

AD ✓

NAD 27 WV NORTH SPC:

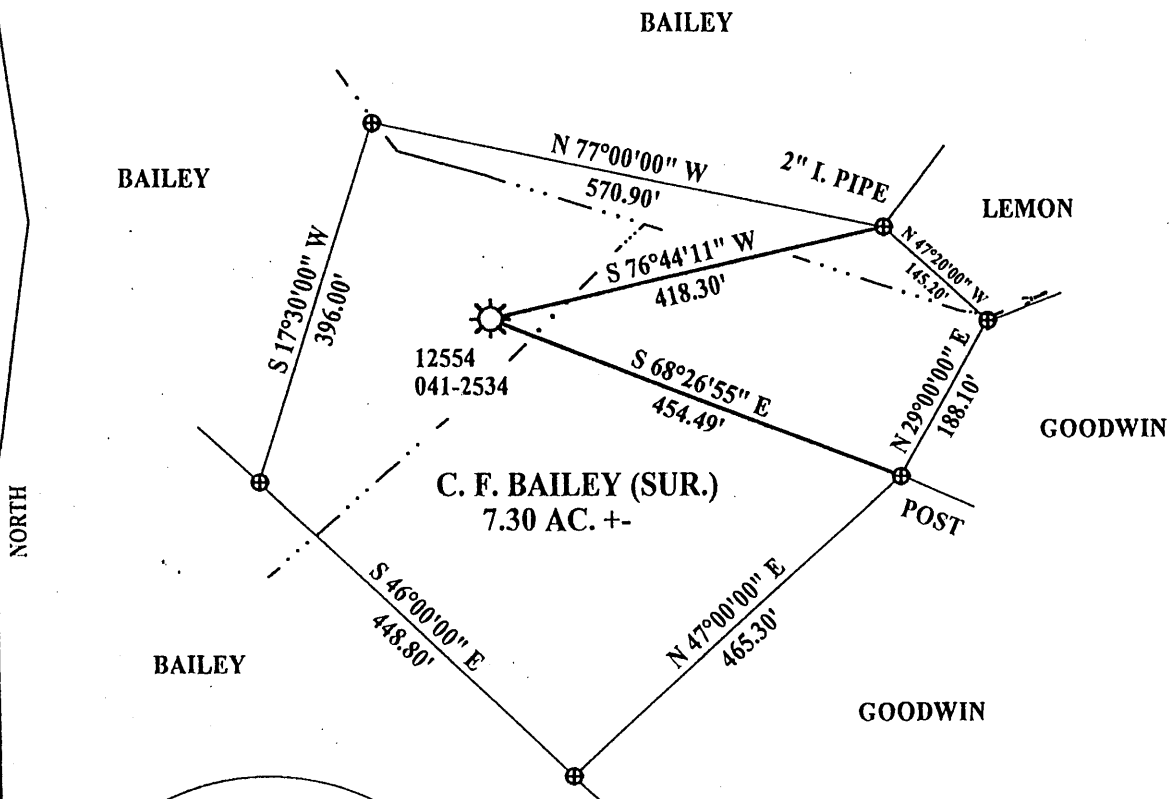
LATITUDE 39-07-30

12554 = 224,996.00'
1,726,298.17'

SCALED COOR.:

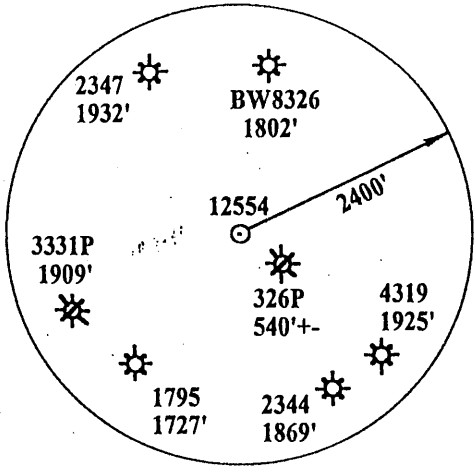
4,090' SOUTH
1,820' WEST

LONGITUDE 80-27-30



NAD 27:
39-06-49.36
80-27-52.55

C. F. BAILEY (SUR.)
7.30 AC. +/-



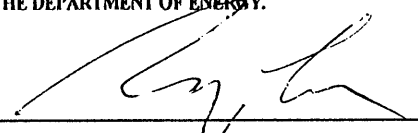
NOTES: LATITUDE, LONGITUDE, WELL AND CORNER TIES FROM DGPS SUBMETER SURVEY.

