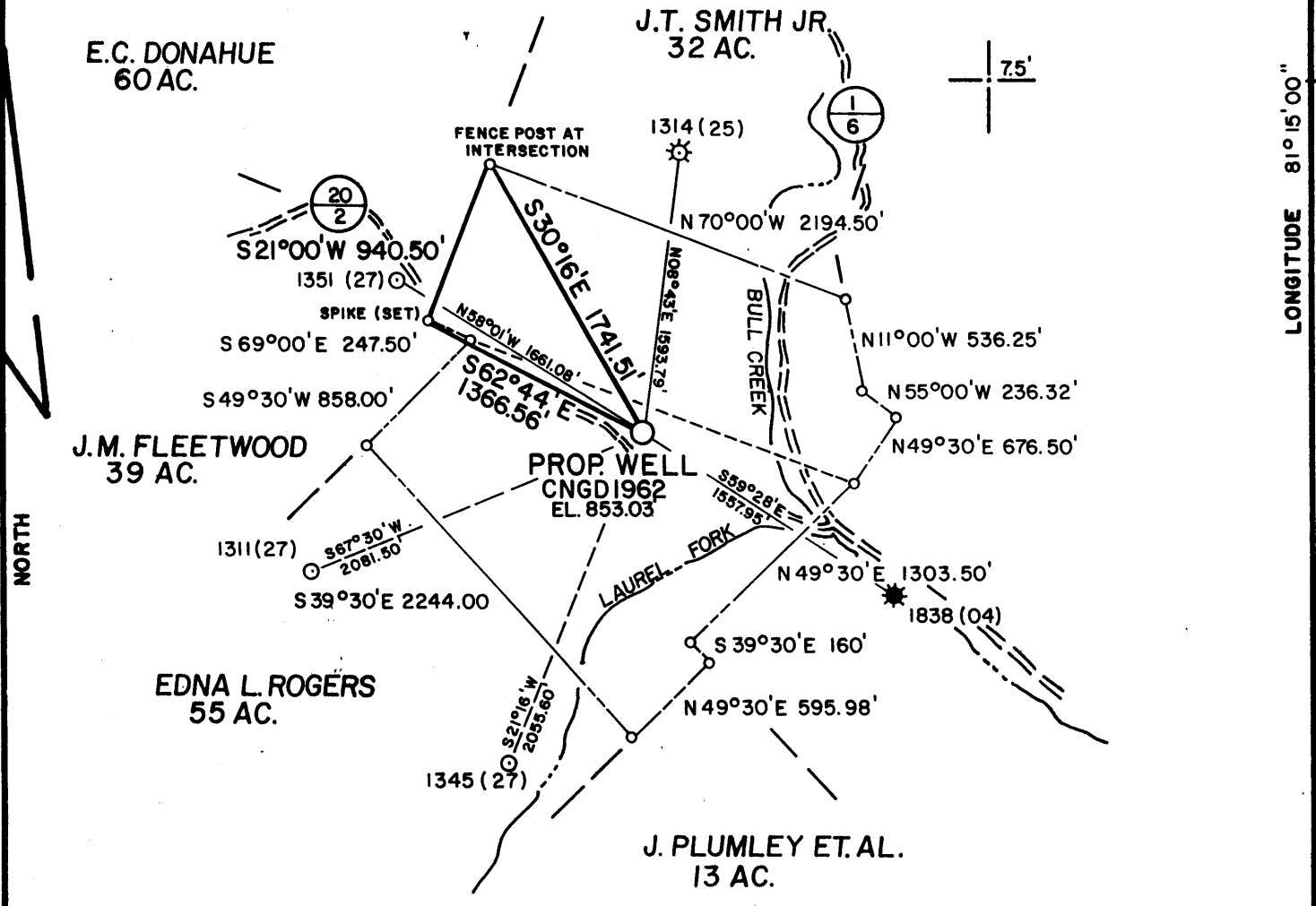


Jamil
6/23/92

LATITUDE 39° 17' 30"

