



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

PERMIT MODIFICATION APPROVAL

October 02, 2014

TRIAD HUNTER, LLC
777 POST OAK BOULEVARD, SUITE 910
HOUSTON, TX 77056

Re: Permit Modification Approval for API Number 9502151 , Well #: 1401

Top hole moved

Oil and Gas Operator:

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

Please call James Martin at 304-926-0499, extension 1654 if you have any questions.

Sincerely,

Gene Smith
Assistant Chief of Permitting
Office of Oil and Gas



TRIAD HUNTER, LLC.

September 12, 2014

Ms. Laura K. Cooper
West Virginia Department of Environmental Protection Office of Oil and Gas
Environmental Resource Analyst
601 57th St. SE
Charleston, WV 25304

Re: Modification for Wells-Meckley API# 095-02151, 095-02152, 095-02153, 095-02154, 095-02155
Well # 1401, 1402, 1403, 1404, 1405 respectively

Dear Ms. Cooper:

Please find the enclosed modification request for the wells referenced above. We would like to move the top holes approximately 40'. The bottom hole and the pad will not move. These wells are situated on the Wells property, in Lincoln District, Tyler County, West Virginia.

If you have any other questions or comments, please contact me at (740) 760-0558 or (304) 993-5510, thank you.

Sincerely,

Will Harless

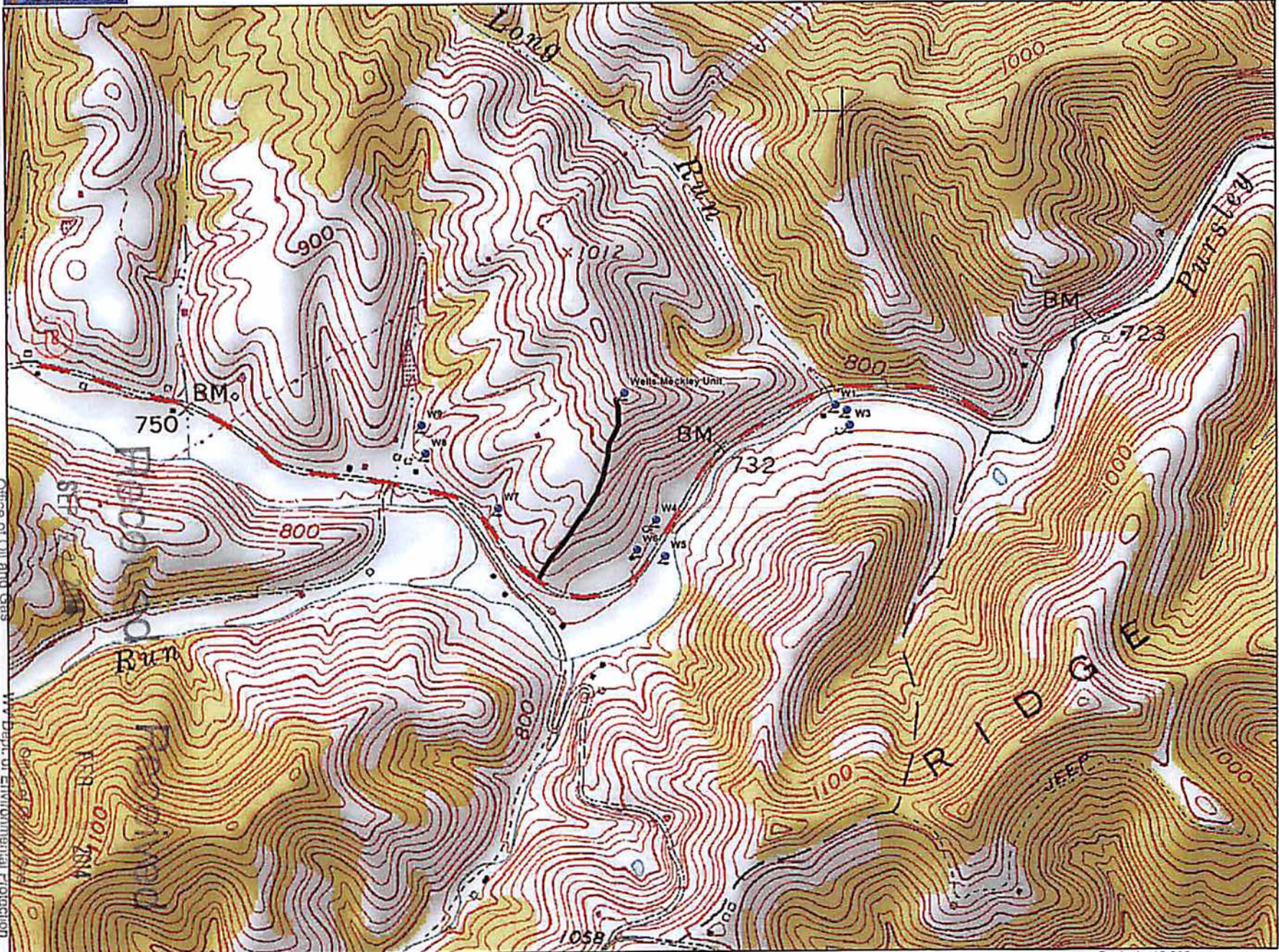
Will Harless
Permitting/Site Project Engineer

