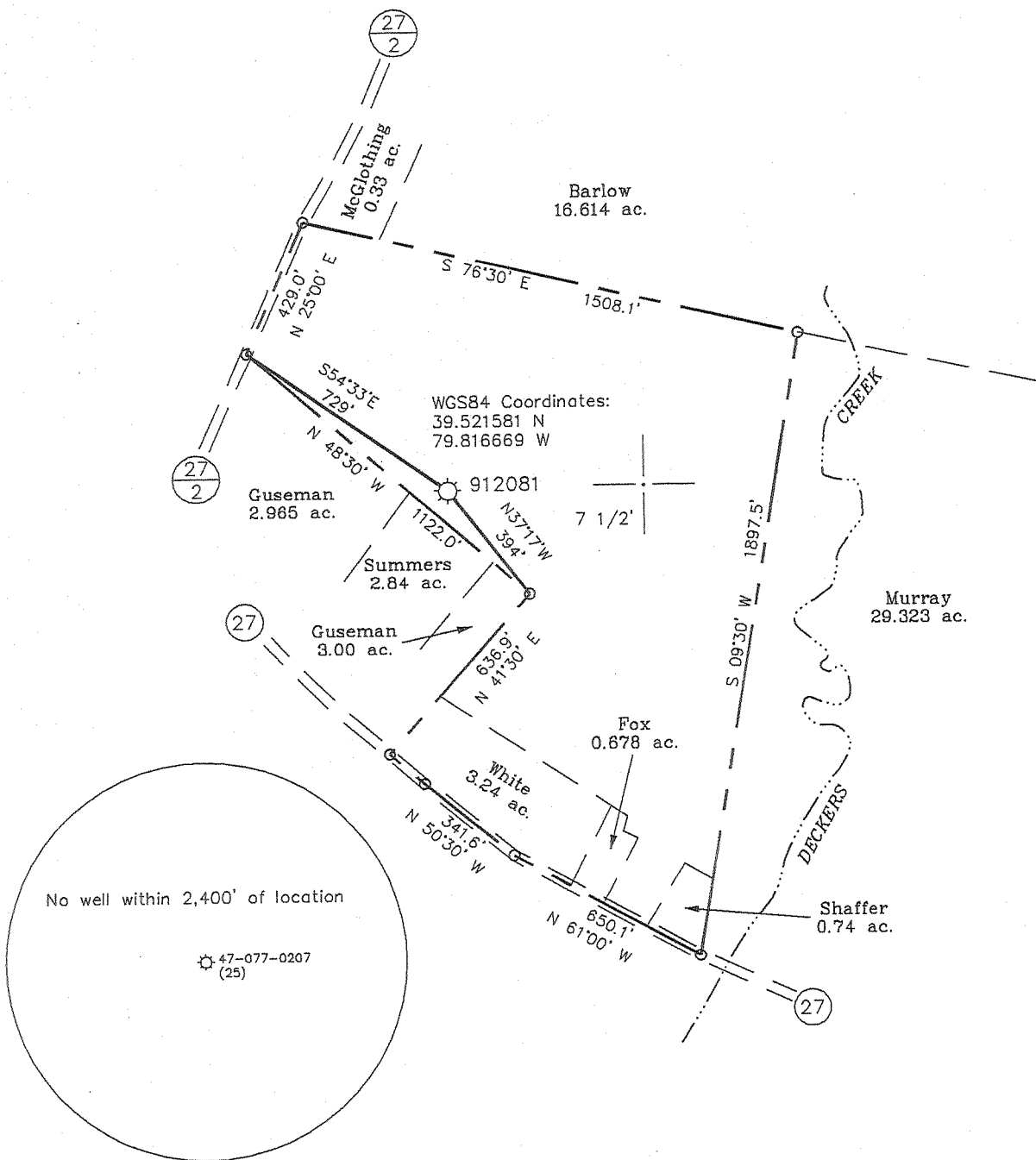


NORTH

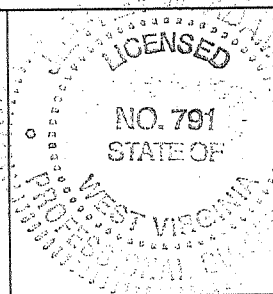


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
DRAWING NO. 1
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION GPS
Submeter unit

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. 791



STATE OF WEST VIRGINIA
Division of Environmental Protection
OFFICE OF OIL AND GAS

DATE September 19, 2006
OPERATOR'S WELL NO. 912081
API WELL NO. _____

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

47 - 077 - 0207 F
STATE COUNTY PERMIT

LOCATION: ELEVATION 1,729' WATER SHED Deckers Creek
DISTRICT Valley COUNTY Preston
QUADRANGLE Masontown 7 1/2'

DEC 01 2006

SURFACE OWNER Donald Murray, et ux. ACREAGE 40.34 ac.
OIL & GAS ROYALTY OWNER Virginia Durbin, et al. LEASE ACREAGE 45 ac. of 173 ac.
LEASE NO. 7-004483-000

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

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION Marcellus ESTIMATED DEPTH 7,665'
WELL OPERATOR Chesapeake Appalachia, LLC. DESIGNATED AGENT Michael John
ADDRESS P.O. Box 6070, Charleston, WV 25362-0070 ADDRESS P.O. Box 6070, Charleston, WV 25362-0070

