

Minimum Error of Closure 1' IN 200'
 Source of Elevation LEVELS FROM ROAD FORKS ELEV. 2177'

"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 4 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

- New Location
- Drill Deeper
- Abandonment

MAP SHEET 71 B S45 E 21 FB. 1701 PG. 34-35

Company CONSOLIDATED GAS SUPPLY CORP.
 Address CLARKSBURG, WV.
 Farm WESLEY H. O'DELL
 Tract _____ Acres 5000 Lease No. 63948
 Well (Farm) No. _____ Serial No. 11809
 Elevation (Spirit Level) 2144'
 Quadrangle S450, WV. SW
 County UPSHUR District WASHINGTON
 Engineer Jackson M. Jarvie
 Engineer's Registration No. 2397
 File No. _____ Drawing No. _____
 Date 11-18-74 Scale 1" = 1320
REVISED

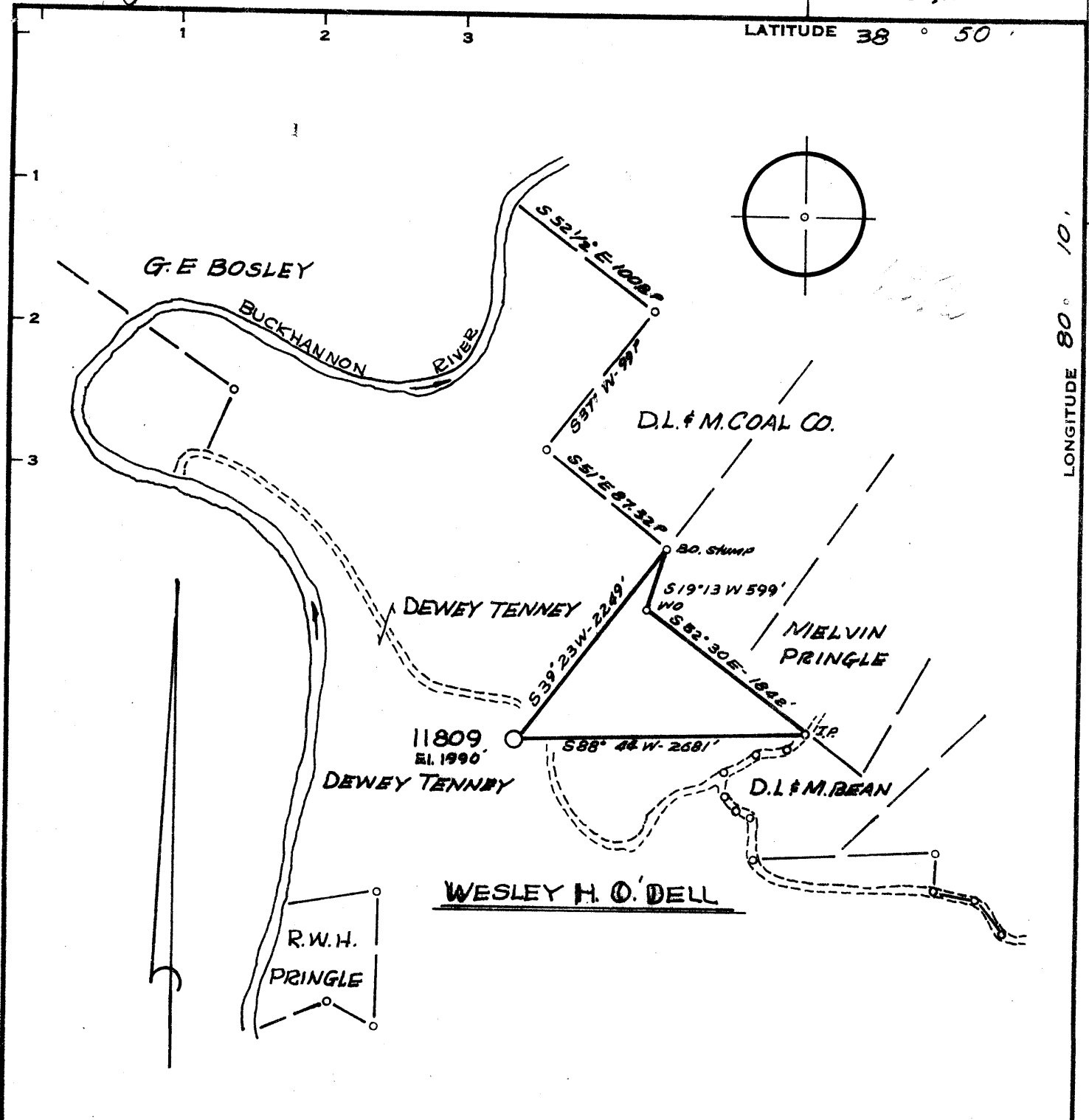
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. Ups-1574-Rev.

