

WELL NO. SMITH A-1

LINE	BEARING	DISTANCE
L1	S 07°30' W	171.37
L2	S 24°00' W	208.58
L3	S 00°30' E	192.93
L4	S 17°00' E	210.78
L5	S 02°30' E	252.25
L6	S 18°00' W	271.55
L7	S 53°30' E	315.15
L8	S 07°00' W	315.25
L9	S 07°00' W	362.34
L10	S 10°00' E	717.78
L11	S 31°00' E	217.78
L12	S 06°30' W	670.58
L13	N 01°11' W	172.28
L14	N 05°31' E	20.42
L15	N 13°04' W	229.02
L16	N 05°01' W	230.14
L17	N 21°45' W	215.82
L18	N 36°03' W	127.28
L19	N 32°21' W	309.54
L20	N 80°11' W	101.24
L21	N 80°23' W	85.48
L22	N 48°21' W	258.74
L23	N 53°28' W	124.74
L24	N 58°41' W	62.30
L25	N 65°01' W	102.25

SMITH LEASE 308 ACRES ±



NOTES ON SURVEY

1. TIES TO CORNERS ARE BASED ON STATE PLANE GRID NORTH W/ NORTH ZONE NAD '83.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 3-11-03.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A DEED DATED THE 3TH DAY OF JULY, 1956 AS RECORDED IN DEED BOOK 67 ON PAGE 464.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF TUCKER COUNTY IN JANUARY, 2003.
5. WELL LAT/LONG ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).
6. PLAT WAS UPDATED JUNE 20, 2003 TO SHOW THE PROPOSED LOCATION AND COORDINATES OF THE SMITH A-1 BOTTOM OF HOLE. INFORMATION PROVIDED BY MegaEnergy (N40W 1000').
7. PLAT UPDATED FEBRUARY 11, 2004 TO SHOW NEW BOTTOM HOLE COORDINATES. INFORMATION TO CALCULATE "AS DRILLED" BOTTOM HOLE COORDINATES WAS PROVIDED BY MegaEnergy AND CALCULATED RELATIVE TO THE PROPOSED TOP HOLE COORDINATES SHOWN HEREON.
8. PLAT UPDATED MAY 4, 2005 TO SHOW API NO. AND ESTIMATED DEPTH FOR FRACTURE AT VERTICAL AND HORIZONTAL DEPTHS.

THERE APPEARS TO BE NO KNOWN PERMITTED WELLS WITHIN 3000' OF SMITH A-1.

SMITH A-1
API NO. 47-093-0095

Received
JUN 16 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

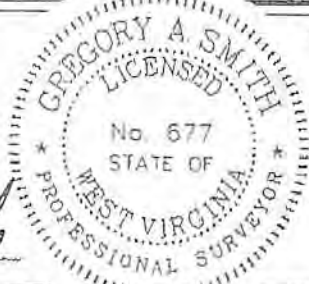
REFERENCES



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 MARCH 21, 20 03
UPDATED 06/20/03, 02/11/04, AND 05/04/05

OPERATORS WELL NO. SMITH A-1
API WELL NO. 47-093-00095
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 5109P1R3 (144-9 & 14)
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION = 2507' SCALE 1" = 1000'

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 2404' WATERSHED LYNN RUN OF HORSESHOE RUN
DISTRICT SAINT GEORGE COUNTY TUCKER QUADRANGLE LEAD MINE 7.5'

SURFACE OWNER LESLIE N. AND GLORIA J. SMITH ACREAGE 308±
ROYALTY OWNER FRED SMITH LEASE ACREAGE 308± OF 640± UNIT

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 ORISKANY-TUSCARORA
ESTIMATED DEPTH VERT. - 7,550' & HOR. - 7,750'

WELL OPERATOR MegaEnergy OPERATING, INC. DESIGNATED AGENT PAUL SMITH
ADDRESS 8501 E. DRY CREEK PLACE ENGLEWOOD, CO 80112 ADDRESS P.O. BOX 884 BRIDGEPORT, WV 26330

