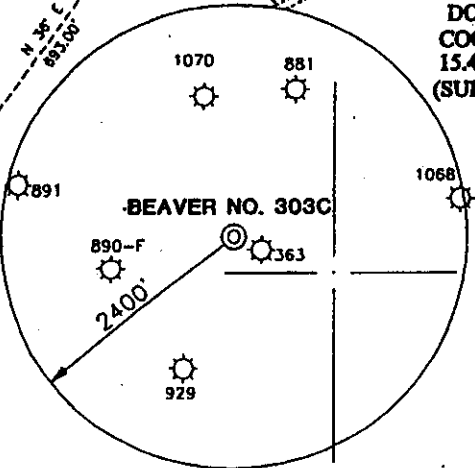
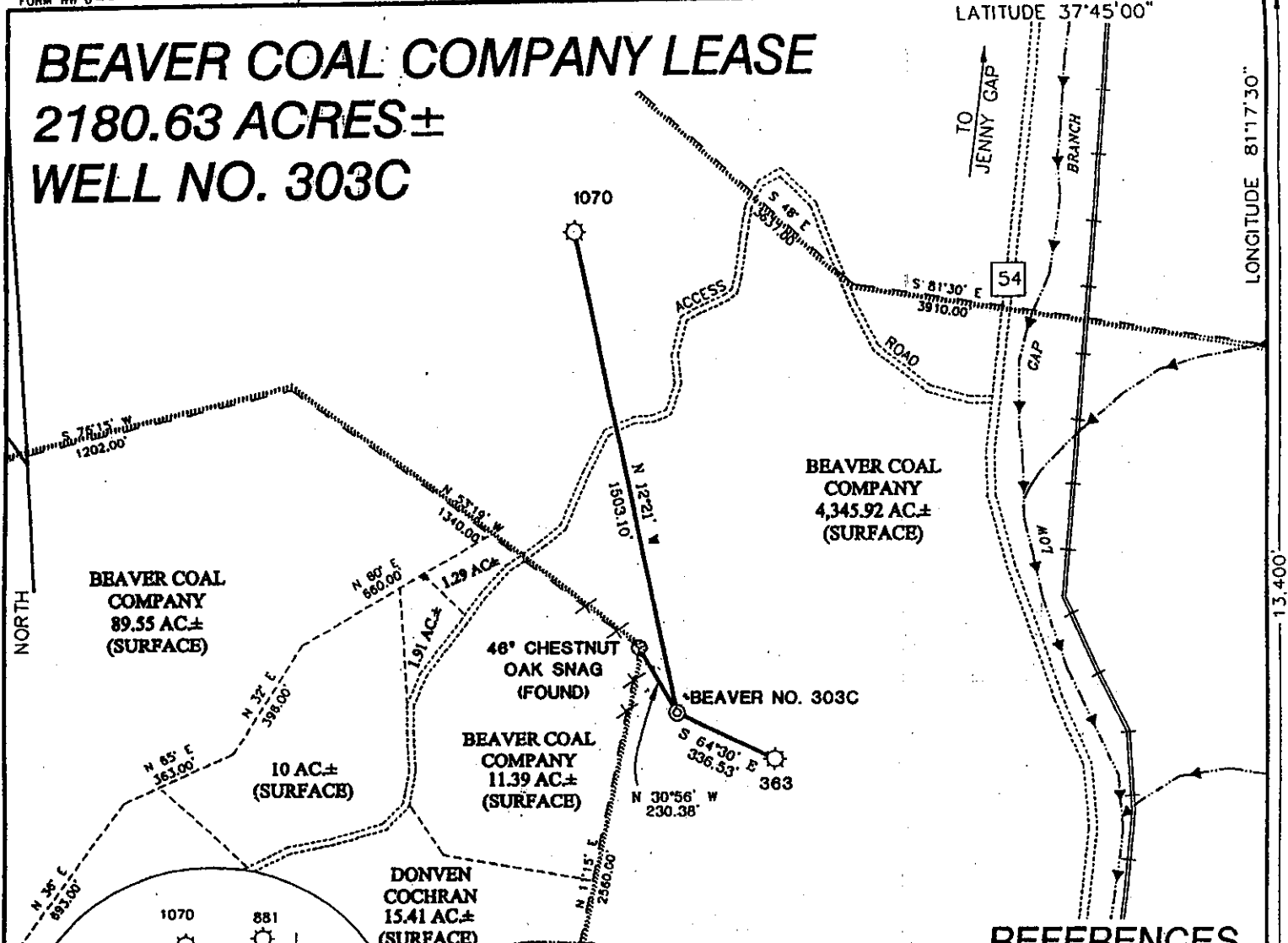


