

O&G: HUBERT TEAGARDEN
 BRUCE R. MIKE
 NILA WADE
 HUBERT WADE
 JOSEPH WADE
 DAVID WADE
 ANDREW STAHARA
 TERI STAHARA

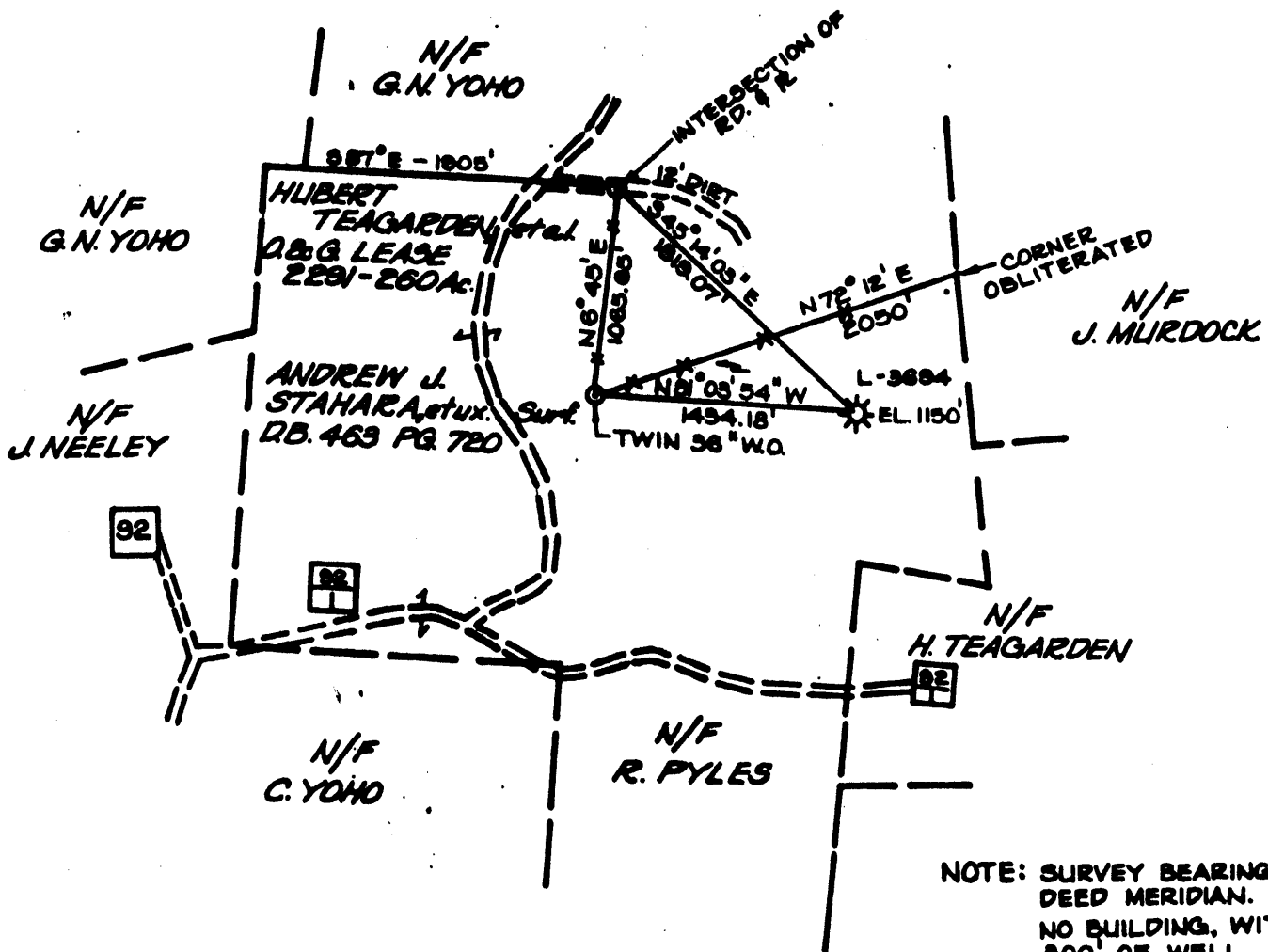
LATITUDE 39° 45'

Jamil
 12/8/92

TOPO. LOC. 