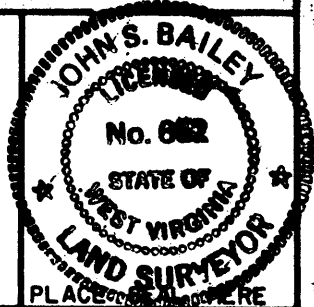
LONGITUDE 81° 15' 00"



WELL REFERENCE TIES
 CNGD 1962 TO 18" BLACK WALNUT
 N82°22'W 151.41'
 CNGD 1962 TO 34" RED OAK
 S63°36'W 99.93'

FILE NO. MSES 85-656
 DRAWN BY RVS / RRC
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION BM EL. 755' 1300' SE OF LOC.
JCT. CO. RT. 1/6 & CO. RT. 20/2

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 MINES.
 (SIGNED) John S. Bailey
 R. P. E. _____ L. L. S. 652



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 (8-78)



DATE MAY 23, 1985
 OPERATOR'S WELL NO. CNGD 1962
 API WELL NO. 47-107-1373-P
 STATE COUNTY PERMIT

Department of Mines
 Oil & Gas Division

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS", PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X)
 LOCATION: ELEVATION 853.03' WATER SHED BULL CREEK
 DISTRICT WALKER COUNTY WOOD
 QUADRANGLE WILLOW ISLAND 7.5' (1976)
 SURFACE OWNER J. A. SMITH HRS. ACREAGE 66
 OIL & GAS ROYALTY OWNER J. A. SMITH HRS LEASE ACREAGE 123
 LEASE NO. DV-771
 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 DEVONIAN SHALE ESTIMATED DEPTH 4000'
 WELL OPERATOR CNGC Producing Co. DESIGNATED AGENT Rodney J. Biggs
 ADDRESS ONE PARK RIDGE CENTER ADDRESS CROSSWIND CORPORATE PARK
P.O. BOX 15746 ROUTE 2 BOX 698
PITTSBURGH, PA. 15244 BRIDGEPORT, W.V. 26330

JUN 26 1992

WOOD 1373

204-9-15-85

3725'

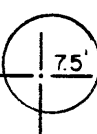
CODE _____ CARD _____ PLOT _____

LATITUDE 39°17'30"
39°20'

LONGITUDE 81°15'00"

E.C. DONAHUE
60 AC.

J.T. SMITH JR.
32 AC.



