

ATTACHMENT C

Oil and Gas Well Summary API Well No. 34079202610000

WELL SUMMARY

ODNR DIVISION OF OIL & GAS RESOURCES MANAGEMENT

API Well Number	34079202610000				Permit Issued	7/24/2012									
Well Name	RAPIER		Acres	20	Well No.	D1-16-3541		Date Commenced	4/24/2008						
Owner	SHERMAN STEVEN P & MICHELL D				Well No.			Date Completed	4/29/2008						
Logging Co.	Allegheny Nuclear Services		Core No.			Sample No.									
County	JACKSON	Township	BLOOMFIELD		Quadrangle	OAK HILL			Zone	S					
Section	16	Lot	Tract		Twp. Qtr.	Surface X	1996560	Y	364145	Bottom X	1994395	Y	366310	NAD27	
						Surface Lon	-82.512104	Lat	38.999824	Bottom Lon	-82.519723	Lat	39.005767	NAD27	
Measured	1245'NL & 735'WL OF SW QTR., SEC. 16				Surface X	1965094	Y	364180	Bottom X	1962929	Y	366345	NAD83	SPS	
	Target: 750'SL & 1570'EL OF NE QTR., SEC. 17				Prop TD	4701		Class			Tool	SERV			
GL	900	DF	KB	909	LTD	4701	DTD	4701	PB Depth			Date PB			
TD Form.	OHIO SHALE				Prod. Form.	OHIO SHALE			Status	Domestic Well					
IP Natural		IP AT	1590 MCF		Initial Rock Pressure				Date Abandoned						
Perforations															
Stimulations	SI: 4600-0, Fmtn Cd: 341010, Stim In: CS, Type: N2, Vol: 1002 Mscf, MTP: 4759, MISIP: 3278, 5SIP: 1317, Cmmnt: SI: 4278-0, Fmtn Cd: 341010, Stim In: CS, Type: N2, Vol: 1005 Mscf, MTP: 4098, MISIP: 2770, 5SIP: 1200, Cmmnt: SI: 3793-0, Fmtn Cd: 341010, Stim In: CS, Type: N2, Vol: 1004 Mscf, MTP: 3767, MISIP: 1876, 5SIP: 1130, Cmmnt: SI: 3345-0, Fmtn Cd: 341010, Stim In: CS, Type: N2, Vol: 1002 Mscf, MTP: 3746, MISIP: 1581, 5SIP: 1175, Cmmnt: SI: 2897-0, Fmtn Cd: 341010, Stim In: CS, Type: N2, Vol: 1001 Mscf, MTP: 3501, MISIP: 1410, 5SIP: 1125, Cmmnt: SI: 2452-0, Fmtn Cd: 341010, Type: N2, Vol: 1001 Mscf, MTP: 3158, MISIP: 1274, 5SIP: 1049, Cmmnt: SI: 1994-0, Fmtn Cd: 341010, Type: N2, Vol: 1000 Mscf, MTP: 2742, MISIP: 1140, 5SIP: 1066, Cmmnt:														
Casing Record	CND* 9.62 0-120-0, Comment: SRF* 7 0-1220-0, Comment: , Sks: 115 PROD 4.5 0-4634-0, Comment:														
Log Types	Gamma Ray-Neutron,Density, Photoelectric, Photo density, Lithology, LithoDens														

Formations

Formation	Top	Bottom	Source	Prod.	Non-Standard	Remarks
BEREA SANDSTONE	1185	1210	Log	No		
OHIO SHALE	1210		Log	Yes		

Annual Production

Year	Quarter	Source	Oil (Barrels)	Gas (MCF)	Water (Barrels)	Remarks
2008	N\A	RBDMS	0	0	0	
2010	N\A	RBDMS	0	0	0	
2011	N\A	RBDMS	0	0	0	
2012	N\A	RBDMS	0	0	0	
2012	N\A	RBDMS	0	0	0	
2013	N\A	RBDMS	0	0	0	

STATE OF OHIO
DEPARTMENT OF NATURAL
RESOURCES

DIVISION OF MINERAL
RESOURCES MANAGEMENT
WELL PERMIT

API WELL NUMBER

34-079-2-0261-00-00

FORM 51 REVISED 3/01

OWNER NAME, ADDRESS

UNBRIDLED ENERGY OHIO LLC (Owner # 8334)
2100 GEORGETOWNE DR SUITE 301
SEWICKLEY PA 15143

DATE ISSUED

2/26/2008

PERMIT EXPIRES

2/25/2009

TELEPHONE NUMBER

(724) 934-2340

IS HEREBY GRANTED PERMISSION TO: Drill New Well, horizontally
IF UNPRODUCTIVE

AND ABANDON NEW WELL

PURPOSE OF WELL: Oil & Gas

SUBSTANCE TO BE STORED OR COMPLETION DATE IF PERMIT TO PLUG

Cmplt'd Dt

DESIGNATION AND LOCATION:

