

FILE NO. _____
DRAWING NO. 7531
SCALE 1" = 400'
MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION Existing Wells
Concrete Pads

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) Edna Pich
R.P.E. _____ L.L.S. 798

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

DATE May 4, 2001
OPERATOR'S WELL NO. 7531
API WELL NO. 47 077 00161-W

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

LOCATION: ELEVATION 2281.4' WATER SHED Blg Run Run Of Saltlick Creek
DISTRICT Union COUNTY Preston
QUADRANGLE Aurora COORDINATES LAT: 39°20'55" LONG: 79°36'19"

SURFACE OWNER Messenger Ltd. Partnership ACREAGE 70
OIL & GAS ROYALTY OWNER Delores J. & Denise Bee LEASE ACREAGE _____
COAL OWNER Messenger Ltd. Partnership LEASE NO. 90536

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

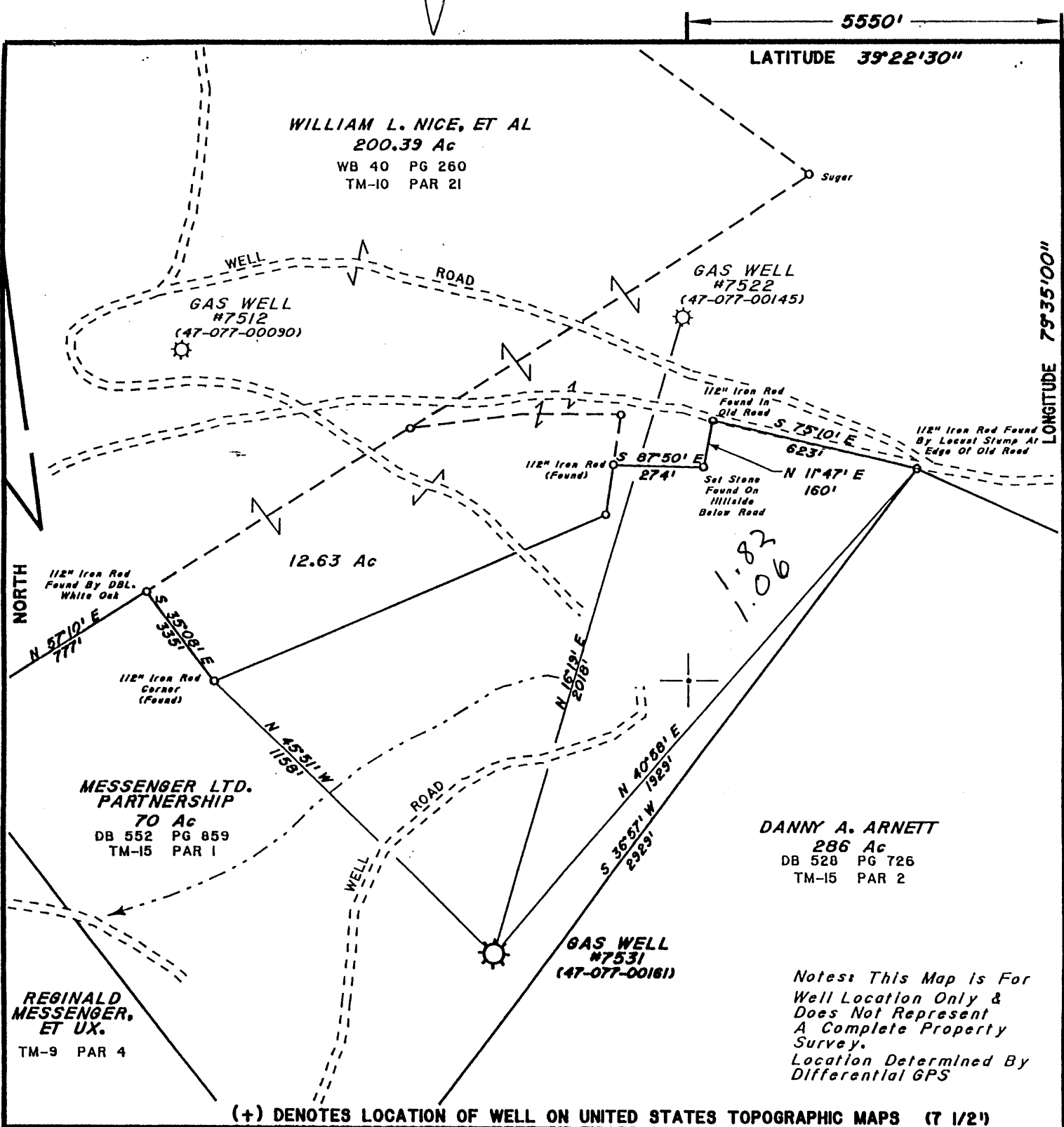
TARGET FORMATION _____ ESTIMATED DEPTH _____
WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT PAUL AMICK
ADDRESS PO Box 1273, Charleston, WV 25325-1273 ADDRESS PO BOX 1273, CHARLESTON, WV 25325-1273