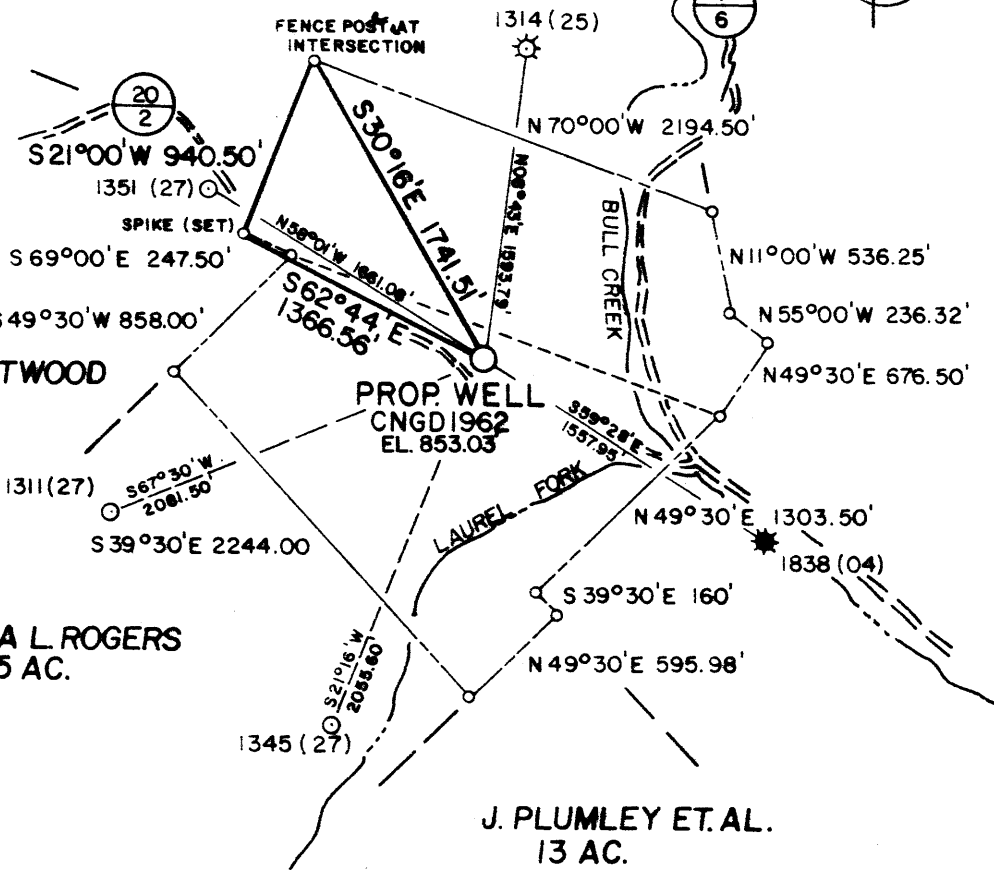
0.615
0.70W

J.M. FLEETWOOD
39 AC.

EDNA L. ROGERS
55 AC.

J. PLUMLEY ET. AL.
13 AC.

NORTH



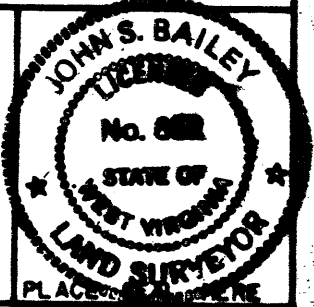
3.49
0.70W

WELL REFERENCE TIES
CNGD 1962 TO 18" BLACK WALNUT
N82°22'W 151.41'
CNGD 1962 TO 34" RED OAK
S63°36'W 99.93'

John S. Bailey
6/17/85

FILE NO. MSES 85-656
DRAWN BY RVS / RRC
SCALE 1"=1000'
MINIMUM DEGREE OF ACCURACY 1/1600
PROVEN SOURCE OF ELEVATION BM EL. 756' 1300' SE OF LOC.
JCT. CO. RT. 1/6 & CO. RT. 20/2

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 MINES.
(SIGNED) *John S. Bailey*
R. P. E. _____ L. L. S. _____ 652



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
FORM IV-6
(8-78)



Department of Mines
Oil & Gas Division

DATE MAY 23, 1985
OPERATOR'S WELL NO. CNGD 1962
API WELL NO. _____
47-107-1373
STATE COUNTY PERMIT

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS", PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X)
LOCATION: ELEVATION 853.03' WATER SHED BULL CREEK
DISTRICT WALKER COUNTY WOOD Marietta 15'
QUADRANGLE WILLOW ISLAND 7.5' (1976) 686 073 SE 9
SURFACE OWNER J.A. SMITH HRS. ACREAGE 66
OIL & GAS ROYALTY OWNER J.A. SMITH HRS. LEASE ACREAGE 123
LEASE NO. DV-771
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 DEVONIAN SHALE ESTIMATED DEPTH 4000'
WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS AUG 26 1985
ADDRESS ONE PARK RIDGE CENTER ADDRESS CROSSWIND CORPORATE PARK
P.O. BOX 15746 ROUTE 2 BOX 698
PITTSBURGH, PA. 15244 BRIDGEPORT, W.V. 26330

RECEIVED
OCT 10 1985



IV-35
(Rev 8-81)

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
Department of Mines
Oil and Gas Division

Date October 3, 1985
Operator's
Well No. CNGD WN 1962
Farm J. A. Smith Hrs.
API No. 47 - 107 - 1373

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil Gas Liquid Injection Waste Disposal
(If "Gas," Production / Underground Storage / Deep / Shallow)

LOCATION: Elevation: 853 Watershed Bull Creek
District: Walker County Wood Quadrangle Willow Island

COMPANY CNG Development Company

ADDRESS P. O. Box 15746
Pittsburgh, PA 15244

DESIGNATED AGENT Gary A. Nicholas

ADDRESS Rt. 2 Box 698
Bridgeport, WV 26330

SURFACE OWNER J. A. Smith Hrs.

ADDRESS c/o John T. Smith, Rt. 4
Marietta, OH 45750

MINERAL RIGHTS OWNER J. A. Smith Hrs.

