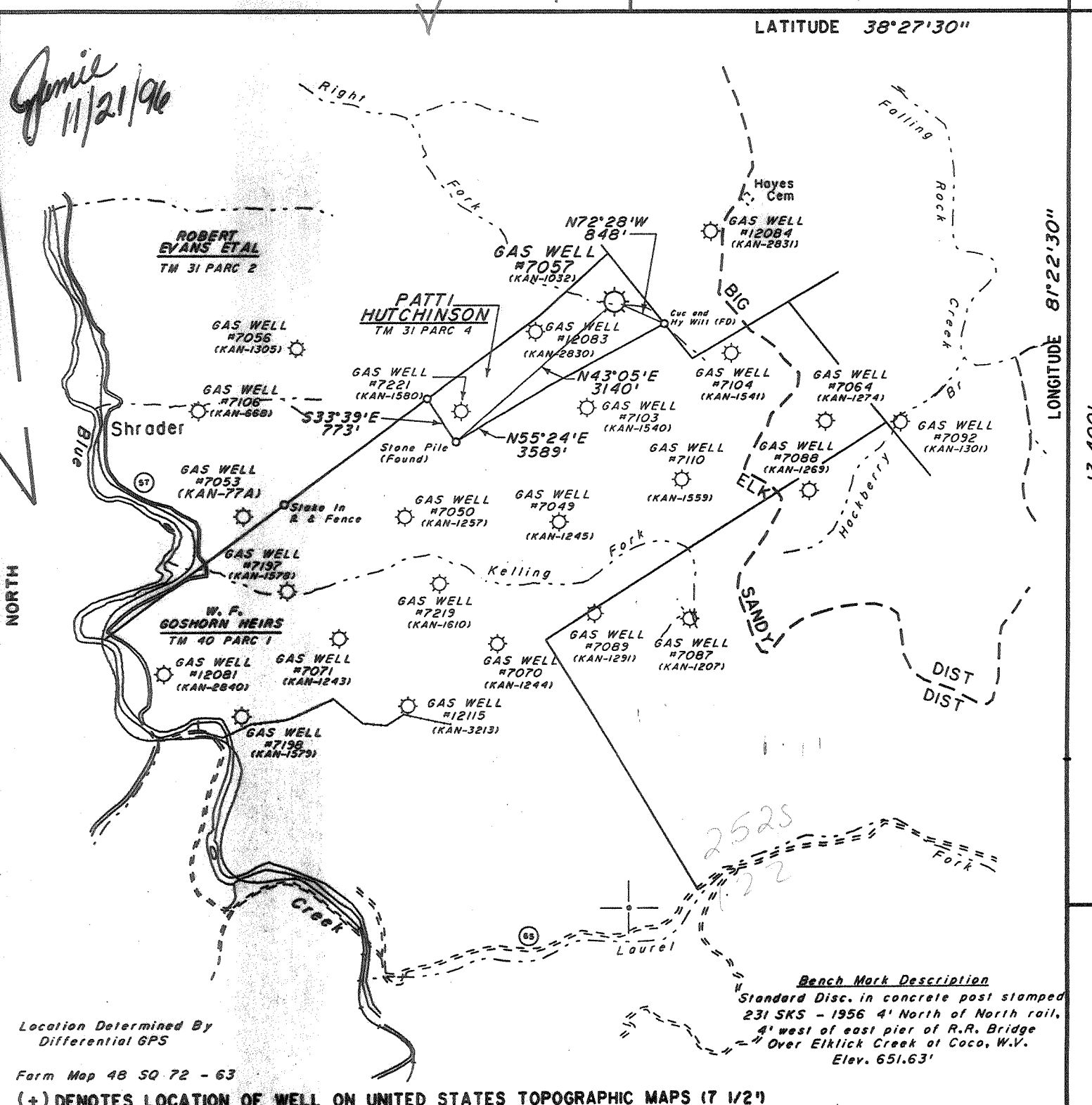


Janie 11/21/96

LATITUDE 38°27'30"

LONGITUDE 81°23'30"