LONGITUDE 80° 09' 32.00"

DEED - NORTH

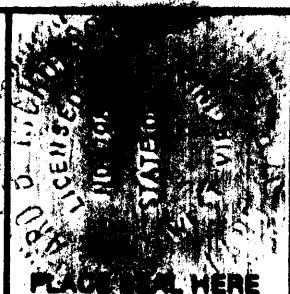


MAP 4396 N
 528 E
 FB 1707-N PG. 35

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/2500
 PROVEN SOURCE OF ELEVATION U.S.G.S.  STA. _____
 VALVE _____

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 ENERGYS
 (SIGNED) *Ethel Tichler*
 R.P.E. 9956 L.L.S. 796



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE APRIL 27, 1992
 OPERATOR'S WELL NO. L-3694
 API WELL NO. 47-051-0139 P.
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1150 WATER SHED _____
 DISTRICT LIBERTY COUNTY MARSHALL
 QUADRANGLE WILEYVILLE - 7 1/2'

SURFACE OWNER ANDREW J. STAHARA, ET UX. ACREAGE 260
 OIL & GAS ROYALTY OWNER HUBERT TEAGARDEN, ET AL. LEASE ACREAGE 260
 LEASE NO. 2291

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG _____

TARGET FORMATION _____ ESTIMATED DEPTH _____
 WELL OPERATOR COLUMBIA GAS TRANSMISSION DESIGNATED AGENT R.C. Weidner
 ADDRESS P.O. BOX 1273 CHARLESTON, W. 25325-1273 ADDRESS P.O. BOX 1273 CHARLESTON, W. 25325-1273