# BEAVER COAL COMPANY LEASE

## 2180.63 ACRES±

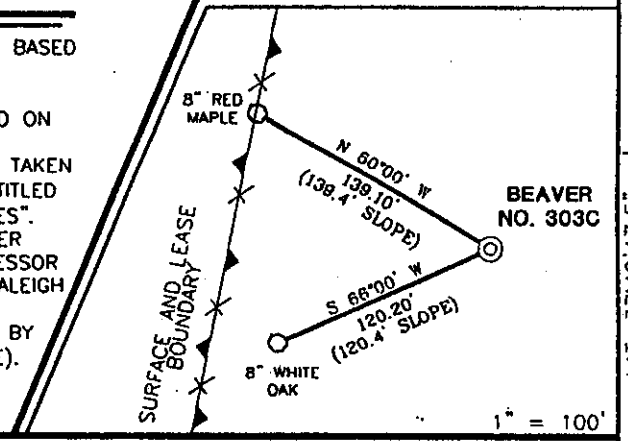
### WELL NO. 303C



#### NOTES ON SURVEY

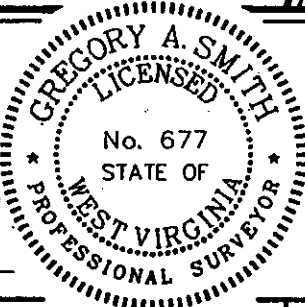
1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV SOUTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 4/22/99.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A PLAT DATED 11/14/61 ENTITLED "MAP OF TRACT OF 2180.63 ACRES".
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF RALEIGH COUNTY IN APRIL, 1999.
5. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

#### REFERENCES



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.

P.S. 677 *Gregory A. Smith*



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

DATE APRIL 30, 19 99  
 OPERATORS WELL NO. BEAVER #303C  
 API WELL NO. 47-81-011789  
 STATE COUNTY PERMIT  
**PLUGGING CANCELLED**

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 3639P303C (72-55)  
 PROVEN SOURCE OF ELEVATION BENCH MARK ELEVATION 2057' SCALE 1" = 500'

STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS

WELL TYPE : OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION : ELEVATION 2425' WATERSHED TRIBUTARY OF LOW GAP BRANCH

DISTRICT SLAB FORK COUNTY RALEIGH QUADRANGLE LESTER 7.5'

SURFACE OWNER BEAVER COAL COMPANY ACREAGE 4345.92

ROYALTY OWNER BEAVER COAL COMPANY LEASE ACREAGE 2180.63

PROPOSED WORK : DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION POCAHONTAS #3

ESTIMATED DEPTH 1300'