LEASE NAME RAPIER
WELL NUMBER D1-16
COUNTY JACKSON
CIVIL TOWNSHIP BLOOMFIELD
TRACT OR ALLOTMENT
FOOTAGE LOCATION 1245'NL & 735'WL OF SW QTR., SEC 16

SECTION 16
LOT
FRACTION
QUARTER TOWNSHIP

X: 1996560
Y: 364145

TYPE OF TOOLS: Air Rotary/Fluid Rotary

PROPOSED TOTAL DEPTH 1950 FEET
GROUND LEVEL ELEVATION 900 FEET

GEOLOGICAL FORMATION(S):

OHIC SHALE

SPECIAL PERMIT CONDITIONS: Permit is subject to the attached terms and/or conditions
Horizontal Drilling Well Permit Conditions

CONDITIONALLY APPROVED CASING PROGRAM (SUBJECT TO APPROVAL OF THE OIL AND GAS WELL INSPECTOR):

CONDUCTOR MINIMUM OF 60' (IF AIR)
8 5/8 OR 7 " APPROX 1225 ' WITH CEMENT CIRCULATED TO SURFACE
4-1/2" PRODUCTION CASING TO T.D. CEMENTED IF PRODUCTIVE

This permit is NOT TRANSFERABLE and expires 365 days after issuance, unless drilling has commenced prior thereto and easily accessible place at the well site before permitted activity commences and remain until the well is completed. Ample notification to inspector is necessary. All mudding, cementing, placing and removing casing, and plugging operations must be done under the supervision of

OIL AND GAS WELL INSPECTOR:

SCOTT JON
34 PORTSMOUTH STREET,
JACKSON, OH 45650
Inspector's # (740) 624-4963
District # (740) 286-6411

GREG MILLS - Supervisor
(740) 286-6411

FIRE AND EMERGENCY NUMBERS

FIRE: () - 911

MEDICAL SERVICE () - 911

TARGET INFORMATION:
1035'SL & 760'WLOF NE QTR., SEC. 17
X=1, 994,085 Y=366,620 ELEV=790'

DEPUTY MINE INSPECTOR: MUST BE NOTIFIED IF WELL IN A COAL-BEARING TOWNSHIP IS TO BE PLUGGED AND ABANDONED

John Husted

CHIEF, DIVISION OF MINERAL RESOURCES
MANAGEMENT

The Ohio Department of Natural Resources
The Division of Mineral Resources Management
2045 Morse Road, Building H-3
Columbus, Ohio 43229-6693

HORIZONTAL DRILLING PERMIT CONDITIONS

Within thirty (30) days of completion of drilling operations, the following items **must** be submitted to the Division of Mineral Resources Management:

- A copy of the bore hole deviation survey
- A revised surveyor's plat showing:
 1. Surface Location
 2. Actual entry into the producing formation
 3. Actual ending point of the bore hole in the producing formation
 4. X, Y coordinates of the above three points

Please also include a fifty-dollar (\$ 50.00) fee for the revised surveyor's plat.

AUTHORIZATION FOR EXPEDITING AN APPLICATION

NAME OF OWNER: Unbridled Energy Ohio LLC

DATE: 2/21/08 **TELEPHONE:** (724) 934-2340

COUNTY: Jackson **TOWNSHIP:** Bloomfield

SEC/LOT NUMBER: 16 **WELL NUMBER:** D1-16

LEASE NAME: Rapier **PERMIT NO.** _____

CALLED REGIONAL OFFICE: _____

CALLED COUNTY ENGINEER: _____

COMMENTS: _____

PROPOSED DATE: 2/25 or 2/26 **FAX NO.** (724) 934-2355

REGIONAL SUPERVISOR: _____
(NAME)

WAS NOTIFIED BY: _____
(NAME)

AT: _____ **ON** _____
(TIME) (DATE)

