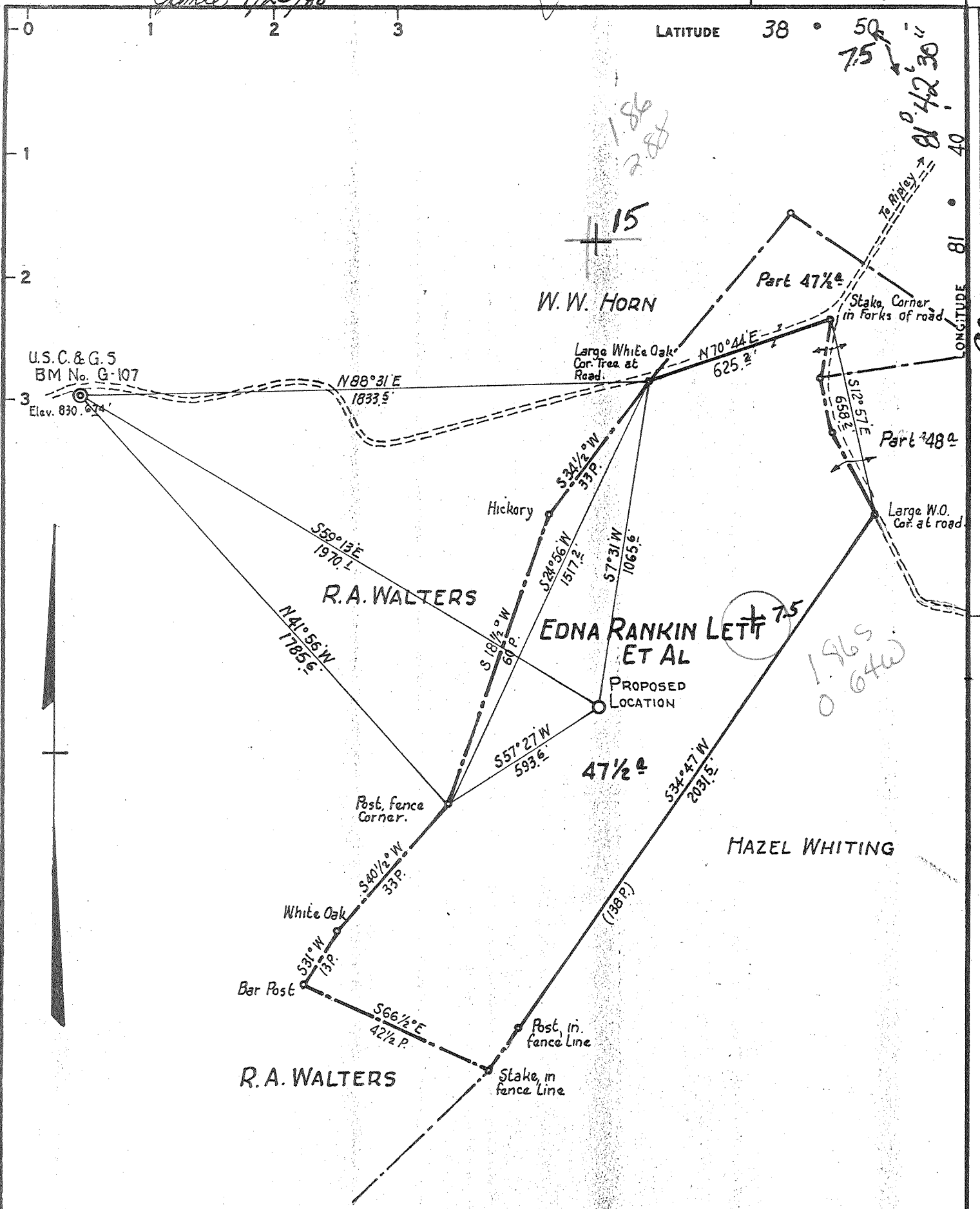


Amie, 4/25/68

3500



CERTIFICATE

"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."

