

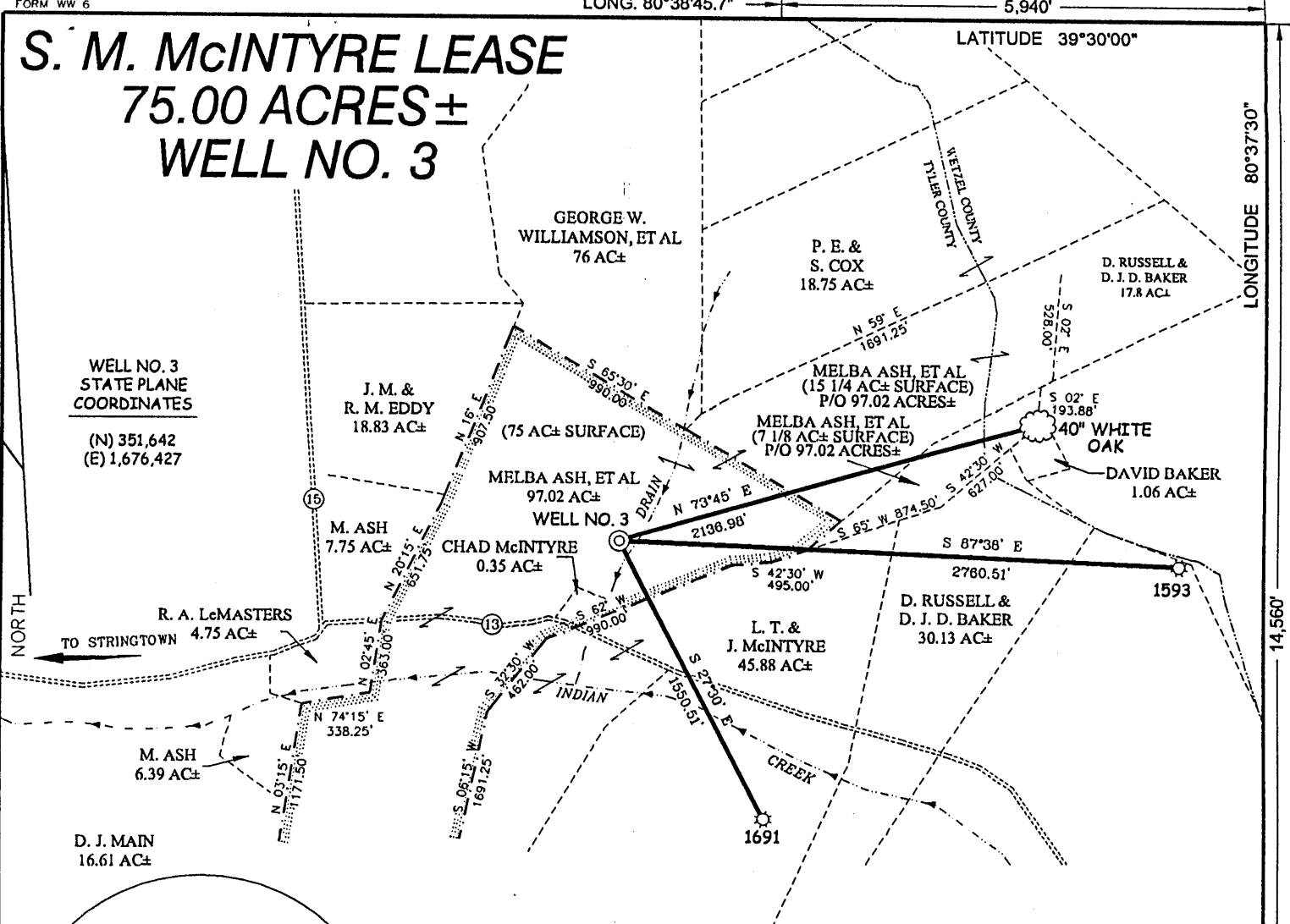
# S. M. McINTYRE LEASE

## 75.00 ACRES±

### WELL NO. 3

LATITUDE 39°30'00"

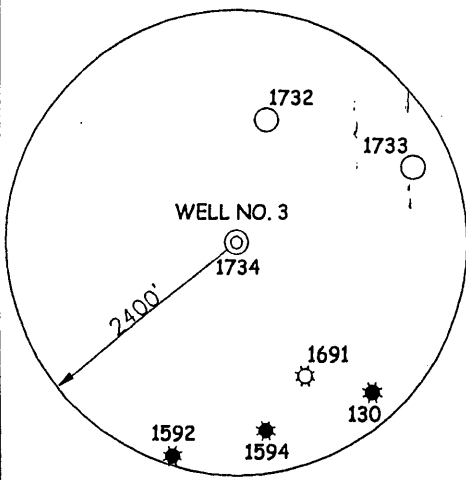
LONGITUDE 80°37'30"



