

DAVID WARD
SURF. AND MIN.

BENCH MARK DESCRIPTION
700' NORTHEAST WARD JUNIOR HIGH SCHOOL AT CONCRETE HIGHWAY BRIDGE OVER KELLY'S CREEK IN TOP OF SOUTH END OF WEST CONCRETE WHEELGUARD OF BRIDGE STANDARD TABLET STAMPED 13 SKS 1963-721 ELEVATION 721.143'

NOTE
COAL LEASED TO VALLEY CAMP COAL CO.

"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 the rules and regulations of the oil and gas section of the mining laws of WEST VIRGINIA Minimum degree of accuracy is one part in 200

- New Location
- Storage
- Drill Deeper
- Abandonment
- Re-Drill/Fracture

ENGR. REG. NO 2330 Signed *Adrian E. Hardman*
BOX 1273 CHARLESTON, W.VA.

Company COLUMBIA GAS TRANS. CORP.
 Address BOX 1273 CHARLESTON, W.VA.
 Farm DAVID WARD
 Lease 25660 Acres 8000
 Well Farm No. 64 Ser. No. 20344-T
 Elevation - Spirit Level 717.05'
 Quadrangle CEDAR GROVE
 Township or District CABIN CREEK
 County KANAWHA
 Sec., Lot, Qr. _____ T _____ R _____
 Coordinates LONG. 81°23'32" LAT. 38°14'31"
 File No. 74-51 Dwg. No. _____
 Date 3-24-76 Scale 1" = 400'

175

WELL LOCATION MAP
STATE OF WEST VIRGINIA

(+) Denotes Values Of Well On United States Topographic Maps

KAN - 2751 - B
Scale 15' 7 1/2'

MAR 31 1986

47-039

6800' Clinton S-D Indian Creek (358)

Latitude 38°15'00"

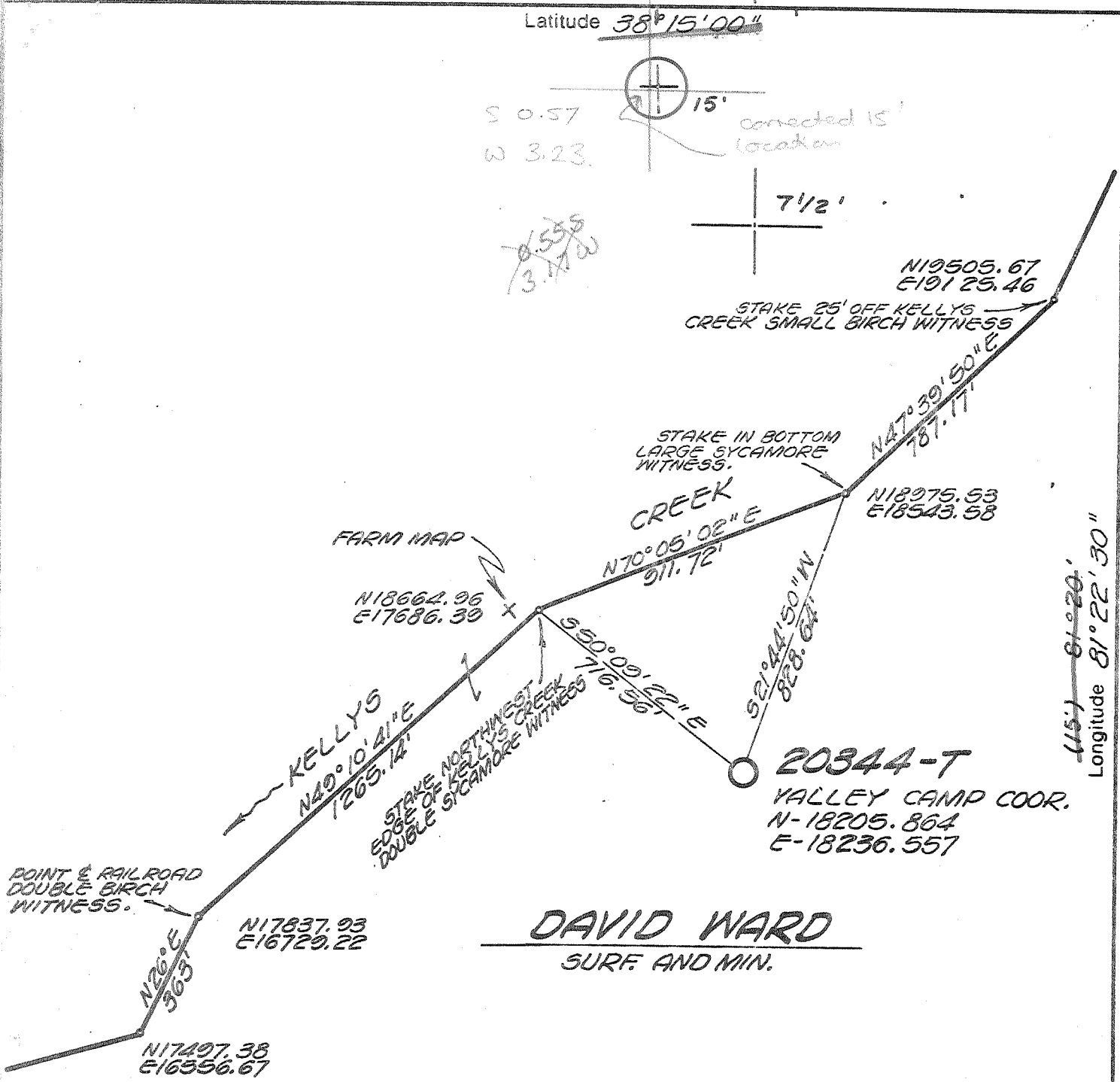
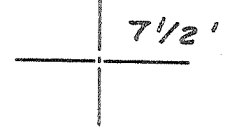
S 0.57
W 3.23



