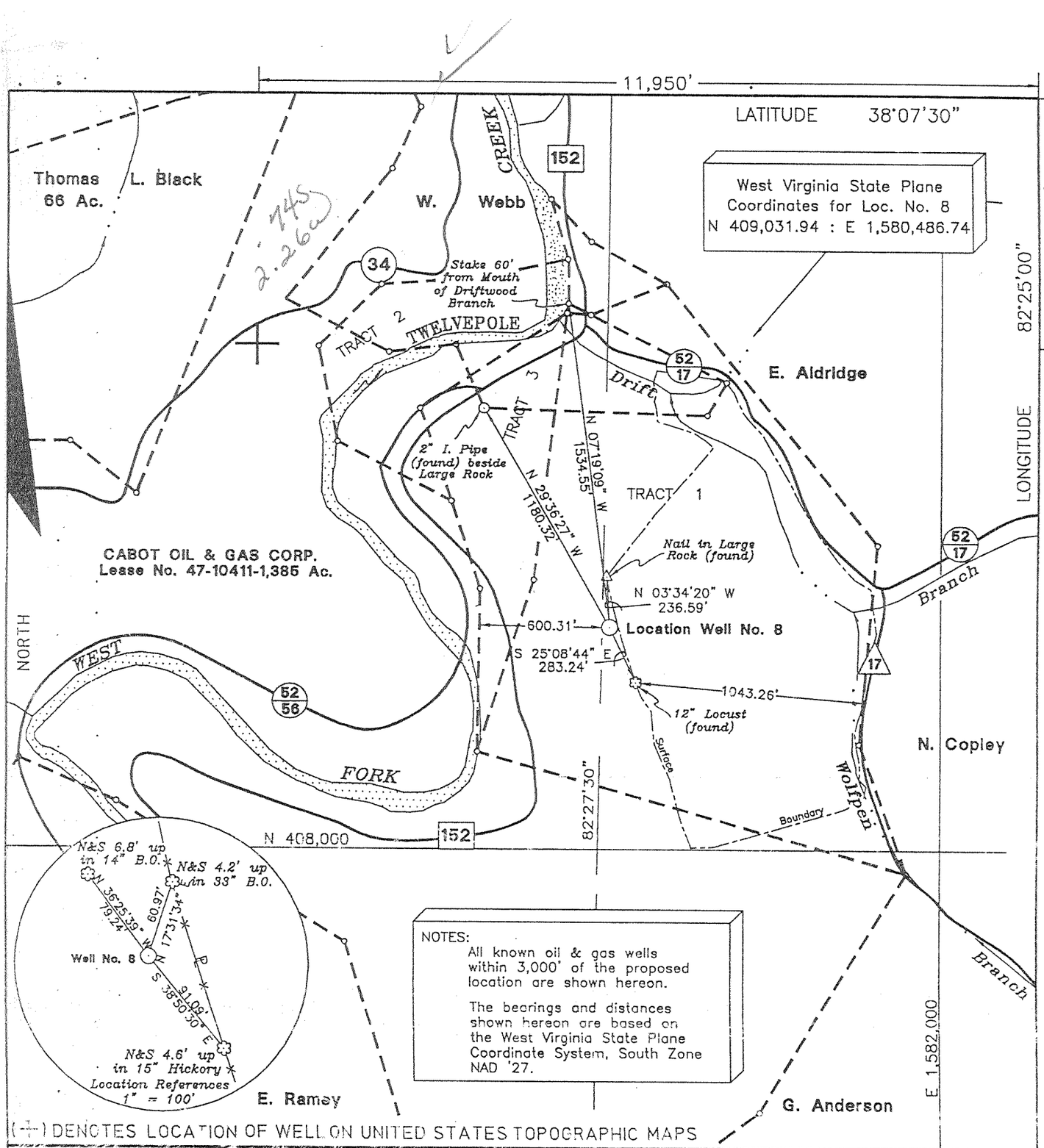

FILE NO. 4654 WW
DRAWING NO. CNR8WW61
SCALE 1" = 600'
MINIMUM DEGREE OF ACCURACY 1 : 118,709 (GPS)
PROVEN SOURCE OF ELEVATION U.S.C.&C.S. BM "F-149" Elev. = 644.88 NGVD '29

