

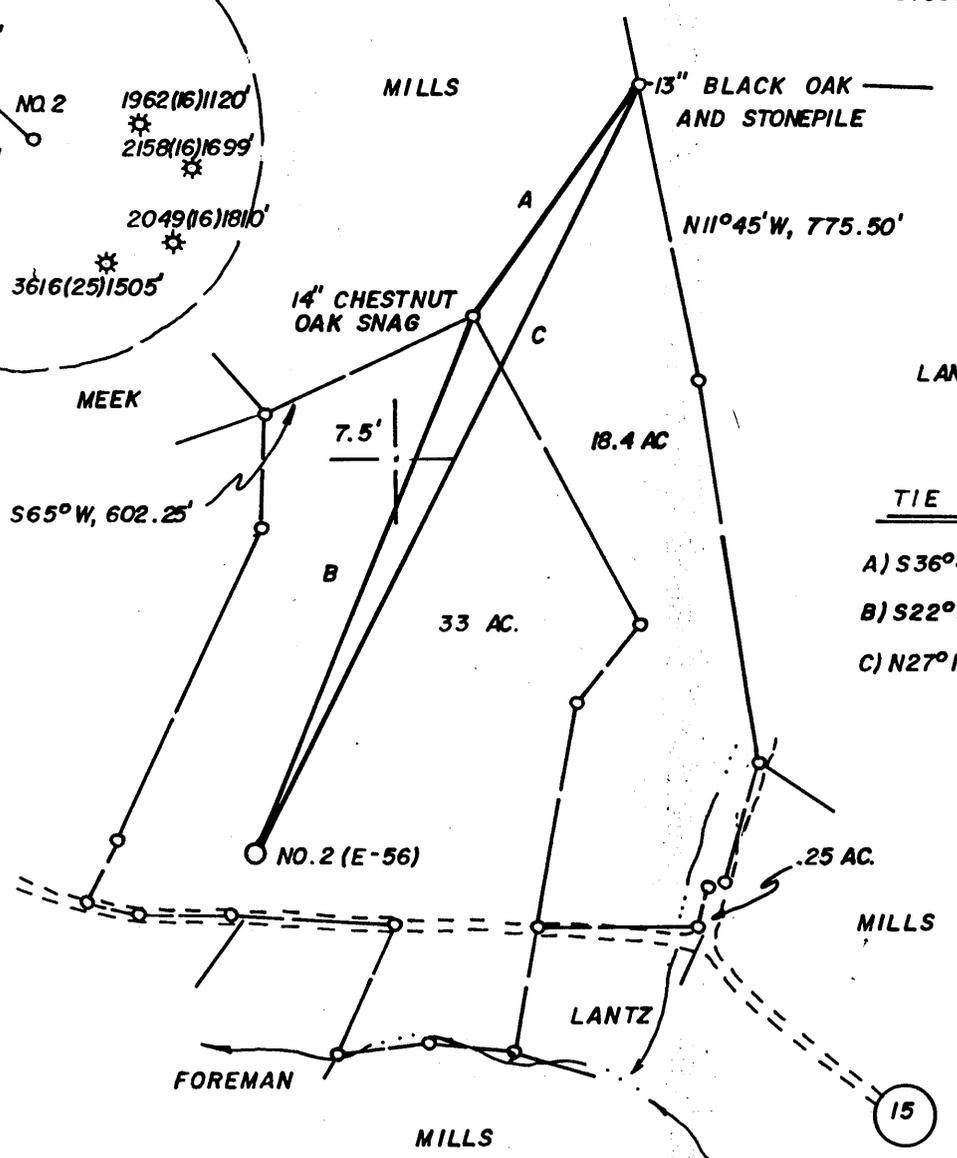
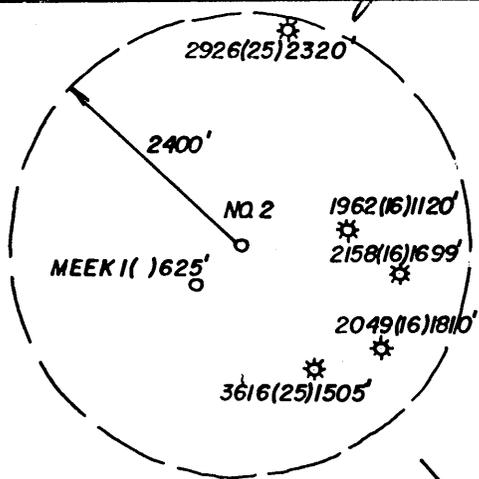
Jamie 7/7/88