DEC 14 1992

COUNTY NAME MARSH. PERMIT 139

O. & G.: HUBERT TEAGARDEN
 BRUCE R. MIKE
 NILA WADE
 HUBERT WADE
 JOSEPH WADE
 DAVID WADE
 ANDREW STAHARA
 TERI STAHARA

Jamie 9/25/89

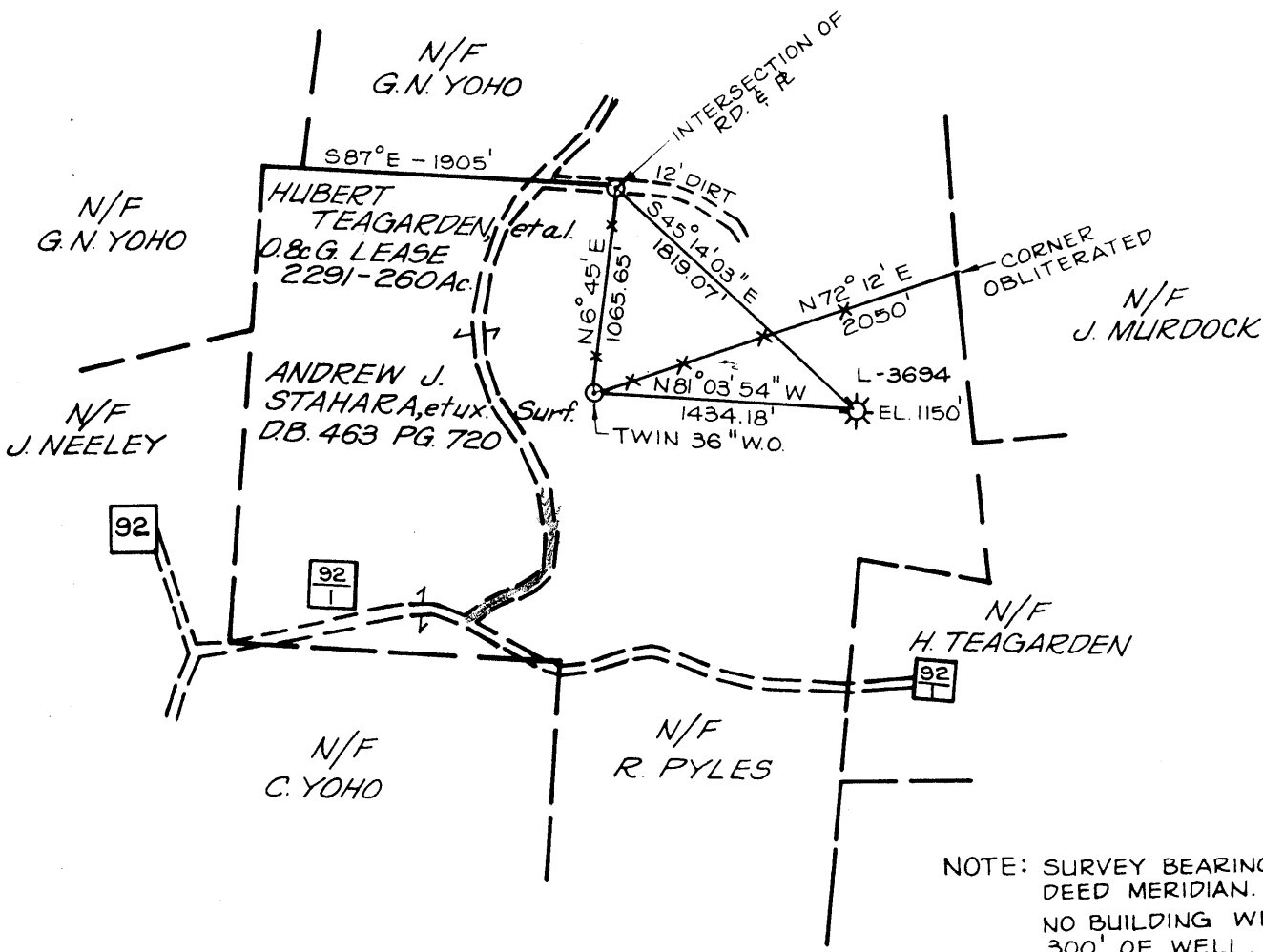
LATITUDE 39° 45'

0.62
0.10

TOPO. LOC.

3200
770
08 12E 08 EDUJIGNOT

DEED - NORTH



MAP 4396 N
 528 E
 FB 1707-N PG 35
 (+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

15' loc
0.62S
2.32W

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/2500
 PROVEN SOURCE OF ELEVATION U.S.G.S. STA. "VALVE"

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) *Edward B. Nichols*
 R.P.E. 9936 L.L.S. 798

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE APRIL 27, 1989
 OPERATOR'S WELL NO. L-3694
 API WELL NO. 051
47 MARS. 0139
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE X DEEP ___ SHALLOW ___

LOCATION: ELEVATION 1150 WATER SHED _____
 DISTRICT LIBERTY 4 COUNTY MARSHALL

QUADRANGLE WILEYVILLE - 7/2' 681 Littleton AC
 SURFACE OWNER ANDREW J. STAHARA, ET UX. ACREAGE 260
 OIL & GAS ROYALTY OWNER HUBERT TEAGARDEN, ETAL. LEASE ACREAGE 260
 LEASE NO. 2291