WELL OPERATOR ENERGY SEARCH, INC. DESIGNATED AGENT FRANK ROTUNDA **APR 18 2008**

ADDRESS 280 SANDERS W. BLVD. SUITE 200 ADDRESS 1613 GREENMONT HILLS DR.  
 KNOXVILLE, TN 37922 VIENNA, WV 26105

LONGITUDE 81°17'30" LAT. 37°42'47.5" COUNTY NAME PERMIT

# BEAVER COAL COMPANY LEASE

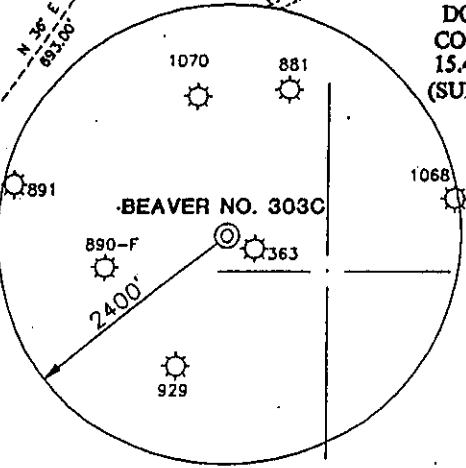
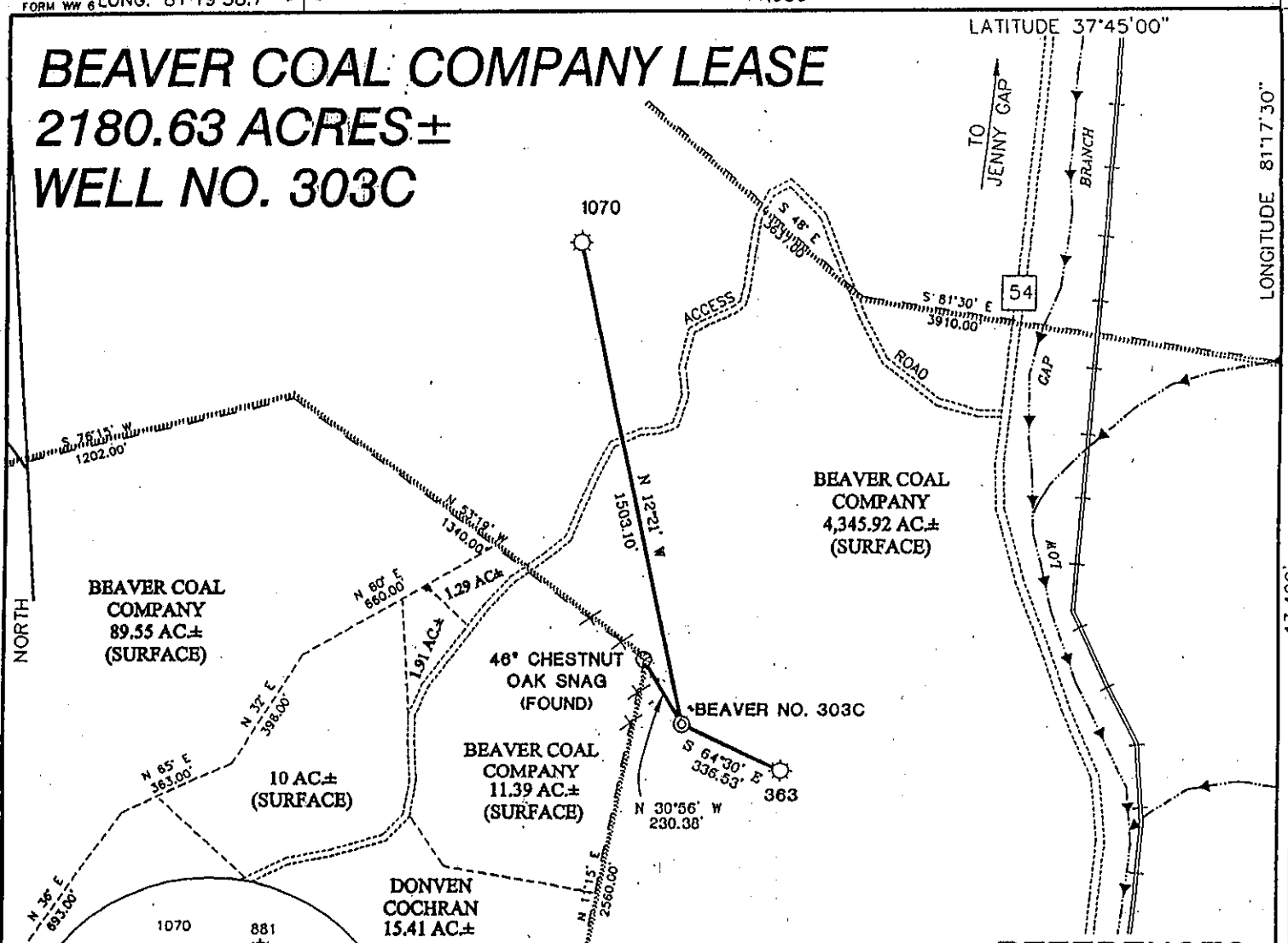
## 2180.63 ACRES±