WELL NO. 3  
STATE PLANE  
COORDINATES  
(N) 351,642  
(E) 1,676,427

NORTH

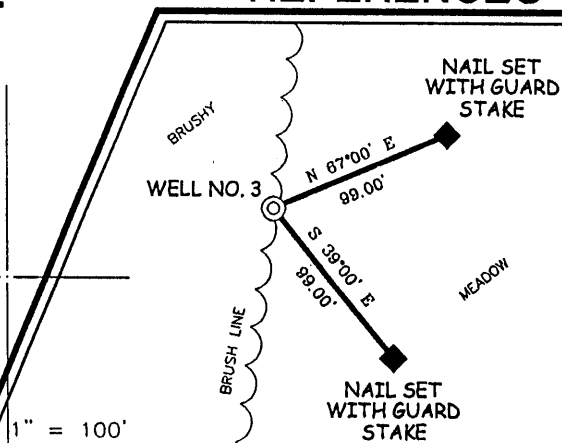
14,560'



#### NOTES ON SURVEY

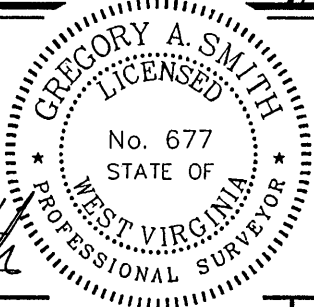
1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 7/18/02.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A DEED BOOK 197 AT PAGES 71 AND 72.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF TYLER COUNTY IN APRIL, 2004.
5. WELL LAT./LONG. ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).
6. THIS WELL SITE WAS PREVIOUSLY PERMITTED AS 47-095-01734. THE PLAT HAS BEEN UPDATED FOR WELL SPOTS, SURFACE OWNERSHIP, AND ROYALTY OWNER.

#### REFERENCES



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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE JULY 25, 20 02  
 DATE REVISED APRIL 13, 20 04  
 OPERATORS WELL NO. S. M. McINTYRE NO. 3  
 API WELL NO. 47-095-01734  
 STATE COUNTY PERMIT REV.

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 4781P3R2 (124-41 & 161-54)  
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 800'

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



WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 939' WATERSHED TRIBUTARY OF INDIAN CREEK  
 DISTRICT McELROY COUNTY TYLER QUADRANGLE                      CENTER POINT 7.5'  
 SURFACE OWNER MELBA ASH, etal ACREAGE 97.02±  
 ROYALTY OWNER S.M. McINTYRE HEIRS, et al LEASE ACREAGE 75.00±  
 PROPOSED WORK: LEASE NO.                       
 DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD  
 FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER   
 PHYSICAL CHANGE IN WELL (SPECIFY)                      TARGET FORMATION ALEXANDER  
 ESTIMATED DEPTH 5,600'

WELL OPERATOR COMMONWEALTH ENERGY, INC. DESIGNATED AGENT ENZO CARDELLI  
 ADDRESS P.O. BOX 432, MT. MORRIS, PA 15349 ADDRESS RT. 4 BOX 771, BUCKHANNON, WV 26201

COUNTY NAME TYLER  
PERMIT 1734

Apr 13

LONG. 80°38'45.7"

5,940'

LATITUDE 39°30'00"

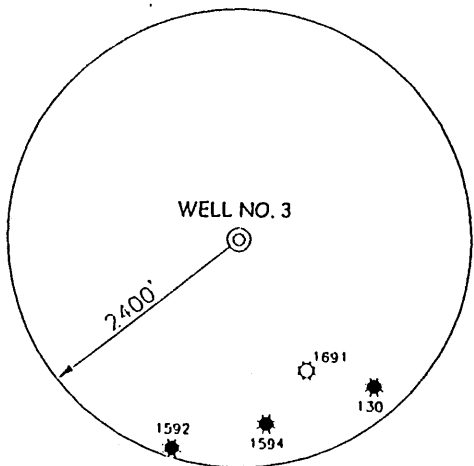
# S. M. McINTYRE LEASE

## 97.02 ACRES±

### WELL NO. 3

WELL NO. 3  
STATE PLANE  
COORDINATES  
(N) 351,642  
(E) 1,676,427

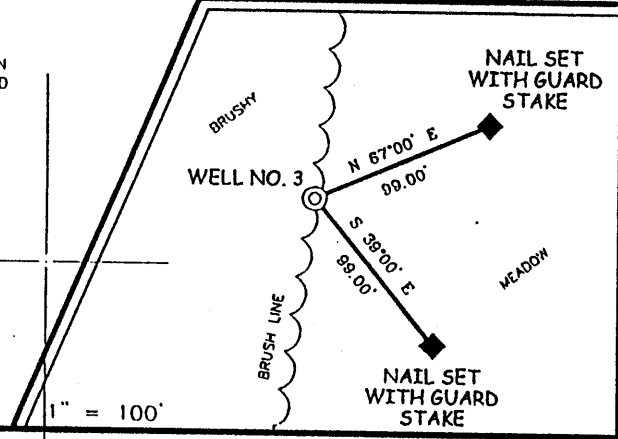
NORTH



#### NOTES ON SURVEY

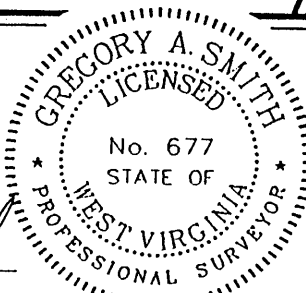
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P.S. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE JULY 25, 2002  
 OPERATORS WELL NO. S. M. McINTYRE NO. 3  
 API WELL NO. 47-095-01734  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 4781P3 (124-41)  
 PROVEN SOURCE OF ELEVATION BENCHMARK ELEVATION 900' SCALE 1" = 800'