Location Determined By Differential GPS

Form Map 48 SQ 72 - 63

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

FILE NO. _____
 DRAWING NO. 7057
 SCALE 1"=2000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION USGS BM Stamped "231-SKS-1956"

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) *Nery H. ...*
 R.P.E. _____ L.L.S. 499

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE OCTOBER 16, 19 96
 OPERATOR'S WELL NO. 7057
 API WELL NO. 47 039 01302

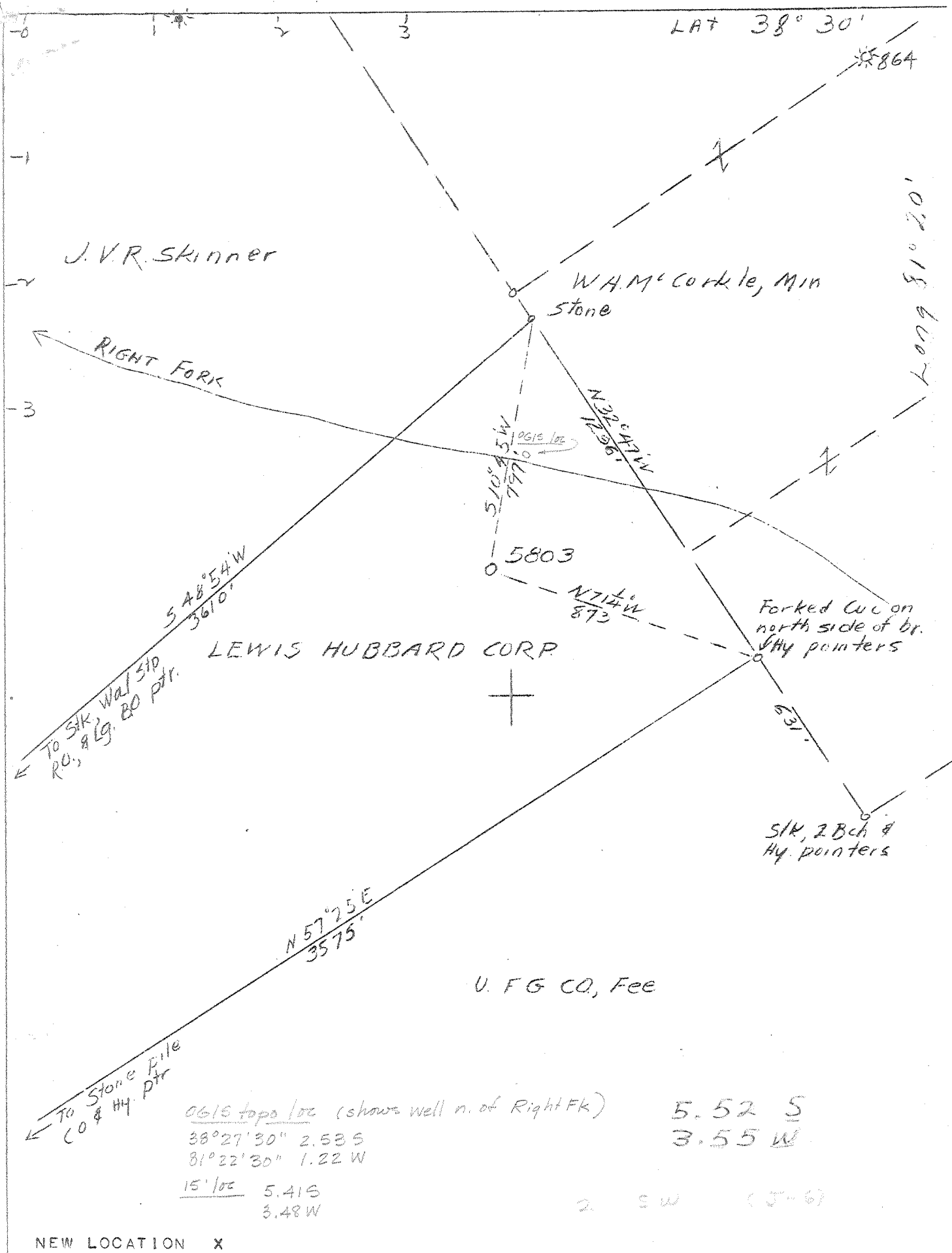
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 885 WATER SHED BLUE CREEK
 DISTRICT ELK COUNTY KANAWHA
 QUADRANGLE BLUE CREEK, WY COORDINATES LAT: 38° 25' 17" LONG: 81° 23' 51"
 SURFACE OWNER PATTY HUTCHINSON, ETAL ACREAGE 84.1
 OIL & GAS ROYALTY OWNER R.G. HUBBARD LEASE ACREAGE 84
 COAL OWNER PATTY HUTCHINSON, ETAL LEASE NO. 26320
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) STORAGE RECONDITION
Install new well head & well operating well & paper.
 PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION _____ ESTIMATED DEPTH _____
 WELL OPERATOR COLUMBIA GAS TRANS CORP DESIGNATED AGENT RICHARD L COTY
 ADDRESS PO BOX 1273, CHARLESTON, WY ADDRESS PO BOX 1273, CHARLESTON, WY
25325 - 1273 25325 - 1273

