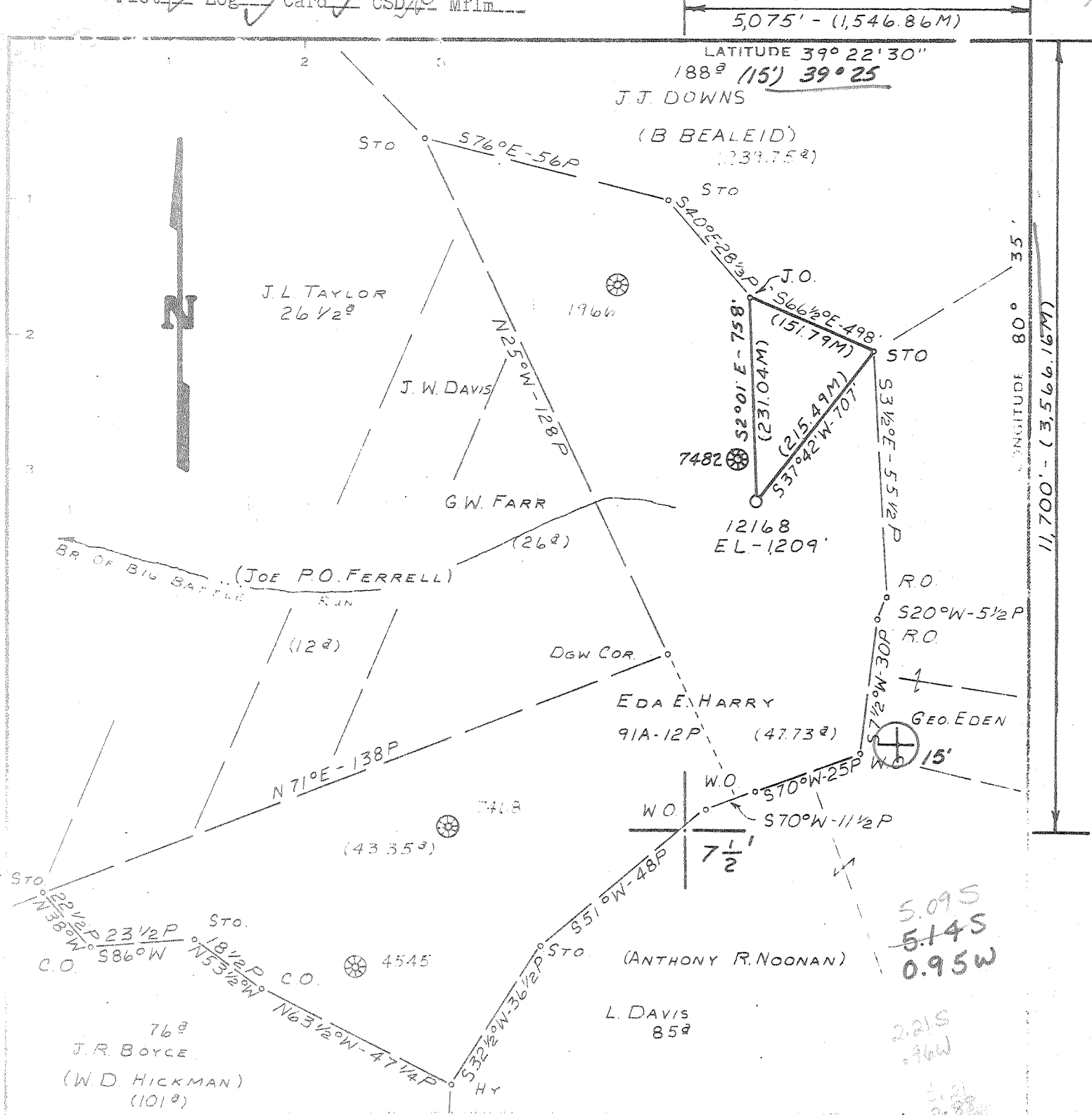


5,075' - (1,546.86M)

LATITUDE 39° 22' 30"

188° (15') 39° 25'

J.T. DOWNS



LONGITUDE 80° 35'
11,700' - (3,566.167M)

Amount of Closure 1" IN 200'
 Station of Closure BM = ROAD CORNER EL. 900' SALEM 7 1/2
 TOPO SHEET

5.095
5.145
0.95W
2.83
5.09

Not a Survey X
 Draft Copy
 Management

MAP SHEET 54-S8E1 FB. 1799 Pg. 31-39

Company CONSOLIDATED GAS SUPPLY CORP
 Address CLARKSBURG W.VA.
 Name EDA E. HARRY (SAME)
 Tract Area 91° 12P Lease No. 80621
 Well (Farm) No. 12168
 Elevation (Spirit Level) 1,209'
 Quadrangle SALEM 7 1/2 CENTERPOINT 15'
 County DODDRIDGE DISTRICT McCLELLAN
 Engineer Jackson M. Jarvis
 Engineers Registration No. 2397
 File No. Drawing No.
 Date 8-11-76 Scale 1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 GAS DIVISION
 CHARLESTON
 WELL LOCATION MAP
 FILE NO. DOD-1842