DAILY ROUTE SLIP *Bloom die re*

APPLICATION NO. aPATT014125 TYPE: Drill New Well, horizontal

CONAME UNBRIDLED ENERGY OHIO L API

WELL NAME /NO. RAPIER D1-16

COUNTY 79 JACKSON INITIALS DATE

DATE APPLICATION REC'D *pn* 2/21/2008

PERMIT FEE AND CHECK NO. \$250.00 1042

RUSH AMOUNT RUSH CHECK NO. \$500.00 1042

APPLICATION ENTERED *pn* 2/21/08

APPLICATIONS AND PLATS SENT FOR MINE APPROVAL _____

COAL APPROVAL RECEIVED _____

OIL/GAS AFFIDAVIT REC'D *pn* 2/21/08

URBANIZED AREA NOTIFICATION SENT _____

URBANIZED AREA NOTIFICATION SENT TO INSPECTOR/REC'D BACK _____

SAMPLES: YES ___/SPECIAL AREAS _____

GEOLOGIST APPROVAL *KB* 2/26/08

DATA ENTRY /ISSUED _____

PERMIT: TAKEN _____ MAILED *Rm* 2/26/08

FAX TO: _____

FINAL MAP CHECK *KB* 2/29/08

COMMENTS: Send Horizontal Drilling Conditions

Proof Sheet

APPL NUMBER	laPATT014125
OWNER NUMBER	8334
OWNER NAME	UNBRIDLED ENERGY OHIO LLC
EXISTING WELL	0
API PERMIT NO	
APPL TYPE	HX
TYPE OF WELL	OG
VARIANCE REQUEST	
WELL NAME	RAPIER
WELL NUMBER	D1-16
PREV/PROPOSED TD	1950
DRILL UNIT ACRES	54.7
TYPE OF TOOL	RTAF
WELL CLASS	ESPV
FIRE PHONE	() - 911
MEDICAL PHONE	() - 911
COUNTY CODE	79
COUNTY NAME	JACKSON
COAL (Y=-1/N=0)	-1
CIVIL TOWNSHIP	BLOOMFIELD
SURF QUAD	OAK HILL
SURF ORIG X	1,996,560
SURF ORIG Y	364,145
GROUND ELEVATION	900
SURF SEC	16
SURF LOT	
SURF QTR TWP	
SURF ALLOT	
SURF TRACT	
SURF FRACTION	

URBANIZED AREA ?

NAME

DISPOSAL PLAN 1 ND

DISPOSAL PLAN 2

DISPOSAL PLAN 3

DISPOSAL PLAN 4

DISPOSAL PLAN 5

PROPOSED FORMATIONS

OHIO SHALE

TARG CIVIL TWP	Bloomfield 280
TARG QUAD	B3A5 Wellston
TARG ORIG X	1,994,085
TARG ORIG Y	366,620
TARG ELEV	770 0
TARG SECTION	17 16
TARG LOT	
TARG QTR TWP	
TARG ALLOT	
TARG TRACT	
TARG FRACTION	

Proof Sheet

TARGET INFORMATION
X 1994085
Y 306620
EL 790

SURFACE FOOTAGE

1245' NL + 735' WL OF
SW QTR, SEC 16

TARGET FOOTAGE

1035' SL + 760' WL OF
NE QTR, SEC 17

CASING PROGRAM

04		
09	8 5/8" OR 7"	1225'
21		

SPECIAL CONDITIONS/COMMENTS

- PER
HD

COMPLETION DT	<input type="text"/>
MINES APPROVAL	<input type="text"/>
AFFIDAVIT APPROV	2/26/08
FINAL ENTRY DATE	<input type="text"/>

APPLICATION FOR A PERMIT
OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINERAL RESOURCES MANAGEMENT
2045 Morse Road, Building H-3
COLUMBUS, OH O 43229-6605

(614) 265-6633 http://www.dnr.state.oh.us/mineral/index.html

1042
750⁰⁰
PAH 14125

INSTRUCTIONS ON REVERSE SIDE

FORM 1: Rev. 9/2004/mpm

1. I, We (applicant) **Unbridled Energy Ohio, LLC** 2. Owner # **8334**
(address) **2100 Georgetowne Drive Suite 301, Sewickley, PA 15143** Phone # **(724) 934-2340**
Hereby apply this date **2/21/2008** for a permit to:

Reissue (check appropriate blank) Revised Location and Reissue Convert
 Drill New Well Plug Back Deepen
 Drill Directionally Plug and Abandon Reopen
 Drill Horizontally Orphan Well Program

3. TYPE OF WELL: Oil Gas Annular Disposal Saltwater Injection
 Stratigraphic Test Storage of: _____
 Other (explain): _____
 Solution Mining* Enhanced Recovery* * check appropriate box below
 Input/Injection Water Supply Production/Extraction Observation

4. MAIL PERMIT TO: **Please also fax permit to: Joe Frantz 724-934-2355**
Unbridled Energy Ohio, LLC
2100 Georgetowne Drive Suite 301
Sewickley, PA 15143

20. Type of tools
 Cable Air Rotary
 Cable/Air Rotary Air/Fluid Rotary
 Cable/Fluid Rotary Fluid Rotary
 Cable/Air Rotary/Fluid Rotary