Enclosure(s)

Received

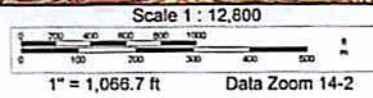
SEP 22 2014

Office of Oil and Gas
WV Dept. of Environmental Protection



WV Dept. of Environmental Protection
 Office of Oil and Gas
 WV Dept. of Environmental Protection

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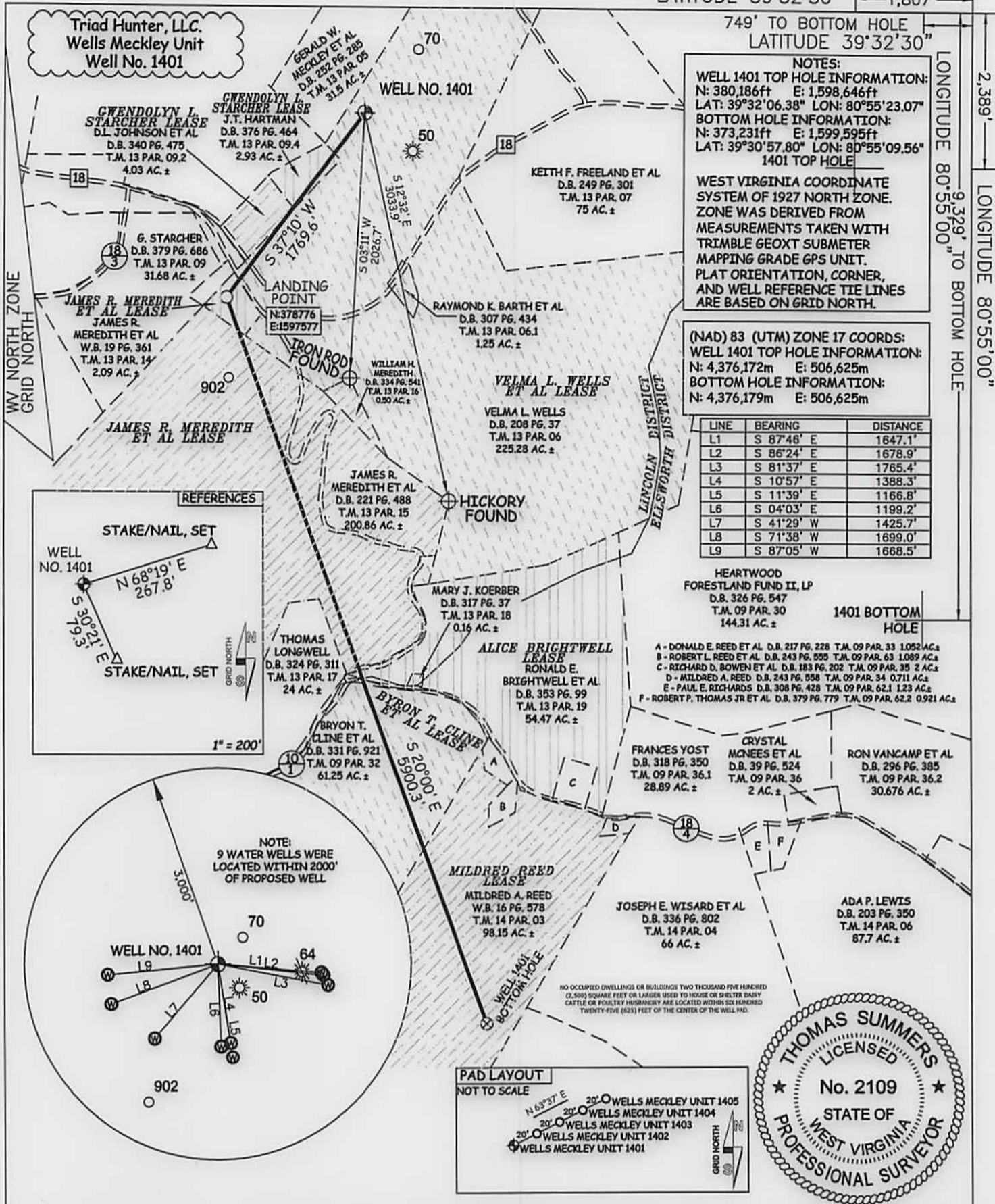
4709502151

MOD

LATITUDE 39°32'30" — 1,807'

