

FILE NUMBER: \_\_\_\_\_  
 DRAWING NUMBER: EXPHORSE2.PCS  
 SCALE: 1" = 300'  
 MINIMUM DEGREE OF ACCURACY: 1 IN 200  
 PROVEN SOURCE OF ELEVATION: DGPS SURVEY 04/24/03  
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) [Signature]  
 STEPHEN D. LOSH, P.S. #674

WELL REFERENCES:  
 S52-00W, 76.00' TO 14" HICKORY  
 N49-00W, 69.00' TO 24" W. OAK

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-6 910 McJUNKIN ROAD  
 NITRO, WV 25143-2506

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

LOCATION: ELEVATION 1422.69' WATERSHED LITTLE BINGAMON CREEK  
 DISTRICT LINCOLN COUNTY MARION  
 QUADRANGLE SHINNSTON

SURFACE OWNER JOHN J. FISHER, JR.  
 OIL & GAS ROYALTY OWNER J. W. HESS, HEIRS

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_  
 PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE (SPECIFY) \_\_\_\_\_

TARGET FORMATION BALLTOWN PLUG & ABANDON \_\_\_ CLEAN OUT & REPLUG \_\_\_  
 ESTIMATED DEPTH 4400

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

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

DATE: APRIL 25, 2003  
 OPERATORS WELL NO.: E-581  
 API WELL NO. 47 - 049 - 01417  
 STATE COUNTY PERMIT

LEASE NUMBER 535  
 ACREAGE 27.80  
 LEASE ACREAGE 25.00

COUNTY NAME MAR  
 PERMIT 1417

(Famington 64)

MAY 23 2003

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

WELL OPERATOR'S REPORT OF WELL WORK

FARM NAME: HORSE #21 OPERATOR WELL NO: E-581

LOCATION: ELEVATION: 1422.69 QUADRANGLE: SHINNSTON

DISTRICT: LINCOLN COUNTY: HARRISON  
LATITUDE: 7825 FEET SOUTH OF 39 DEG. 30 MIN. 40 SEC.  
LONGITUDE: 685 FEET WEST OF 80 DEG. 20 MIN. 00 SEC.

COMPANY: EXPLORATION PARTNERS, LLC

PO BOX 930  
BRIDGEPORT, WV 26330

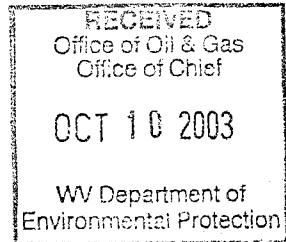
AGENT: LOUIS A. FERRARI  
INSPECTOR: TERRY URBAN

PERMIT ISSUED: 5/22/03  
WELL WORK COMMENCED: 9/21/03  
WELL WORK COMPLETED: 9/27/03  
VERBAL PLUGGING  
PERMISSION GRANTED ON:  
ROTARY X CABLE RIG  
TOTAL DEPTH (FEET) 4273'  
FRESH WATER DEPTHS (FT) 390

SALT WATER DEPTHS (FT) N/A

IS COAL BEING MINED IN AREA (Y/N)? N  
COAL DEPTHS (FT) 110,290,570,690,1670

CASING & TUBING SIZE	USED IN DRILLING	LEFT IN WELL	CEMENT FILL UP CU. FT.
13 3/8	'	'	
9 5/8	'	'	SKS
7	1404'	1404'	185 SKS
4 1/2	4240'	4240'	233 SKS



OPEN FLOW DATA

PRODUCING FORMATIONS BIG INJUN, POCONO 50', 30', GORDON. 5<sup>TH</sup> SAND, BALLTOWN, PAY ZONES DEPTH (FT) 2060-4170

GAS: INITIAL OPEN FLOW SHOW MCF/D OIL: INITIAL OPEN FLOW N/A BBL/  
FINAL OPEN FLOW 193 MCF/D FINAL OPEN FLOW N/A BBL/  
TIME OF OPEN FLOW BETWEEN INITIAL AND FINAL TESTS 24 HOUR(S)

STATIC ROCK PRESSURE 225 PSIG (SURFACE PRESSURE AFTER 24 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  
DATE: October 8, 2003

MAR 14 2003

NOV 14 2003

FORM IV-35  
(REVERSE)

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

- 424-424 I. 3369-4213, 20 HOLES, 625 GAL HCL, 200 SKS 20/40, 215 BBL GELLED H2O  
 412-412 II. 3060-3076, 16 HOLES, 500 GAL HCL, 150 SKS 20/40, 175 BBL GELLED H2O  
 412-419 III. 2905-2956, 22 HOLES, 500 GAL HCL, 125 ZKS 20/40, 180 BBL GELLED H2O  
 410-416 IV. 2565-2790, 20 HOLES, 625 GAL HCL, 100 SKS 20/40, 195 BBL GELLED H2O  
 371-372 V. 2165-2182, 16 HOLES, 500 GAL, HCL, 175 SKS 20/40, 195 BBL GELLED H2O  
 375-375 VI. 2076-2129, 24 HOLES, 500 GAL. HCL, 200 SKS 20/40, 200 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	10	
SAND & SHALE	10	110	
COAL	110	114	
SAND & SHALE	114	290	
COAL	290	295	
SAND & SHALE	295	570	390' H2O
COAL	570	573	
SAND & SHALE	573	690	
COAL	690	695	
SAND & SHALE	695	1070	
COAL	1070	1073	
SAND & SHALE	1073	2000	
BIG LIME	2000	2060	
BIG INJUN	2060	2150	
SHALE	2150	2170	
POCONO	2170	2190	
SHALE	2190	2620	
50'	2620	2760	
SHALE	2760	2780	
30'	2780	2800	
SHALE	2800	2910	
GORDON	2910	2970	
SHALE	2972	3090	
5 <sup>TH</sup> SAND	3090	3100	
SHALE	3100	3960	
BALL TOWN	3960	4170	
SHALE	4170		LTD