

WELL REFERENCES:

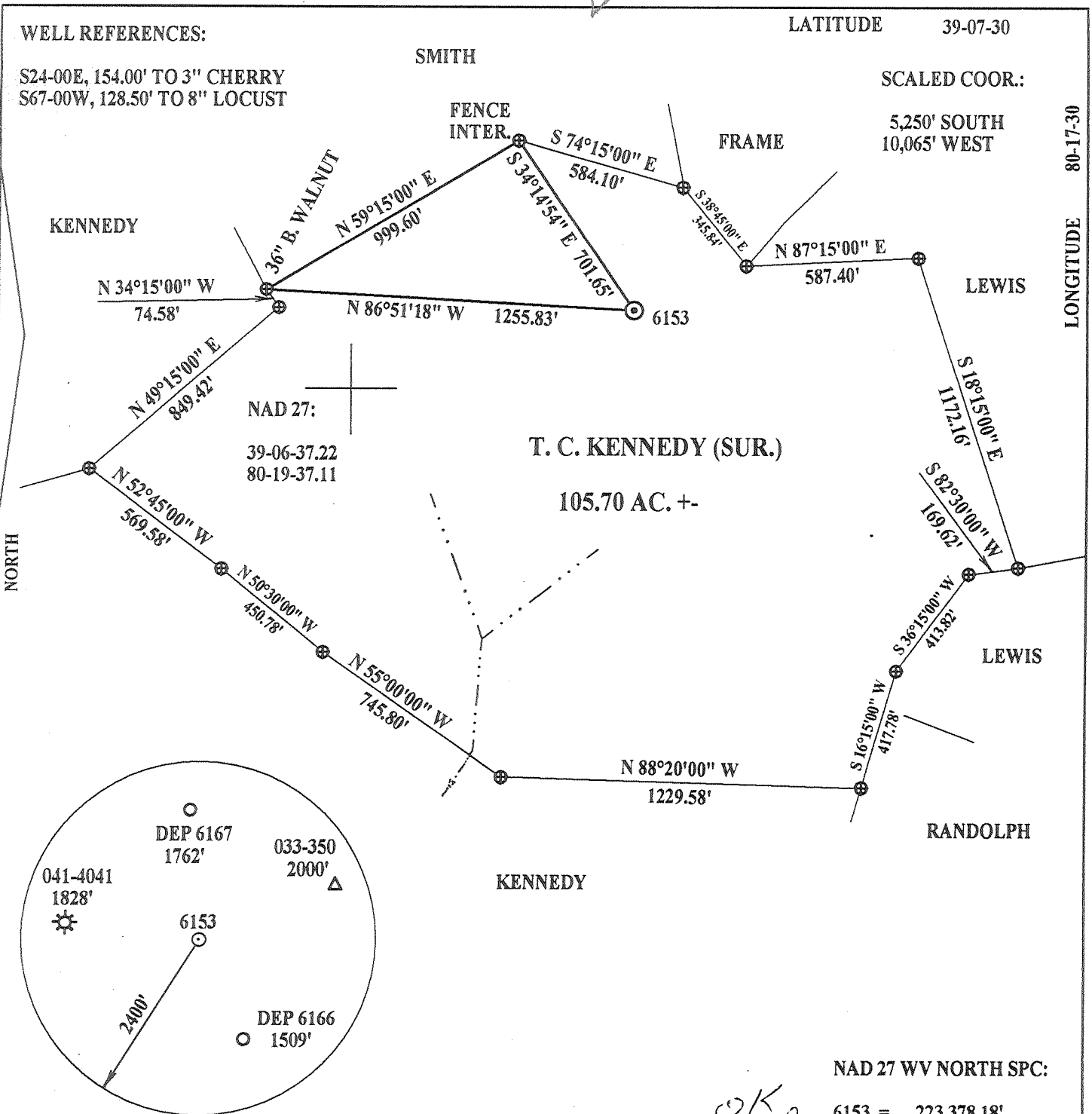
S24-00E, 154.00' TO 3" CHERRY
S67-00W, 128.50' TO 8" LOCUST

LATITUDE 39-07-30

SCALED COOR.:

5,250' SOUTH
10,065' WEST

LONGITUDE 80-17-30



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


NAD 27 WV NORTH SPC:

6153 = 223,378.18'
1,765,335.60'

*OK
REL*

FILE NUMBER: _____
DRAWING NUMBER: DEP6153.2.PCS
SCALE: 1" = 500'
MINIMUM DEGREE OF ACCURACY: 1 IN 200
PROVEN SOURCE OF ELEVATION: DGPS SURVEY 01/03/03
SUBMETER SYSTEM

