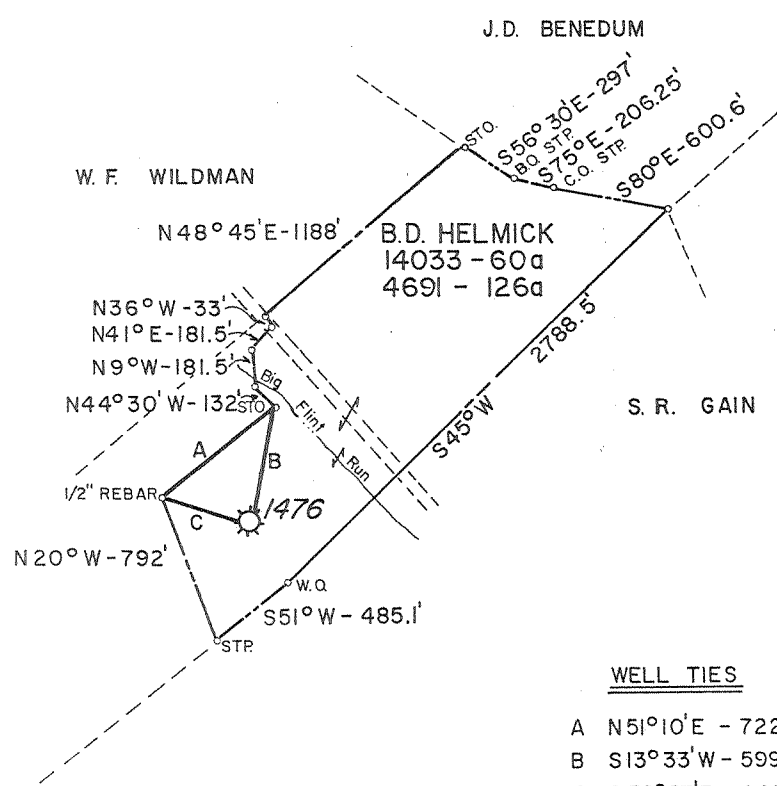


10/7/87

LATITUDE 39°20'00"

LONGITUDE 80°37'30"

NORTH



7 1/2
6/5
1.82w

WELL TIES

- A N51°10'E - 722'
- B S13°33'W - 599'
- C S72°57'E - 442'

MAP Q116135 FF4170201 FB. 2293 PG. 11

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1' IN 200'
 PROVEN SOURCE OF ELEVATION BENCH MARK AT ROAD FORKS. ELEV. = 838'

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 MINES.
 (SIGNED) Ralph E. Campbell
 R.P.E. _____ L.L.S. 211

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE SEPTEMBER 15, 1987
 OPERATOR'S WELL NO. 1476
 API WELL NO. _____
47 - 017 - 2411-P
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1016' WATER SHED BIG FLINT RUN
 DISTRICT GRANT COUNTY DODDRIDGE
 QUADRANGLE SMITHBURG
 SURFACE OWNER CARL A. & BETTY BOWYER ACREAGE 126
 OIL & GAS ROYALTY OWNER B.D. HELMICK (NOW ALLEN B. HELMICK) LEASE ACREAGE 126
 LEASE NO. 4691 & 14033

