



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS (7 1/2")

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION EXISTING WELL 7092

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) Ray H. Smith
 R.P.E. _____ L.L.S. 499

PLACE SEAL HERE

WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 #10 McJUNKIN ROAD



DATE December 19, 19 96
 OPERATOR'S WELL NO. 7092
 API WELL NO. 47 039 01301-7
 STATE COUNTY PERMIT

NITRO, WEST VIRGINIA 25143-2506
 WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 806 WATER SHED Coal Bank Hollow of Falling Rock Creek
 DISTRICT Big Sandy COUNTY Kanawha
 QUADRANGLE Blue Creek, WV COORDINATES LAT: 38°25'04" LONG: 81°22'55"
 SURFACE OWNER Jim C. Hamer Company ACREAGE 3.240
 OIL & GAS ROYALTY OWNER Jim C. Hamer Company LEASE ACREAGE 3.240
 COAL OWNER Jim C. Hamer Company LEASE NO. 48144

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
Well drilled down in 1956 by Falling Rock Producing Co.
 PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION Oriskany ESTIMATED DEPTH 5265 MAR 14 1997
 WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT Richard L. Coly
 ADDRESS PO Box 1273, Charleston, WV 25325-1273 ADDRESS PO Box 1273, Charleston, WV 25325-1273

FORM WV-6

KANAWHA COUNTY NAME PERMIT

DEGP 41516

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. Kan 1301-D		Gas Well
Clendenin Quad,		casing & tubing
Company	Falling Rock Producing Co.	
Address	Marietta, Ohio	10 200 200
Farm	Falling Rock Prod. Co. Acres 3240	6 5/8 1,413 1,413
Location	Falling Rock Creek	5 3/16 5,092 5,092
Well No.	23 Elev. 806	
District	Big Sandy Kanawha County	
Surface	Falling Rock Producing Co., Marietta, Ohio	
Mineral		
Commenced	See below <i>Completed Nov 2, 1946</i>	
Open flow	66/10ths W in 7"	
Volume	3,600,000 C.F.	
Rock Pressure		
Fresh Water	155 HPW	

Originally drilled by Falling Rock Cannel Coal Co. Completed Sept. 28, 1912

Soil		10	
✓Cannel Coal	10	14	
Slate & Sand	14	655	
✓Cow Run Sand	655	710	
Slate	710	725	
✓Salt Sand	725	1200	
Red Rock	1200	1235	
Slate & Sand	1235	1300	
✓Maxon Sand	1300	1320	
Slate	1320	1334	
✓Little Lime	1334	1360	
Black Slate	1360	1365	
Sand - 325	1365	1380	
✓Slate - 334	1380	1385	
Big Lime	1385	1553	
Slate & Shells	1568	1595	
✓Weir Sand	1595	1804	Gas 1796 to 1804 6,000,000 C.F.

Handwritten calculations:

$$\begin{array}{r} 1553 \\ 1385 \\ \hline 168 \end{array}$$

$$\begin{array}{r} 1553 \\ 806 \\ \hline 747 \end{array}$$

Falling Rock Producing Co. drilled deeper commencing Aug. 2, 1946 and completed Nov. 2, 1946

Slate & Shells	1804	1984	
✓Brown Shale	1984	1988	
→ Berea	1988	1998	
Black Lime	1998	2020	
Slate & Shells	2020	3720	
✓Brown Shale	3720	3900	
Slate & Shells	3900	4200	Gas Pay 3,762 70 M after blowing open
✓Brown Shale	4200	4250	for 30 days
Slate-Linco	4250	4545	
✓Brown Shale	4545	4940	
Slate Shells	4940	5070	
✓Corniferous Lime	5070	5199	
✓Oriskany Sand	5199	5217	

Handwritten calculations:

$$\begin{array}{r} 5070 \\ 806 \\ \hline 4264 \end{array}$$

$$\begin{array}{r} 5199 \\ 806 \\ \hline 4393 \end{array}$$

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WV Division of Environmental Protection

WR-35 Environmental Protection

JAN 23 1998

07-Mar-97
API # 47- 39-01301 F

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: HAMER, JIM C. COMPANY Operator Well No.: 7092

LOCATION: Elevation: 806.00 Quadrangle: BLUE CREEK

District: BIG SANDY County: KANAWHA
Latitude: 14600 Feet South of 38 Deg. 25Min. 0 Sec.
Longitude 2100 Feet West of 81 Deg. 22 Min. 30 Sec.