### WELL NO. 303C

LATITUDE 37°45'00"

LONGITUDE 81°17'30"

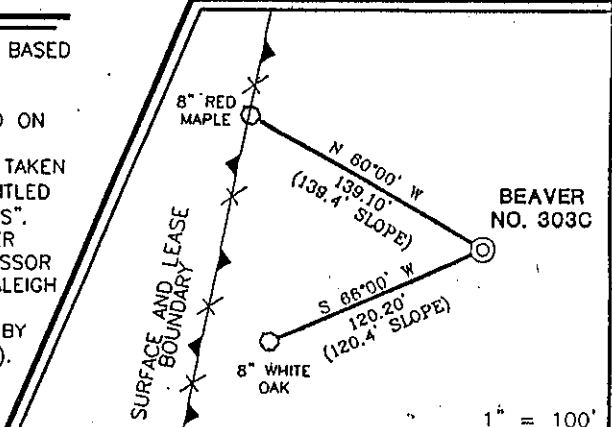
NORTH



#### NOTES ON SURVEY

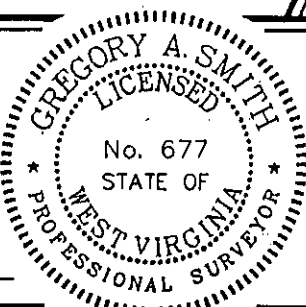
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P.S. 677 Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE APRIL 30, 19 99  
 OPERATORS WELL NO. BEAVER #303C  
 API WELL NO. 47 - 81 - 01178P  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 3639P303C (72-55)  
 PROVEN SOURCE OF ELEVATION BENCH MARK ELEVATION 2057' SCALE 1" = 500'

STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS



WELL TYPE : OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION : ELEVATION 2425' WATERSHED TRIBUTARY OF LOW GAP BRANCH

DISTRICT SLAB FORK COUNTY RALEIGH QUADRANGLE LESTER 7.5'

SURFACE OWNER BEAVER COAL COMPANY ACREAGE 4345.92

ROYALTY OWNER BEAVER COAL COMPANY LEASE ACREAGE 2180.63

PROPOSED WORK : LEASE NO. \_\_\_\_\_

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION POCAHONTAS #3  
 ESTIMATED DEPTH 1300'

WELL OPERATOR ENERGY SEARCH, INC. DESIGNATED AGENT FRANK ROTUNDA  
 ADDRESS 280 SANDERS W. BLVD. SUITE 200 KNOXVILLE, TN 37922 ADDRESS 1613 GREENMONT HILLS DR. VIENNA, WV 26105