Minimum degree of accuracy is one part in 1000

Signed *W. A. Kowalsky*

N.B. No. 94 - Po. 14

COMPANY	<i>Camberley</i> CORPORATION	140
ADDRESS	P.O. BOX 1134 CHARLESTON, W.VA. 25324	
FARM	EDITH RANKIN LETT ET AL	
MAP	OV 25	ACRES 95 1/2 UNIT LEASE NO. 2373-
WELL (FARM) NO.	1	SERIAL NO. 743
ELEVATION (SPIRIT LEVEL)	808.47'	
QUADRANGLE	RIPLEY S.W. 15 Ripley 7.5 578 1127	
COUNTY	JACKSON	DISTRICT RIPLEY
POINT OF PROVEN ELEVATION	U.S. C. & G.S. BM No. G-107 (See Above)	
FILE NO.	DRAWING NO.	
DATE	JUNE 24, 1965. SCALE 1" = 400'	

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON
WELL LOCATION MAP

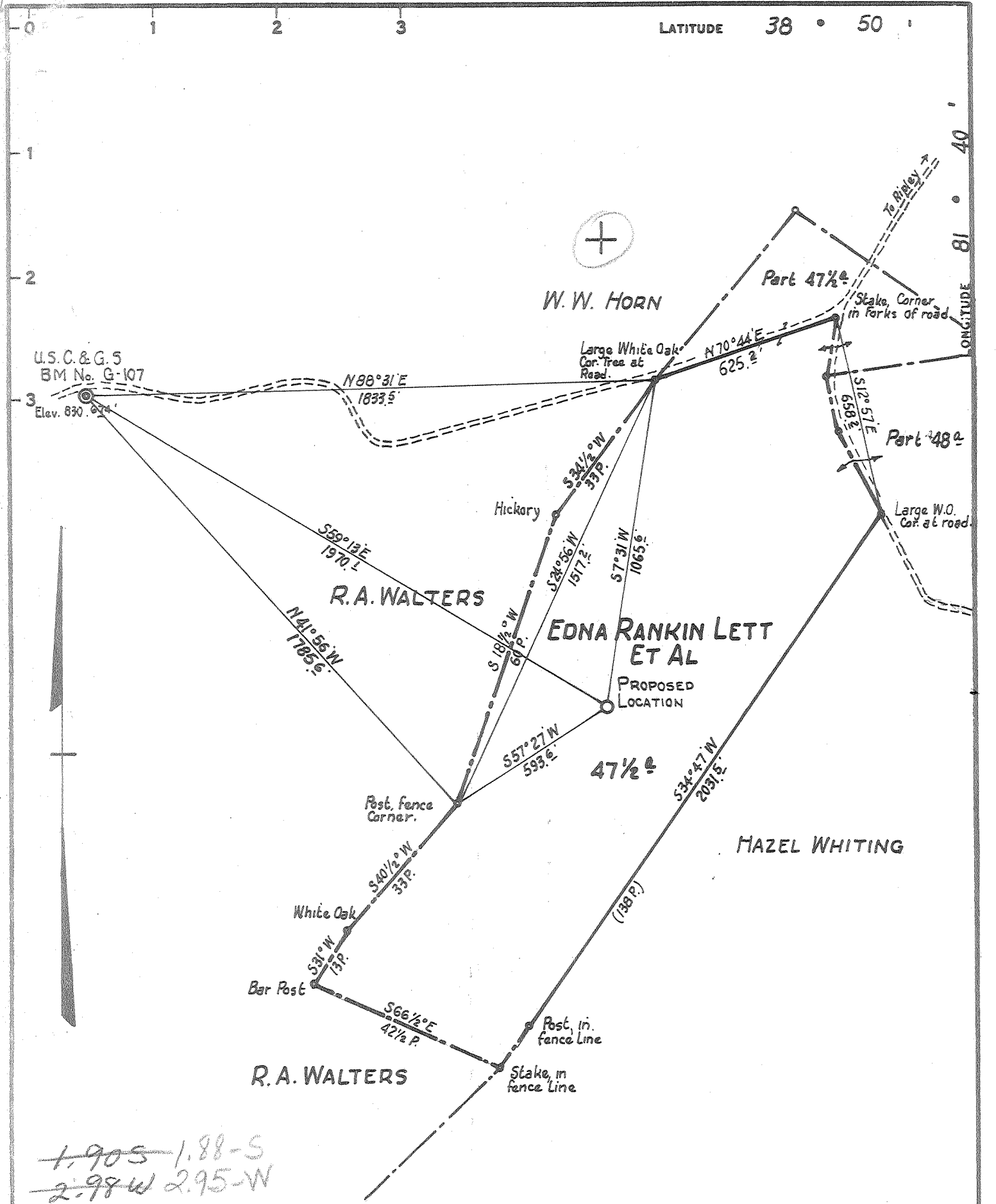
FILE NO. *JAC-1105 - Frac.*

MAY 13 1968

+ 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 WELL OWWO 66 Elk-Poca (Sissonville) (192)



1-905 1.88-S
 2-98W 2.95-W
 9-NC(H-S)

CERTIFICATE

"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."

Minimum degree of accuracy is one part in 1000

Signed W. S. Anarchy

N.B. No. 94 - Pp. 14

COMPANY	COMMONWEALTH GAS CORPORATION		
ADDRESS	P.O. BOX 1433 CHARLESTON, W.VA. 25325		
FARM	EDITH RANKIN LETT ET AL		
MAP	OV 25	ACRES 95 1/2	UNIT LEASE NO. 2373
WELL (FARM) NO.	1	SERIAL NO.	743
ELEVATION (SPIRIT LEVEL)	808.47'		
QUADRANGLE	RIPLEY S.W.		
COUNTY	JACKSON	DISTRICT	RIPLEY
POINT OF PROVEN ELEVATION	U.S.C. & G.S. BM No. G-107 (See Above)		
FILE NO.	DRAWING NO.		
DATE	JUNE 24, 1965. SCALE 1" = 400'		

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON
WELL LOCATION MAP
FILE NO. JAC-1105
+ 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.

No samples, 6-6 3# (192) Deep Well

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.