COUNTY NAME

PERMIT

P.A.E. 0207 F

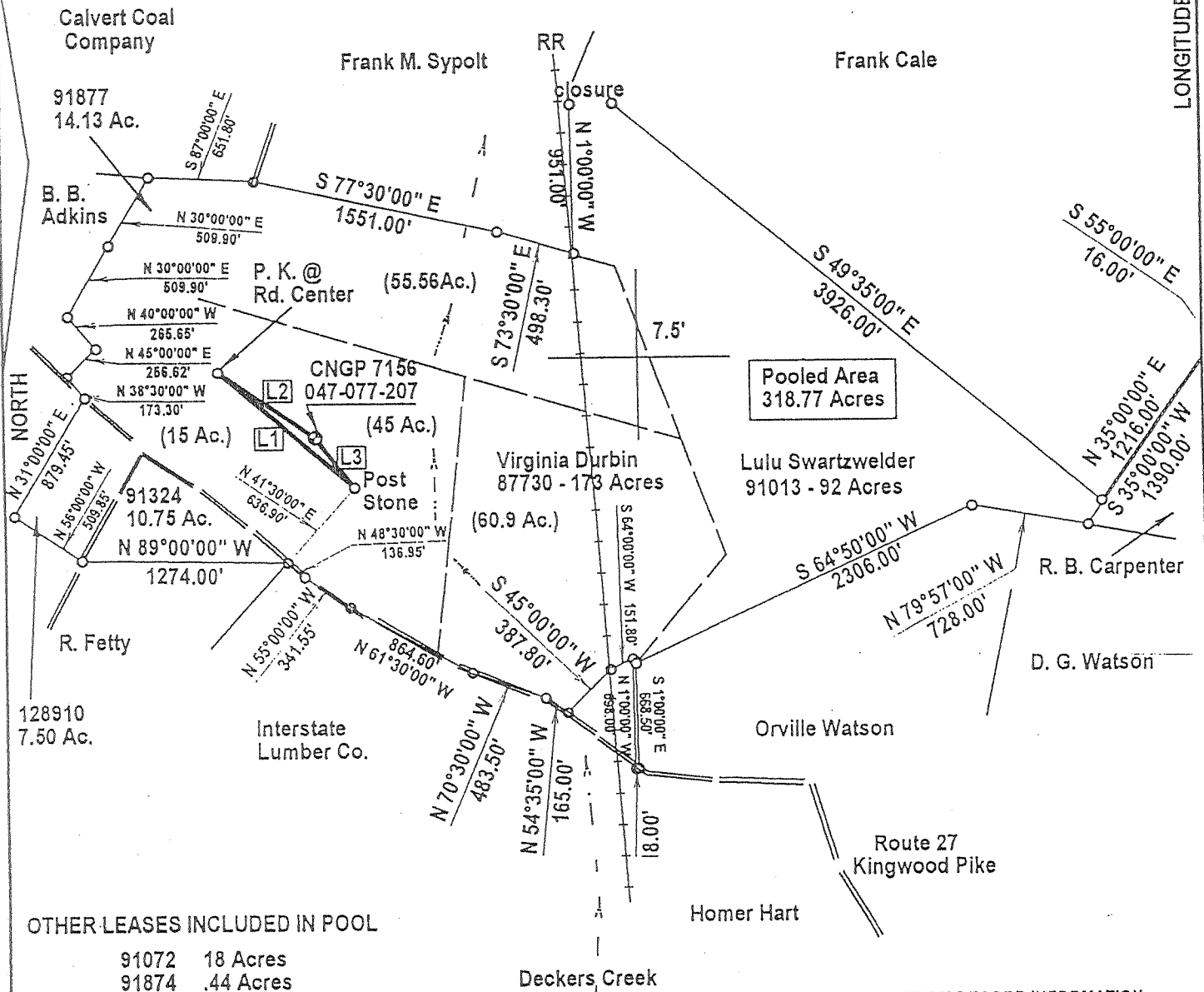
LATITUDE 39 - 32 - 30

7,000'

7,100'

LONGITUDE 79 - 47 - 30

Id	Bearing	Distance
L1	N 48°30'00" W	1119.00'
L2	S 54°47'00" E	731.00'
L3	S 36°58'33" E	400.46'



OTHER LEASES INCLUDED IN POOL

91072 18 Acres
91874 .44 Acres

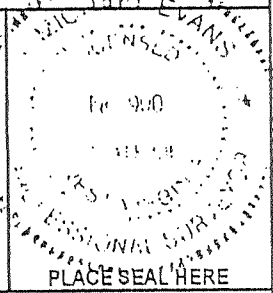
PLAT PREPARED FROM RECORD INFORMATION.
DOES NOT REPRESENT AN UPDATED FIELD SURVEY.

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

FILE NUMBER: _____
 DRAWING NUMBER: _____
 SCALE: 1" = 1,000'
 MINIMUM DEGREE OF ACCURACY: 1 in 2500
 PROVEN SOURCE OF ELEVATION: Road junction at Elev. 1,774'

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) *J. Michael Evans*
 J. Michael Evans, PS 900



STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS #10 McJUNKIN ROAD NITRO, WV 25143-2506 FORM WV-6	LAND SURVEYING SERVICES 21 CEDAR LANE, BRIDGEPORT, WV 26330 PHONE: 304-842-2018 OR 842-5762	DATE: March 13, 2000
WELL TYPE: OIL ___ GAS <input checked="" type="checkbox"/> LIQUID INJECTION ___ WASTE DISPOSAL ___ (IF "GAS") PRODUCTION <input checked="" type="checkbox"/> STORAGE ___ DEEP ___ SHALLOW <input checked="" type="checkbox"/>	OPERATORS WELL NO.: CNGP 7156 (formerly 12669)	API WELL NO. 47 - 077 - 0207 P
LOCATION: ELEVATION 1,736' WATERSHED Deckers Creek DISTRICT Valley COUNTY Preston	QUADRANGLE Masontown 7.5'	LEASE NUMBER 87730
SURFACE OWNER Jack E. & Mary E. Murray	ACREAGE 41.018	LEASE ACREAGE 318.77 (pooled)
OIL & GAS ROYALTY OWNER Virginia Durbin	PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE (SPECIFY) Plug & Abandon	PLUG & ABANDON ___ CLEAN OUT & REPLUG ___ ESTIMATED DEPTH 7,835'
TARGET FORMATION Oriskany	WELL OPERATOR CNG Producing Company	DESIGNATED AGENT Rodney J. Biggs
ADDRESS Rt. 2, Box 698, Bridgeport, WV 26330	ADDRESS Rt. 2, Box 698, Bridgeport, WV 26330	

SEP 08 2005 CANCELLED

PRE 0207 P CANC.

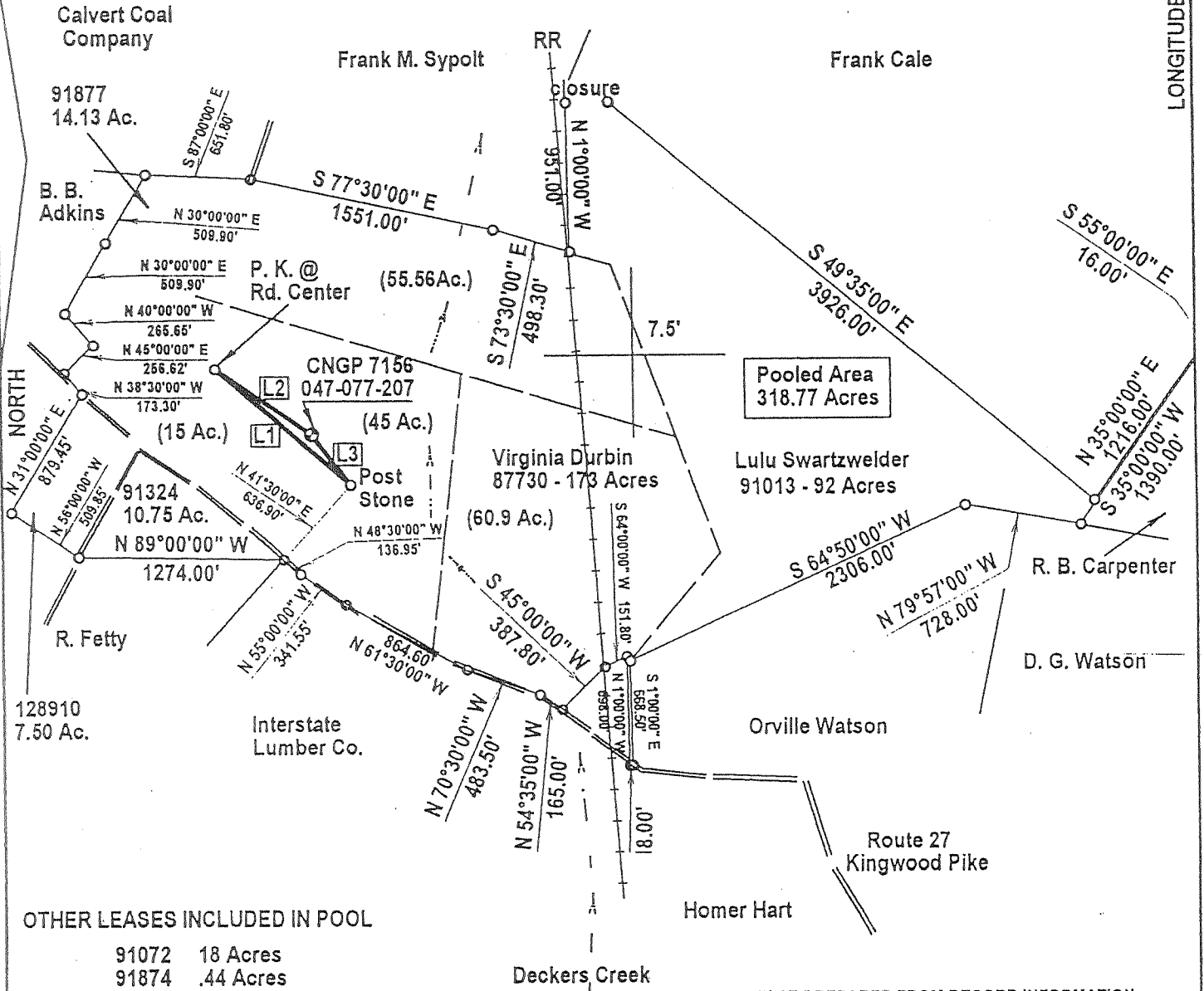
LATITUDE 39 - 32 - 30

7,000'

7,100'

LONGITUDE 79 - 47 - 30

Id	Bearing	Distance
L1	N 48°30'00" W	1119.00'
L2	S 54°47'00" E	731.00'
L3	S 36°58'33" E	400.46'



OTHER LEASES INCLUDED IN POOL

91072 18 Acres
91874 .44 Acres

PLAT PREPARED FROM RECORD INFORMATION.
DOES NOT REPRESENT AN UPDATED FIELD SURVEY.