+ 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.

47-077 DEC 5 1974

(1-1) Alexander (356) This location actually 6745



Minimum Error of Closure 1' in 200'
 Source of Elevation LEVELS FROM ROAD FORMS EL. 2177'

"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 SHEET 71-B S45 E 21 FB 1710 PG. 32-35

Company CONSOLIDATED GAS SUPPLY CORP
 Address CLARKSBURG, W.VA.
 Farm WESLEY H. O'DELL
 Tract _____ Acres 5000 Lease No. 63888
 Well (Farm) No. _____ Serial No. 11809
 Elevation (Spirit Level) 1990'
 Quadrangle SAGE, W.VA. (SW)
 County UPSHUR District WASHINGTON
 Engineer Jackson M. Jarvis
 Engineer's Registration No. 2397
 File No. _____ Drawing No. _____
 Date 9-10-74 Scale 1" = 1320'

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

WELL LOCATION MAP
 FILE NO. Upa-1574

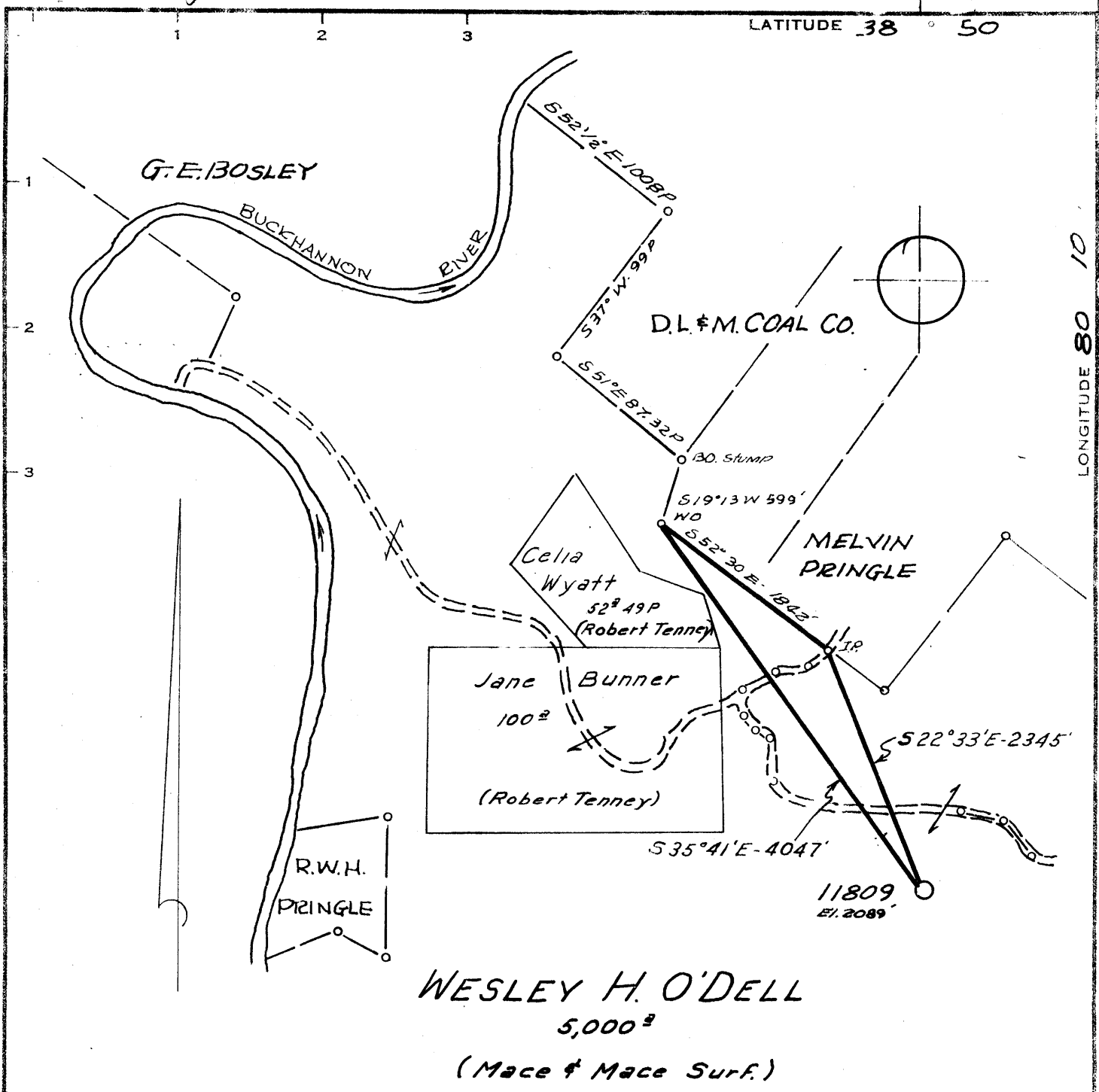
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 — Denotes one inch spaces on border line of original tracing.