Company: COLUMBIA GAS TRANSMISSION
P. O. BOX 1273
CHARLESTON, WV 25325-1273

Agent: RICHARD L. COTY

Inspector: CARLOS HIVELY
Permit Issued: 03/10/97
Well work Commenced: 08/01/97
Well work Completed: 08/24/97
Verbal Plugging
Permission granted on: _____
Rotary Cable Rig
Total Depth (feet) 5215'
Fresh water depths (ft) _____
Not Reported
Salt water depths (ft) _____
845', 885'
Is coal being mined in area (Y/N)? N
Coal Depths (ft): Not Reported

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
7"		1413'	
5 1/2"		5089'	106SX
3 1/2"		5143'	35SX

OPEN FLOW DATA

Producing formation ORISKANY STORAGE Pay zone depth (ft) 5199' - 5215
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

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.

For: COLUMBIA GAS TRANSMISSION CORP.

By: [Signature]
Date: 1-15-98

JAN 23 1998

039-1301 Frac.

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

- 1) Well Operator: COLUMBIA GAS TRANSMISSION CORP. 10450 ¹⁷⁵ ① 258
- 2) Operator's Well Number: 7092 3) Elevation: 806'
- 4) Well type: (a) Oil / or Gas / Issued 03/10/97
(b) If Gas: Production / Underground Storage / Expires 03/10/99
Deep / Shallow /
- Proposed Target Formation(s): OPISKANY ⁴⁷⁵
- Proposed Total Depth: 5265' feet
- Approximate fresh water strata depths: 155'
- Approximate salt water depths: 845', 885'
- 9) Approximate coal seam depths: 10'
- 10) Does land contain coal seams tributary to active mine? Yes / No ✓
- 11) Proposed Well Work: SET PLUG IN 3 1/2", REPLACE TOP JOINTS OF CASING AND INSTALL NEW API WELLHEAD, AND STIMULATE OPISKANY.
- 12)

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FEB 13 1997
Office of Oil & Gas

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor					200' of 10"	from Wellhead
Fresh Water						
Coal	7"		17"		1413	Existing Wellhead
Intermediate	5 1/2"				5088	from 106 SX
Production	3 1/2"	J-55	9.2*		5143	35 SX
Tubing						
Liners						

PACKERS : Kind 2 7/8" FULL FLOW PACKER STAKE
Sizes _____
Depths set 5143

For Division of Oil and Gas Use Only

Fee(s) paid: ✓ Well Work Permit ✓ Reclamation Fund ✓ WPCP ✓
Plat ✓ WW-9 ✓ WW-2B ✓ Bond Blanket Agent ✓
(Type)

03/18/2004

REC'D
FEB 13 1997

- 1) Date: 1/3/97
- 2) Operator's well number
COCO-A WELL #07092
- 3) API Well No: 47 - 039 - 01301
State - County - Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
- a) Name Jim C. Hamer Co.
Address P.O. Box 418
Kenova, WV 25530
 - b) Name _____
Address _____
 - c) Name _____
Address _____
- 5) (a) Coal Operator:
- Name _____
Address _____
 - (b) Coal Owner (s) with Declaration
Name Jim C. Hamer Co.
Address P.O. Box 418
Kenova, WV 25530
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector Carlos W. Hively
Address 223 Pinch Ridge Road
Elkview, WV 25071
Telephone (304) - 965-6069

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR X Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through on the above named parties, by:

- Personal Service (Affidavit attached)
- X Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator COLUMBIA GAS TRANSMISSION CORP.
By: [Signature]
Its: Storage Engineer / Well Services
Address P. O. Box 1808
St. Albans, WV 25177-1808
Telephone (304) 722-8612

Subscribed and sworn before me this 20th day of January, 19 97

Patricia A. Turkett Notary Public
My commission expires August 12, 1997