COUNTY NAME RALEIGH PERMIT 1178P

# BEAVER COAL COMPANY LEASE

## 2180.63 ACRES ±

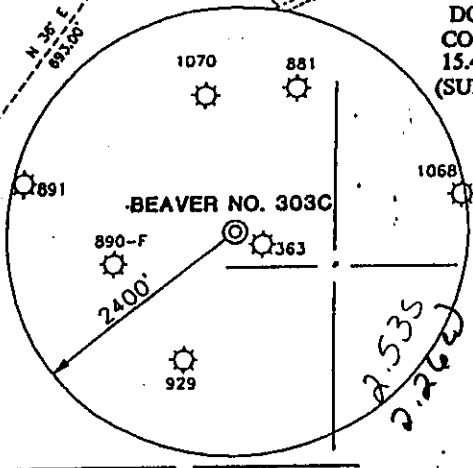
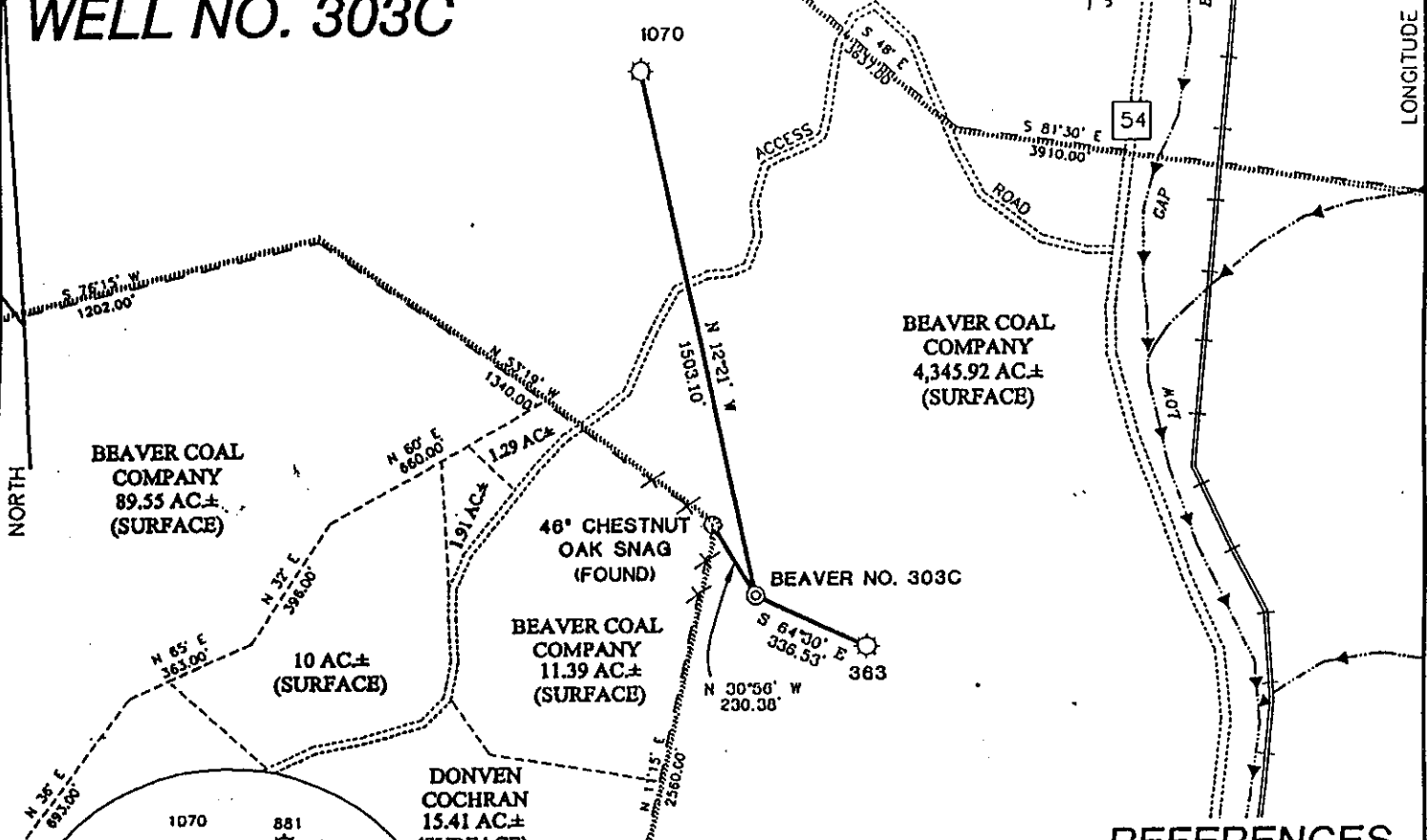
### WELL NO. 303C

NORTH

LONGITUDE 81°11'30"

13.400'