was 017 70369

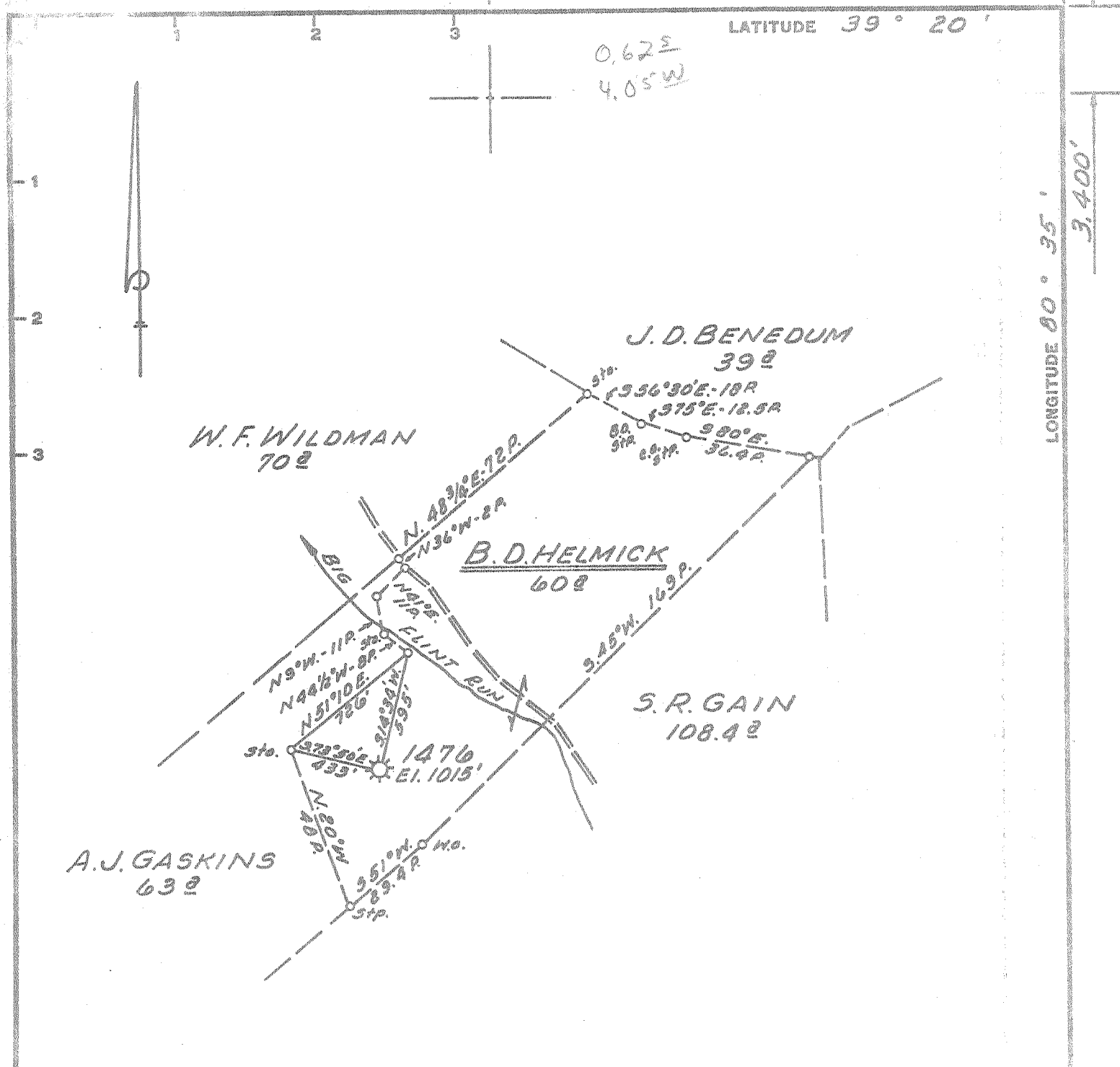
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON X CLEAN OUT AND REPLUG ___
 TARGET FORMATION _____ ESTIMATED DEPTH _____
 WELL OPERATOR CON. GAS TRANS. CORP. DESIGNATED AGENT W.A. FOX
 ADDRESS 445 W. MAIN ST. ADDRESS 445 W. MAIN ST.
CLARKSBURG, W.V. 26301 CLARKSBURG, W.V. 26301

OCT 12 1987

0.62 E
4.05 W

LONGITUDE 80° 35'
3,400'



Minimum Error of Closure 1' IN 200'
Source of Elevation ROAD FORK ELEVATION - 857'

"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 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

- Fracture...
- New Location...
- Drill Deeper...
- Abandonment...

MAP SHT. 54, S9-W3, F.B. 551 Pg. 8 & 16

Company CONSOLIDATED GAS SUPPLY CORP.
 Address CLARKSBURG, WEST VA.
 Farm B. D. HELMICK
 Tract _____ Acres 60 Lease No. 4691 1A033
 Well (Farm) No. _____ Serial No. 1476
 Elevation (Spirit Level) 1015'
 Quadrangle CENTERPOINT SC
 County DODDRIDGE District GRANT
 Engineer Jackson M. Farwin
 Engineer's Registration No. 2397
 File No. _____ Drawing No. _____
 Date MARCH 26, 1970 Scale 1" = 40 FEET