JUL 06 2001

DEEP WELL

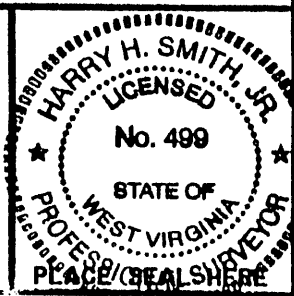
FORM MW-6

PRESTON COUNTY NAME PERMIT 161 W



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(SIGNED) Harry H. Smith, Jr.
R.P.E. _____ L.L.S. 499



DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS
#10 McJUNKIN ROAD
NITRO, WEST VIRGINIA 25143-2506



DATE October 6, 19 97
OPERATOR'S WELL NO. 7531
API WELL NO. _____

WELL TYPE: OIL _____ GAS _____ WASTE DISPOSAL _____ STATE 47 COUNTY 077 PERMIT 00161 ✓

(IF "GAS,") PRODUCTION _____ STORAGE X DEEP _____ SHALLOW _____

LOCATION: ELEVATION 2281.4' WATER SHED Big Run Run Of Sattlck Creek CANCELLED

DISTRICT Union COUNTY Preston

QUADRANGLE Aurora COORDINATES LAT: 39°20'55" LONG: 79°36'19"

SURFACE OWNER Messenger Ltd. Partnership ACREAGE 70

OIL & GAS ROYALTY OWNER Harry E. Ark LEASE ACREAGE _____

COAL OWNER Messenger Ltd. Partnership LEASE NO. 90536

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 Chert & Oriskany ESTIMATED DEPTH 6020'

WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT RICHARD L COTY

ADDRESS PO Box 1273, Charleston, WV ADDRESS PO BOX 1273, CHARLESTON, WV
25325-1273 25325-1273

9-AM FORM

COUNTY NAME PRESTON
PERMIT 161 CANCELLED

SEP 01 2000

LATITUDE 39°22'30"

WILLIAM L. NICE, ET AL

200.39 Ac

WB 40 PG 260
TM-10 PAR 21

GAS WELL #7522

(47-077-00145)

GAS WELL #7512

(47-077-00090)

12.63 Ac

MESSENGER LTD. PARTNERSHIP

70 Ac

DB 552 PG 859
TM-15 PAR 1

DANNY A. ARNETT

286 Ac

DB 528 PG 726
TM-15 PAR 2

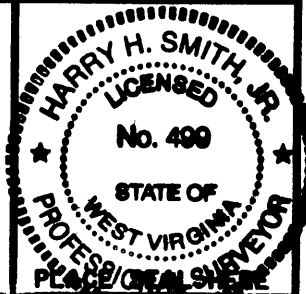
Notes: This Map Is For Well Location Only & Does Not Represent A Complete Property Survey. Location Determined By Differential GPS

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

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(SIGNED) Harry H. Smith, Jr.
R.P.E. _____ L.L.S. 499



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE October 6, 1997
OPERATOR'S WELL NO. 7531
API WELL NO. _____

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

LOCATION: ELEVATION 2281.4' WATER SHED Big Run Run Of Saltlick Creek

DISTRICT Union COUNTY Preston

QUADRANGLE Aurora COORDINATES LAT: 39°20'55" LONG: 79°36'19"

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STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW
FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Storage Recondition

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___

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ADDRESS PO Box 1273, Charleston, WV 25325-1273 ADDRESS PO BOX 1273, CHARLESTON, WV 25325-1273