 Pulled 4947' of 2" tubing. Set wireline bridge plug in 4½" casing at 4900'. Perforated six holes in 4½" casing at 3600'. Cemented 4½" casing with 270 sax 50/50 Pozmix with 10% salt blended. Perforated 4½" casing 4095-4105 with 20 shots. Fractured Brown Shale with 203 bbls water, 520,000 SCF nitrogen and 68,000# 20/40 sand. Breakdown pressure was 2150#. Treating pressure was 2275#.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
SEE ORIGINAL WELL RECORD WHICH IS ATTACHED.					

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FEB 06 1989

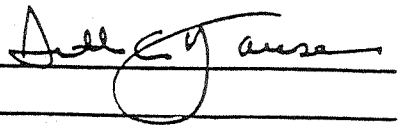
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

CAMBERLEY CORPORATION

Well Operator

By: Arthur C. Youse, Agent



Date: January 31, 1989

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 7

Rotary
Spudder
Cable Tools
Storage

Quadrangle Ripley S. W.

Permit No. Jac. 1105

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company COMMONWEALTH GAS CORPORATION
Address P. O. Box 1433, Charleston, W. Va. 25325
Farm Edna Rankin Lett et al Acres 95 1/2 unit
Location (waters) Grass Run of Parchment Creek
Well No. 743 Elev. 808.47
District Ripley County Jackson
The surface of tract is owned in fee by Edna Rankin Lett
Address Ripley, W. Va.
Mineral rights are owned by Edna Rankin Lett et al
Address Ripley, W. Va.

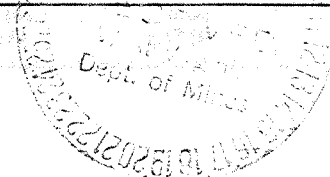
Drilling commenced July 7, 1965
Drilling completed October 27, 1965
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume 822,000 Cu. Ft.
Rock Pressure 1560 lbs. 48 hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16	19'4"	19'4"	Kind of Packer Choke nipple
13 -3/8	715'		Size of _____
10 -3/4	1219'		Depth set <u>4969'</u>
8 1/4	2113'1"	2113'1"	
8 1/4 7"	4871'	998'10"	
5 3/16			Perf. top <u>4970'</u>
4-1/2"	5023'2"	5023'2"	Perf. bottom <u>4976'2"</u>
2 -3/8"	4976'11"	4976'11"	Perf. top _____
Liners Used			Perf. bottom _____