5. COUNTY: **JACKSON**

6. CIVIL TOWNSHIP: **BLOOMFIELD**

7. SECTION: **16** 8. LOT: _____

9. FRACTION: _____ 10. QTR: _____

11. TRACT/ALLOT: _____

12. WELL # **D1-16**

13. LEASE NAME **RAPIER**

14. PROPOSED TOTAL DEPTH: **1960**

15. PROPOSED GEOLOGICAL FORMATION: **OHIO SHALE**

16. DRILLING UNIT IN ACRES (must be same as acres indicated on plat): **54.70**

21. PROPOSED CASING PROGRAM:
8 5/8" OR 7" SET TO 1225.
4 1/2" TO T.D. IF PRODUCTIVE.

22. FIRE AND MEDICAL DEPARTMENT TELEPHONE NUMBERS (closest to well site):
FIRE: **911**
MEDICAL: **911**

23. MEANS OF INGRESS AND EGRESS:
Twp_Rd **152 - Luther Jones Rd.**
County_Rd _____
Municipal_Rd: _____
State_Hwy: _____

24. IS THE WELL LOCATION OR PRODUCTION FACILITIES WITHIN AN URBANIZED AREA AS DEFINED BY 1509.03?
 YES NO

25. WILL THE PROPOSED LOCATION OF THIS WELL REQUIRE THE NOTICE SPECIFIED UNDER 1509.06 (I)?
 YES NO

17. IF PERMITTED PREVIOUSLY:
API #: _____
OWNER: _____
WELL # _____
LEASE NAME _____
TOTAL DEPTH _____
GEOLOGICAL FORMATION: _____

18. IF SURFACE RIGHTS ARE OWNED BY THE OHIO DEPARTMENT OF NATURAL RESOURCES
Division Name: _____
Division Phone: _____

19. LANDOWNER ROYALTY INTEREST:
Is There An Attached List? YES NO

NAME: **Rapier, Daniel R. & Naomi L.**
ADDRESS: **4845 Augsturger Rd., Hamilton, OH 45011**

RECEIVED
Feb 21 2008
DIVISION OF MINERAL RESOURCES MANAGEMENT

I, the undersigned, being first duly sworn, depose and state under penalties of law, that I am authorized to make this application, that this application was prepared by me or under my supervision and direction, and that the facts stated herein are true, correct and complete, to the best of my knowledge.

I, the undersigned, further depose and state that I am the person who has the right to drill on the tract or drilling unit and to drill into and produce from a pool and to appropriate the oil or gas that I produce therefrom either for myself or others as described in this application. And furthermore, I the undersigned, being duly sworn, depose and state at this time that I am not liable for any final nonappealable order of a court for damage to streets, roads, highways, bridges, culverts, or drainage ways pursuant to Section 5577.12 of the Ohio Revised Code (ORC), and that the notice required under Section 1509.06 (I), ORC has been given. If applying for a permit to plug and abandon a well, I hereby certify that the written notices, as required in Section 1509.13, ORC, have been given.

That I hereby agree to conform with all provisions of Chapter 1509, ORC, and to all orders and rules issued by the Chief, Division of Mineral Resources Management.

Signature of Owner/Authorized Agent: *Joseph W. Frantz Jr.*
Name (Type or Print) **Joseph W. Frantz Jr.** Title **President**

If signed by Authorized Agent, a certificate of appointment of agent must be on file.

Sworn to and subscribed before me this the **21** day of **Feb**, 20**08**

Jill E. Kennane
(Notary Public)

Date Commission Expires
COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Jill E. Kennane, Notary Public
Reserve Twp., Allegheny County
My Commission Expires Oct. 15, 2011
Member, Pennsylvania Association of Notaries

RECEIVED

STATE OF OHIO
THE OHIO DEPARTMENT OF NATURAL RESOURCES
THE DIVISION OF MINERAL RESOURCES MANAGEMENT
2045 MORSE ROAD, BUILDING H-3
COLUMBUS, OHIO 43229-6693

FEB 21 2008

OIL AND GAS AFFIDAVIT

DIVISION OF MINERAL
RESOURCES MANAGEMENT

Application No. _____
(To be filled in by the Division)

STATE OF OHIO ss:
COUNTY OF Jackson

NAME OF LANDOWNER: Daniel R. Rapier and Naomi L. Rapier

ADDRESS OF LANDOWNER: 4845 Augsturger Rd.- Hamilton, OH 45011

Being first duly sworn according to law, depose and say that they are the owners of the following described real estate:

Located in South West Quarter of
Section 16,
Fraction/Lot _____, Bloomfield Township,
Jackson County, Ohio.

The undersigned certify that they are the owners of the property in fee simple, including the coal rights, and have no objections to the drilling of the Rapier D1-16, by the
(Well Name & No.)

Unbridled Energy Ohio, LLC on said premises.
(Company)

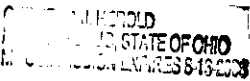
Further affiant sayeth naught.