SURFACE, ADJOINER AND BOUNDARY INFORMATION FROM COURT HOUSE.

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

FILE NUMBER: _____
DRAWING NUMBER: 12554.PCS
SCALE: 1" = 200'
MINIMUM DEGREE OF ACCURACY: 1 IN 200'
PROVEN SOURCE OF ELEVATION: DGPS SURVEY
SUBMETER SYSTEM

I THE UNDERSIGNED, HEREBY STATE 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, P.S. #674


PLACE SEAL HERE

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
#10 McJUNKIN ROAD
NITRO, WV 25143-2506

LAND SURVEYING SERVICES
21 CEDAR LANE, BRIDGEPORT, WV 26330
PHONE: 304-842-2018 OR 842-5762

DATE: APRIL 19, 2002

OPERATORS WELL NO.: 12554

API WELL NO. 47 - 041 - 02534 F

STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1043.30' WATERSHED MCCANN RUN

DISTRICT FREEMANS CREEK COUNTY LEWIS

QUADRANGLE WESTON LEASE NUMBER FK064402

SURFACE OWNER CHARLES F. BAILEY ACREAGE 7.30

OIL & GAS ROYALTY OWNER C. BURKE MORRIS LEASE ACREAGE 52.00

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

TARGET FORMATION Fifth Sand PLUG & ABANDON ___ CLEAN OUT & REPLUG ___
ESTIMATED DEPTH 2018