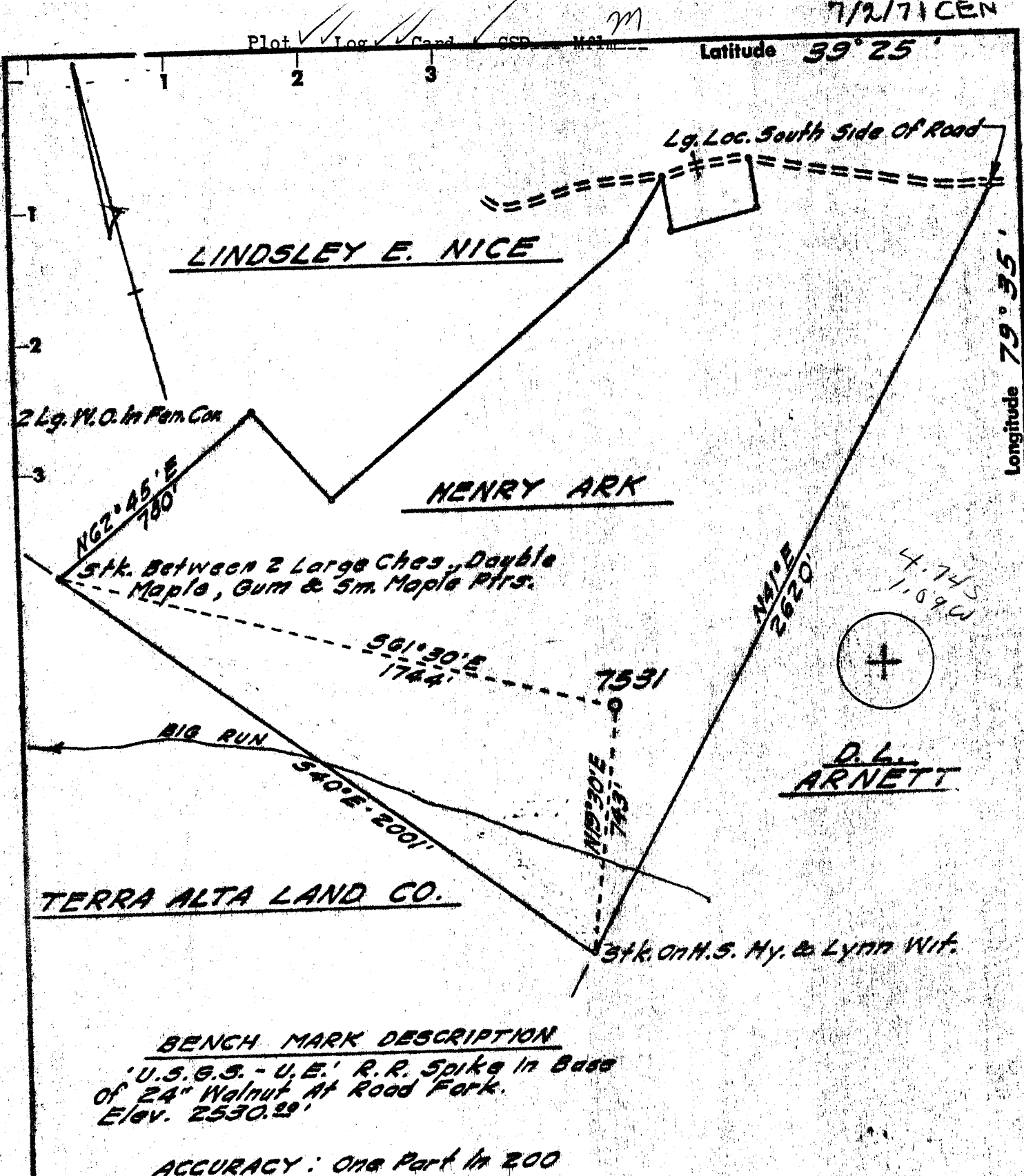
FEB 20 1998

LONGITUDE 79°36'19"

COUNTY NAME PRESTON

PERMIT 161

FORM 9-AW (REV. 9-84)



BENCH MARK DESCRIPTION
 'U.S.G.S. - U.E.' R.R. Spike in Base
 of 24" Walnut At Road Fork.
 Elev. 2530.29'