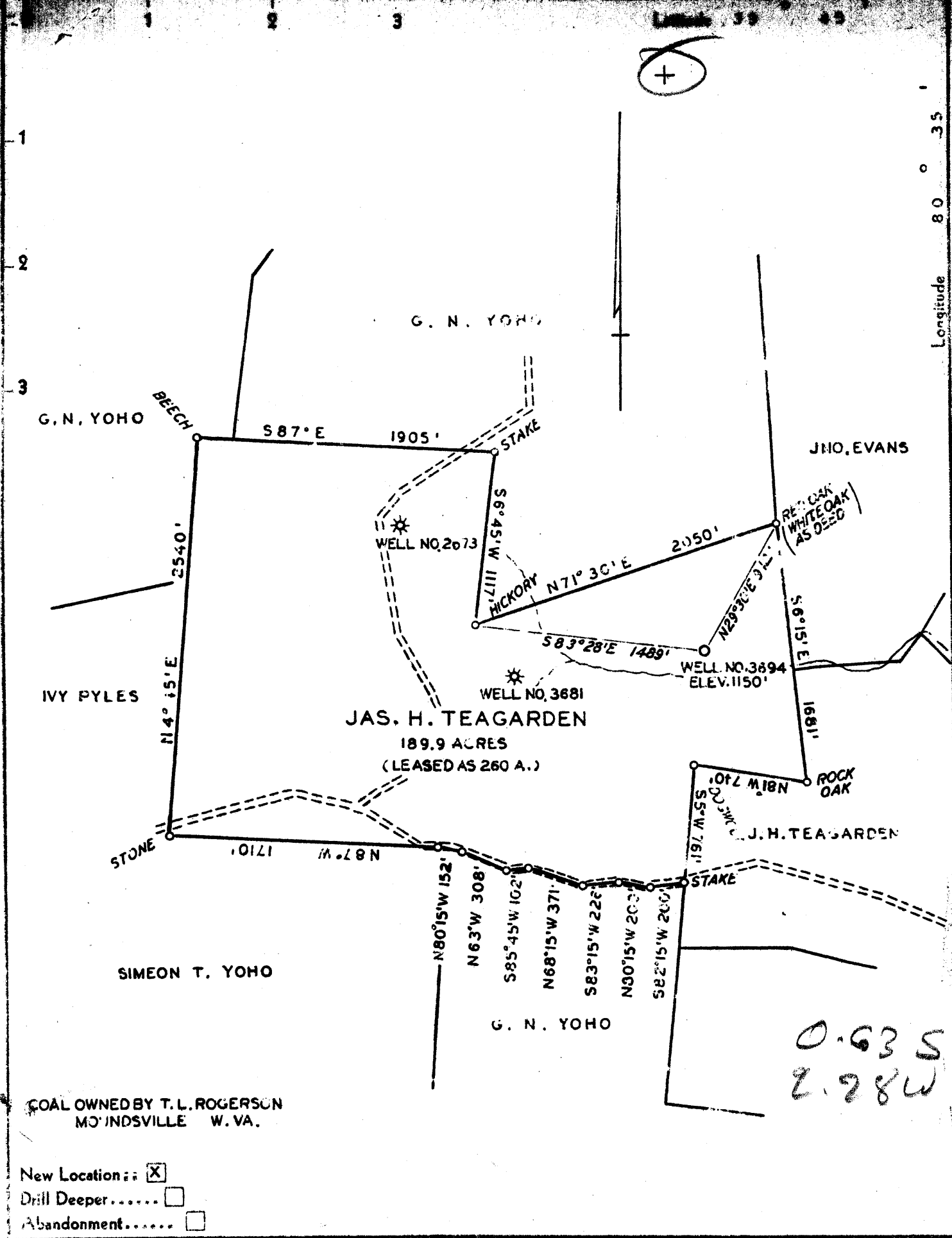
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) STORAGE RECONDITION

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Big INJUN SAND ESTIMATED DEPTH 2220'
 WELL OPERATOR COLUMBIA GAS TRANSMISSION DESIGNATED AGENT R. A. SCHOFF
 ADDRESS P.O. BOX 498 WASHINGTON PA 15301 ADDRESS P.O. BOX 498 WASHINGTON PA 15301

SEP 20 1989

MARS COUNTY NAME
139 PERMIT

175



0.635
2.28W

New Location: X
 Drill Deeper:
 Abandonment:

