	1150	<i>o.k. Miller</i> 380CSR18-11.3 C.T.S.
Intermediate						380CSR18-11.2.2
Production	41/2		10.5#	5650	5650	380CSR18-11.1 450 sks
Tubing						
Liners						

RECEIVED
JUN 28 1988

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Fee(s) paid: 1976 Well Work Permit 20 Reclamation Fund 1076 WPCP
 Plat 16570 WW-9 16570 WW-2B 50 Blanket Bond 16570 Agent
 (Type)

RECEIVED JUN 28 1988

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

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

Date: June 17, 1988 Operator's well number Adams E-56 API Well No: 47 - 017 - 3655 State - County - Permit

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

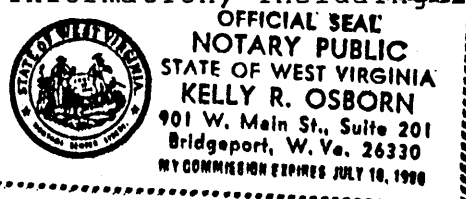
4) Surface Owner(s) to be served: (a) Name Glenn Bunten Address 132 Eade Avenue Glenshal, PA 15116 (b) Name Address (c) Name Address 6) Inspector Mike Underwood Address Rt. 2 Box 114 Salem, WV 26426 Telephone (304)-

5) (a) Coal Operator: Name Address (b) Coal Owner(s) with Declaration Name Willis G. Tetrick, Jr. 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: X Personal Service (Affidavit 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: L. Barnett Its: President Address P.O. Box 1020, Bridgeport, WV 26330 Telephone (304)-842-6927

Subscribed and sworn before me this 17 day of June, 19 88

My commission expires 7-16-96 Notary Public