WELL OPERATOR DOMINION TRANSMISSION, INC. DESIGNATED AGENT JAMES D. BLASINGAME

ADDRESS 445 W. MAIN ST., CLARKSBURG, WV 26301 ADDRESS 445 W. MAIN ST., CLARKSBURG, WV 26301

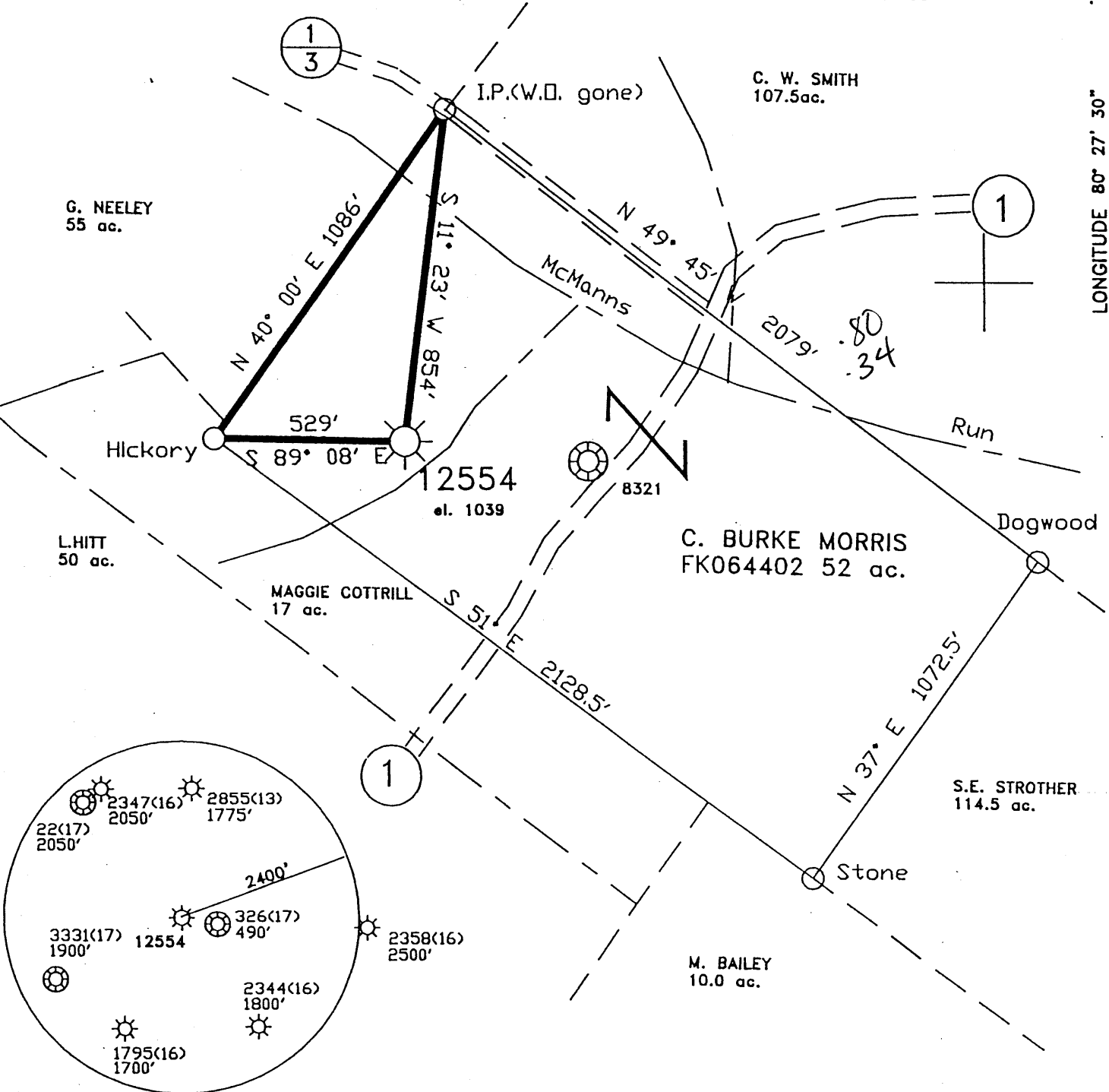
COUNTY NAME LEW PERMIT 2534 F

MAY 17 2002

1780'

LATITUDE 39° 07' 30"

4180'
05.42 08 EDMUNNOT

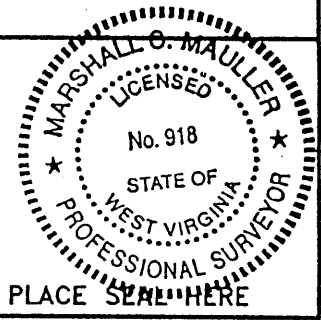


FB 1925 Pg. 32-33
FB 1937 Pg. 1 SURVEYED AUGUST 1978

Q 118131 ff 4220193

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION CNG TRANSMISSION
 WELL 8321 EL. 1064

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) Marshall C. Mauller
 R.P.E. _____ P.S. 918



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

DATE MARCH 04 20 00
 OPERATOR'S WELL NO. 12554
 API WELL NO. _____
47 - 041 - 02534 F
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1039 WATER SHED WEST FORK
 DISTRICT FREEMAN'S CREEK COUNTY LEWIS
 QUADRANGLE WESTON 7 1/2'
 SURFACE OWNER CHARLES F. BAILEY ACREAGE 7.3 ac.
 OIL & GAS ROYALTY OWNER C. BURKE MORRIS LEASE ACREAGE 52 ac.
 LEASE NO. FK064402
 PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