5050'

3000'

~~0.538~~
3.1700



BENCH MARK DESCRIPTION
700' NORTHEAST WARD JUNIOR HIGH SCHOOL AT CONCRETE HIGHWAY BRIDGE OVER KELLY'S CREEK IN TOP OF SOUTH END OF WEST CONCRETE WHEELGUARD OF BRIDGE STANDARD TABLET STAMPED 13 SKS 1963-721 ELEVATION 721.143'

NOTE
COAL LEASED TO VALLEY CAMP COAL CO.

- New Location
- Storage
- Drill Deeper
- Abandonment
- Re-Drill/Fracture

"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 the rules and regulations of the oil and gas section of the mining laws of WEST VIRGINIA. Minimum degree of accuracy is one part in 200

ENGR. REG. No 2330 Signed Adrian E. Hardman
BOX 1273 CHARLESTON, W.VA.

Company COLUMBIA GAS TRANS. CORP.
 Address BOX 1273 CHARLESTON, W.VA.
 Farm DAVID WARD
 Lease 25660 Acres 8000
 Well Farm No. 64 Ser. No. 20344-T
 Elevation - Spirit Level 717.05'
 Quadrangle 1 CEDAR GROVE Montgomery 15'
 Township or District CABIN CREEK
 County KANAWHA
 Sec., Lot, Gr. _____ T _____ R _____
 Coordinates LONG. 81°23'32" LAT. 38°14'31"
 File No. 74-51 Dwg. No. _____
 Date 3-24-76 Scale 1" = 400'

WELL LOCATION MAP
 STATE OF WEST VIRGINIA
 (+) Denotes Values Of Well On United States Topographic Maps
 KAN - 2751
 Scale 15' 7 1/2'
 2-0 Indian Creek (358)
 Deep Well
 47-039
 AUG 3 1976

6300' Chute



RECEIVED

JAN 18 1977

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Cedar Grove
Permit No. KAN - 2751

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

Company <u>Columbia Gas Transmission Corp.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P.O. Box 1273, Charleston, WV</u>	Size			
Farm <u>David Ward #64</u> Acres <u>8000</u>	20- 25			
Location (waters) <u>Kellys Creek</u>	Cond.	30'	30'	25 sacks
Well No. <u>20344-T</u> Elev. <u>717.05</u>	13- 10 "	252'	252'	250 sacks
District <u>Cabin Creek</u> County <u>Kanawha</u>	9 5/8	2235'	2235'	800 sacks
The surface of tract is owned in fee by _____	8 5/8			
<u>James F. Brown, Attorney-in-fact</u>	7	5437'		100 sacks
Address <u>P.O. Box 88, Charleston, WV 25321</u>	5 1/2			
Mineral rights are owned by <u>SAME</u>	4 1/2	6879		150 sacks
_____ Address _____	3			
Drilling Commenced <u>July 23, 1976</u>	2			
Drilling Completed <u>August 31, 1976</u>	Liners Used			
Initial open flow <u>show</u> cu. ft. _____ bbls.				
Final production _____ cu. ft. per day _____ bbls.				
Well open _____ hrs. before test _____ RP.				

Well treatment details:

Attach copy of cementing record.

