

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

FILE NUMBER: _____
 DRAWING NUMBER: EXPBOLT5.PCS
 SCALE: 1" = 200'
 MINIMUM DEGREE OF ACCURACY: 1 IN 200
 PROVEN SOURCE OF ELEVATION: DGPS SURVEY 03/02/01
SUBMETER SYSTEM

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 ENERGY.

(SIGNED) [Signature]
 STEPHEN D. LOSH, P.S. #674



STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 FORM WW-6
 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: MARCH 05, 2001
 OPERATORS WELL NO.: E-527
 API WELL NO. 47 - 049 - 1295
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1213.78' WATERSHED LITTLE BINGAMON CREEK
 DISTRICT LINCOLN COUNTY MARION
 QUADRANGLE SHINNSTON LEASE NUMBER 4431

SURFACE OWNER EDNA R. PAYNE ACREAGE 19.50
 OIL & GAS ROYALTY OWNER LOLA J. & RICHARD BOLT, ET. AL. LEASE ACREAGE 139.00

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 ___
 ESTIMATED DEPTH 3900'

TARGET FORMATION BALLTOWN

WELL OPERATOR EXPLORATION PARTNERS, LLC DESIGNATED AGENT LOUIS FERRARI
 ADDRESS P. O. BOX 930 BRIDGEPORT, WV 26330 ADDRESS P. O. BOX 930 BRIDGEPORT, WV 26330

COUNTY NAME
 PERMIT

6-6 64
 MAR 23 2001

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

ALP

WELL OPERATOR'S REPORT OF WELL WORK

FARM NAME: Bolt #5 OPERATOR WELL NO: E-527

LOCATION: ELEVATION: 1214 QUADRANGLE: Shinnston

DISTRICT: Lincoln COUNTY: MARION
LATITUDE: 20 FEET SOUTH OF 39 DEG. 27 MIN. 30 SEC.
LONGITUDE: 2700 FEET WEST OF 80 DEG. 20 MIN. 00 SEC.

COMPANY: EXPLORATION PARTNERS, LLC

PO BOX 930
BRIDGEPORT, WV 26330

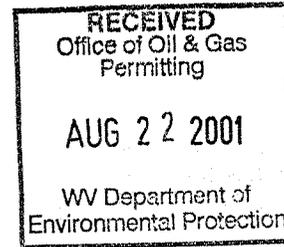
AGENT: LOUIS A. FERRARI
INSPECTOR: RANDY MICK
PERMIT ISSUED: 3/22/01
WELL WORK COMMENCED: 5/17/01
WELL WORK COMPLETED: 5/19/01

CASING & TUBING SIZE	USED IN DRILLING	LEFT IN WELL	CEMENT FILL UP CU. FT.
13 3/8	25'	25'	
9 5/8	0'	0'	0 SKS
7	1200'	1200'	189 SKS
4 1/2	3782'	3782'	180 SKS

VERBAL PLUGGING
PERMISSION GRANTED ON:
ROTARY X CABLE RIG
TOTAL DEPTH (FEET) 3823'
FRESH WATER DEPTHS (FT) 140

SALT WATER DEPTHS (FT) N/A

IS COAL BEING MINED IN AREA (Y/N)? N
COAL DEPTHS (FT) 135-140,245-250,370-380,
928-930



OPEN FLOW DATA
PRODUCING FORMATIONS ball town, 5th sand, gordon, 30', 50', gantz, pocono, big injun PAY ZONES
DEPTH (FT) 1730-3660
GAS: INITIAL OPEN FLOW show MCF/D OIL: INITIAL OPEN FLOW N/A BBL/
FINAL OPEN FLOW 411 MCF/D FINAL OPEN FLOW N/A BBL/
TIME OF OPEN FLOW BETWEEN INITIAL AND FINAL TESTS 24 HOUR(S)
STATIC ROCK PRESSURE 140 PSIG (SURFACE PRESSURE AFTER 12 HOUR(S))

SECOND PRODUCING FORMATION PAY SONE DEPTH (FT)
GAS: INITIAL OPEN FLOW MCF/D OIL: INITIAL OPEN FLOW N/A BBL/
FINAL OPEN FLOW MCF/D FINAL OPEN FLOW N/A BBL/
TIME OF OPEN FLOW BETWEEN INITIAL AND FINAL TESTS HOUR(S)
STATIC ROCK PRESSURE PSIG (SURFACE PRESSURE AFTER HOUR(S))

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1) DETAILS OF PERFORATE 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: EXPLORATION PARTNERS, LLC

BY: *Louis A. Ferrari* LOUIS A. FERRARI
DATE: August 17, 2001

MAR 12 95

AUG 24 2001

FORM IV-35
(REVERSE)

DETAILS OF PERFORATED INTERVALS, FRACTURING, OR STIMULATING PHYSICAL CHANGE ETC.

- 426 - 433 I. (3163-3650), 20 holes, 500 gal. HCL, 200 sks 20/40, 200 BBL Gelled H2O
 422 II. (2733-2754), 16 holes, 500 gal. HCL, 100 sks 20/40, 150 BBL Gelled H2O
 414 - 419 III. (2469-2623), 21 holes 500 gal HCL, 150 sks 20/40, 200 BBL Gelled H2O
 413 - 414 IV. (2185-2417), 25 holes, 750 gal. HCL, 150 sks 20/40, 210 BBL Gelled H2O
 371 V. (1858-1868), 20 holes, 500 gal. HCL 200 sks 20/40, 190 BBL Gelled H2O
 371 VI. (1766-1825), 18 holes, 750 gal. HCL, 250 sks 20/40, 210 BBL Gelled H2O

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS-including indication of all fresh and salt water, coal and gas
dirt	0	20	
shale	20	135	
coal	135	140	wet
shale	140	245	
coal	245	250	
shale	250	370	
coal	370	380	
sand & shale	380	928	
coal	928	930	
sand & shale	930	1670	
big lime	1670	1730	
big injun	1730	1830	
pocono	1830	1860	
shale	1860	2170	
gantz	2170	2180	
shale	2180	2290	
50'	2290	2420	
shale	2420	2460	
30'	2460	2470	
shale	2470	2580	
gordon	2580	2640	
shale	2640	2750	
5 th sand	2750	2760	
shale	2760	3320	
speechley	3320	3330	
shale	3330	3630	
ball town	3630	3660	
shale	3660	3823	LTD