ACCURACY: One Part in 200

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 Paragraph 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia. The accuracy of this survey is within the limits and as prescribed in Paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.
Before 6/5/29	<input type="checkbox"/>	
New Location	<input checked="" type="checkbox"/>	
Drill Deeper	<input type="checkbox"/>	
Redrill	<input type="checkbox"/>	
Abandonment	<input type="checkbox"/>	

Company ATLANTIC SEABOARD CORP.
 Address CHARLESTON, W. VA.
 Farm HENRY E. ARK
 Tract _____ Acres 72 Lease No. AS-536
 Well (Farm) No. _____ Serial No. 7531
 Elevation (Spirit Level) 2281.36'
 Quadrangle KINGWOOD
 County PRESTON District UNION
 Engineer Adrian E. Hardman
 Engineer's Registration No. 2330
 File No. 170-127 Drawing No. _____
 Date MAR. 16, '71 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. PRES-161

+ 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.

DEEP

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

AK

Well Operator's Report of Well Work

Farm name: Messenger Limited Partnership Operator Well No.: Terra Alta South Well 7531

LOCATION: Elevation: 2,281.40' Quadrangle: Aurora

District: Union County: Preston
Latitude: Feet South of 39 Deg. 20 Min. 55 Sec.
Longitude Feet West of 79 Deg. 36 Min. 19 Sec.

Company: Columbia Gas Transmission	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: PO Box 1273	13-3/8"	33'	33'	30 sks/Surf
Charleston, WV 25325-1273	9-5/8"	2,127'	2,127'	616 sks/Surf
Agent: Paul Amick	7"	5,647'	5,647'	~220 cu ft
Inspector: Randall Mick/ Steven Mossor	4-1/2"***	5,630'	5,630'	130.9 cu ft
Date Permit Issued: 06/28/2001				
Date Well Work Commenced: 08/22/01				
Date Well Work Completed: 10/17/02				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 6,020'				
Fresh Water Depth (ft.): N/A				
Salt Water Depth (ft.) N/A:				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): N/A				

RECEIVED
 Office of Oil & Gas
 Permitting

NOV 01 2002

 WV Department of
 Environmental Protection

OPEN FLOW DATA

Producing formation Chert/Oriskany Pay zone depth (ft) 5,647'-5,816'/5,828'-5,980'
Gas: Initial open flow 590 MCF/d Oil: Initial open flow Bbl/d
Final open flow 370 MCF/d Final open flow Bbl/d
Time of open flow between initial and final tests 3 Hours
Static rock Pressure 2150 psig (surface pressure) after 12 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.

Signed: *William H. Foraker*
By: William H. Foraker
Date: 10/30/02

NOV 27 2002

PRE 0161

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

Well Operator's Report of Well Work

<u>Formation</u>	<u>Top (MD KB)</u>	<u>Bottom (MD KB)</u>
Siltstone and Shale	0	5113'
Tully Lime	5113'	5139'
Shale	5139'	5630'
Onondaga Lime	5630'	5647'
Chert	5647'	5816'
Shale	5816'	5828'
Oriskany	5828'	5980'
Helderberg	5980'	
Total Depth		6020'

Summary of Permit Work on Existing Storage Well:

Moved in Twin Drilling Rig #5 (Service Rig) on 08/22/01.

Pulled and retired existing 2-3/8" tubing on 08/27/01.

Cleaned well out to 6,015' RKB on 08/29/02.

Ran CBL and Vertilog on 7"09/04/01. Log indicated problem with 7" casing.

Ran new 4-1/2" 11.6#/ft J-55 casing to 5,630'GL on 08/15/02.

Cemented 4-1/2" casing with 130.9 cu ft standard cement with 5% salt on 08/16/02.

Stimulated Chert/Oriskany with foamed acid frac on 10/16/02:

200 gals 28% FE acid, 7,000gals 20% 65Q foamed FE acid, 7,000 gals 15% 65Q foamed FE acid, 8,000 gals 65Q foam, 126 gals water.