Acidized with 1500 gal 15% Inhibitor
Show of Gas after treatment

Coal was encountered at 300' - 670' Feet _____ Inches _____
Fresh water 40' Feet _____ Salt Water 380' Feet/hr. in 4 1/2 csg.
Producing Sand Clinton (Tuscarora) Depth 6790'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	12		
Sand			12	68		
Slate			68	99		
Shale & Sand			99	206		
Sand			206	436		
Sand & Shale			436	1225		
Salt Sand			1225	1312		
Shale			1312	1418		
Red Rock			1418	1510		
Shale			1510	1700		
Lime			1700	1935		
Injun Sand			1935	1953		
Red Rock			1953	2010		
Sand			2010	2211		
Shale			2211	5384		
Lime <u>Onand, Held, Sal, mck</u>			5384	6430		
<u>Sand & Lime</u>			6430	6880		
Shale			6880	6895		
<u>T.D. CLINTON.</u>				6895		

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JUL 22 1976

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 July 22, 1976

Surface Owner James F. Brown, Attorney-in-fact
Address P.O. Box 88, Charleston, W. Va. 25321
Mineral Owner Same as above
Address _____
Lessee Valley Camp Coal Company
Coal ~~Owner~~ Box 218, Triadelphia, WV 26059
Coal Operator Same as above
Address _____

Company Columbia Gas Transmission Corporation
Address P. O. Box 1273, Charleston, WV 25325
Farm David Ward #64 Acres 8000
Location (waters) Kellys Creek
Well No. 20344-T Elevation 717.05'
District Cabin Creek County Kanawha
Quadrangle Cedar Grove

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 11-22-76

[Signature]
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Martin Nichols
PH: 548-6993 ADDRESS Clendenin, W. Va.

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 January 1 1916 by Charles Ward, et ux made to Cabin Creek Gas Company and recorded on the 7th day of September 1916, in Kanawha County, Book 31 Page 122

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, W. Va. 26505

Very truly yours, COLUMBIA GAS TRANSMISSION CORPORATION

(Sign Name) [Signature]
Well Operator
Director, Exploration & Development
Post Office Box 1273

Address
of
Well Operator

Street
Charleston
City or Town
West Virginia 25325
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

Kan-2751 PERMIT NUMBER
47-039

[Signature]

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 Rock Castle Gas Company NAME Mr. John M. Foster
 ADDRESS 504 Commerce Square, Charleston, WV 25301 ADDRESS P.O. Box 1273, Charleston, WV 25325
 TELEPHONE (304) 344-2534 TELEPHONE (304) 346-0951
 ESTIMATED DEPTH OF COMPLETED WELL: 6800' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Clinton
 TYPE OF WELL: OIL _____ GAS X 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 - XX	30'		
13 - XX 3/8	250'		
9 - 5/8	2300'		to surface
8 - 5/8			
7	5300'		
5 1/2			
4 1/2	6800'		
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS _____
 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

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL MAY 27 1986

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

Valley Camp Coal Company
COAL OPERATOR OR OWNER
2971 Dupont Avenue, East
ADDRESS
Shrewsbury, WV 25184
COAL OPERATOR OR OWNER
Valley Camp Coal Company
ADDRESS
2971 Dupont Avenue, East
LEASE OR PROPERTY OWNER
Shrewsbury, WV 25184
ADDRESS

Columbia Gas Transmission Corporation
NAME OF WELL OPERATOR
P. O. Box 1273, Charleston, WV 25325
COMPLETE ADDRESS
May 21 19 86
WELL AND LOCATION
Cabin Creek District
Kanawha County
Well No. 20344-T
David Ward Farm
Carlos Hively

STATE INSPECTOR SUPERVISING PLUGGING.....

AFFIDAVIT

STATE OF WEST VIRGINIA,

County of Kanawha } ss:
Earl E. Larch

and R. E. Schindler

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Columbia Gas Transmission Corporation, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 28th day of April, 1986, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL	PLUGS USED SIZE & KIND	CASING	
			CSG PULLED	CSG LEFT IN
6895 - 6526	Cement		5000' 4 1/2"	1895'
6526 - 6235	Gel. Water		3939' 7"	1498'
6235 - 5935	Cement with Latex		9-5/8"	2235'
5935 - 4925	Gel		13"	252'
4925		Baker Plug	20"	30'
4925 - 4725	Cement			
4725 - 4039	Gel			
4039 - 3839	Cement			
3839 - 2285	Gel			
2285 - 2185	Cement			
2185 - 1350	Gel			
1350 - 1175	Cement			
1175 - 750	Gel			
750 - 650	Cement			
650 - 250	Gel			
250 COAL SEAMS	Cement			
(NAME)		DESCRIPTION OF MONUMENT 36 inch 7" casing		
(NAME)				
(NAME)				
(NAME)				

M.A. 5/27/86

and that the work of plugging and filling said well was completed on the 8th day of May, 1986.

And further deponents saith not.

Sworn to and subscribed before me this 21st day of May, 1986

My commission expires:
8-13-89

R.E. Schindler
Earl E. Larch
Larry G. Burdette
Notary Public.

Permit No. KAN-2751-P