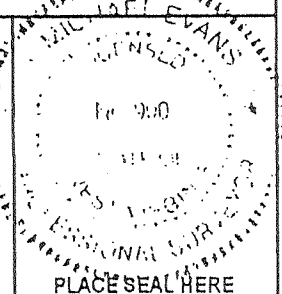
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FILE NUMBER: _____
DRAWING NUMBER: _____
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MINIMUM DEGREE OF ACCURACY: 1 in 2500
PROVEN SOURCE OF ELEVATION: Road junction at Elev. 1,774'

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(SIGNED) *J. Michael Evans*

J. Michael Evans, PS 900



STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS #10 McJUNKIN ROAD NITRO, WV 25143-2506 FORM WV-6	LAND SURVEYING SERVICES 21 CEDAR LANE, BRIDGEPORT, WV 26330 PHONE: 304-842-2018 OR 842-5762	DATE: March 13, 2000
WELL TYPE: OIL ___ GAS <input checked="" type="checkbox"/> LIQUID INJECTION ___ WASTE DISPOSAL ___ (IF "GAS") PRODUCTION <input checked="" type="checkbox"/> STORAGE ___ DEEP ___ SHALLOW <input checked="" type="checkbox"/>	OPERATORS WELL NO.: CNGP 7156 (formerly 12669)	API WELL NO. 47-077-0207P
LOCATION: ELEVATION 1,736' WATERSHED Deckers Creek DISTRICT Valley COUNTY Preston	LEASE NUMBER 87730	STATE COUNTY PERMIT
QUADRANGLE Masontown 7.5'	ACREAGE 41.018	
SURFACE OWNER Jack E. & Mary E. Murray	LEASE ACREAGE 318.77 (pooled)	
OIL & GAS ROYALTY OWNER Virginia Durbin		
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE (SPECIFY) Plug & Abandon	PLUG & ABANDON ___ CLEAN OUT & REPLUG ___	
TARGET FORMATION Oriskany	ESTIMATED DEPTH 7,835'	
WELL OPERATOR CNG Producing Company	DESIGNATED AGENT Rodney J. Biggs	
ADDRESS Rt. 2, Box 698, Bridgeport, WV 26330	ADDRESS Rt. 2, Box 698, Bridgeport, WV 26330	