WELL FRACTURED October 10, 1965 618 bbls. water and 25,000 lbs. sand

RESULT AFTER TREATMENT 822,000 cu ft.
ROCK PRESSURE AFTER TREATMENT 1560# 48 hour
Fresh Water 318-328, 345-360 Feet 810-825 Salt Water 1685-1705 Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	15			
Red mud			15	25			
Blue slate			25	80			
Red rock			80	95			
Blue slate			95	104			
Red rock			104	120			
Blue slate			120	160			
Red rock			160	185			
Blue slate			185	205			
Red rock			205	240			
Blue slate			240	280			
Sand - <u>1st</u> <u>part</u>			280	380	Water	318-328	1 barrel per
Blue slate			380	428	Water	345-360	2 "
Red rock			428	460			
Blue slate			460	485			
Red rock			485	520			
Blue slate			520	690			
Sand			690	720			
Blue slate			720	810			
Sand			810	825	Water	810-825	1/2 "
Red & blue slate			825	870			
Blue slate			870	955			
Sand			955	975			
Blue slate			975	1105			
Sand			1105	1115			
Blue slate			1115	1135			
Sand			1135	1150			
Blue slate			1150	1175			
Sand			1175	1225			
Black slate			1225	1237			



Formation	Color	Hard or Soft	Top γ	Bottom	Oil, Gas or Water	Depth Found	Remarks
nd			1237	1275			
ue slate			1275	1340			
nd			1340	1375			
ack slate			1375	1400			
nd			1400	1460			
ack slate			1460	1470			
nd			1470	1505			
ack slate			1505	1575			
oken sand			1575	1685			
LT SAND			1685	1820	Water	1685-1705	Hole full
ate			1820	1826			
XTON SAND			1826	1886			
G LIME			1886	1986		1902	S.L.M.
JUN SAND			1986	2070			
ue slate			2070	2090			
ate & gritty shells			2090	2110			
itty shells			2110	2116			
ate & gritty shells			2116	2450			
own Shale			2450	2467			
REA SAND			2467	2478			
ite slate			2478	3690			
OWN SHALE			3690	3760			
ite slate			3760	3945			
OWN SHALE			3945	4065	Gas	4064-4082	Show
ite slate			4065	4085			
OWN SHALE			4085	4180			
ite slate			4180	4612	Gas	4318	Burned 5' high in 1"
OWN SHALE			4612	4712			
ite slate			4712	4747			
OWN SHALE			4747	4852			
RNIFEROUS LIME			4852	4954		4857	S.L.M.
ISKANY SAND			4954	4983	Gas	4966-4970	18,000 cu. ft.
RNIFEROUS LIME			4983	4992	Gas	4970-4974	84,000 cu. ft.
ISKANY SAND			4992	5005			
me			5005	5028	Gas	5007	30,000 cu. ft.
			TOTAL DEPTH	5028			

Salt Sand

441

443

Helderberg

485

FINAL GAUGE: 822,000 cu. ft. after frac

Date December 29, 19...

APPROVED COMMONWEALTH GAS CORPORATION, Owner

By W. S. Gravelly, Land Eng. Dept. (Title)

035-1105

COMMONWEALTH GAS CORPORATION

WELL COMPLETION REPORT

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APR 25 1988

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Edna Rankin Lett et al
Permit No. Jac. 1105
Elevation 808.47'
Ripley District, Jackson County, W. Va.
Well No. 743
Commenced: July 7, 1965
Completed: October 27, 1965

Casing

16"	19'	4"	
13-3/8"	715'		Pulled
10-3/4"	1219'		Pulled
8-1/4"	2113'	1"	
7"	4871'		
4-1/2"	5023'	2"	
2-3/8"	4976'	11"	