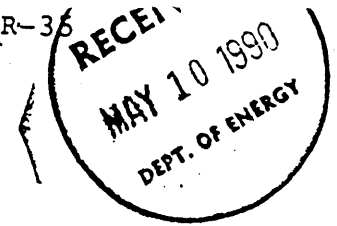
Company THE MANUFACTURERS LIGHT & HEAT CO.
 Address 800 UNION TRUST BLDG. PITTSBURGH, PA.
 Farm JAMES H. TEAGARDEN
 Tract Acres 260 Lease No. 2291
 Well (Farm) No. 3 Serial No. 3694
 Elevation (Spirit Level) 1150'
 Quadrangle LITTLETON N.W.
 County MARSHALL District LIBERTY
 Engineer *R. J. Powell*
 Engineer's Registration No.
 File No. Drawing No. Y-10 893
 Date APRIL 15, 1943 Scale 1"=800'

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

WELL LOCATION MAP
 File No. MARS-139

+ 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



State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: STAHARA, ANDREW J. ETUX. Operator Well No.: L-3694

LOCATION: Elevation: 1150.00 Quadrangle: WILEYVILLE

District: LIBERTY County: MARSHALL
Latitude: 3200 Feet South of 39 Deg. 45Min. 0 Sec.
Longitude 470 Feet West of 80 Deg. 57 Min. 30 Sec.

Company: COLUMBIA GAS TRANSMISSION
P. O. BOX 1273
CHARLESTON, WV 25325-0000

Agent: ROBERT E. WEIDNER

Inspector: MIKE UNDERWOOD
Permit Issued: 09/27/89
Well work Commenced: 10/20/89
Well work Completed: 03/27/90
Verbal Plugging
Permission granted on: N/A
Rotary Cable _____ Rig _____
Total Depth (feet) 2233 (KB)
Fresh water depths (ft) 100'

Salt water depths (ft) 1840'

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 835-839

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
10-3/4"		290'	
8-5/8"		1368'	200 SX
5-1/2"		2004'	630 SX
3-1/2"		2232' (KB)	115 SX 25/75 POZMIX

OPEN FLOW DATA

(NO OPEN FLOW TAKEN)

Producing formation Big Injun Pay zone depth (ft) 2062' (KB)
 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 None 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: _____

(OVER)

MAY 11 1990

11/21/89: Western Atlas ran Gamma Ray-Neutron and Cement Bond logs in 3-1/2" tubing: GR/N from 2214'-surface; CBL from 2202'-1500'. I. L. Morris Service rig swabbed well down to 1000'.

01/23/90: Western Atlas perforated Big Injun Sand 2062'-2080' (KB), unloaded well.

03/27/90: Well ready for storage operations.

(see previously submitted well log).

25-53

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

Permit No. Mars 139
Littleton N.W. Quad.

Gas Well
CASING & TUBING

Company	The Manf. Light & Heat Co.		
Farm	James H. Teagarden Acres 260	10	304'9 -
Location		8 1/2	1370'10 Same
Well No	3-3694 Elev. 1150'	6 5/8	1991'4 "
District	Liberty Marshall County		
Surface	O.A. Teagarden, R.D. #1		Coal at 539' 24";
	Moundsville, W.Va.		745' 48"; 835'
Mineral	The Mfrs. Light & Heat Co.		48"
	800 Union Trust Bldg., Pittsburgh, Pa.		
Commenced	7-9-43		
Completed	8-22-43		
Open flow	90/10ths W in 2"		
Volume	297,468 C.F.		
Rock Pressure	126 lbs. 48 hrs.		