Indicates location of well on United States
 Topographic Maps, scale 1 to 24,000 latitude
 and longitude lines being represented by border
 lines as shown.
 NOV 18 1976
 Denotes one inch spaces on border line of
 original tracing.
 47-017 NOV 16 1976



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

WELL RECORD

Quadrangle CENTERPOINT

Permit No. DODD-1842

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

Company Consolidated Gas Supply Corporation
Address Clarksburg, W. Va.
Farm Eda E. Harry Acres 90
Location (waters) Big Battle Run
Well No. 12168 Elev. 1209'
District McClellan County Doddridge
The surface of tract is owned in fee by _____
Eda D. Harry
Address 506 Elk Ave, Nutter Fort, W.V.
Mineral rights are owned by Same
Address _____
Drilling Commenced 10-29-76
Drilling Completed 11-06-76
Initial open flow 103 M cu. ft. _____ bbls.
Final production 239 M cu. ft. per day _____ bbls.
Well open 4 hrs hrs. before test 1125# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size <u>xxx-16"</u>	20'	20'	To surface
Cond. <u>xxxx 11"</u>	213'	213'	To surface
9 5/8			
8 5/8	1802'	1802'	To surface
7			500 bags
5 1/2			
4 1/2	5312'	5312'	150 bags
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Treated Benson with 912 bbl water, 51,000# sand and 500 gal 15% acid.

Perforations: 5194-99' with 20 holes

Coal was encountered at 850' 1604' Feet 60" 96" Inches
Fresh water None Feet _____ Salt Water None Feet _____
Producing Sand Benson Depth 5194-99'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			0	850		No water encountered
Coal			850	855		
Sand & Shale			855	1604		
Coal			1604	1612		
Sand & Shale			1612	2040		
Little Lime			2040	2100		
Big Lime			2100	2155		
Big Injun			2155	2260		
Sand & Shale			2260	2729		
50' Sand			2729	2800		
4th Sand			3083	3088		
5th Sand			3156	3185		
Bayard			3210	3230		
Warren			3524	3556		
Speechley			3872	3900	Gas	3853'
Balltown			4030	4162		
Bradford			4606	4721		
Riley			4952	5110		
<u>Benson</u>			- 5198	5205	Gas	5194-99'
Total Depth				5322'		

KBM 10' above GL

Clarksburg, W. Va.
Consolidated Gas Supply
445 West Main Street

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
OCT 24 1976

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE October 22, 1976

Surface Owner Eda E. Harry

Company Consolidated Gas Supply Corporation

Address 506 Elk Ave, Nutter Fort, WV

Address Clarksburg, W. Va.

Mineral Owner Same

Farm Eda E. Harry Acres 90

Address _____

Location (waters) Big Battle Run

Coal Owner Same

Well No. 12168 Elevation 1209'

Address _____

District McClellan County Doddridge

Coal Operator None

Quadrangle CENTERPOINT

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 2-27-77

INSPECTOR Paul Garrett
TO BE NOTIFIED

ADDRESS Clarksburg, W. Va.

PHONE 622-3871

Robert R. [Signature]
Deputy Director - Oil & Gas Division

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 5-7-71 19 by Eda E. Harry made to Consolidated Gas Supply and recorded on the 9th day of July 1971 in Doddridge County, Book 94 Page 605

XXX 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.

Very truly yours, [Signature] Mgr. of Prod.
(Sign Name) _____
Well Operator

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

Address
of
Well Operator

Consolidated Gas Supply Corporation
Street
445 West Main Street
City or Town
Clarksburg, W. Va.
State

I have read & understand the requirements of the reclamation act and will comply. [Signature]

*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.

BLANKET BOND

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

PROPOSED WORK ORDER TO XXXX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME S. W. Jack Drilling Company NAME R. E. Bayne
 ADDRESS Indiana, Pa. ADDRESS Bridgeport, W. Va.
 TELEPHONE --- TELEPHONE 623-3611
 ESTIMATED DEPTH OF COMPLETED WELL: 5325' ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson
 TYPE OF WELL: OIL _____ GAS XXX COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
XXXX - 16"	20'	20'	To surface
XXXXXX 11"	200'	200'	To surface
9 - 5/8			
8 - 5/8	1825'	1825'	To surface
7			
5 1/2			
4 1/2	5325'	5325'	125 Bags
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 95' FEET _____ SALT WATER ??? FEET _____
 APPROXIMATE COAL DEPTHS 860' _____
 IS COAL BEING MINED IN THE AREA? None 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