KANAWHA COUNTY NAME PERMIT 01032

DEC 6 1996

1099 D 10911

P



0615 topo loc (shows well n. of Right Fk) 5.52 S
 38° 27' 30" 2.53 S 3.55 W
 81° 22' 30" 1.22 W
 15' loc 5.41 S
 3.48 W

NEW LOCATION X

COMPANY	UNITED FUEL GAS CO.
ADDRESS	CHARLESTON, W. VA.
FARM	LEWIS HUBBARD CORP.
TRACT	ACRES 84.1 LEASE NO. 26320
WELL (FARM) NO.	SERIAL NO. 5803
ELEVATION (SL)	877. GR.
QUADRANGLE	CLENDENIN - NC
COUNTY	KANAWHA DISTRICT ELK
ENGINEER	G. H. MOORE
ENGINEER'S REG. NO.	662
FILE NO.	63-74 DRAWING NO.
DATE	JULY 29, 1946 SCALE 1"=400'

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

WELL LOCATION MAP
 FILE NO. KAN-1302

+ DENOTES LOCATION OF WELL ON U.S. 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.

6-6-46 DeepWell

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

Gas Well
CASING & TUBING

Permit No. Kan 1302	United Fuel Gas Co.			
Clendenin Quad:	P.O. Box 1273, Charleston 25, W.Va.			
Company	R.G. Hubbard Acres 841	14	24	24
Address	Rt. Fk. of Upper Three Mile	10 ³ / ₄	1462	1462
Farm	5803 Elev. 877.Gr.	8 5/8	1915	1915
Location	Elk Kanawha County	7	5100	5100
Well No.				
District				
Surface				
Mineral	Lewis Hubbard Corp. Box 2233, Charleston, W.Va.		Coal at 127'	24"
Commenced	9-10-46			
Completed	3-15-47			
Date shot	3-17-47 Depth 5200 to 5231 with 200# gel.			
Rock Pressure	760 lbs. 40 hrs.			
Fresh Water	40°H.F.			

Surface	0	25
Sand	25	80
Slate	80	110
Sand	110	127
Coal	127	129 ✓
Slate	129	260
Sand	260	340
Slate	340	400
Sand	400	430
Slate & Shells	430	715
Sand	715	1255
Red Rock	1255	1285
Slate	1285	1320
Lime	1320	1335
Red Rock	1335	1340
Lime	1340	1355
Slate	1355	1360
Lime	1360	1395
Pencil Cave	1395	1400
Lime	1400	1436
Slate	1436	1442
Big Lime	1442	1611
Injun Sand	1611	1666
Weir Sand	1666	1872
Slate	1872	1912
Lime	1912	1930
Slate & Shells	1930	4682
Brown Shale	4682	4949
White Slate	4949	4994
Brown Shale	4994	5084
Corniferous Lime	5084	5200
Oriskany Sand	5200	5231
Total Depth		5231

Gas 1497-1506 Big Lime
Gas 1753 Berea
Gas 5214-5226 Oriskany

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WV Division of
Environmental Protection