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 THE LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

(SIGNED) Ronald L Eastham

R.P.E. _____ L.L.S. 150

RONALD L. EASTHAM LICENSED No. 150 STATE OF WEST VIRGINIA LAND SURVEYOR

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
NITRO, WV

DATE May 6, 19 99
OPERATOR'S WELL NO. CNR 8R
API WELL NO.
47 - 099 - 0199 1
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 913.58 WATER SHED West Fork of Twelvepole Creek
DISTRICT Lincoln COUNTY Wayne
QUADRANGLE Radnor

SURFACE OWNER Landon H. Walker ACREAGE 10 (T.M. 2, Par. 37)
OIL & GAS ROYALTY OWNER Columbia Natural Resources, Inc. LEASE ACREAGE 1,385
LEASE NO. 47-10411

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

JUN 01 1999

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___

TARGET FORMATION Big Six ESTIMATED DEPTH 4100' 6L 353

OIL OPERATOR Cabot Oil & Gas Corp. DESIGNATED AGENT John Abshire
ADDRESS P.O. Box 454 ADDRESS P.O. Box 454
CP WELL Glasgow, WV 25080 Glasgow, WV 25080

COUNTY NAME WAY
PERMIT 1991

FORM WW-6

WR-35

Date: 17-Nov-99
API # 47-099-01991

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Reviewed K

Farm name: Walker, Landon & Ethel Operator Well No.: CNR #8R

LOCATION: Elevation: 913' Quadrangle: Radnor
District: Lincoln County: Wayne
Latitude: 3,910 feet South of 38 DEG. 7 MIN. 30 SEC.
Longitude: 11,950 feet West of 82 DEG. 25 MIN. 0 SEC.

Company: Cabot Oil & Gas Corporation
400 Fairway Drive: Suite 400
Coraopolis, PA 15108-4308

Agent: John Abshire
Inspector: David Belcher
Permit Issued: 5/28/99
Well Work Commenced: 10/25/99
Well Work Completed: 11/19/99
Verbal Plugging
Permission granted on:
Rotary X Cable
Total Depth (feet) 4106'
Fresh Water Depths (ft) 175'

Salt Water Depths (ft) 987'

Is coal being mined in area (Y / N)?
Coal Depths (ft)

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill up Cu. Ft.
16"	29'	29'	
9-5/8"	573'	573'	250 sks Class "A"
7"	1686.4'	1686.4'	280 sks Class "A"
4-1/2"	4064'	4064'	100 sks Latex

OPEN FLOW DATA

Producing formation Lockport Pay zone depth (ft) 3946' – 3955'
Gas: Initial open flow 550 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 421 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock pressure 720 psig (surface pressure after 14 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: CABOT OIL & GAS CORPORATION
By: Ray Prudrick Jr.
Date: 12-20-99

WAY 1991

OPEN FLOW DATA

Perf'd Lockport @ 3946`3955`. Pumped 24 bbls of fluid to displace 250 gals of 15% HCl acid into formation. Swabbed well off.

FORMATION	TOP	BOTTOM	REMARKS
Sand/Shale	0	1070	
Shale	1070	1095	
Salt Sand	1095	1280	
Shale	1280	1345	
Big Lime	1345	1550	
Shale	1550	1638	
Injun	1638	1666	
Shale	1666	2160	
Berea	2160	2200	
Devonian Shale	2200	3266	
Limestone	3266	3465	
Dolomite	3465	3945	
Lockport	3945	3956	
Big Six	3956	4000	
Shale	4000	4106 - TD	