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

WELL LOCATION MAP
FILE NO. Wod-39-Grac.
2411

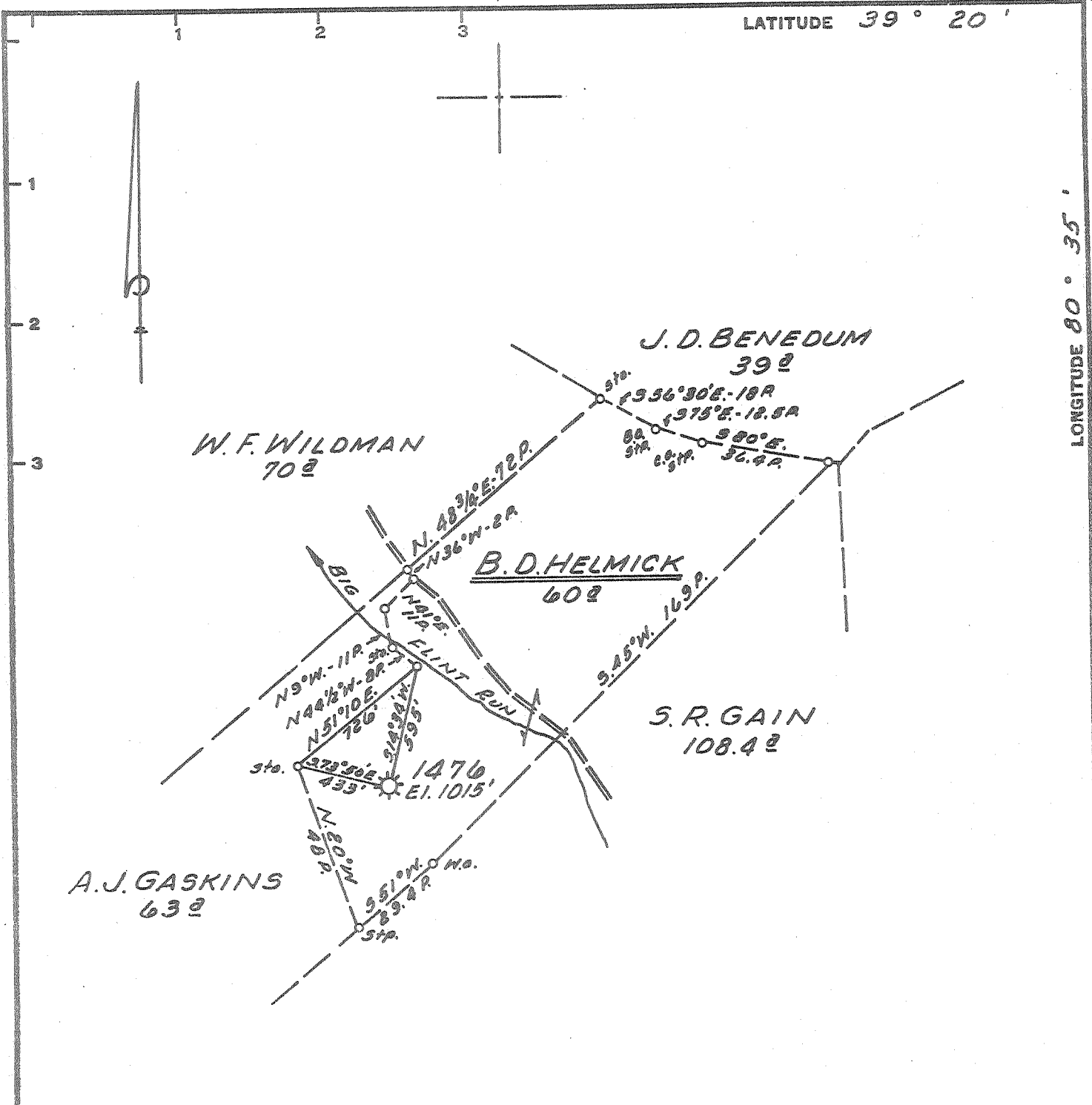
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

APR 27 1970

LATITUDE 39° 20'

LONGITUDE 80° 35'



Minimum Error of Closure 1' IN 200'
 Source of Elevation ROAD FORK ELEVATION - 857'
 "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 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

FRACTURE... Conc. 6/24/70
 New Location...
 Drill Deeper...
 Abandonment...

MAP SHT. 54, S 9-W 3, F.B. 551 PG. 8 & 16

Company CONSOLIDATED GAS SUPPLY CORP.
 Address CLARKSBURG, WEST VA.
 Farm B. D. HELMICK
 Tract _____ Acres 60 Lease No. 4691 14033
 Well (Farm) No. _____ Serial No. 1476
 Elevation (Spirit Level) 1015'
 Quadrangle CENTERPOINT SW
 County DODDRIDGE District GRANT
 Engineer Jackson M. Jarvis
 Engineer's Registration No. 2397
 File No. _____ Drawing No. _____
 Date MARCH 26, 1970 Scale 1" = 40 FEET

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

WELL LOCATION MAP
 FILE NO. Dod-39-3rac.
Conc. 6-24-70

† 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.

	Thickness. Total.	
	Feet.	Feet.
Squaw sand.....	44	2035
Unrecorded to bottom.....	20	2055
10" casing, 337'; 8¼" casing, 781'; 6¾" casing, 1108'; 5½" casing, 1845'.		

Well starts flush with Washington coal bed.

The Powell & Williams No. 1 Well (113A), located on Howell run, 1.3 miles southwest from Flint, is probably the largest Big Injun gasser in the district. This well was completed by the Pennsylvania Oil & Gas Company on March 19, 1911, which reports the initial rock pressure at 765 pounds to the square inch, and the volume, 15 to 18 million cubic feet daily in June, 1911. A test on August 5, 1911, gave a rock pressure of 720 pounds. The gas flow was encountered at a depth of 2054 feet.