I THE UNDERSIGNED, HEREBY STATE 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) 
STEPHEN D. LOSH, P.S. #674

PROFESSIONAL LAND SURVEYOR
STEPHEN D. LOSH
NO. 674
STATE OF WEST VIRGINIA
PLACE SEAL HERE

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
FORM WW-6 #10 McJUNKIN ROAD
NITRO, WV 25143-2506

LAND SURVEYING SERVICES
21 CEDAR LANE, BRIDGEPORT, WV 26330
PHONE: 304-842-2018 OR 842-5762

DATE: JANUARY 03, 2003
OPERATORS WELL NO.: 6153
API WELL NO. _____

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

LOCATION: ELEVATION 1470.01' WATERSHED BILLS LICK
DISTRICT GRANT COUNTY HARRISON
QUADRANGLE BERLIN LEASE NUMBER LC066698

SURFACE OWNER THOMAS C. KENNEDY ACREAGE 105.00
OIL & GAS ROYALTY OWNER MELVINA COOKMAN LEASE ACREAGE 106.00

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___
PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE (SPECIFY) _____
PLUG & ABANDON ___ CLEAN OUT & REPLUG ___

TARGET FORMATION BENSON ESTIMATED DEPTH 4645'

WELL OPERATOR DOMINION EXPLORATION & PRODUCTION, INC. DESIGNATED AGENT RODNEY BIGGS
ADDRESS P. O. BOX 1248 JANE LEW, WV 26378 ADDRESS P. O. BOX 1248 JANE LEW, WV 26378

COUNTY NAME PERMIT

HAR 4387

6-6 (Watershed Jane Lew 153)

JAN 3 1 2003

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

MB

Well Operator's Report of Well Work

Farm name: Kennedy, Thomas C. Operator Well No.: 6153

LOCATION: Elevation: 1470.01' Quadrangle: Berlin

District: Grant County: Harrison
Latitude: 5250 Feet South of 39 Deg. 07 Min. 30 Sec.
Longitude 10,065 Feet West of 80 Deg. 17 Min. 30 Sec.

Company: Dominion Exploration & Production, Inc

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P O Box 1248 Jane Lew, WV 26378				
Agent: Rodney J. Biggs				
Inspector: Tim Bennett				
Date Permit Issued: 1/30/2003				
Date Well Work Commenced: 05/19/03	16"	28'	28'	Sand In
Date Well Work Completed: 06/11/03				
Verbal Plugging: N/A	10 3/4"	823'	823'	444 sks
Date Permission granted on: N/A				
Rotary X Cable Rig	7"	2146'	2146'	445 sks
Total Depth (feet): 4577'				
Fresh Water Depth (ft.): 1115'	4 1/2"	4558'	4558'	210 sks
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): N/A				

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 4440-4450'
Bayard 2548-2558'
Gas: Initial open flow 363 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 831 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 12 Hours
Static rock Pressure 160 psig (surface pressure) after 12 Hours

Second producing formation 5th Sand Pay zone depth (ft) 2471-2481'
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

* Commingled

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: _____

By: Rodney J. Biggs

Date: 7/2/03

RJ Biggs

7/2/03

NR

JUL 2 5 2003

WELL 6153

06/11/2003 PERFED THREE ZONES IN WELL. GEL FRACED THREE ZONES IN WELL.

RIG CLEANED UP WELL AFTER FRAC.

BENSON: PERFED 4440-50, 1813 BD, 21 HOLES, AVG RATE = 23, AVG PRES = 1510 PSI, 559 BBL, SAND 40,000, ISIP = 912 PSI

BAYARD: PERFED 2548-58, 2452 BD, 21 HOLES, AVG RATE = 23, AVG PRES = 1938 PSI, 437 BBL, SAND 35,000, ISIP = 1480 PSI

5TH: PERFED 2471-81, 2900 BD, 21 HOLES, AVG RATE = 17.2, AVG PRES = 2738 PSI, 368 BBL, SAND 25,000, ISIP = 1670 PSI

Sand & shale	0	21
Sand	21	50
RR & Shale	50	398
Sand	398	425
Sand & Shale	425	725
Sand	725	753
Sand & Shale	753	968
Sand	968	1605

FORMATION TOPS

Big Lime	1605	1698
Big Injun	1698	1782
Gantz	1943	1979
Gordon	2207	2355
5 th Sand	2470	2498
Bayard	2547	2572
Benson	4439	4485
LTD		4579'