

WELL REFERENCES:

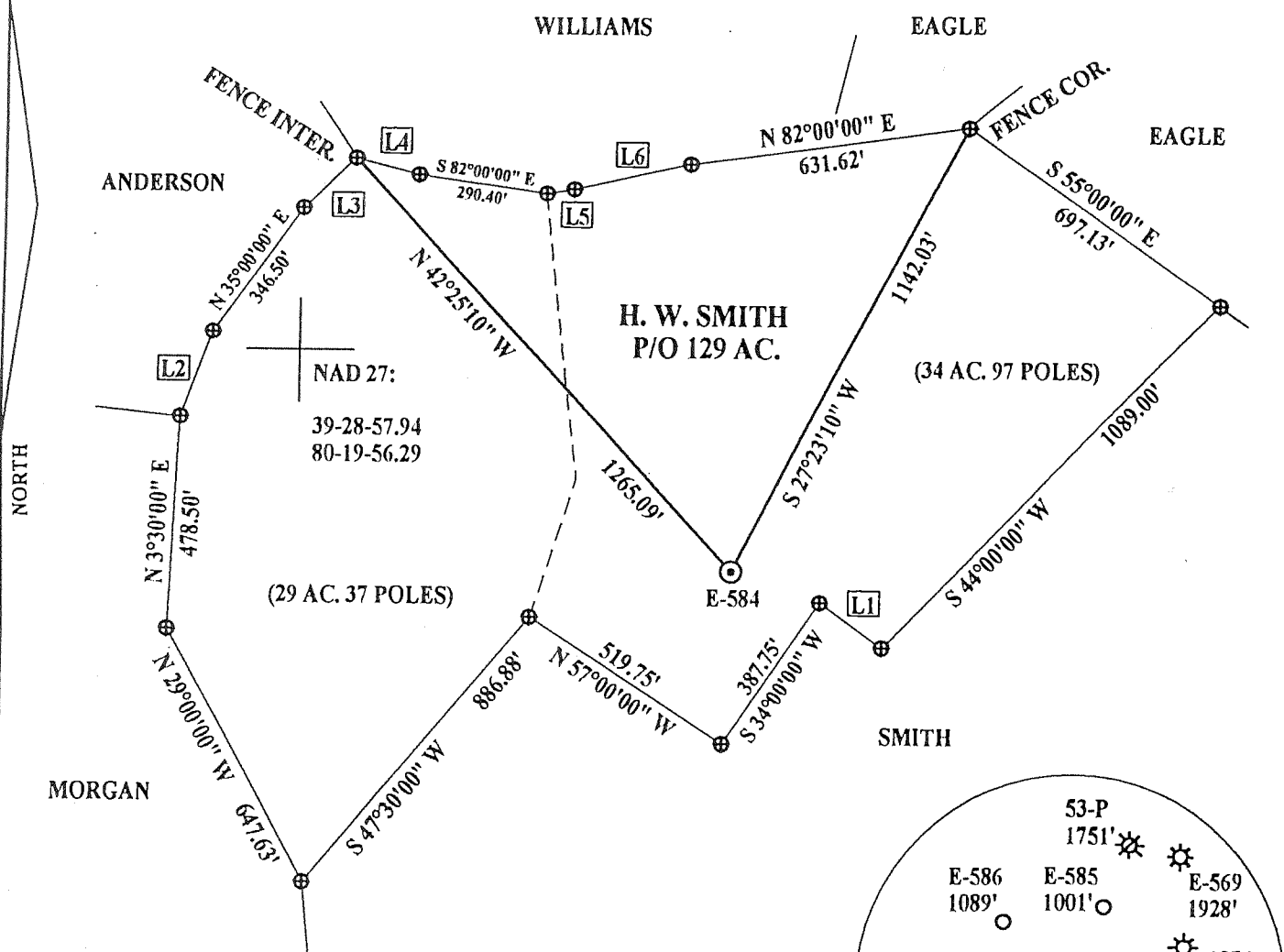
N07-00W, 145.00' TO 8" R. MAPLE
S31-00E, 122.00' TO FENCE COR. POST

LATITUDE 39-30-00

SCALED COOR.:

6,175' SOUTH
11,525' WEST

LONGITUDE 80-17-30

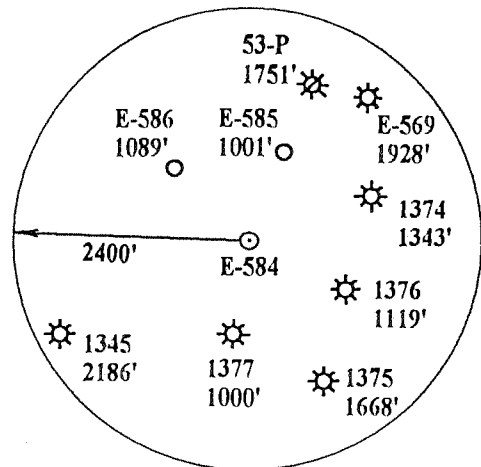


NAD 27:
39-28-57.94
80-19-56.29

Id	Bearing	Distance
L1	N 54°00'00" W	173.25'
L2	N 20°00'00" E	207.90'
L3	N 45°00'00" E	165.00'
L4	S 75°00'00" E	148.50'
L5	S 80°00'00" W	61.88'
L6	N 77°00'00" E	268.13'

NAD 27 WV NORTH SPC:

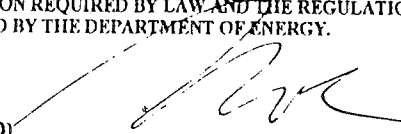
E-584 = 359,029.86'
1,765,080.38'