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



WELL TYPE : OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION : ELEVATION 939' WATERSHED TRIBUTARY OF INDIAN CREEK  
 DISTRICT McELROY COUNTY TYLER QUADRANGLE CENTER POINT 7.5'

SURFACE OWNER COMMONWEALTH ENERGY, INC. ACREAGE 97.02  
 ROYALTY OWNER COMMONWEALTH ENERGY, INC. LEASE ACREAGE 97.02

PROPOSED WORK : LEASE NO. \_\_\_\_\_  
 DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION ALEXANDER  
 ESTIMATED DEPTH 5,600'

WELL OPERATOR COMMONWEALTH ENERGY, INC. DESIGNATED AGENT ENZO CARDELLI DEC 13 2002  
 ADDRESS P.O. BOX 432, MT. MORRIS, PA 15349 ADDRESS RT. 4 BOX 771, BUCKHANNON, WV 26201

LONGITUDE 80°37'30" 14,560' LAT. 39°27'35.3" COUNTY NAME TYLER PERMIT 1734

**RECEIVED**  
 WV Department of  
 Environmental Protection  
 Office of Oil & Gas  
 FEB 29 2008

DATE: 02/26/08  
 API #: 47-095-01734

Department of Environmental Protection  
 Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: S. McIntyre

Operator Well No.: #3

LOCATION: Elevation: 939'

Quadrangle: Centerpoint 7.5

District: McElroy County: Tyler  
 Latitude: 14,560 Feet South of 39 Deg. 27 Min. 35.3 Sec.  
 Longitude: 5,940 Feet West of 80 Deg. 38 Min. 45.7 Sec.

Company: Commonwealth Energy, Inc.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P. O. Box 432	11-3/4"	120'	120'	0
Mount Morris, PA 15349	8-5/8"	974	974	319 Cu.Ft.
Agent: Enzo Cardelli	7"	1970'	1970'	59 Cu.Ft.
Inspector: Mike Underwood	4-1/2"	2949	2949	189 Cu.Ft.
Date Permit Issued: 05-14-04				
Date Well Work Commenced: 11-26-05				
Date Well Work Completed: 09-27-06				
Verbal Plugging: N/A				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Depth (feet): 2993'				
Fresh Water Depth (ft.): 35'				
Salt Water Depth (ft.): 2131' S.H.H.				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 436'				

OPEN FLOW DATA

Producing formation: Gordon Pay zone depth (ft) 2816'  
 Gas: Initial open flow 100 MCF/d Oil: Initial open flow 0 Bbl/d  
 Final open flow 150 MCF/d Final open flow 2 Bbl/d  
 Time of open flow between initial and final tests 24 Hours  
 Static rock Pressure 500 psig (surface pressure) after 48 Hours

Second producing formation N/A Pay zone depth (ft) \_\_\_\_\_  
 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

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: Enzo Cardelli  
 By: Enzo Cardelli  
 Date: Feb. 26, 2008

MAR 11 2008

742 1734

DETAIL OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ECT:

STAGE	FORMATION	PERFS	SAND	N2
1	GORDON	2800'-2804' - 8 HOLES 2804' -2816' - 8 HOLES	39,000 lbs	691 scf

ISIP = 2655 lbs  
5 min = 2600 lbs

DRILLES LOG

Formation	Top	Bottom
Clay	0'	10'
Sd/Sh	10'	140'
Sd	140'	311'
RR	311	327
Sd/Sh	327'	436'
Coal	436'	450'
Sd/Sh	450'	687'
Lime	687'	702'
Sd/Sh	702'	918'
RR	918'	1114'
Sd/Sh	1114'	1851'
Sd	1851'	1874'
Sd/Sh	1874'	1901
Lime	1901'	1905'
Sh	1905'	1968'
BL	1968'	2060'
Sd	2060'	2204'
Sh	2204'	2775'
Sd	2275	2806'
Sd/Sh	2806'	2993'

ELECTRIC LOG TOPS

Formation	Depth top
Big Lime	1989'
Big Injun	2045'
Berea	2570'
Gordon	2717

1" strm salt water @ 2131'  
gas ck @ 2068' = no show  
gas ck @ 2255' = no show  
gas ck @ 2838' = 5/10 in 1/2" w/w

MAR 2 1 2008