8965'

LATITUDE 39° 15' 00"

LONGITUDE 80° 35' 00"

NORTH



TIE LINES

- A) S36°45' W, 743.27'
- B) S22°36' W, 1517.75'
- C) N27°15' E, 2246.17'

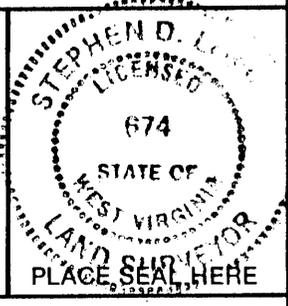
WELL REFERENCES:  
 N 40°W, 125' TO 11" HICKORY  
 N 40°E, 146' TO 2" DOGWOOD

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 1060'  
N. 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 7, 19 88  
 OPERATOR'S WELL NO. ADAMS NO. 2  
 API WELL NO. (E-56)

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 986' WATER SHED BUCKEYE CREEK  
 DISTRICT GREENBRIER COUNTY DODDRIDGE  
 QUADRANGLE BIG ISAAC 7.5

SURFACE OWNER GLENN BUNTEN ACREAGE 33  
 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 5650'  
 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

COUNTY NAME PERMIT

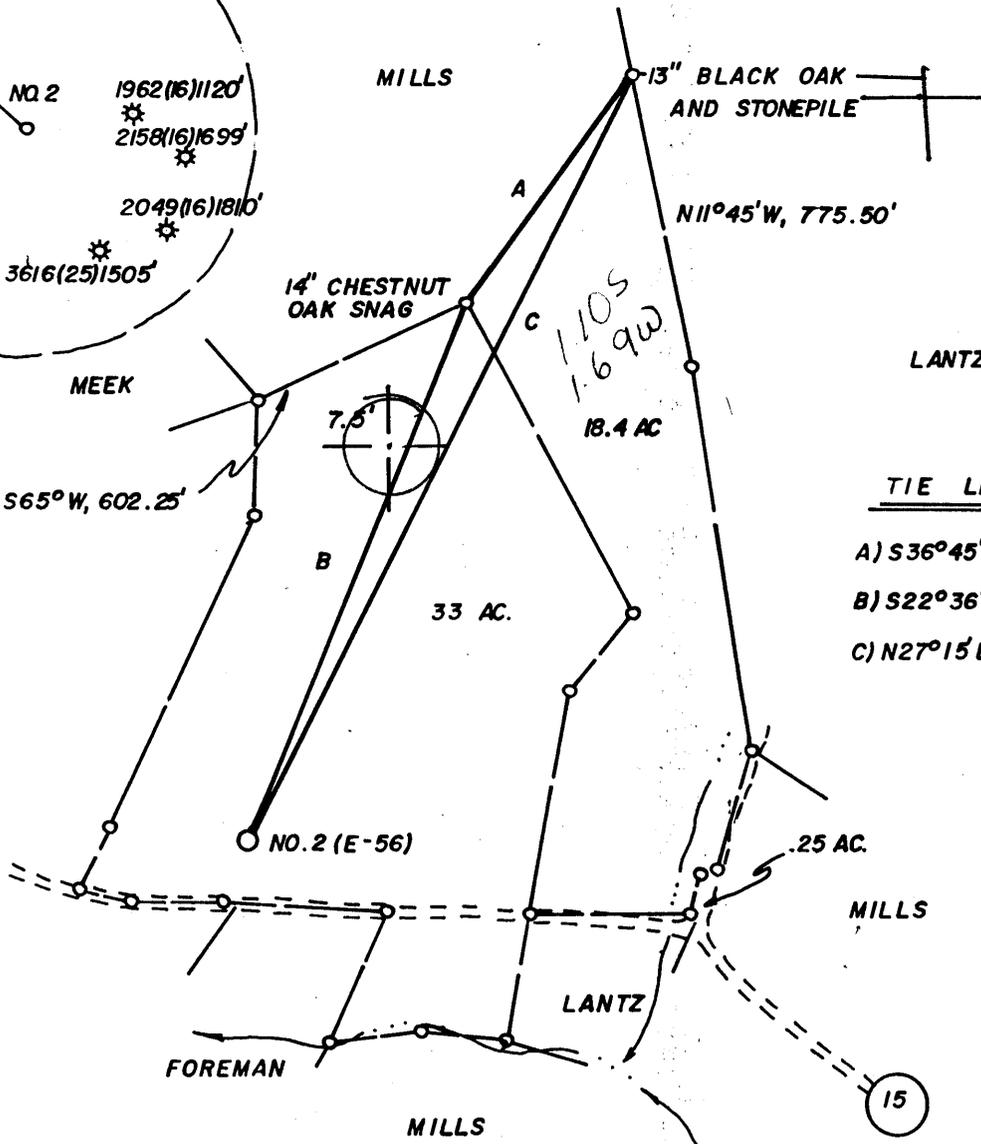
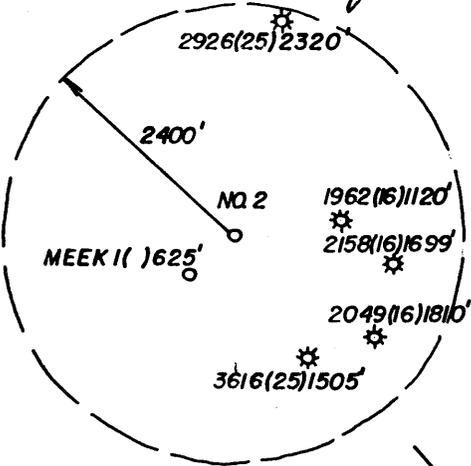
FORM WW-6 H.T. HALL 48673