The T. W. Powell No. 2012 well of the Hope Natural Gas Company, located on the east hill side of Howell run, sprays much oil with its gas from the Big Injun, that is caught in a drip pan and forced back up hill to an oil tank. The well is located, however, too near the crest of the Arches Fork anticline to expect a large oil pool.

Southwestward up Flint run from Flint P. O., there occurs some prolific gas territory. The four following records are from wells in this region.

was 01750039 (37 Feet)
B. D. Helmick No. 1476 Well Record (114).

0172411

Located in Grant District, ¾ mile southeast of Flint. Authority, Hope Natural Gas Company. Completed April 26, 1910.

	Thickness. Total.	
	Feet.	Feet.
Unrecorded	538	538
Coal, Pittsburgh.....	16	554
Unrecorded	386	940
Little Dunkard sand.....	45	985
Unrecorded	50	1035
Big Dunkard sand.....	35	1070
Unrecorded	115	1185
Gas sand.....	47	1232
Unrecorded	42	1274
Gas sand.....	21	1295
Unrecorded	10	1305
Sand, Salt? (H Cow Run) (water at 1305').....	40	1345
Unrecorded	77	1422

	Thickness. Total.	
	Feet.	Feet.
Salt sand.....	33	1455
Unrecorded	215	1670
Maxton sand (gas at 1698').....	46	1716
Unrecorded	68	1784
Little lime.....	21	1805
Pencil cave.....	10	1815
Big Lime.....	65	1880
Sand, Big Injun.....	138	2018
Unrecorded	3	2021
Sand, Squaw and unrecorded (gas, 2030').....	14	2035
"Volume 38-10 mercury through 6¾" casing."		

The volume test is equivalent to a daily production of 16,750,000 cubic feet, showing this well to be an enormous gasser. It is only one-half mile west of the axis of Arches Fork anticline. The well starts flush with the Washington coal.

M. J. Carr No. 1 Well Record (115). 70027 (14)

Located in Grant District, ¾ mile west of Doak P. O. Authority, Hope Natural Gas Company. Tubed and shut in March 18, 1901.

	Thickness. Total.	
	Feet.	Feet.
(Elevation, 866' L-A. T.)		
Unrecorded	380	380
Pittsburgh coal and unrecorded.....	500	880
Big Dunkard sand.....	45	925
Unrecorded	505	1430
Salt sand.....	60	1490
Unrecorded	170	1660
Big Lime.....	60	1720
Big Injun sand, (gas show, 1730'; strong gas, 1850').....	140	1860
Unrecorded	420	2280
Fifty-foot sand.....	20	2300
Unrecorded	129	2429
Sand, (Gordon Stray).....	7	2436
Slate	28	2464
Lime	10	2474
Lime and shells.....	46	2520
Sand, (Fourth).....	5	2525
Lime	5	2530
Slate	5	2535
Lime and shells.....	55	2590
Slate	20	2610
Lime and shells.....	50	2660
Slate	42	2702
Lime	28	2730
Slate to bottom.....	5	2735

RECEIVED
JAN 12 1988

AFFIDAVIT OF PLUGGING AND FILLING WELL

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

AFFIDAVIT SHOULD BE MADE 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.

None
Coal Operator or Owner

Address

Coal Operator or Owner

Address

Carl A. Bowyer
Lease or Property Owner

Rt. 2, Box 98, Salem, WV. 26426
Address

Consolidated Gas Transmission Corp.
Name of Well Operator

445 West Main ST., Clarksburg, WV.
Complete Address

November 18, 19 87

WELL AND LOCATION

Grant District

Doddridge County

WELL NO. 1476

B.D. Helmick Farm

STATE INSPECTOR SUPERVISING PLUGGING

Mike Underwood

AFFIDAVIT

STATE OF WEST VIRGINIA,

County of Gilmer

ss:

Milford Yoak

and

Rodney Pettit

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 Bet-Ro, Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 4th day of November, 19 87, 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	
2058 to 1985	Gel		276	819	8 1/2"
1985 to 1850	Cement		1460	482	7"
1850 to 1500	Gel		2058	0	3"
1500 to 1400	Cement				
1400 to 1150	Gel				
1150 to 1050	Cement				
1050 to 300	Gel				
300 to 200	Cement				
200 to 50	Gel				
50 to 0	Cement				
Coal Seams					
(Name)					
(Name)					
(Name)					
(Name)					

and that the work of plugging and filling said well was completed on the 17th day of November, 19 87.

And further deponents saith not.

Sworn to and subscribed before me this 20 day of November, 19 87.

Milford Yoak
Rodney Pettit

Sandra K. Reed
Notary Public

My commission expires:
April 13, 1995

JAN 19 1988

Permit No. 47-017-2411-P