Signatures: Daniel R. Rapier
Daniel R. Rapier

Signatures: Naomi L. Rapier
Naomi L. Rapier

SWORN to before me and subscribed in my presence this 31st
Day of JANUARY, 20 08

Notary Public: Christina J. Harold



**There is an Oversize
Map or Maps for
this Permit.**

**Images are available
for viewing at**

M:Drive/OIL&Gas/OverSizedImages

RESTORATION PLAN (Form 4)

Ohio Department of Natural Resources

Division of Mineral Resources Management, 2045 Morse Road, Bldg. H-3, Columbus OH 43229-6693

<p>1. DATE OF APPLICATION: 21-Feb-08</p> <p>2. OWNER NAME, ADDRESS, & TELEPHONE NO.:</p> <p>Unbridled Energy Ohio LLC 2100 Georgetowne Dr. Suite 301 Sewickley, PA 15143</p>	<p>3. API #:</p> <p>4. WELL #: D1-16</p> <p>5. LEASE NAME: RAPIER</p> <p>6. PROPERTY OWNER: DANIEL & NAOMI RAPIER</p> <p>7. COUNTY: JACKSON</p> <p>8. CIVIL TOWNSHIP: BLOOMFIELD</p> <p>9. SECTION: 16 10. LOT:</p>
<p>11. CURRENT LAND USE:</p> <p><input type="checkbox"/> Cropland <input type="checkbox"/> Commercial</p> <p><input checked="" type="checkbox"/> Pasture <input type="checkbox"/> Idle Land</p> <p><input type="checkbox"/> Wetlands <input type="checkbox"/> Recreational</p> <p><input type="checkbox"/> Residential <input type="checkbox"/> Industrial</p> <p><input type="checkbox"/> Unreclaimed strip mine</p> <p><input type="checkbox"/> Woodland: <input type="checkbox"/> Broadleaf <input type="checkbox"/> Needlelike</p>	<p>17. TYPE OF WELL:</p> <p><input type="checkbox"/> Oil <input checked="" type="checkbox"/> Gas <input type="checkbox"/> Other</p> <p>18. STEEPEST SLOPE GRADIENT CROSSING SITE:</p> <p><input checked="" type="checkbox"/> 0 to 2% <input type="checkbox"/> 2.1 to 8%</p> <p><input type="checkbox"/> 8.1 to 10%</p> <p><input type="checkbox"/> 10.1 to 24% <input type="checkbox"/> greater than 24%</p>
<p>12. SLOPE GRADIENT & LENGTH DETERMINED FROM:</p> <p><input type="checkbox"/> Ground Measurement</p> <p><input checked="" type="checkbox"/> U.S. Geological Survey Topographical Maps</p> <p><input type="checkbox"/> Other: (explain)</p>	<p>19. LENGTH OF STEEPEST SLOPE CROSSING SITE:</p> <p><input checked="" type="checkbox"/> 1 to 100 ft. <input type="checkbox"/> 101 to 200 ft.</p> <p><input type="checkbox"/> 201 to 400 ft. <input type="checkbox"/> greater than 400 ft.</p>
<p>13. TYPE OF FALL VEGETAL COVER</p> <p><input type="checkbox"/> Little or no vegetal cover</p> <p><input checked="" type="checkbox"/> Short grasses</p> <p><input type="checkbox"/> Tall weeds or short brush (1 to 2 ft.)</p> <p><input type="checkbox"/> Brush or bushes (2 to 6 ft.)</p> <p><input type="checkbox"/> Agricultural crops</p> <p><input type="checkbox"/> Trees with sparse low brush</p> <p><input type="checkbox"/> Trees with dense low brush</p>	<p>20. RESTORATION OF DRILLING PITS: **</p> <p><input checked="" type="checkbox"/> Haul drilling fluids and fill pits</p> <p><input type="checkbox"/> Use steel circulating tanks</p> <p><input type="checkbox"/> Proposed alternative</p>
<p>14. SOIL & RESOILING MATERIAL AT WELLSITE:</p> <p><input checked="" type="checkbox"/> Stockpile and protect topsoil to be used when preparing seedbed</p> <p><input type="checkbox"/> Use of soil additives (e.g., lime, fertilizer)</p> <p><input type="checkbox"/> No resoiling planned</p> <p><input type="checkbox"/> Proposed alternative</p>	<p>21. BACKFILLING AND GRADING AT SITE:</p> <p><input type="checkbox"/> Construct diversions channeled to naturally established drainage systems</p> <p><input type="checkbox"/> Construct terraces across slopes</p> <p><input checked="" type="checkbox"/> Grade to approximate original contour</p> <p><input type="checkbox"/> Grade to minimize erosion & control offsite runoff</p> <p><input type="checkbox"/> Proposed alternative</p>
<p>15. DISPOSAL PLAN FOR TREES AND TREE STUMPS:</p> <p><input checked="" type="checkbox"/> No trees disturbed <input type="checkbox"/> Haul to landfill</p> <p><input type="checkbox"/> Cut into firewood <input type="checkbox"/> Sell to lumber company</p> <p><input type="checkbox"/> Bury with landowner's approval</p> <p><input type="checkbox"/> Mulch small trees and branches, erosion control</p> <p><input type="checkbox"/> Use for wildlife habitat with landowner approval</p> <p><input type="checkbox"/> Proposed alternative</p>	<p>22. VEGETATIVE COVER TO BE ESTABLISHED AT SITE:</p> <p><input checked="" type="checkbox"/> Seeding plan <input type="checkbox"/> Sod</p> <p><input type="checkbox"/> Agricultural crops <input type="checkbox"/> Trees and/or Bushes</p> <p><input type="checkbox"/> Proposed alternative</p>
<p>16. SURFACE AND SUBSURFACE DRAINAGE FACILITIES:</p> <p><input checked="" type="checkbox"/> No existing drainage facilities for removal of surface and/ or subsurface water</p> <p><input type="checkbox"/> Tile drainage system underlying land to be disturbed</p> <p><input type="checkbox"/> Drain pipe(s) underlying land to be disturbed</p> <p><input type="checkbox"/> Surface drainage facilities on land to be disturbed</p>	<p>23. ADDITIONAL HOLES:</p> <p><input checked="" type="checkbox"/> Rat/Mouse, if used, will be plugged</p> <p>24. PROPOSED OR CURRENT LENGTH OF ACCESS ROAD:</p> <p><input type="checkbox"/> 100 ft. or less <input type="checkbox"/> 101 to 500 ft.</p> <p><input checked="" type="checkbox"/> 501 to 1500 ft. <input type="checkbox"/> greater than 1500 ft.</p>
<p>25. CURRENT LAND USE OF PATH OF ACCESS ROAD:</p> <p><input type="checkbox"/> Cropland <input checked="" type="checkbox"/> Pasture <input type="checkbox"/> Commercial</p> <p><input type="checkbox"/> Idle land <input type="checkbox"/> Wetlands <input type="checkbox"/> Recreational</p> <p><input type="checkbox"/> Industrial <input type="checkbox"/> Residential</p> <p><input type="checkbox"/> Unreclaimed strip mine</p> <p><input type="checkbox"/> Woodland: <input type="checkbox"/> Broadleaf <input type="checkbox"/> Needlelike</p>	