Jamie 7/7/88

8965'

LATITUDE 39° 15' 00"

STOUT



- TIE LINES
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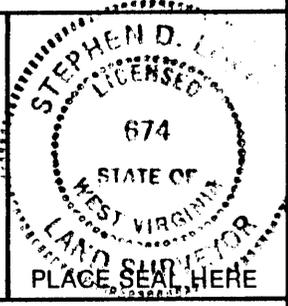
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 21 CEDAR LANE  
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**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION



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 API WELL NO. (E-56)

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 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
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 DISTRICT GREENBRIER 4 COUNTY DODDRIDGE  
 QUADRANGLE BIG ISAAC 7.5 252 1232  
 SURFACE OWNER GLENN BUNTEN ACREAGE 33  
 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) \_\_\_\_\_

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 ADDRESS P. O. BOX 1020 ADDRESS P. O. BOX 1020  
BRIDGEPORT, WV 26330 1028 BRIDGEPORT, WV 26330

**JUL 15 1988**

LONGITUDE 80° 35' 00"  
 COUNTY NAME  
 PERMIT

H.T. HALL 48673 FORM WW-6

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-57 API Well No: 47 - 017 - 3654 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 Glenshaw, PA 15116 (b) Name Address (c) Name Address 6) Inspector Mike Underwood Address Rt. 2 Box 114 Salem, WV 26426 Telephone (304)-782-1043

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.



NOTARY PUBLIC STATE OF WEST VIRGINIA KELLY R. OSBORN 901 W. Main St., Suite 201 Bridgeport, W. Va. 26330 MY COMMISSION EXPIRES JULY 16, 1996

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 17th day of June, 1988

My commission expires 7-16-96 Notary Public

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-56 3) Elevation: 986
- 4) Well type: (a) Oil  / or Gas  /  
(b) If Gas: Production  / Underground Storage  /  
Deep  / Shallow  /
- 5) Proposed Target Formation(s): Benson - Alexander
- 6) Proposed Total Depth: 5650 feet
- 7) Approximate fresh water strata depths: OK 70, 150
- 8) Approximate salt water depths: N/A ?
- 9) Approximate coal seam depths: OK 70-73, 150-154, 640-643
- 10) Does land contain coal seams tributary to active mine? Yes  / No  /
- 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						<i>OK Milk W</i>
Coal	85/8		23#	1050	1050	<i>38CSR18-11.3</i> C.T.S.
Intermediate						<i>38CSR18-11.2.2</i>
Production	41/2		10.5#	5600	5600	<i>38CSR18-11.1</i> 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

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