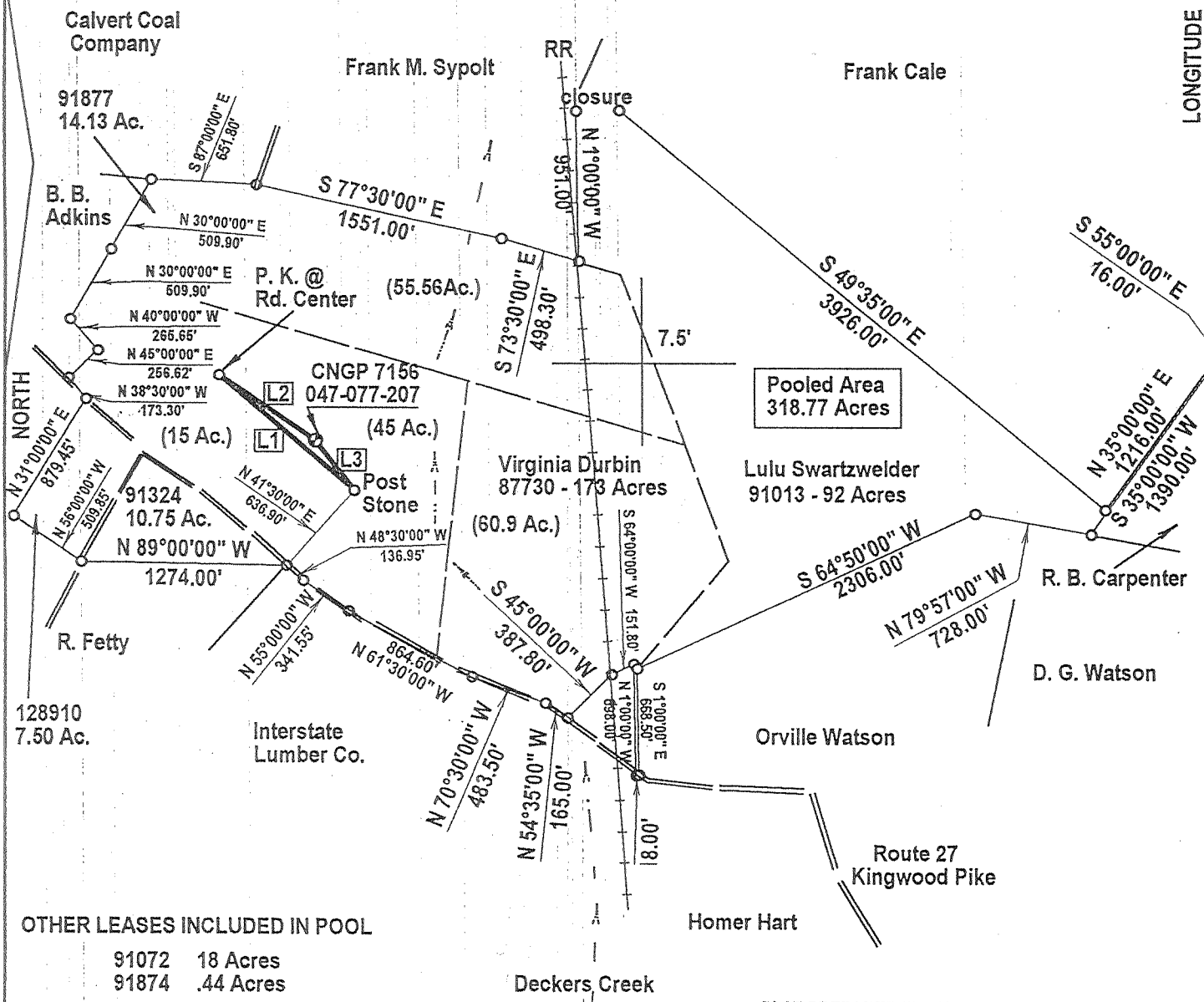
COUNTY NAME PERMIT PRE 0207P

LATITUDE 39 - 32 - 30

7,000'
7,100'

LONGITUDE 79 - 47 - 30

Id	Bearing	Distance
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L2	S 54°47'00" E	731.00'
L3	S 36°58'33" E	400.46'



OTHER LEASES INCLUDED IN POOL
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 91874 .44 Acres

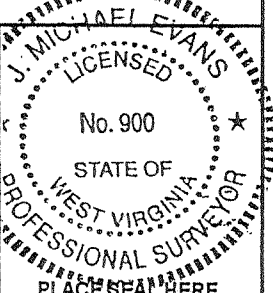
PLAT PREPARED FROM RECORD INFORMATION.
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(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

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(SIGNED) *J. Michael Evans*
 J. Michael Evans, PS 900



STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS #10 McJUNKIN ROAD NITRO, WV 26143-2506 FORM WW-6	LAND SURVEYING SERVICES 21 CEDAR LANE, BRIDGEPORT, WV 26330 PHONE: 304-842-2018 OR 842-5762	DATE: March 13, 2000
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LOCATION: ELEVATION 1,736' WATERSHED Deckers Creek DISTRICT Valley COUNTY Preston	LEASE NUMBER 87730	PLUGGING CANCELLED
SURFACE OWNER Jack E. & Mary E. Murray	ACREAGE 41.018	PERMIT
OIL & GAS ROYALTY OWNER Virginia Durbin	LEASE ACREAGE 318.77 (pooled)	COUNTY NAME PRESTON
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE (SPECIFY) Plug & Abandon	PLUG & ABANDON ___ CLEAN OUT & REPLUG ___	ESTIMATED DEPTH 7,835'
TARGET FORMATION Oriskany	WELL OPERATOR CNG Producing Company	DESIGNATED AGENT Rodney J. Biggs
ADDRESS Rt. 2, Box 698, Bridgeport, WV 26330	ADDRESS Rt. 2, Box 698, Bridgeport, WV 26330	