****PITS MUST BE FILLED WITHIN FIVE MONTHS AFTER COMMENCEMENT OF THE WELL. REQUIRED BY SECTION 1509.06 (L), OHIO REVISED CODE - FAILURE TO SUBMIT MAY RESULT IN AN ASSESSMENT OF CRIMINAL FINES NOT LESS THE \$100.00 NOR MORE THAN \$2,000.00 OR CIVIL PENALTIES NOT LESS THEN \$4,000.00.**

DNR-744-7002 (Revised 04/05)

RECEIVED

Page 1 of 2

FEB 21 2008

DIVISION OF MINERAL RESOURCES MANAGEMENT

26. SURFACING MATERIAL FOR ACCESS ROAD: <input checked="" type="checkbox"/> Gravel <input type="checkbox"/> Brick and/or tile waste <input type="checkbox"/> Slag <input type="checkbox"/> Crushed stone <input type="checkbox"/> No surfacing material to be used <input type="checkbox"/> Proposed alternative _____	29. STEEPEST SLOPE GRADIENT ON ACCESS ROAD: <input checked="" type="checkbox"/> 0 to 5% <input type="checkbox"/> 6 to 10% <input type="checkbox"/> greater than 10%
27. PATH OF ACCESS ROAD TO BE DETERMINED BY: <input type="checkbox"/> Landowner <input type="checkbox"/> Contractor <input checked="" type="checkbox"/> Existing access road <input type="checkbox"/> Operator	30. APPROXIMATE LENGTH OF STEEPEST SLOPE ON ROAD: <input checked="" type="checkbox"/> 0 to 100 ft <input type="checkbox"/> 101 to 200 ft. <input type="checkbox"/> 201 to 400 ft <input type="checkbox"/> greater than 400 ft.
28. GRADING AND EROSION CONTROL PRACTICE ON ROAD: <input type="checkbox"/> Diversions <input type="checkbox"/> Filter strips <input type="checkbox"/> Drains <input type="checkbox"/> Riprap <input type="checkbox"/> Open top culverts <input type="checkbox"/> Water breaks <input type="checkbox"/> Outsloping of road <input checked="" type="checkbox"/> Pipe culverts <input type="checkbox"/> Proposed alternative _____	31. HAS LANDOWNER RECEIVED A COPY OF THIS RESTORATION PLAN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

The undersigned hereby agrees to implement all restoration operations identified on this form, and conform to all provisions of Section 1509.072 of the Ohio Revised Code, and to all Orders and rules issued by the Chief, Division of Mineral Resources Management.

Signature of Owner/Authorized Agent _____

Name (Typed or Printed) _____

Date _____

RESTORATION PLAN MUST BE SUBMITTED TO THE DIVISION IN DUPLICATE.