08/08/2014

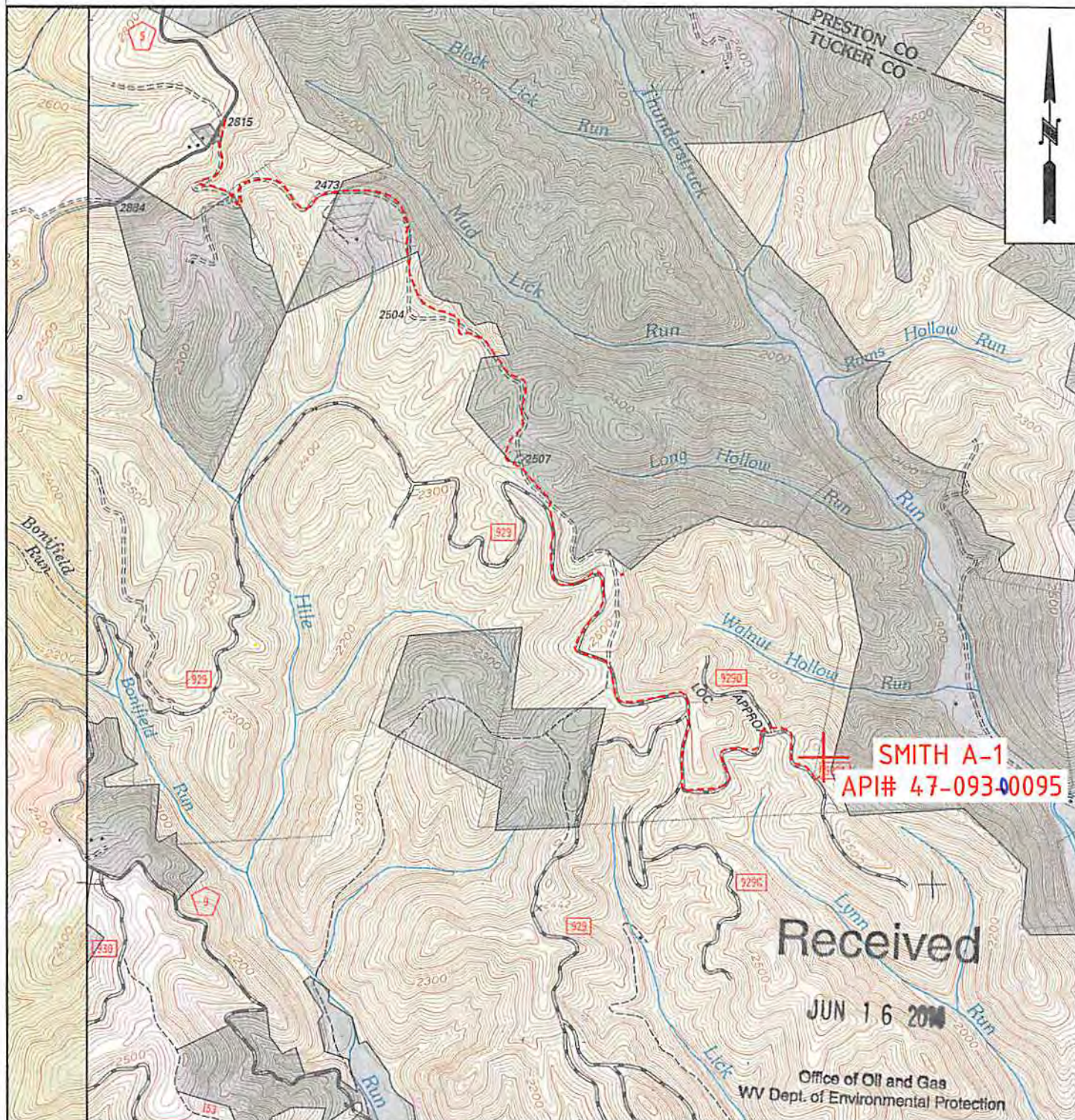
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WW-9

SMITH A-1

API# 47-093-0095

SUPPLEMENT PG 1



	OPERATOR	TOPO SECTION	LEASE NAME
	GASTAR EXPLORATION INC. 229 W Main Street, Suite 301 Clarksburg, WV 26301	LEAD MINE 7.5'	SMITH
		SCALE:	DATE:
		1"=2000'	DATE: 05/05/14

W0120323