ADDRESS c/o John T. Smith, Rt. 4
Marietta, OH 45750

OIL AND GAS INSPECTOR FOR THIS WORK

Glen Robinson ADDRESS Rt. 1 #6 Mt. Pleasant Est.
Mineralwells, WV

PERMIT ISSUED Aug. 20, 1985

DRILLING COMMENCED Aug. 27, 1985

DRILLING COMPLETED Sept. 15, 1985

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON _____

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	246	246	To Surf
9 5/8			
8 5/8	1505	1505	To Surf
7			
5 1/2			
4 1/2	3396	3396	400 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 4000 feet

Depth of completed well 3500 feet Rotary / Cable Tools _____

Water strata depth: Fresh 48 feet; Salt 450 feet

Coal seam depths: _____ Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 2642 - 2739 feet
1889 - 2443

Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow 230 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure 380 psig (surface measurement) after 72 hours shut in

(If applicable due to multiple completion--)

Second producing formation _____ Pay zone depth _____ feet

Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ hours

Static rock pressure _____ psig (surface measurement) after _____ hours shut in

(Continue on reverse side)

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

Perforated Devonian Shale 2642 thru 2739, 37 holes, HSC Select Fire.
 B.J. Titan N₂ Frac Dev. Shale - Break 2740, Avg TPSI 2800, Rate 76,000 SCFN₂/min, ISI 1580, 5 min 1440. Used 1,000,000 SCFN₂ & 500 gals 15% HCL
 Perfco Perforate 2nd Stage Dev. Shale 1889 - 2443, 22 hole, .39 HSC Select Fire
 Set Ret. Baker Bridge Plug @ 2500' Up DW
 B. J. Titan Nitrogen Frac Dev. Shale - Break 3740, Avg. TPSI 2700, Rate 80,000 SCFN₂/min, ISI 1760, 3 min 1580, used 800,000 SCFN₂ & 500 gals 15% HCL

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Clay			0	10	Coal 75 - 80
Sand & Shale			10	70	
Coal			70	80	Hole Damp @ 48'
Sand & Shale			80	790	450'
Big Lime			790	870	1-1/2"-2" - 462'
Sand & Shale			870	3500	Jawa @ TD
LOG TOPS ✓					
Greenbrier			770	910	
Pocohontas			915	1020	
Sunbury			1390	1400	
Berea			1400	1412	
Warren			2662	2870	
Speechley			3015	3135	

From near by log:
 top 750
 1250
 2550

(Attach separate sheets as necessary)

CNG DEVELOPMENT COMPANY

Well Operator

By: *Sary A. McCallister*

Date: October 3, 1985

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including sand, encountered in the drilling of a well."

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

RECEIVED
WV C
Environmental
SEP 2 1 02
Permitting & Gas

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: SMITH, JOHN A. - HRS. Operator Well No.:1962

LOCATION: Elevation: 853.03 Quadrangle: WILLOW ISLAND
District: WALKER County: WOOD
Latitude: 3200 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude 3725 Feet West of 81 Deg. 15 Min. 0 Sec.

Well Type: OIL _____ GAS x

Company: CNG Producing Co.
Rt. 2 Box 698
Bridgeport, WV 26330

Coal Operator Same as Mineral
or Owner _____

Agent: Rodney J. Biggs

Coal Operator _____
or Owner _____

Permit Issued: 06/24/92

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Wood ss:

Eastern Services and Nowasco being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and Glen Robinson Oil and Gas Inspector representing the Director, say that said work was commenced on the 19th day of August, 1992, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Class A	0	100	None	11 3/4"
Class A	400	500		8 5/8"
Class A	766	986		4 1/2"
Class A w/LCM	1344	2739		
Used a total of 150 sks				

Description of monument: 48" x 4.5" cap with CNGP 1962 and API number and that the work of plugging and filling said well was completed on the 9th day of September, 1992.

And further deponents saith not.

Rodney J. Biggs

Sworn and subscribe before me this 17th day of September, 1993
My commission expires: 9-23-93

Designated Agent
Nancy D. Colton
Notary Public
SEP 28 1992

Oil and Gas Inspector: Glen Robinson