APPLICATION FOR A PERMIT
OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINERAL RESOURCES MANAGEMENT
2045 Morse Road, Building H-3
COLUMBUS, OHIO 43229-6605

(614) 265-6633 http://www.dnr.state.oh.us/mineral/index.html

INSTRUCTIONS ON REVERSE SIDE

FORM 1: Rev. 9/2004/mpm

1. I, We (applicant) **Unbridled Energy Ohio, LLC** , 2. Owner # **8334**
(address) **2100 Georgetowne Drive Suite 301, Sewickley, PA 15143** , Phone # **(724) 934-2340**
Hereby apply this date **2/21/2008** for a permit to

Reissue (check appropriate blank) Revised Location and Reissue Convert
 Drill New Well Plug Back Deepen
 Drill Directionally Plug and Abandon Reopen
 Drill Horizontally Orphan Well Program

3. TYPE OF WELL: Oil Gas Annular Disposal Saltwater Injection
 Stratigraphic Test Storage of: _____
 Other (explain): _____
 Solution Mining* Enhanced Recovery* * check appropriate box below
 Input/Injection Water Supply Production/Extraction Observation

4. MAIL PERMIT TO: Please also fax permit to: Joe Frantz 724-934-2355
Unbridled Energy Ohio, LLC
2100 Georgetowne Drive Suite 301
Sewickley, PA 15143

20. Type of tools
 Cable Air Rotary
 Cable/Air Rotary Air/Fluid Rotary
 Cable/Fluid Rotary Fluid Rotary
 Cable/Air Rotary/Fluid Rotary

5 COUNTY: **JACKSON**
6. CIVIL TOWNSHIP: **BLOOMFIELD**
7. SECTION: **16** **8** LOT:
9. FRACTION: **10** QTR:
11. TRACT/ALLOT:
12. WELL #: **D1-16**
13. LEASE NAME: **RAPIER**

21. PROPOSED CASING PROGRAM:
8 5/8" OR 7" SET TO 1225'
4 1/2" TO T.D. IF PRODUCTIVE.

14. PROPOSED TOTAL DEPTH: **1950**
15. PROPOSED GEOLOGICAL FORMATION: **OHIO SHALE**
16. DRILLING UNIT IN ACRES (must be same as acres indicated on plat): **54.70**

22. FIRE AND MEDICAL DEPARTMENT TELEPHONE NUMBER (Closest to well site):
FIRE: **911**
MEDICAL: **911**

17. IF PERMITTED PREVIOUSLY:
API #:
OWNER:
WELL #:
LEASE NAME:
TOTAL DEPTH:
GEOLOGICAL FORMATION:

23. MEANS OF INGRESS AND EGRESS:
Twp_Rd: **152 - Luther Jones Rd.**
County_Rd: _____
Municipal_Rd: _____
State_Hwy: _____

18. IF SURFACE RIGHTS ARE OWNED BY THE OHIO DEPARTMENT OF NATURAL RESOURCES:
Division Name: _____
Division Phone: _____

24. IS THE WELL LOCATION OR PRODUCTION FACILITIES WITHIN AN URBANIZED AREA AS DEFINED BY 1509.03?
 YES NO

25. WILL THE PROPOSED LOCATION OF THIS WELL REQUIRE THE NOTICE SPECIFIED UNDER 1509.05 (f)?
 YES NO

19. LANDOWNER ROYALTY INTEREST:
Is There An Attached List? YES NO

NAME: **Rapier, Daniel R. & Naomi L.**
ADDRESS: **4845 Augsturger Rd., Hamilton, OH 45011**

RECEIVED
FEB 21 2008
DIVISION OF MINERAL RESOURCES MANAGEMENT

I, the undersigned, being first duly sworn, depose and state under penalties of law, that I am authorized to make this application, that this application was prepared by me or under my supervision and direction, and that the facts stated herein are true, correct and complete, to the best of my knowledge.

I, the undersigned, further depose and state that I am the person who has the right to drill on the tract or drilling unit and to drill into and produce from a pool and to appropriate the oil or gas that I produce therefrom either for myself or others as described in this application. And furthermore, I the undersigned, being duly sworn, depose and state at this time that I am not liable for any final nonappealable order of a court for damage to streets, roads, highways, bridges, culverts, or drainage ways pursuant to Section 5577.12 of the Ohio Revised Code (ORC), and that the notice required under Section 1509.06 (f), ORC has been given. If applying for a permit to plug and abandon a well, I hereby certify that the written notices, as required in Section 1509.13, ORC, have been given.

That I hereby agree to conform with all provisions of Chapter 1508, ORC, and to all orders and rules issued by the Chief, Division of Mineral Resources Management.