NOV 8 2000

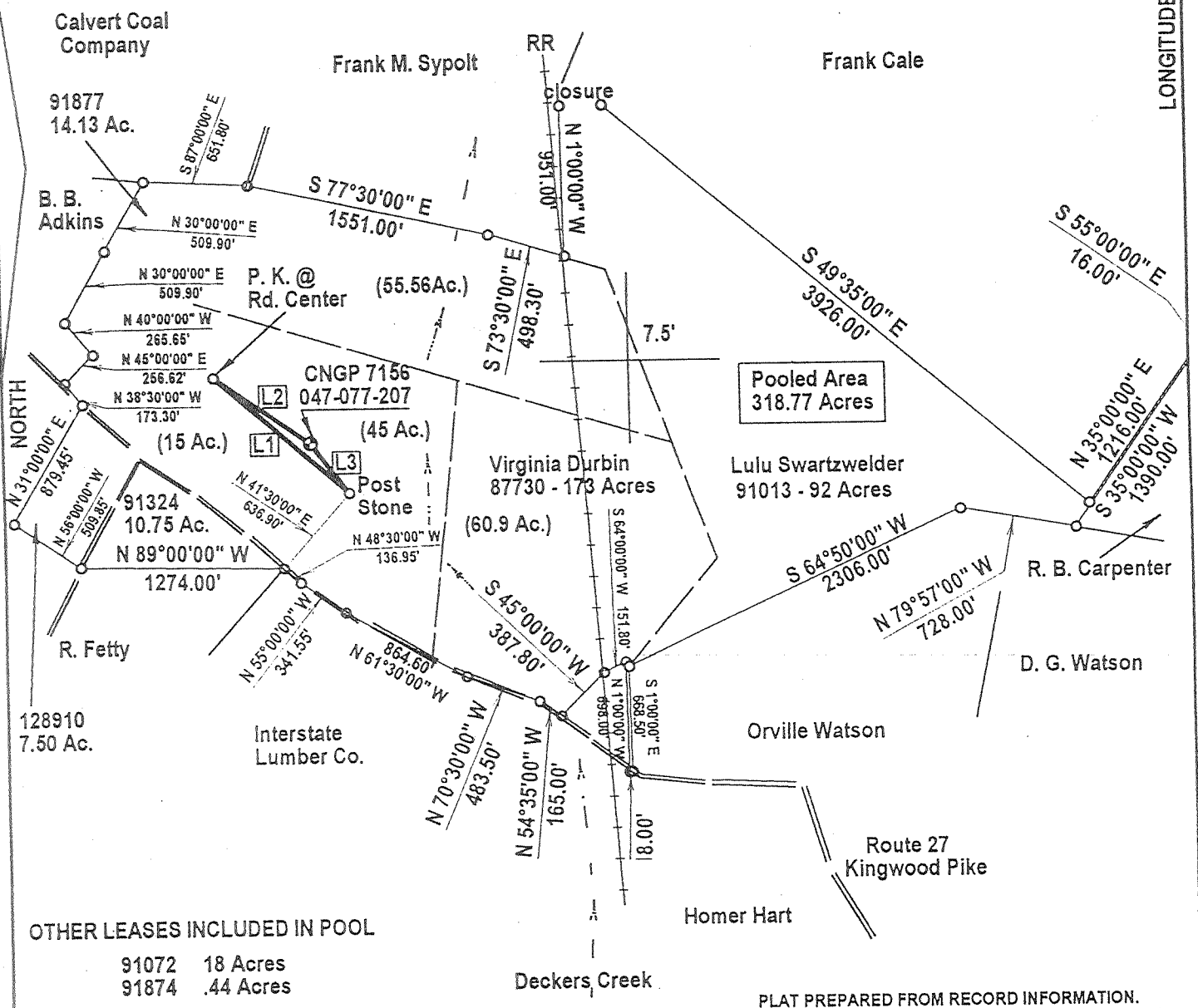
LATITUDE 39 - 32 - 30

7,000'

7,100'

LONGITUDE 79 - 47 - 30

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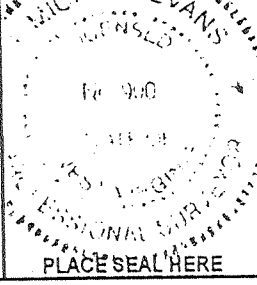
PLAT PREPARED FROM RECORD INFORMATION. DOES NOT REPRESENT AN UPDATED FIELD SURVEY.

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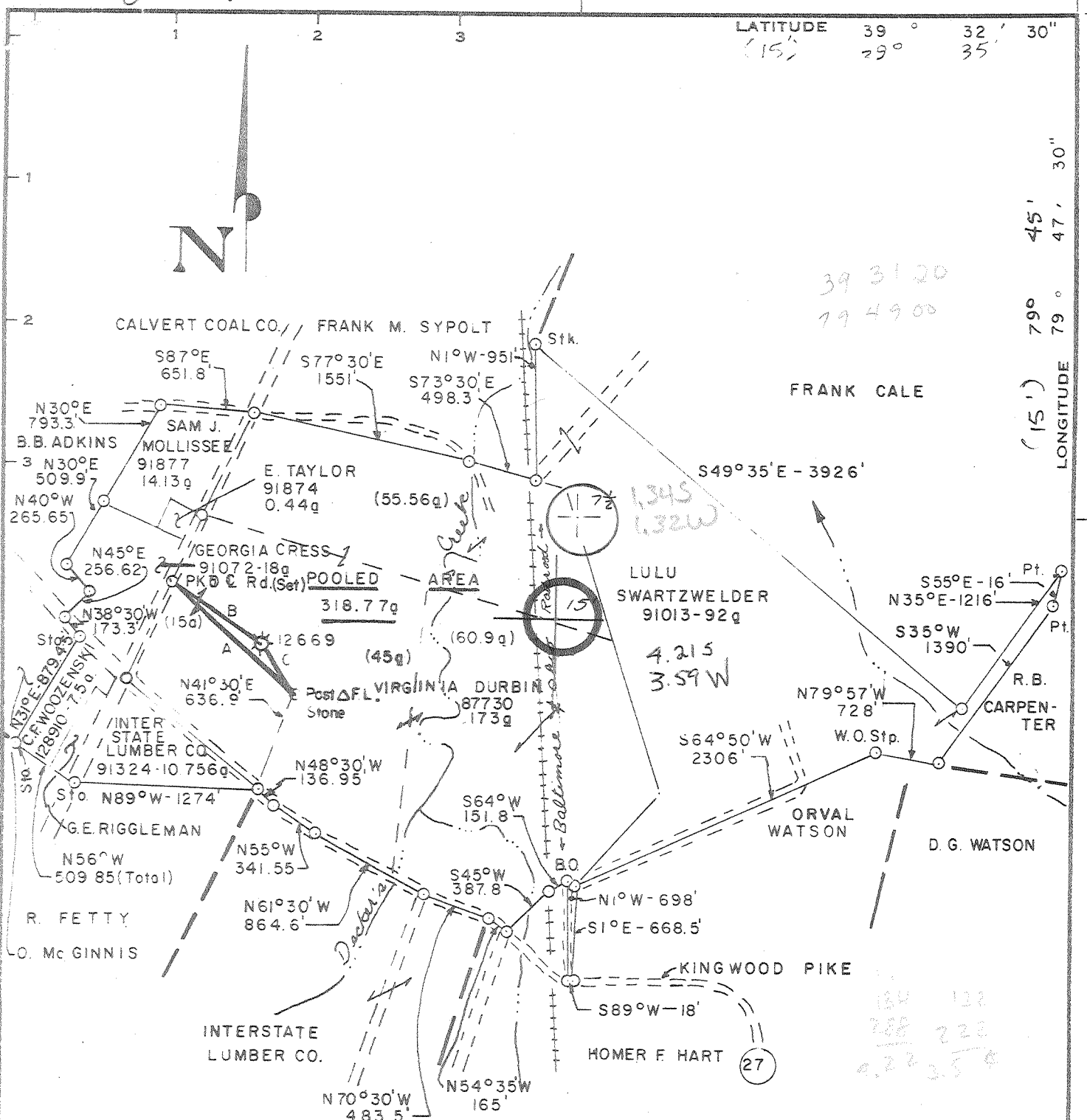
(SIGNED) *J. Michael Evans*
 J. Michael Evans, PS 900



STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS #10 McJUNKIN ROAD NITRO, WV 25143-2506 FORM WW-6	LAND SURVEYING SERVICES 21 CEDAR LANE, BRIDGEPORT, WV 26330 PHONE: 304-842-2018 OR 842-5762	DATE: March 13, 2000
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LOCATION: ELEVATION 1,736' WATERSHED Deckers Creek DISTRICT Valley COUNTY Preston		API WELL NO. 47 - 077 - 0207 P
QUADRANGLE Masontown 7.5'		STATE COUNTY PERMIT
SURFACE OWNER Jack E. & Mary E. Murray		LEASE NUMBER 87730
OIL & GAS ROYALTY OWNER Virginia Durbin		ACREAGE 41.018 LEASE ACREAGE 318.77 (pooled)
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE (SPECIFY) Plug & Abandon		
TARGET FORMATION Oriskany		PLUG & ABANDON ___ CLEAN OUT & REPLUG ___ ESTIMATED DEPTH 7,835'
WELL OPERATOR CNG Producing Company		DESIGNATED AGENT Rodney J. Biggs
ADDRESS Rt. 2, Box 698, Bridgeport, WV 26330		ADDRESS Rt. 2, Box 698, Bridgeport, WV 26330

COUNTY NAME PERMIT PRE 0207 P

MAR 13 2000



LATITUDE 39° 32' 30"
(15) 29° 35'

LONGITUDE 79° 47' 30"
(15) 79° 45'

WELL TIES:
 A-S48°30'E-1119' (341m)
 B-S54°47'E-731' (223m)
 C-N37°07'W-401' (122m)

Minimum Error of Closure 1' IN 200'
 Source of Elevation BM - ROAD FORK EI. = 1774'
MASONTOWN TOPO - 7 1/2'
 "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

New Location
 Drill Deeper
 Abandonment

M.S. 933 S-G E-3 F.B. 2042 PG. 1-2

Company CONSOLIDATED GAS SUPPLY CORP.
 Address CLARKSBURG, W.V.
 Farm VIRGINIA DURBIN
 Tract _____ Acres 173g Lease No. 87730
 Well (Farm) No. _____ Serial No. 12669
 Elevation (Spirit Level) 1736' MORGANTOWN 15'
 Quadrangle MASONTOWN TOPO - 7 1/2' 3E
 County PRESTON District VALLEY
 Engineer Darrell M. Radcliffe
 Engineer's Registration No. LLS #74
 File No. _____ Drawing No. _____
 Date 9-15-80 Scale 1" = 1000'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. 077-0207

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000 latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

DEEP WELL ⁶⁴ SOUTH BURNS CHAPEL 7925 ORISKANY / 313 8021



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division
WELL RECORD

RECEIVED
JAN 12 1981

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle Masontown
Permit No. 47-077-0207

Rotary X Oil _____
Cable _____ Gas X
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Company Consolidated Gas Supply Corp.
Address 445 W. Main St., Clarksburg, WV
Farm Virginia Durbin Acres 318.77 Unit _____
Location (waters) Deckers Creek
Well No. 12669 Elev. 1736
District Valley County Preston
The surface of tract is owned in fee by _____
Jack E. Murray
Address Reedsville, WV
Mineral rights are owned by V. K. Durbin, Act.
21 Fern Ave
Address Mt. Vernon, Ohio 43050
Drilling Commenced October 4, 1980
Drilling Completed November 2, 1980
Initial open flow 0 cu. ft. _____ bbls.
Final production 1958M cu. ft. per day _____ bbls.
Well open N.A. hrs. before test 11 day 2650 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10" 13 3/8"	205	205	To surface
9 5/8	1559	1559	To surface
8 5/8			
7			
5 1/2			
4 1/2	802 1/2	802 1/2	400 Sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well fractured in Chert with 80,000# sand, 1000 bbls. 5% Hcl & 2000 gals. 15% Hcl.
Perforations: 7706 - 7720 with 1 1/2 holes, 7726 - 7730 with 1 1/2 holes, 7750 - 7760 with 10 holes & 7780 - 7781 with 1 1/2 holes. Total 32 holes.

Coal was encountered at 108 Feet 1 1/8 Inches
Fresh water 68, 108 & 135 Feet Salt Water _____ Feet
Producing Sand Chert Hunt Depth See perforations

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Sand			20	98		
Shale			98	108		
Coal			108	112		
Sand & Shale			112	850		
Red Rock			850	876		
Sand & Shale			876	1798		
Red Rock			1798	2347		
Shale & Sand			2347	7235		
Lime			7235	7301		
Shale			7301	7656		
Lime			7656	7664		
Chert			7664	7835		
Oriskany			7835	7885		
Lime <u>Held</u>			7885	7995		
KBM 15' above G. L. Gamma Ray Tops						
fully			7232			
Onondaga			7641			
Chert			7664			
Oriskany			7835			
Total Depth				7660		
						Consolidated Gas Supply Corp. 445 West Main Street Clarksburg, West Virginia
						Manager of Prod.

(over)

* Indicates Electric Log tops in the remarks section.

