

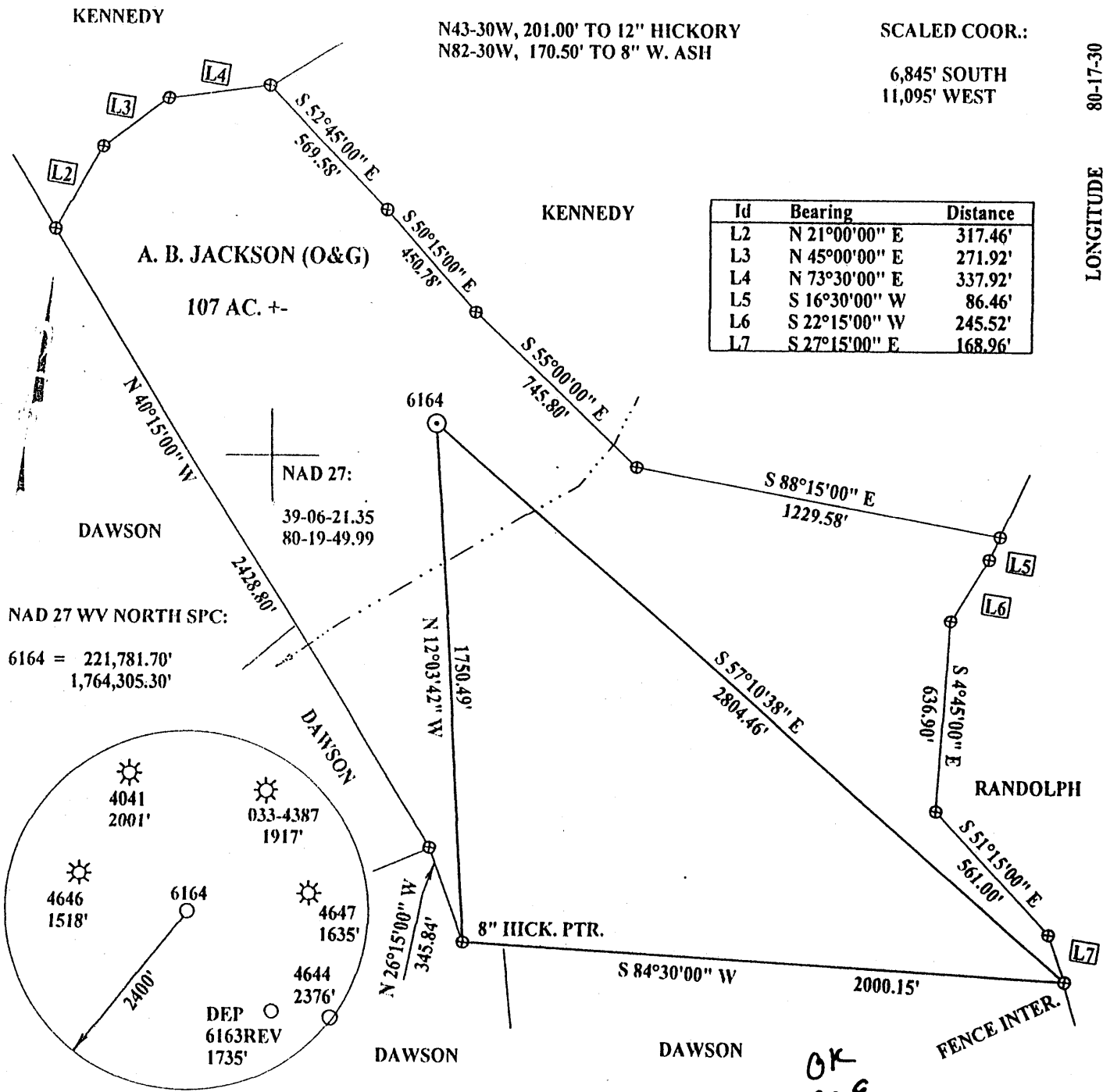
LATITUDE 39-07-30

WELL REFERENCES:

N43-30W, 201.00' TO 12" HICKORY
N82-30W, 170.50' TO 8" W. ASH

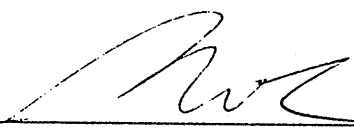
SCALED COOR.:
6,845' SOUTH
11,095' WEST

LONGITUDE 80-17-30



FILE NUMBER: _____
DRAWING NUMBER: DEP6164R.PCS
SCALE: 1" = 500'
MINIMUM DEGREE OF ACCURACY: 1 IN 200
PROVEN SOURCE OF ELEVATION: DGPS SURVEY 12/03/03
SUBMETER SURVEY