RECEIVED

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

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle Kingwood
Permit No. Pres. 161

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Columbia Gas Transmission Corporation
Address P. O. Box 1067, Elkins, W. Va.
Farm Henry E. Ark Acres 72
Location (waters) Big Run
Well No. X-76-S 7531 Elev. 2281
District Union County Preston
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced July 21, 1971
Drilling completed August 6, 1971
Date Shot _____ From _____ To _____
With _____
Open Flow 24 /10ths Water in _____ Inch
2 /10ths Merc. in _____ Inch
Volume 762 Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____
(See Reverse Side)WELL FRACTURED (DETAILS) _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size	Ground Level		
16			Kind of Packer
13 3/8	33'	33'	
10			Size of
9 5/8"	2127'	2127'	
7"	5647'	5647'	Depth set
5 3/16			
4 1/2			
3			Perf. top (See
2 3/8"	6003'	6003'	Perf. bottom Reverse
Liners Used			Perf. top Side)
			Perf. bottom

Attach copy of cementing record.
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
Amount of cement used (bags) See Reverse Side
Name of Service Co. Dowell
COAL WAS ENCOUNTERED AT None FEET _____ INCHES _____
FEET _____ INCHES _____ FEET _____ INCHES _____
FEET _____ INCHES _____ FEET _____ INCHES _____

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 8,690 Mcf
ROCK PRESSURE AFTER TREATMENT 2110 HOURS 1
Fresh Water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Chert and Oriskany Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Siltstone and Shale			0	5113'			Measured from K.B.
✓ Tully Lime			5113'	5139'			
Shale			5139'	5630'			
✓ Onondaga Lime			5630'	5647'			
Chert - Huntersville			5647'	5816'	Gas		
✓ Shale - NEGAMORE			5816'	5828'			
✓ Oriskany			5828'	5980'	5630	5828	5980
✓ Helderberg			5980'		2281	2281	2281
Total Depth				6020'	3349	3547	3699

Formation	Color	Hard or Soft	Top 12	Bottom	Oil, Gas or Water	Depth Found	Remarks
NOTE:							
13 3/8"	48#/ft.,	H-40,	Casing cemented to surface with 30 sacks of neat cement plus 2% CaCl.	July 21, 1971.	33' ground level, 50' kelly bushing.		
9 5/8"	36#/ft.,	K-55 casing	cemented to surface with 616 sacks Kolite plus 2% CaCl.	July 26, 1971. Casing set at 2127'	ground level, 2144' kelly bushing, 2124' threads off and 2139' threads on.		
7"	23#/ft.,	K-55 Seal-lok casing	cemented in 1000' with 220 cu. ft. of Dowell's RFC cement plus Kolite, August 2, 1971. Gel Drilling mud to surface with 1 drum Baroid's B-33. Casing set 3' in chert. Casing set at 5647' ground level, 5662' kelly bushing, 5661' threads off, 5709' threads on.				
2 3/8"	4.6#/ft.,	J-55, Seal-lok tubing	run to T.D., (1) Baker Model "J" ported seating nipple, (1) Baker BFC Model "L" sliding sleeve. Sliding sleeve is 428' off bottom. August 5, 1971. 6003' ground level, 6015' kelly bushing, 6000' threads off, 6050' threads on.				
Perforations:			Chert and Oriskany open hole.				
Logging:			Gamma-Ray, Collar Log and temperature. (1900' - 6020') August 5, 1971.				
			Gamma-Ray - Tracer (5450' - 6025') August 17, 1971.				
Stimulation:			<u>August 14, 1971</u>				
			2060# rock pressure, left open for 1 hour, "58/10" water 4", 1.3 M Pumped in 28 BBls of fresh water plus 5 gallons of soap and unloaded. Pumped in 110 barrels of fresh water pressured up on same for 1 1/2 hours, 2200#, unloaded, No results.				
			<u>August 16, 1971</u>				
			Dowell treated well using 5000 gallons 20% HCL acid, 5000 gallons 3% HCL acid, 2000 gallons of (J-160, 150# and J-145, 500#), 5000 gallons 20% HCL acid, 5000 gallons 3% HCL acid and followed with 242 barrels fresh water. 2300# average pressure, 35-36 BPM, plus N ₂ .				
			Final open flow. 2110# rock pressure, 8.690 M damp.				

Date January 20, 19 72

APPROVED Columbia Gas Transmission Corporation Owner

By *J. M. [Signature]*
(Title)
Production and Storage Superintendent

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

WELL WORK PERMIT

This permit, issued to COLUMBIA GAS TRANSMISSION CORP. is evidence of permission granted to perform the specified well work at the location described on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the _____ pages attached hereto. Notification shall be given to the Oil and Gas Inspector PHILLIP TRACY at 304-543-7389 prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be reported to 1-800-654-3312.

Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and in addition may result in civil and/or criminal penalties.

Well work to be conducted under this permit shall be commenced within two (2) years from date of issue.

Theodore M. Streit
Chief

By: _____



Title: _____

Operator's Well No: TERRA ALTA 7531

Farm Name: MESSENGER LTD. PTSHP.

API Well Number : 47- 77-00161 F

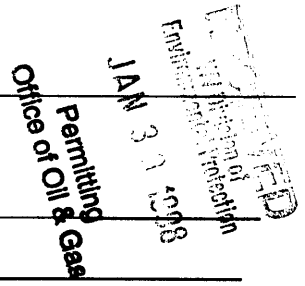
Date Issued : 02/16/98

Expires two (2) years from issue date.

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

24845

- 1) Well Operator: COLUMBIA GAS TRANSMISSION CORPORATION 10450
2) Operator's Well Number: Terra Alta South Stg # 7531 (API 47-077-00161) 3) Elevation: 2,181.36 feet
4) Well type: (a) Oil / or Gas X /
(b) If Gas: Production / Underground Storage X /
Deep X / Shallow /
5) Proposed Target Formation(s): Chert/ Oriskany
6) Proposed Total Depth: 6,020 feet
7) Approximate fresh water strata depths: none recorded
8) Approximate salt water strata depths: none recorded
9) Approximate coal seam depths: NONE
10) Does land contain coal seams tributary to active mine? Yes / No X /



11) Proposed Well Work: Columbia proposes to kill the well with a freshwater polymer based mud system. Remove the tubing string and reconfigure the wellhead. The well will be cleaned out to TD and logged with open hole and cased hole logs. A 4-1/2" liner (casing string) will be run to surface and cemented in place. The well will be acidized across the Oriskany section as determined by the well logs. The well will then be cleaned up, flow tested and placed back in service.

12) CASING AND TUBING PROGRAM

Table with 7 columns: TYPE, SPECIFICATIONS (Size, Grade), WEIGHT (Weight per ft.), FOOTAGE INTERVALS (For drilling, Left in well), and CEMENT (Fill - up (cu. ft.)). Rows include Conductor, Fresh Water, Coal, Intermediate, Production, Tubing, and Liners.

PACKERS: Kind, Sizes, Depths set

06251551

For Division of Oil and Gas Use Only

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

1) Date: November 5, 1997

2) Operator's Well Number

7531

3) API Well No.: 47 - 077 - 00161 -

State County

Permit No.

Office of Oil & Gas
Permitting

**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS
NOTICE OF APPLICATION FOR A WELL WORK PERMIT**

- 4) Surface Owner(s) to be served: _____ 5) (a) Coal Operator _____
- (a) Name The Messenger Limited Partnership Name _____
 Address 876 Dennett Road Address _____
Oakland, Md. 21550
- (b) Name _____ (b) Coal Owner (s) with Declaration
 Address _____ Name The Messenger Limited Partnership
 Address 876 Dennett Road
- (c) Name _____ Oakland, Md. 21550
 Address _____ Name _____
 Address _____
- 6) Inspector Philip Tracy (c) Coal Lessee with Declaration
 Address Route 2 Box 37-A Name _____
Montrose, West Virginia 26283 Address _____
 Telephone (304) _____

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT

_____ Included is the lease or leases or other continuing contract by which I hold the right to extract oil and or 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)

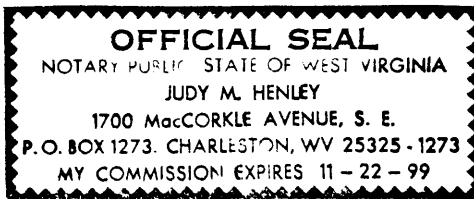
I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat and accompanying documents pages 1 through _____ on the above named parties by:

- _____ 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 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 Columbis Gas Transmission Corporation
 By: Richard L. Oley
 Its: Manager - Well Services
 Address P.O. Box 1273
Charleston, WV 25325-1273
 Telephone (304) 357-3034

Subscribed and sworn before me this 11th day of November, 19 97
Judy M. Henley Notary Public
 My commission expires Nov. 22, 1999