47-097

6400'

LATITUDE 38° 50'

LONGITUDE 80° 10' 10" 9650'



Minimum Error of Closure 1' in 200'
 Source of Elevation LEVELS FROM ROAD FORKS EL. 2177'
 "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."

REVISED

~~Now~~ Location 11-12-74
 Drill Deeper
 Abandonment

MAP SHEET 71-B 845 E 21 FB. 1701 PG. 31-33

Company CONSOLIDATED GAS SUPPLY CORP.
 Address CLARKSBURG, W.V.
 Farm WESLEY H. O'DELL
 Tract _____ Acres 5000 Lease No. 63948
 Well (Farm) No. _____ Serial No. 11809
 Elevation (Spirit Level) 2089'
 Quadrangle SAGO, W.V. (S.W.)
 County UPSHUR District WASHINGTON
 Engineer Jackson M. Jarvis
 Engineer's Registration No. 2397
 File No. _____ Drawing No. _____
 Date 11-8-74 Scale 1" = 1320'
 REVISED

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

WELL LOCATION MAP

FILE NO. UPS-1574
 Revised Location

⊕ 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.

DEC 5 1974



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JAN 1 1975

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle Sago

Permit No. UPS-1574

Company Consolidated Gas Supply Corp.
Address Clarksburg, WV
Farm Wesley H. O'Dell Acres 5000
Location (waters) Buckhannon River
Well No. 11809 Elev. 1990
District Washington County Upshur
The surface of tract is owned in fee by _____
Dewey Tenney
Address Alton, WV
Mineral rights are owned by O. O'Dell Culpepper
Address Alton, WV
Drilling Commenced 11-20-74
Drilling Completed 11-30-74
Initial open flow _____ cu. ft. _____ bbls.
Final production 750 M cu. ft. per day _____ bbls.
Well open 14 days ~~hrs~~ before test 1400# RP.
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond.	20	20	To Surface
13-10"	548	548	310 SKS
9 5/8			
8 5/8	1387	1387	230 SKS
7			
5 1/2			
4 1/2	3953	3953	160 SKS
3			
2			
Liners Used			

Attach copy of cementing record.