JAN 21 1998

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

Permitting
Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: HUTCHINSON, PATTY ETAL. Operator Well No.: 7057

LOCATION: Elevation: 885.00 Quadrangle: BLUE CREEK

District: ELK County: KANAWHA
Latitude: 13400 Feet South of 38 Deg. 27Min. 30 Sec.
Longitude 6450 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: 12/04/96
Well work Commenced: 09/11/97
Well work Completed: 10/10/97

Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig _____
Total Depth (feet) 5297'
Fresh water depths (ft) _____
Not Reported

Salt water depths (ft) _____
Not Reported

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.
14"		24'	
10 3/4"		1462'	
8 5/8"		1915'	
7"		5100'	111SX
4 1/2", 11.6 lb, N ⁸⁰		5297'	100SX

OPEN FLOW DATA

Producing formation ORISKANY STORAGE Pay zone depth (ft) 5200'-5231'
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

Pulled 169 joints 2 3/8" tubing, installed new 7" X 4 1/2" API 3000 wellhead, drilled new 6 1/8" hole 5227'-5297', ran 5297' of 4 1/2", 11.6 lb., N-80 casing, and cemented with 100SX Class A cement, perf'd ORISKANY 5206'-5226' with 6 SPF. Stimulated ORISKANY with N²-Assist Deltafrac using 424 bbls water, 133 MSCF N², and 28,500 lbs. 20/40 sand.

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STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

10457 (4) 258

1) Well Operator: Columbia¹⁷⁵ Gas Transmission Corp.

Operator's Well Number: 7057 3) Elevation: 877

Well type: (a) Oil ___ / or Gas X /
(b) If Gas: Production ___ / Underground Storage X /
Deep X / Shallow ___ /

Issued 12/04/96
Expires 12/04/98

Proposed Target Formation(s): Oriskany⁴⁷⁵ Sandstone

Proposed Total Depth: 5335 feet

7) Approximate fresh water strata depths: N/A

8) Approximate salt water depths: 1355'

9) Approximate coal seam depths: 127' - 129'

10) Does land contain coal seams tributary to active mine? Yes ___ / No X /

11) Proposed Well Work: Install API 3000 wellhead. Drill well 100' deeper. Log. Stimulate Oriskany. Install tubing if needed.

12) CASING AND TUBING PROGRAM

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Office of Oil & Gas
Permitting

TYPE SPECIFICATIONS FOOTAGE INTERVALS CEMENT

TYPE	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	14"		42	24'	24' ✓	
Fresh Water	10 3/4"		32 1/2	1462'	1462' ✓	
Coal						
Intermediate	8 5/8"		28	1915'	1915' ✓	
Production	7"		22 1/2	5121'	5121' ✓	111 sks
Tubing	2 3/8"		4.6	5231'	5231' ✓	
Liners		C. H. 10-23-96				

PACKERS : Kind _____
Sizes _____
Depths set _____

For Office of Oil and Gas Use Only

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

22914

20162105
33

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Environmental Protection
NOV 18 1996
Office of Oil and Gas
Permitting

- 1) Date: 10/29/96
- 2) Operator's well number
COCO-A WELL #07057
- 3) API Well No: 47 - 039 - 01032 ↻
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 (see attached sheet) _____
Address _____
 - b) Name _____
Address _____
 - c) Name _____
Address _____
- 6) Inspector Carlos W. Hiviely
Address 223 Pinch Ridge Road
Elkview, WV 25071
Telephone (304) - 965-6069

- 5) (a) Coal Operator:
 - Name _____
Address _____
 - (b) Coal Owner (s) with Declaration
Name (see attached sheet) _____
Address _____
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name _____
Address _____

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:

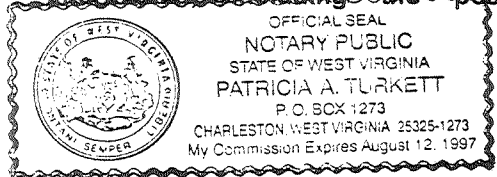
- Personal Service (Affidavit attached)
- X Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

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 4th day of November, 19 96

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