Formation	Top	Bottom	Formation	Top	Bottom
Surface	0	15	Black slate	1375	1400
Red mud	15	25	Sand	1400	1460
Blue slate	25	80	Black slate	1460	1470
Red rock	80	95	Sand	1470	1505
Blue slate	95	104	Black slate	1505	1575
Red rock	104	120	Broken sand	1575	1685
Blue slate	120	160	SAIT SAND	1685	1820
Red rock	160	185	Slate	1820	1826
Blue slate	185	205	MAXTON SAND	1826	1886
Red rock	205	240	BIG LIME	1886	1986
Blue slate	240	280	INJUN SAND	1986	2070
Sand	280	380	Blue slate	2070	2090
Blue slate	380	428	Slate & gritty shells	2090	2110
Red rock	428	460	Gritty shells	2110	2116
Blue slate	460	485	Slate & gritty shells	2116	2450
Red rock	485	520	Brown Shale	2450	2467
Blue slate	520	690	HEREA SAND	2467	2478
Sand	690	720	White slate	2478	3690
Blue slate	720	810	BROWN SHALE	3690	3760
Sand	810	825	White slate	3760	3945
Red & blue slate	825	870	BROWN SHALE	3945	4065
Blue slate	870	955	White slate	4065	4085
Sand	955	975	BROWN SHALE	4085	4180
Blue slate	975	1105	White slate	4180	4612
Sand	1105	1115	BROWN SHALE	4612	4712
Blue slate	1115	1135	White slate	4712	4747
Sand	1135	1150	BROWN SHALE	4747	4852
Blue slate	1150	1175	CORNIFEROUS LIME	4852	4954
Sand	1175	1225	ORISKANY SAND	4954	4983
Black slate	1225	1237	Corniferous Lime	4983	4992
Sand	1237	1275	ORISKANY SAND	4992	5005
Blue slate	1275	1340	Lime	5005	5028
Sand	1340	1375	TOTAL DEPTH		5028

Water
318' 1 bailer per hour
345' 2 bailers per hour
810' 1/2 bailer per hour
1685' Hole full

S.L.M.
1902'
4875'

FINAL GAUGE
822,000 cu. ft.
after frac

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

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

140
 LAMBERLEY CORPORATION

1 EDNA LETT 3) Elevation: 808.47

or Gas
 Production Underground storage
 Deep Shallow 441

Formation(s): DEVONIAN BROWN SHALE

4250 feet

strata depths: 318 & 810

depths: 1685

depths: NONE REPORTED

seam tributary to active mine? Yes No

OFF ORISKANY ZONE, CEMENT 4 1/2 CASING,
 BROWN SHALE

CASING AND TUBING PROGRAM

SIZES	FOOTAGE INTERVALS			CEMENT
	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
		19'	19'	—
		717'	— 0 —	
		1219'	— 0 —	
		2113	2113	YES
		4871	999	YES
			5023	YES

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 APR 25 1988

Division of Oil and Gas Use Only
 DEPARTMENT OF ENERGY
 WPCF
 Reclamation Fund
 WW-2B Bond 50000 (Type)
 Age

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APR 25 1988

Page 1 of _____
Form WW2-A
(09/87)
File Copy

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date: April 14, 1988
Operator's well number # 1 LETT
API Well No: 47 - 035 - 1105-FRAC.
State - County - Permit

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 MRS. EDNA R. LETT
Address ROUTE 1, BOX 60
POCA, W.VA. 25159
(b) Name _____
Address _____
(c) Name _____
Address _____

5) (a) Coal Operator:
Name NOT OPERATED
Address _____
(b) Coal Owner(s) with Declaration
Name NONE
Address _____
Name _____
Address _____

6) Inspector JERRY TEPHABOCK
Address RT. 1, BOX 101 - A
RIPLY, WEST VIRGINIA 25271
Telephone (304) - 372-6805

(c) Coal Lessee with Declaration
Name NONE
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
 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)

 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 CAMBERLEY CORPORATION
By: ARTHUR C. YOUSE
Its: AGENT
Address P.O. Box 1134
CHARLESTON, W.VA. 25324
Telephone 304-372-6596

Subscribed and sworn before me this 15 day of APRIL, 1988

William D. Cafery COMMISSIONER FOR W.VA.
My commission expires April 21, 1990