



Minimum Error of Closure 1' IN 200'

Source of Elevation USGS BM 38JEA NEAR MOUTH OF CAIN RUN ON SOUTH FORK OF HUGHES RIVER EL. 924'

"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

MAP 68 S 18 W 9 F.B. 1821 PAGES 4-13

Company CONSOLIDATED GAS SUPPLY CORP
 Address CLARKSBURG, WEST VIRGINIA
 Farm L.M. STOUT, Dr. A.S. Swartzman
 Tract Acres 417 Lease No. 41994
 Well (Farm) No. Serial No. 12257
 Elevation (Spirit Level) 1089.17' NE
 Quadrangle HOLBROOK (NORTHEAST SEC.) 15 MIN. SEC.
 County DODDRIDGE District SOUTHWEST
 Engineer _____
 Engineer's Registration No. 233
 File No. _____ Drawing No. _____
 Date JAN.-7-1977 Scale 1" = 1000'

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

WELL LOCATION MAP
 FILE NO. DODD-1856

• Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

47-017 MAY 13 1977



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

AUG 28 1977

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

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

Quadrangle HOLBROOK
Permit No. DODD-1856

Company Consolidated Gas Supply Corporation
Address Clarksburg, W. Va.
Farm L. M. Stout Acres 417
Location (waters) Hughes River
Well No. 12257 Elev. 1089'
District Southwest County Doddridge
The surface of tract is owned in fee by _____
A. S. Swartzman
Address Washington D. C.
Mineral rights are owned by L. M. Stout
Address Blandville, W. Va.
Drilling Commenced 7-6-77
Drilling Completed 7-13-77
Initial open flow Show cu. ft. _____ bbls.
Final production 216 M cu. ft. per day _____ bbls.
Well open 14 days hrs. before test 660 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13 1/2"	20'	20'	Conductor
9 5/8			
8 5/8	439'	439'	To surface
7			
5 1/2			
4 1/2	2299'	2299'	200 bags
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well treated in Berea with 30,000# sand, 500 bbl water and 500 gal 15% acid
Perforations: 2264-2269' with 20 holes

Well fractured in Weir with 50,000# sand, 700 bbl water and 750 gal 15% acid
Perforations: 2064-2088' with 16 holes

Well fractured in Injun with 40,000# sand, 600 bbl water, and 750 gal 15% acid
Perforations 1870-1878' with 16 holes

Coal was encountered at None Feet _____ Inches _____
Fresh water None Feet _____ Salt Water 1270' Feet _____
Producing Sand Berea, Weir & Big Injun Depth See perms.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Red Rock			0	10		
Sand			10	25		
Red Rock			25	40		
Sand			40	65		
Red Rock			65	90		
Sand			90	148		
Red Rock			148	154		
Shale			154	165		
Sand			165	175		
Red Rock			175	200		
Sand			200	215		
Red Lime			215	230		
Red Rock			230	250		
Shale			250	418		
Lime			418	445		
Red Rock			445	450		
Sand			450	520		
Red Rock-Shale			520	545		
Sand			545	575		
Red Rock-Shale			575	650		
Red Rock			650	670		
Shale			670	750		
Red Rock-Shale			750	835		
Shale			835	966		

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			966	1095		
Shale			1095	1200		
Sand			1200	1215		
Shale			1215	1240		
Sand			1240	1300	Water	1270' Salt
Shale			1300	1445		
Sand			1445	1545		
Shale			1545	1690		
Red Rock			1690	1710		
Shale			1710	1720		
Lime			1720	1740		
Shale			1740	1745		
Lime			1745	1755		
Shale			1755	1760		
Sand			1760	1910		
Shale			1910			
<i>Berea</i>						
Total Depth				2302'		
					<u>Gamma Ray Log Tops</u> Little Lime - 1725-1741 Blue Monday - 1745-1778 Big Lime - 1781-1828 Big Injun - 1828-1914 Weir - 2058-2161 Berea - 2263-2271 T.D. - 2302'	

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

Date

APPROVED

By



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE April 21, 1977

Surface Owner Dr. A. S. Swartzman
Address 2007 Nichol Ave. Washington DC

Company Consolidated Gas Supply Corporation
Address Clarksburg, W. Va.

Mineral Owner L. M. Stout
Address Blandville, W.V.

Farm L. M. Stout Acres 417
Location (waters) Hughes River

Coal Owner Beyond the commercial limits
Address _____

Well No. 12257 Elevation 1089'
District Southwest County Doddridge

Coal Operator None
Address _____

Quadrangle HOLBROOK

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 8-22-77.

INSPECTOR
TO BE NOTIFIED Paul Garrett

ADDRESS 321 Beech Street, Clarksburg

PHONE 622-3871

[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 3-23-98 19 by L. M. Stout 1899 made to Consol. Gas Sply Corp. and recorded on the 21th day of June 1977, in Doddridge County, Book 11 Page 481

 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.

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] Manager of Prod.
Well Operator

Address
of
Well Operator

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

DODD-1856 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

47-017

Signed by [Signature]

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

PROPOSED WORK ORDER TO XXX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Spencer Enterprises NAME R. E. Bayne
 ADDRESS West Union, W. Va. ADDRESS Bridgeport, W. Va.
 TELEPHONE --- TELEPHONE 623-3611
 ESTIMATED DEPTH OF COMPLETED WELL: 2300' ROTARY XXXX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Injun
 TYPE OF WELL: OIL _____ GAS XX COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 XXX	20'	20'	To surface
9 - 5/8			
8 - 5/8	450'	450'	To surface
7			
5 1/2			
4 1/2	2300'	2300'	125 Bags
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 95' FEET _____ SALT WATER None FEET _____
 APPROXIMATE COAL DEPTHS None _____
 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