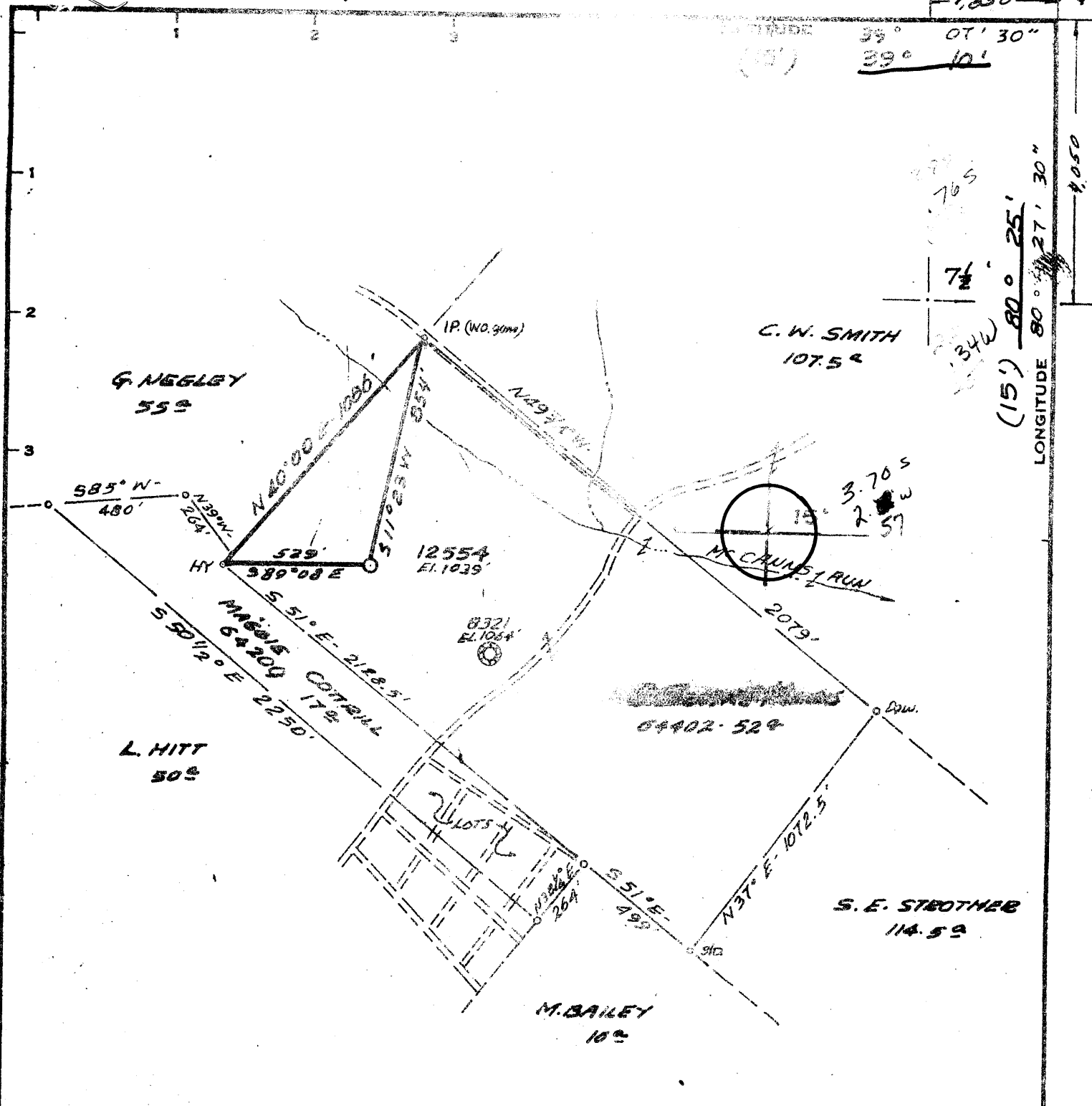
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION _____ ESTIMATED DEPTH _____
 WELL OPERATOR CNG TRANSMISSION CORP. DESIGNATED AGENT James D. Blasingame
 ADDRESS 445 W. MAIN STREET ADDRESS 445 W. MAIN STREET
CLARKSBURG, WEST VIRGINIA CLARKSBURG, WEST VIRGINIA

MAP 37 2000

LEW 2534 F

1710
1850

LONGITUDE 39° 07' 30"
39° 10'



Minimum Error of Closure 1' in 200'
 Source of Elevation LEVELS FROM CONSOLIDATED GAS SUPPLY CORP WELL 8321 EL. 1064'
 "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

FB 1937 PG 1
 MAP SHEET 57 524 EB FB 1925 PG 32-33

Company CONSOLIDATED GAS SUPPLY CORP
 Address CLARKSBURG, W.V.A.
 Farm G. BURKE MORRIS C. FRED BAILLEY
 Tract _____ Acres 52 Lease No. 64402
 Well (Farm) No. _____ Serial No. 12554
 Elevation (Spirit Level) 1039' WC
 Quadrangle WESTON, W.V.A.
 County LEWIS District FRESMANS CIRC
 Engineer Harrell M. Kadcliffe
 Engineer's Registration No. 16274
 File No. _____ Drawing No. _____
 Date 8-25-78 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. LEW - 2534

+ 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.

47-04 | OCT 19 1978

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Reviewed: AMP

Well Operator's Report of Well Work

Farm name: Bailey, Charles F. Operator Well No.: 12554

LOCATION: Elevation: 1043.30' Quadrangle: Weston

District: Freemans Creek County: Lewis
Latitude: 4,090 Feet South of 39 Deg. 07 Min. 30 Sec.
Longitude: 1,820 Feet West of 80 Deg. 27 Min. 30 Sec.