Mud	0	14	Lime & Slate	1730	1840
Sand	14	30	✓ 3rd Salt Sand	1840	1862
Slate	30	90	Lime Shell	1862	1892
Sand	90	110	Slate & Shells	1892	1913
Slate & Lime	110	175	✓ Maxon Sand	1913	1940
Sand	175	180	✓ Big Lime	1940	1987
Slate	180	200	✓ Big Injun	1987	2231
Sand	200	210	Lime Shells	2231	2251
Slate & Lime	210	280	Slate	2251	2286
Red Rock	280	285	Lime & Slate	2286	2375
Lime & Slate	285	345	Lime Shells	2375	2480
Slate	345	390	Slate	2480	2575
Lime & Slate	390	484	Lime & Slate	2575	2620
Sand	484	539	Lime Shells	2620	2678
✓ Waynesburg Coal	539	541	Pink Rock	2678	2745
Slate & Lime	541	682	Slate	2745	2775
Lime	682	745	✓ 50' Sand	2775	2799
✓ Mapletown Coal	745	749	Slate	2799	2833
Lime	749	800	✓ Gordon Sand	2833	2850
Slate & Lime	800	835	Slate, Lime, Shells	2850	2928
✓ Pittsburgh Coal	835	839	TOTAL DEPTH		2928
Slate	839	850			
Lime	850	890			
Slate & Lime	890	935	Gas show 2071-2080		
Red Rock	935	945	Gas 2835-2842		
Lime	945	952			
Red Rock	952	966			
Lime	966	969			
Red Rock	969	1003			
Lime & Slate	1003	1020			
Red Rock	1020	1038			
Lime	1038	1042			
Red Rock	1042	1080			
Slate & Lime	1080	1125			
Red Rock	1125	1150			
Slate	1150	1160			
Red Rock	1160	1178			
Lime & Slate	1178	1200			
Red Rock	1200	1220			
Lime	1220	1225			
Slate	1225	1285			
Sand	1285	1295			
Slate & Lime	1295	1325			
Pink Rock	1325	1340			
Slate & Lime	1340	1440			
Lime	1440	1485			
Slate & Lime	1485	1540			
Shells	1540	1590			
✓ Slate	1590	1630			
Lime & Slate	1630	1650			
✓ Sand	1650	1674			
Slate	1674	1730			

1940
110

2050
1150

1900

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

Rec 9/18/89

175

- 1) Well Operator: Columbia Gas Transmission Corp. 10450 (4) 680
- 2) Operator's Well Number: L-3694 3) Elevation: 1150'
- 4) Well type: (a) Oil / or Gas X/
(b) If Gas: Production / Underground Storage X/
Deep / Shallow X/
- 5) Proposed Target Formation(s): 371 Big Injun Sand
- 6) Proposed Total Depth: 2220' feet
- 7) Approximate fresh water strata depths: Estimated @ 100'
- 8) Approximate salt water depths: Estimated @ 1840'
- 9) Approximate coal seam depths: Pittsburgh Coal @ 835' to 839'
- 10) Does land contain coal seams tributary to active mine? Yes / No X/
- 11) Proposed Well Work: 1) Remove the existing 3-1/2" OD tubing; 2) Cleanout to lead plug @ 2220'; 3) Run & cement new 3-1/2" OD tubing with 100 sks; and 4)
- 12) Perforate the Maxton and Big Injun Sands as determined by well logs.

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor					<i>Existed in well</i>	
Fresh Water	10-3/4" OD	H-40	32.75#	290'	290'	None
Coal	8-5/8" OD	J-55	24#	1368'	1368'	200 sks.
Intermediate	5-1/2" OD	J-55	17#	1991'	1991'	505 sks.
Production	3-1/2" OD	J-55	9.2#	2210'	2210'	100 SKS None
Tubing						38 CSRB-11/1
Liners						

73 32

PACKERS : Kind Anchor Packer
 Sizes 3-1/2" x 5-1/2"
 Depths set 1972'

For Division of Oil and Gas Use Only

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

(Type)

000 776 52
24

1) Date: August 31, 1989
2) Operator's well number
L-3694
3) API Well No: 47 - MARS - 139-FRAC
State - County - Permit
Rework & Frac.