Fractured with 750 bbl. water, 50,000# (20-40) sand, 15,000# (80-100) sand,
500 gal. 15% HCL
Perforations: 3812-16, 3818-21, 21 holes.

Coal was encountered at 570, 590 Feet 60, 60 Inches
Fresh water _____ Feet Salt Water _____ Feet
Producing Sand Benson Depth 3812-21

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
KB to GL			0	11		
Sand & Shale			11	570		
Coal			570	575		
Sandy Shale			575	590		
Coal			590	595		
Shale & Sand			595	1280		
Sandy Lime			1280	1315		
Shale			1315	1340		
Big Lime			1340	1425		
Big Injun			1425	1595		
Shale & R. Rock			1595	1610		
Sand & Shale			1610	1910		
Shale & R. Rock			1910	1975		
Sand & Shale			1975	4030		
• Sand			4030	4060		
Shale			4060	4130		
• Sand			4130	4160		
Shale			4160	4240		
Total Depth				4240	K.B.	
K.B. Measurement 11' above G.L.						

(over)

* Indicates Electric Log tops in the remarks section.

JAN 27 1975

KB		
2155	4240	T.D. Big Lime 1359-1420'. Injun
		1420-1585'. Gantz 1587-1622'.
		30' Sand 1714-1758'. Gordon Stray
		1795'-. Gordon 1912'-. 4th Sand
		1932-2014'. 5th Sand 2020-2070'.
		Bayard 2074-2135'. Bayard 2157-2216'.
		Bradford 3134-3232'. Riley 3477-
		3632'. <u>Benson 3809-3826'</u> . Show gas
		3596-3598' & 3608-3612'. Show gas
		3812-3815' & 3818-3821'. <u>Perforated</u>
		4½" casing from <u>3815-3819'</u> with 12
		holes & 3821-3824' with 9 holes.
		Fractured with 500 gals. acid, 915
		bbls. water & 65,000# sand. Final
		open flow - <u>700 Mcf.</u> R.P. Not taken.
		"FINAL" X

willard 21



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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SEP 25 1974

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE September 18, 1974

Surface Owner Dewey Tenney

Company Consolidated Gas Supply Corporation

Address Alton, W. Va.

Address Clarksburg, W. Va.

Mineral Owner Olive O'Dell Culpepper

Farm Wesley H. O'Dell Acres 5000

Address Alton, W. Va.

Location (waters) Buckhannon River

Coal Owner D. L. & M Coal Co.

Well No. 11809 Elevation 1990'

Address Not known

District Washington County Upshur

Coal Operator No Operations

Quadrangle SAGO

Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

TO BE NOTIFIED Paul Home
Buckhannon PH: 472-6468
W.C. 26201

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 1-26-75

Robert Brown
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 12-14-51 1951 by Wesley H. O'Dell made to Hope Natural Gas Co. and recorded on the 6th day of February 1952 in Upshur County, Book 28 Page 93

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,
(Sign Name) Al Bayne Manager of Prod.
Well Operator

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey
P. O. Box 879
Morgantown, W. Va. 26505
AC 304-296-4461
Address of Well Operator

Consolidated Gas Supply Corporation
Street
115 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 BOND

Ups-1574 PERMIT NUMBER
47-097

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 S. W. Jack Drilling Co. NAME R. E. Bayne
 ADDRESS Indiana, Pa. ADDRESS Bridgeport, W. Va.
 TELEPHONE _____ TELEPHONE 623-3611
 ESTIMATED DEPTH OF COMPLETED WELL: 4250' ROTARY XX 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	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
x 20 - 16 "	20'	20'	To surface
x 13 x 10 11 "	450'	450'	To surface
9 - 5/8			
8 - 5/8 if needed	1750'	1750'	85 bags
7			
5 1/2			
4 1/2	4250'	4250'	125 bags
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 85' FEET _____ SALT WATER None FEET _____
 APPROXIMATE COAL DEPTHS Wildcat _____
 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