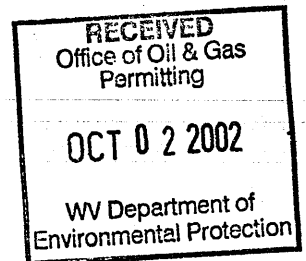
Company: Dominion Transmission, Inc

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: 445 W Main Street Clarksburg, WV 26301				
Agent: Brian Sheppard				
Inspector: Tim Bennett				
Date Permit Issued: '5/16/2002		Please see	Original	
Date Well Work Commenced:		WR-35 for	Existing	
Date Well Work Completed: 09/09/2002		Casing	Program	
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary Cable X Rig				
Total Depth (feet):				
Fresh Water Depth (ft.): N/A				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): N/A				

OPEN FLOW DATA

Producing formation Fifth Sand Pay zone depth (ft) 2004-2031'
Gas: Initial open flow - MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 750 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 12 Hours
Static rock Pressure 63 psig (surface pressure) after 12 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: Brian Sheppard
By: Brian Sheppard
Date: 9-25-02

ML OCT 25 2002

LEW 0534 F

WELL 12554

09/09/02 PERFORATE AND FRAC AS FOLLOWS:

09/23/2002

FIFTH SAND - PERFORATE 2004' - 2031' W/20 HOLES, 500 GAL 15% ACID, BREAKDOWN 642 PSIG,
ISIP START 529 PSIG, 25490 LBS 20/40 SAND, 338 BBLS - SBM 20# DELTA FRAC 140 GEL,
AVG RATE 18.9 BPM, AVG PRESS 1858 PSIG, ISIP END 1636 PSIG.

PERFORATION LOG

WELL NO. 12554

DATE 09/23/2002

WELL TYPE OIL

PERFORATION DEPTH 2004' - 2031'

PERFORATION HOLES 20

PERFORATION SIZE 1/2"

PERFORATION PRESSURE 642 PSIG

PERFORATION FLUID 15% ACID

PERFORATION VOLUME 500 GAL

PERFORATION RATE 18.9 BPM

PERFORATION PRESSURE 1858 PSIG

PERFORATION ISIP START 529 PSIG

PERFORATION ISIP END 1636 PSIG

PERFORATION SAND 25490 LBS

PERFORATION GEL 338 BBLS

PERFORATION GEL TYPE SBM 20# DELTA

PERFORATION GEL VOLUME 338 BBLS

PERFORATION GEL RATE 18.9 BPM

PERFORATION GEL PRESSURE 1858 PSIG

PERFORATION GEL ISIP START 529 PSIG

PERFORATION GEL ISIP END 1636 PSIG

PERFORATION GEL SAND 25490 LBS

PERFORATION GEL SAND RATE 18.9 BPM

PERFORATION GEL SAND PRESSURE 1858 PSIG

PERFORATION GEL SAND ISIP START 529 PSIG

PERFORATION GEL SAND ISIP END 1636 PSIG

PERFORATION GEL SAND SAND 25490 LBS

PERFORATION GEL SAND SAND RATE 18.9 BPM

PERFORATION GEL SAND SAND PRESSURE 1858 PSIG

PERFORATION GEL SAND SAND ISIP START 529 PSIG

PERFORATION GEL SAND SAND ISIP END 1636 PSIG

PERFORATION GEL SAND SAND SAND 25490 LBS

PERFORATION GEL SAND SAND SAND RATE 18.9 BPM

PERFORATION GEL SAND SAND SAND PRESSURE 1858 PSIG

PERFORATION GEL SAND SAND SAND ISIP START 529 PSIG

PERFORATION GEL SAND SAND SAND ISIP END 1636 PSIG

PERFORATION GEL SAND SAND SAND SAND 25490 LBS

PERFORATION GEL SAND SAND SAND SAND RATE 18.9 BPM

PERFORATION GEL SAND SAND SAND SAND PRESSURE 1858 PSIG

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PERFORATION GEL SAND SAND SAND SAND SAND SAND SAND 25490 LBS

PERFORATION GEL SAND SAND SAND SAND SAND SAND SAND RATE 18.9 BPM

PERFORATION GEL SAND SAND SAND SAND SAND SAND SAND PRESSURE 1858 PSIG

09/23/02

WELL 12554



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

MAR - 5 1979

OIL & GAS DIVISION
 Rotary Cable Oil Gas Gas
 Recycling Comb. Storage
 Water Flood Disposal (Kind)