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



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

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

DATE: DECEMBER 05, 2003

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
LOCATION: ELEVATION 1293.05' WATERSHED BILLS LICK
DISTRICT HACKERS CREEK COUNTY LEWIS
QUADRANGLE BERLIN

OPERATORS WELL NO.: 6164
API WELL NO. 47 - 041 - 04789
STATE COUNTY PERMIT

SURFACE OWNER THOMAS C. KENNEDY, ET. AL. ACREAGE 107.00
OIL & GAS ROYALTY OWNER ALLIE B. JACKSON LEASE ACREAGE 107.00
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___
PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE (SPECIFY) _____
TARGET FORMATION BENSON PLUG & ABANDON ___ CLEAN OUT & REPLUG ___
ESTIMATED DEPTH 4425'
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 LEWIS
PERMIT 4789

(Winston Jenkins 153) 6-6

FEB - 5 2004

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

Well Operator's Report of Well Work

Farm name: Kennedy, Thomas Co., Etal. Operator Well No.: 6164

LOCATION: Elevation: 1293.05' Quadrangle: Berlin

District: Hackers Creek County: Lewis

Latitude: 6.845 Feet South of 37 Deg. 07 Min. 30 Sec.

Longitude 11.095 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: 02/04/2004				
Date Well Work Commenced: 02/07/2006	16"	36'	36'	Sand In
Date Well Work Completed: 03/01 & 09/2006				
Verbal Plugging N/A	10 3/4"	826'	826'	525 sks
Date Permission granted on: N/A				
Rotary X Cable Rig	7"	1957'	1957'	545 sks
Total Depth (feet): 4452'				
Fresh Water Depth (ft.): 54'	4 1/2"	4409'	4409'	245 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) 4245-4255'
Bayard Pay zone depth (ft) 2354-2364'
 Gas: Initial open flow 60 MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 490 MCF/d Final open flow 0 Bbl/d
 Time of open flow between initial and final tests 12 Hours
 Static rock Pressure 300 psig (surface pressure) after 12 Hours

Second producing formation 5th Sand Pay zone depth (ft) 2278-2334'
 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 with previous formations

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: 3/22/06

MAR 31 2006

REC'D
Office of Oil & Gas
Office of Chief
MAR 24 2006
WV Department of
Environmental Protection

LEW 4789

3/1/06

PERFED AND GEL WITH N2 FRACED WELL AS FOLLOWS:
 BENSON - 4245' - 4255', 21 HOLES. B.D. 1622#, AVG RATE 19 BPM, AVG PRESS 1872#, TOTAL BBL 510, TOTAL SAND 45,000#, SCF N2 106,000#, ISIP 1250#

3/9/06

PERFED AND FRACED TWO STAGES IN WELL AS FOLLOWS:
 BAYARD: 2354' - 2364', 21 HOLES, BD - 2230#, AVG RATE 18 BPM, AVG PRESS 1778#, TOTAL BBL 340, TOTAL SAND 30,000#, SCF N2 - 44,700#, ISIP - 1450#
 5TH SAND: 2278' - 2334', 24 HOLES, BD - 2093#, AVG RATE 18 BPM, AVG PRESS 2252#, TOTAL BBL 311, TOTAL SAND 25,500#, SCF N2 - 42,000#, ISIP - 1780#

Fill	0	5
Sand & Shale	5	36
RR & Shale	36	82
Sand & Shale	82	167
Sand	167	190
Sand & Shale	190	220
RR & Shale	220	260
Sand & Shale	260	431
RR & Shale	431	453
Sand & Shale	453	787
Sand	787	857
Sand & shale	857	1111
RR	1111	1130
Sand & Shale	1130	1178
RR	1178	1182
Sand & Shale	1182	1196
RR	1196	1207
Sand & Shale	1207	1237
RR & Shale	1237	1278
Sand & Shale	1278	1298
RR	1298	1316
Sand & Shale	1316	

GAMMA RAY / FORMATION TOPS				
DEPI #6164	047-041-04789			
			TOP	BASE
LITTLE LIME			1364	1410
BIG LIME			1410	1474
KEENER SAND			1474	1520
BIG INJUN SAND			1531	1594
GANTZ SAND			1765	1811
50 FOOT			1821	1875
30 FOOT			1922	1934
GORDON SAND			1975	2195
5TH SAND			2274	2306
BAYARD SAND			2354	2380
BENSON			4245	4292
LTD			4439	