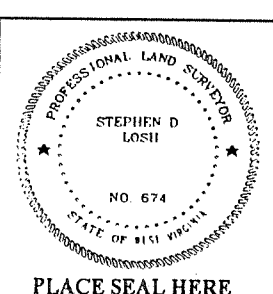


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NUMBER: _____
 DRAWING NUMBER: EXPBORDA5.PCS
 SCALE: 1" = 400'
 MINIMUM DEGREE OF ACCURACY: 1 IN 200
 PROVEN SOURCE OF ELEVATION: DGPS SURVEY 04/16/03
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



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

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

DATE: APRIL 18, 2003

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

OPERATORS WELL NO.: E-584
 API WELL NO. 47 - 049 - 01419
 STATE COUNTY PERMIT

LOCATION: ELEVATION 1262.28' WATERSHED LITTLE BINGAMON CREEK
 DISTRICT LINCOLN COUNTY MARION
 QUADRANGLE SHINNSTON LEASE NUMBER 4570

SURFACE OWNER HERBERT SMITH ACREAGE 64.34
 OIL & GAS ROYALTY OWNER HERBERT SMITH LEASE ACREAGE 129.00

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

COUNTY NAME PERMIT

MAR 1419

(Fairington 6A)

123

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

WELL OPERATOR'S REPORT OF WELL WORK

FARM NAME: BORDA #5 OPERATOR WELL NO: E-584

LOCATION: ELEVATION: 1262.28 QUADRANGLE: SHINNSTON

DISTRICT: LINCOLN COUNTY: MARION
LATITUDE: 6175 FEET SOUTH OF 39 DEG. 30 MIN. 00 SEC.
LONGITUDE: 11525 FEET WEST OF 80 DEG. 17 MIN. 30 SEC.

COMPANY: EXPLORATION PARTNERS, LLC

PO BOX 930
BRIDGEPORT, WV 26330

AGENT: LOUIS A. FERRARI
INSPECTOR: TERRY URBAN

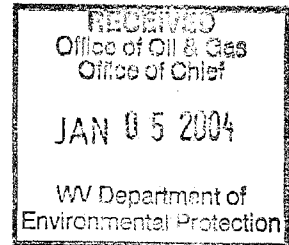
PERMIT ISSUED: 5/8/03
WELL WORK COMMENCED: 6/22/03
WELL WORK COMPLETED: 6/25/03

VERBAL PLUGGING
PERMISSION GRANTED ON:
ROTARY X CABLE RIG
TOTAL DEPTH (FEET) 4128'
FRESH WATER DEPTHS (FT) N/A

SALT WATER DEPTHS (FT) N/A

IS COAL BEING MINED IN AREA (Y/N)? N
COAL DEPTHS (FT) 440
555

CASING & TUBING SIZE	USED IN DRILLING	LEFT IN WELL	CEMENT FILL UP CU. FT.
13 3/8	'	'	
9 5/8	'	'	SKS
7	1232'	1232'	210 SKS
4 1/2	4085'	4085'	203 SKS



OPEN FLOW DATA
PRODUCING FORMATIONS BIG INJUN, POCONO 50', 30', GORDON 5TH SAND, BALLTOWN, PAY
ZONES DEPTH (FT) 1900--3830
GAS: INITIAL OPEN FLOW SHOW MCF/D OIL: INITIAL OPEN FLOW N/A BBL/
FINAL OPEN FLOW 203 MCF/D FINAL OPEN FLOW N/A BBL/
TIME OF OPEN FLOW BETWEEN INITIAL AND FINAL TESTS 24 HOUR(S)
STATIC ROCK PRESSURE 145 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: *L. Ferrari* LOUIS A. FERRARI
DATE: November 19, 2003

MAR 14 19

FEB 27 2004

E-584
47-49-1419

FORM IV-35
(REVERSE)

433-434
422-410
416-419
40-40
370-410
370-370
375-375

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

- I. 3828-4031, 15 HOLES, 500 GAL. HCL, 200 SKS 20/40, 200 BBL GELLED H2O
- II. 2932-2954, 13 HOLES, 500 GAL. HCL, 150 SKS 20/40, 190 BBL GELLED H2O
- III. 2668-2821, 15 HOLES, 500 GAL. HCL, 125 SKS 20/40, 185 BBL GELLED H2O
- IV. 2446-2628, 21 HOLES, 750 GAL. HCL, 100 SKS 20/40, 185 BBL GELLED H2O
- V. 2046-2057, 14 HOLES, 500 GAL. HCL, 100 SKS 20/40, 165 BBL GELLED H2O
- VI. 2012-2020, 15 HOLES, 500 GAL. HCL, 150 SKS 20/40, 165 BBL GELLED H2O
- VII. 1968-1985, 12 HOLES, 750 GAL HCL, 175 SKD 20/40, 180 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	15	
SAND & SHALE	15	440	
COAL	440	447	
SAND & SHALE	447	555	
COAL	555	563	
SAND & SHALE	563	780	
RED ROCK	780	800	
SAND & SHALE	800	1035	
RED ROCK	1035	1072	
SAND & SHALE	1072	1840	
BIG LIME	1840	1900	
BIG INJUN	1900	2000	
SHALE	2000	2020	
POCONO	2020	2050	
SHALE	2050	2465	
50'	2465	2600	
SHALE	2600	2650	
30'	2650	2670	
SHALE	2670	2750	
GORDON	2750	2810	
SHALE	2810	2930	
5 TH SAND	2930	2940	
SHALE	2940	3800	
BALL TOWN	3800	3830	
SHALE	3960	4128	LTD