749' TO BOTTOM HOLE
LATITUDE 39°32'30"

LONGITUDE 80°55'00"
9,329' TO BOTTOM HOLE
LONGITUDE 80°55'00"



NOTES:
WELL 1401 TOP HOLE INFORMATION:
 N: 380,186ft E: 1,598,646ft
 LAT: 39°32'06.38" LON: 80°55'23.07"
BOTTOM HOLE INFORMATION:
 N: 373,231ft E: 1,599,595ft
 LAT: 39°30'57.80" LON: 80°55'09.56"
 1401 TOP HOLE

WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE.
 ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 1401 TOP HOLE INFORMATION:
 N: 4,376,172m E: 506,625m
BOTTOM HOLE INFORMATION:
 N: 4,376,179m E: 506,625m

LINE	BEARING	DISTANCE
L1	S 87°46' E	1647.1'
L2	S 86°24' E	1678.9'
L3	S 81°37' E	1765.4'
L4	S 10°57' E	1388.3'
L5	S 11°39' E	1166.8'
L6	S 04°03' E	1199.2'
L7	S 41°29' W	1425.7'
L8	S 71°38' W	1699.0'
L9	S 87°05' W	1668.5'

HEARTWOOD FORESTLAND FUND II, LP
 D.B. 326 PG. 547
 T.M. 09 PAR. 30
 144.31 AC. ±

1401 BOTTOM HOLE

- A - DONALD E. REED ET AL. D.B. 217 PG. 228 T.M. 09 PAR. 33 1.052 AC. ±
- B - ROBERT L. REED ET AL. D.B. 243 PG. 555 T.M. 09 PAR. 63 1.089 AC. ±
- C - RICHARD D. BOWEN ET AL. D.B. 183 PG. 202 T.M. 09 PAR. 35 2 AC. ±
- D - MILDRED A. REED D.B. 243 PG. 558 T.M. 09 PAR. 34 0.711 AC. ±
- E - PAUL E. RICHARDS D.B. 308 PG. 428 T.M. 09 PAR. 62.1 1.23 AC. ±
- F - ROBERT P. THOMAS JR ET AL. D.B. 379 PG. 779 T.M. 09 PAR. 62.2 0.921 AC. ±

FRANCES YOST
 D.B. 318 PG. 350
 T.M. 09 PAR. 36.1
 28.89 AC. ±

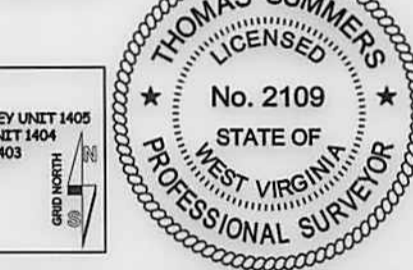
CRYSTAL MCNEES ET AL
 D.B. 39 PG. 524
 T.M. 09 PAR. 36
 2 AC. ±

RON VANCAMP ET AL
 D.B. 296 PG. 385
 T.M. 09 PAR. 36.2
 30.676 AC. ±

JOSEPH E. WISARD ET AL
 D.B. 336 PG. 802
 T.M. 14 PAR. 04
 66 AC. ±

ADA P. LEWIS
 D.B. 296 PG. 350
 T.M. 14 PAR. 06
 87.7 AC. ±

NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR HOLSTEIN FISHING ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.