Quadrangle Weston

Permit No. LEW-2534
17-041

Company Consolidated Gas Supply Corp.
 Address 115 W. Main St., Clarksburg, WV
 Farm C. Burke Morris Acres 52
 Location (waters) McCanns Run
 Well No. 12554 Elev. 1039'
 District Freemans Creek County Lewis
 The surface of tract is owned in fee by C. Fred Bailey
 Address Jane Lew, WV
 Mineral rights are owned by French M. Williams
 Address Falls Mills, WV 26620
 Drilling Commenced October 13, 1978
 Drilling Completed October 23, 1978
 Initial open flow 133M cu. ft. _____ bbls.
 Final production 1100M cu. ft. per day _____ bbls.
 Well open 1 hrs. before test 120# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. <u>1200 13 3/8"</u>	<u>263'</u>	<u>263'</u>	To surface
9 5/8			
8 5/8	<u>1729'</u>	<u>1729'</u>	To surface
7			
5 1/2			
4 1/2	<u>3206'</u>	<u>3206'</u>	100 Sks.
3			
2			
Liners Used			

Attach copy of cementing record.

Well fractured in Balltown with 84,000# Sand, 900 bbls. of water & 1000 Gals. 15% Hcl.
 Perforations: 2955-2957', 2970-2972', 2981-2982' & 2986-2987'. Total 15 holes.

Coal was encountered at 115' 310' Feet 60" 60" Inches
 Fresh water 25' 365' Feet _____ Salt Water 810' Feet _____
 Producing Sand Balltown Depth See perforations

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	10		
Shale & Sand			10	145	Water	25' Wet
Coal			145	150		
Sand & Shale			150	310		
Coal			310	315	Water	365' 1" Stream
Shale & Sand			315	1025	Water	810' 1" Stream
Red Rock			1025	1050		
Sand			1050	1060		
Red Rock & Shale			1060	1125		
Little Lime			1125	1140		
Shale			1140	1160		
Big Lime			1160	1230		
Big Injun			1230	1330		
Shale & Sand			1330	1515		
Gantz			1515	1525	Gas	2964' 133M
Shale & Sand			1525	2015	Gas	3185' 41M
5th			2015	2050	Gas	3960' 41M
Shale & Sand			2050	4070	Gas	4052' 46M
Benson			4070	4085	Gas	4227' 133M
Sand & Shale			4085	4225	T.D.	
KBM 11' above G. L.						

(over)

* Indicates Electric Log tops in the remarks section.

MAR 21 1979

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Gamma Ray Tops from K.B. Elevations						
Big Lime			1163	1232		
Big Injun			1244	1335		
Gantz			1526	- -		
Gantz-A			- -	1573		
50'			1622	1681		
Gordon Stray			1754	- -		
Gordon			- -	1851		
4th			1887	1910		
5th			2017	2050		
Warren			2403	2442		
Upper Speechley			2612	2652		
Speechley			2730	2750		
Balltown			2831	3003		
Bradford			3394	3503		
Riley			3832	4002		
Benson			4060	4070		
Total Depth				4227		

Date March 2, 1979

APPROVED Consolidated Gas Supply Corp. Owner

By *J. R. Payne* Manager of Prod.
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
SEP 15 1978

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 19, 1978

Surface Owner C. Fred Bailey

Company Consolidated Gas Supply Corp.

Address Jane Lew, WV

Address 1115 W. Main St., Clarksburg, WV

Mineral Owner French M. Williams

Farm C. Burks Morris Acres 52

Address Falls Mills, WV 26620

Location (waters) McCanns Run

Coal Owner Wayne Frashuer

Well No. 1255h Elevation 1039'

Address Jane Lew, WV

District Freemans Creek County Lewis

Coal Operator None

Quadrangle Weston

Address _____

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 2-4-79.

Robert T. Bates

Deputy Director - Oil & Gas Division

INSPECTOR
TO BE NOTIFIED Robert Bates

ADDRESS 109 Minnich St., Weston, WV 26152

PHONE 269-3820

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 September 14, 1950 by C. Burke Morris made to Hope Natural Gas Co. and recorded on the 20th day of November 1952, in Lewis County, Book 222 Page 10

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) *[Signature]*
Well Operator

Address of Well Operator Consolidated Gas Supply Corp.
Street 1115 West Main Street
City or Town Clarksburg, West Virginia
State West Virginia

*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 reciting 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.

Originally telecopied

BLANKET BOND

LEW-2534 PERMIT NUMBER
47-041