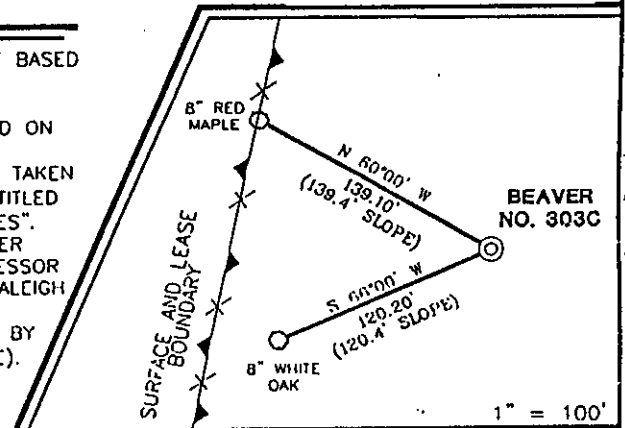
LAT. 37°42'47.5"



#### NOTES ON SURVEY

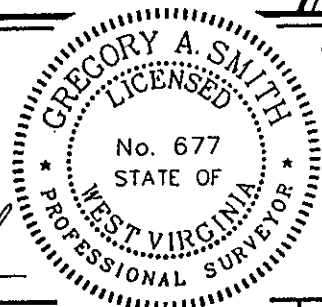
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P.S. 677 Gregory A. Smith



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 DATE APRIL 30, 19 99  
 OPERATORS WELL NO. BEAVER #303C  
 API WELL NO. 47-081-01178C  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 3639P303C (72-55)  
 PROVEN SOURCE OF ELEVATION BENCH MARK ELEVATION 2057' SCALE 1" = 500'

STATE OF WEST VIRGINIA  
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WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

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 PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER   
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WELL OPERATOR ENERGY SEARCH, INC. DESIGNATED AGENT FRANK ROTUNDA  
 ADDRESS 280 SANDERS W. BLVD. SUITE 200 KNOXVILLE, TN 37922 ADDRESS 1613 GREENMONT HILLS DR. VIENNA, WV 26105

COUNTY NAME RALEIGH PERMIT 1178C

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

Reviewed ALB

Well Operator's Report of Well Work

Farm name: BEAVER COAL COMPANY Operator Well No.: 303-C

LOCATION: Elevation: 2425.00' Quadrangle: LESTER

District: SLAB FORK County: RALEIGH  
Latitude: 13,400' Feet South of 37 Deg. 45 Min. 00 Sec.  
Longitude: 11,980' Feet West of 81 Deg. 17 Min. 30 Sec.

Company: ENERGY SEARCH INCORPORATED

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: 217 SECOND STREET PO BOX 2109	13 3/8"	22'	22'	
MARIETTA OH 45750-2109	7"	632'	632'	
Agent: FRANK R. ROTUNDA	4 1/2"	1300'	1300'	70 SKS
Inspector: RODNEY DILLON				
Date Permit Issued: SEPTEMBER 15, 1999				
Date Well Work Commenced: MAY 24, 2000				
Date Well Work Completed: JUNE 01, 2000				
Verbal Plugging:				
Date Permission granted on:				
Rotary XX Cable Rig				
Total Depth (feet): 1320'				
Fresh Water Depth (ft.): 990' 370'				
Salt Water Depth (ft.):				
Is coal being mined in area <input checked="" type="checkbox"/> (Y)?				
Coal Depths (ft.): 705'-715', 915'-919', 590'-592', 370'-373', 15'-17'				

RECEIVED  
Office of Oil & Gas  
Permitting  
NOV 13 2000  
WV Division of  
Environmental Protection

OPEN FLOW DATA

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

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.

Signed: \_\_\_\_\_  
By: JOHN M. JOHNSTON EXECUTIVE VICE PRESIDENT  
Date: SEPTEMBER 29, 2000

NOV 23 2000

RAL 1178C

BECKLEY COAL 712'-716'

FIRE CREEK COAL 916'-919' 925'-927'

POCA #3 1036'-1040'  
1069'-1073'