JAN 26 1981



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

SEP 22 1980

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE September 18, 1980

Surface Owner Jack E. Murray
Address Reedsville, WV
Mineral Owner V. K. Durbin, Agt.
Address 21 Fern Ave., Mt. Vernon, Ohio 43050
Coal Owner Jack E. Murray
Address Reedsville, WV
Coal Operator None
Address _____

Company Consolidated Gas Supply Corp.
Address 445 W. Main St., Clarksburg, WV
Farm Virginia Durbin Acres 318.77 (Unit
Location (waters) Deekers Creek
Well No. 12669 Elevation 1736'
District Valley County Preston
Quadrangle Masontown

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 5-22-81.

[Signature]
Deputy Director - Oil & Gas Division

INSPECTOR
TO BE NOTIFIED William Blosser
ADDRESS P. O. Box 1028, Colfax, WV 26566
PHONE 363-9105

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated November 10, 1974 by Virginia Durbin et al made to Consolidated Gas Supply Corp. and recorded on the 22nd day of January 1975, in Preston County, Book 451 Page 604

NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Very truly yours,
(Sign Name) R. L. [Signature] Manager of Prod.
Well Operator
Address Consolidated Gas Supply Corp.
of Street
Well Operator 445 West Main Street
City or Town Clarksburg, West Virginia 26301
State State

*SECTION 3... If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit recognizing the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

47-077-0207 PERMIT NUMBER

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Ray Resources NAME R. E. Bayne
 ADDRESS Charleston, WV ADDRESS Bridgeport, WV
 TELEPHONE _____ TELEPHONE 623-8000
 ESTIMATED DEPTH OF COMPLETED WELL: 7925' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 TYPE OF WELL: OIL _____ GAS X COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	FEET IN WELL	CEMENT LIFT UP OR SACKS - CUBIC FT
20 - 16			
11 1/4 13 3/8"	30'	30'	
9 - 5/8	1550'	1550'	To surface
8 - 5/8			
7			
5 - 1/2			
4 - 1/2	7925'	7925'	200 sks.
2			Perf. Top
2			Perf. Bottom
2			Perf. Top
2			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS Unknown
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title

WR -35

Date 07/2/2009 P+P
API # 47-077-00207 Frae

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Farm Name: Murray
LOCATION:

Operator Well No.: 912081

Preston County - Valley District
- Masontown 7.5 Quad
Lat. 39.32.30 S 7175
Long 79.47.30W 7200
Elevation 1729'
Watershed: Deckers Creek

Company: Chesapeake Energy
P.O. Box 6070
Charleston, WV 25362-000

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill-Up Cu.Ft.
13 3/8"	GL 33 ft	GL 212 ft	CTS
9 5/8"	GL 1,579 ft	GL 1,579 ft	CTS
4 1/2"	GL 7,950	GL 7,950	400 sks

Agent: Michael John
Inspector: Bill Hatfield
Date Permit Issued: 10/2/06
Date Well work commenced: 3/27/07
Date Well Work completed: 3/27/07
Verbal Plugging Permission
Granted on / /
Rotary Cable Rig
Total Depth (ft): DTD: 8,024' (PBSD): 4,025'
Fresh Water Depth (ft): NA
Salt Water Depth (ft.): NA
Is coal being mined in area (Yes No
Coal Depths (ft):

*03/22/07 sq. cement w/300 sxs LTOC @ 2916'

Open Flow Data

1 st Producing Formation		Riley	Benson
	Pay Zone Depth	3,793 ft to 3,804 ft	3,855 ft to 3,867 ft
Gas: Initial Open Flow	Mcf/day	Oil: Initial Open Flow	bbbl/day
Final Open Flow	80 Mcf/day	Final Open Flow	bbbl/day
Time of Open Flow between Initial and Final Tests	4 hours		
Static Rock Pressure	psig after 72 hours		
Static Rock Pressure	N/A psig 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: _____
 CHESAPEAKE APPALACHIA, LLC
By: _____
Date: _____

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Perforated Intervals

1 st Stage	Benson	16	holes from	3,859 ft to 3,867 ft
	Benson	4	holes from	3,855 ft to 3,857 ft
	Riley	12	holes from	3,798 ft to 3,804 ft
	Riley	4	holes from	3,793 ft to 3,795 ft
Squeeze Perfs		8	holes from	3,929 ft to 3,929 ft

Bridge Plug set at 4,025 ft

	Marcellus	35	holes from	7,562 ft to 7,650 ft
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Bridge Plug set at 7,720 ft

	Chert	14	holes from	7,706 ft to 7,720 ft
	Chert	4	holes from	7,726 ft to 7,730 ft
	Chert	10	holes from	7,750 ft to 7,760 ft
	Chert	4	holes from	7,780 ft to 7,784 ft

Fracturing / Stimulation

1 st Stage	Benson and Riley	Type of Treatment	60Q Foam
	Total Acid 500 Gal of 15% HCl		Breakdown Pressure 3321 psi
	Average Rate 9.8 scf/min <input type="checkbox"/> or bpm <input checked="" type="checkbox"/>		ATP 3512 psi
	Total Fluid 1,328bbls	Total Nitrogen 832,000 scf	Total Sand 70,000 lb of 20/40 M
	ISIP 2816 psi		

Attempted to frac Marcellus but was unable to. Could not establish rate.

Well Log

See previous WR-35 form for Well Log information

Cast Iron Bridge Plugs set at 4,025 ft and 7,720 ft

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