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
 (a) Name Andrew J. Stahara, et ux
 Address R.D. #5, Box 174
Cameron, W. Va. 26033
 (b) Name _____
 Address _____
 (c) Name _____
 Address _____
- 5) (a) Coal Operator:
 Name Consolidation Coal Co.
 Address Consol Plaza, 1800 Washington Rd.
Pittsburgh, PA 15241
 (b) Coal Owner(s) with Declaration
 Name _____
 Address _____
 Name _____
 Address _____
- 6) Inspector Mike Underwood
 Address Rt. 2, Box 135
Salem, W. Va. 26426
 Telephone (304)-782-1043
- (c) Coal Lessee with Declaration
 Name McElroy Coal Co.
 Address Consol Plaza, 1800 Washington Rd.
Pittsburgh, PA 15241

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 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

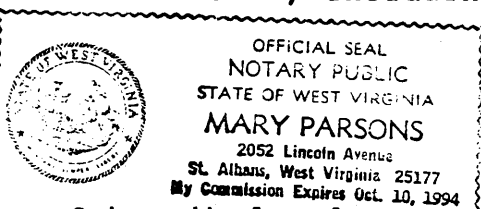
I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:
 _____ Personal Service (Affidavit attached)
X _____ Certified Mail (Postmarked postal receipt attached)
 _____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B 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 Corporation
 By: [Signature]
 Its: Director, Drilling & Maintenance
 Address P. O. Box 1273
Charleston, WV 25325-1273
 Telephone 304-357-2459



Subscribed and sworn before me this 5th day of September, 1989

Mary Parsons Notary Public
 My commission expires October 10, 1994

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Division, 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.

Farm name: STAHARA, ANDREW J., ETUX Operator Well No.: L-3694

LOCATION: Elevation: 1150.00 Quadrangle: WILEYVILLE
District: LIBERTY County: MARSHALL
Latitude: 3200 Feet South of 39 Deg. 45 Min. 0 Sec.
Longitude 470 Feet West of 80 Deg. 57 Min. 30 Sec.

Well Type: OIL _____ GAS X

Company: COLUMBIA GAS TRANSMISSION CORP.
P.O. BOX 1273
CHARLESTON, W.VA. 25325-1273

Coal Operator CONSOLIDATION COAL
or Owner CONSOL PLAZA, 1800 WASHINGTON
PITTSBURGH, PA. 15241

Agent: R.C. WEIDNER

Coal Operator _____
or Owner _____

Permit Issued: 12/10/92

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of MARSHALL ss:

RONALD A. SCHOFF and DONALD M. QUIGLEY 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 the above named well operator, and participated in the work of plugging and filling the above well, and RANDALL MICK Oil and Gas Inspector representing the Director, say that said work was commenced on the 11TH day of AUGUST, 1993, and that the well was plugged and filled in the following manner:

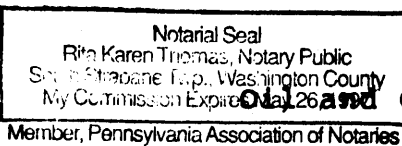
TYPE	FROM	TO	PIPE REMOVED	LEFT
TOTAL DEPTH	<u>2225'</u>	<u>-</u>	<u>NONE</u>	<u>10 3/4" OD @ 290'</u>
3" MECHANICAL BRIDGE PLUG	<u>1920'</u>	<u>1917'</u>	<u>"</u>	<u>8 5/8" OD @ 1365'</u>
CEMENT - 90 ^{SKS} OF 50/50	<u>1917'</u>	<u>0'</u>	<u>"</u>	<u>5 1/2" OD @ 2004'</u>
POZMIX + 10% NaCl + 1/2 %			<u>"</u>	<u>3 1/2" OD @ 2225'</u>
CFR-2				

Description of monument: 4 1/2" OD CASING @ 6' ABOVE GROUND LEVEL WITH INVERTED
and that the work of plugging and filling said well was completed on the 12TH day of AUGUST, 1993.

And further deponents saith not.

Sworn and subscribe before me this 23rd day of June, 1994
My commission expires: May 26, 1997

Ronald A. Schoff 6/21/94
Donald M. Quigley 6/24/94
Rita Karen Thomas
Notary Public



Oil and Gas Inspector: Randall Mick