Triad Hunter, LLC.
Wells Meckley Unit
Well No. 1401

GERALD W. MECKLEY ET AL
 D.B. 252 PG. 285
 T.M. 13 PAR. 05
 31.5 AC. ±

GWENDOLYN L. STARCHER LEASE
 J.T. HARTMAN
 D.B. 376 PG. 464
 T.M. 13 PAR. 09.4
 2.93 AC. ±

WELL NO. 1401

6. STARCHER
 D.B. 379 PG. 686
 T.M. 13 PAR. 09
 31.68 AC. ±

JAMES R. MEREDITH ET AL LEASE
 JAMES R. MEREDITH ET AL
 W.B. 19 PG. 361
 T.M. 13 PAR. 14
 2.09 AC. ±

JAMES R. MEREDITH ET AL LEASE

LANDING POINT
 N: 378776
 E: 1597577

IRON ROD FOUND

WILLIAM H. MEREDITH
 D.B. 334 PG. 541
 T.M. 13 PAR. 16
 0.50 AC. ±

RAYMOND K. BARTH ET AL
 D.B. 307 PG. 434
 T.M. 13 PAR. 06.1
 1.25 AC. ±

VELMA L. WELLS ET AL LEASE
 VELMA L. WELLS
 D.B. 208 PG. 37
 T.M. 13 PAR. 06
 225.28 AC. ±

JAMES R. MEREDITH ET AL
 D.B. 221 PG. 488
 T.M. 13 PAR. 15
 200.86 AC. ±

HICKORY FOUND

MARY J. KOERBER
 D.B. 317 PG. 37
 T.M. 13 PAR. 18
 0.16 AC. ±

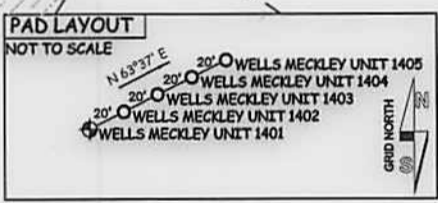
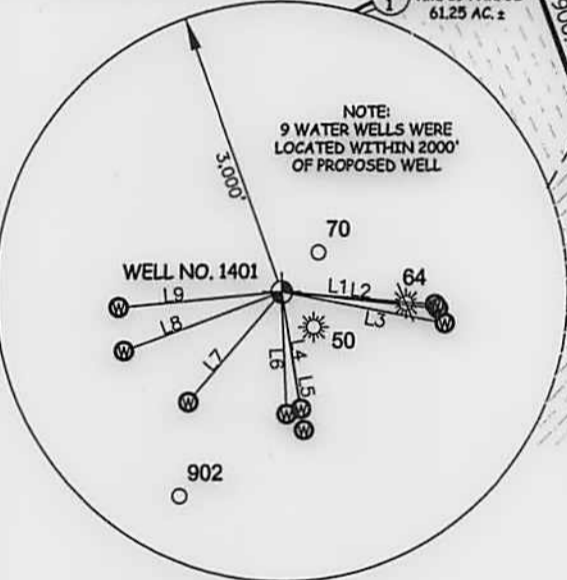
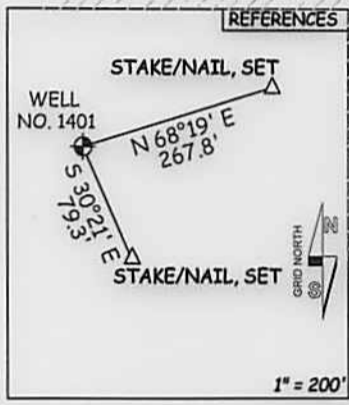
ALICE BRIGHTWELL LEASE
 RONALD E. BRIGHTWELL ET AL
 D.B. 353 PG. 99
 T.M. 13 PAR. 19
 54.47 AC. ±

THOMAS LONGWELL
 D.B. 324 PG. 311
 T.M. 13 PAR. 17
 24 AC. ±

BYRON T. CLINE ET AL LEASE
 BYRON T. CLINE ET AL
 D.B. 331 PG. 921
 T.M. 09 PAR. 32
 61.25 AC. ±

MILDRED REED LEASE
 MILDRED A. REED
 W.B. 16 PG. 578
 T.M. 14 PAR. 03
 98.15 AC. ±

WELL 1401 BOTTOM HOLE



JOB # 12-104WT	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 RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.	LEGEND - - - Surface Owner Boundary Lines +/- - - - Interior Surface Tracts +/- X Existing Fence ⊕ Found monument, as noted
DRAWING # MECKLEY1401R2	STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS	THOMAS SUMMERS P.S. 2109
SCALE 1" = 1000'		DATE 09/17/14
MINIMUM DEGREE OF ACCURACY SUBMETER	WILLOW LAND SURVEYING PLLC 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415	OPERATOR'S WELL # WELLS MECKLEY UNIT #1401
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS		API WELL # 47 - 095
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS	STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS	STATE COUNTY PERMIT
WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X		10/10/2014
LOCATION: ELEVATION 958' WATERSHED PURSLEY CREEK	QUADRANGLE PADEN CITY 7.5' DISTRICT LINCOLN COUNTY T10P10/2014	COUNTY NAME
SURFACE OWNER VELMA L. WELLS	ACREAGE 225.28 ACRES +/-	PERMIT
OIL & GAS ROYALTY OWNER VELMA L. WELLS ET AL; GWENDOLYN L. STARCHER; GWENDOLYN L. STARCHER; JAMES R. MEREDITH ET AL; JAMES R. MEREDITH ET AL; ALICE BRIGHTWELL; BYRON T. CLINE ET AL; MILDRED REED	LEASE ACREAGE 225.28 ACRES ±; 2.93 ACRES ±; 4.03 ACRES ±; 2.09 ACRES ±; 200.86 ACRES ±; 54.47 ACRES ±; 61.25 ACRES ±; 98.15 ACRES ±	
PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY)	PLUG & ABANDON CLEAN OUT & REPLUG	
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,225' TVD 12,831' MD		
WELL OPERATOR TRIAD HUNTER, LLC. ADDRESS 777 POST OAK BLVD., SUITE 910 HOUSTON, TX 77056	DESIGNATED AGENT KIMBERLY ARNOLD ADDRESS P.O. BOX 154 WAVERLY, WV 26184	