Signature of Owner/Authorized Agent *Joseph H. Frantz Jr.*
Name (Type or Print) **Joseph H. Frantz Jr.** Title **President**

If signed by Authorized Agent, a certificate of appointment of agent must be on file

Sworn to and subscribed before me this the **21** day of **Feb.**, 20**08**
Jill E. Kennane
(Notary Public)

Date Commission Expires

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal
Jill E. Kennane, Notary Public
Reserve Twp., Allegheny County
My Commission Expires Oct. 15, 2011

Member, Pennsylvania Association of Notaries

APPLICATION FOR A PERMIT
OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINERAL RESOURCES MANAGEMENT
2045 Morse Road, Building H-3
COLUMBUS, OHIO 43229-6605

(614) 265-6633 <http://www.dnr.state.oh.us/mineral/index.html>

INSTRUCTIONS ON REVERSE SIDE

FORM 1 Rev. 9/2004/mpm

1. I, We (applicant) Unbridled Energy Ohio, LLC 2. Owner # 8334
(address) 2100 Georgetowne Drive Suite 301, Sewickley, PA 15143 Phone # (724) 934-2340
Hereby apply this date 2/21/2008 for a permit to:
 Reissue (check appropriate blank) Revised Location and Reissue Convert
 Drill New Well Plug Back Deepen
 Drill Directionally Plug and Abandon Reopen
 Drill Horizontally Orphan Well Program

3. TYPE OF WELL: Oil Gas Annular Disposal Saltwater Injection
 Stratigraphic Test Storage of: _____
 Other (explain): _____
 Solution Mining* Enhanced Recovery* * check appropriate box below
 Input/Injection Water Supply Production/Extraction Observation

4. MAIL PERMIT TO: **Please also fax permit to: Joe Frantz 724-934-2355**
Unbridled Energy Ohio, LLC
2100 Georgetowne Drive Suite 301
Sewickley, PA 15143

20. Type of tools
 Cable Air Rotary
 Cable/Air Rotary Air/Fluid Rotary
 Cable/Fluid Rotary Fluid Rotary
 Cable/Air Rotary/Fluid Rotary

5. COUNTY: JACKSON
6. CIVIL TOWNSHIP: BLOOMFIELD
7. SECTION: 16 8. LOT: _____
9. FRACTION: _____ 10. QTR: _____

21. PROPOSED CASING PROGRAM:
8 5/8" OR 7" SET TO 125'
4 1/2" TO T.D. IF PRODUCTIVE.

11. TRACT/ALLOT: _____
12. WELL #: D1-16
13. LEASE NAME: RAPIER

22. FIRE AND MEDICAL DEPARTMENT TELEPHONE NUMBER(S) (closest to well site):
FIRE: 911
MEDICAL: 911

14. PROPOSED TOTAL DEPTH: 1950
15. PROPOSED GEOLOGICAL FORMATION OHIO SHALE

23. MEANS OF INGRESS AND EGRESS:
Twp_Rd: 152 - Luther Jones Rd.
County_Rd: _____
Municipal_Rd: _____
State_Hwy: _____

16. DRILLING UNIT IN ACRES (must be same as acres indicated on plat): 54.70

24. IS THE WELL LOCATION OR PRODUCTION FACILITIES WITHIN AN URBANIZED AREA AS DEFINED BY 1509.03?
 YES NO

17. IF PERMITTED PREVIOUSLY:
API #: _____
OWNER: _____
WELL #: _____
LEASE NAME _____
TOTAL DEPTH _____
GEOLOGICAL FORMATION _____

25. WILL THE PROPOSED LOCATION OF THIS WELL REQUIRE THE NOTICE SPECIFIED UNDER 1509.06 (j)?
 YES NO

18. IF SURFACE RIGHTS ARE OWNED BY THE OHIO DEPARTMENT OF NATURAL RESOURCES:
Division Name: _____
Division Phone: _____

19. LANDOWNER ROYALTY INTEREST:
Is There An Attached List? YES NO

NAME: Rapier, Daniel R. & Naomi L.
ADDRESS: 4845 Augsturger Rd., Hamilton, OH 45011

RECEIVED
FEB 21 2008
DIVISION OF MINERAL RESOURCES MANAGEMENT

I, the undersigned, being first duly sworn, depose and state under penalties of law, that I am authorized to make this application, that this application was prepared by me or under my supervision and direction, and that the facts stated herein are true, correct and complete, to the best of my knowledge.

I, the undersigned, further depose and state that I am the person who has the right to drill on the tract or drilling unit and to drill into and produce from a pool and to appropriate the oil or gas that I produce therefrom either for myself or others as described in this application. And furthermore, I the undersigned, being duly sworn, depose and state at this time that I am not liable for any final nonappealable order of a court for damage to streets, roads, highways, bridges, culverts, or drainage ways pursuant to Section 5577.12 of the Ohio Revised Code (ORC), and that the notice required under Section 1509.06 (f), ORC has been given. If applying for a permit to plug and abandon a well, I hereby certify that the written notices, as required in Section 1509.13, ORC, have been given.

That I hereby agree to conform with all provisions of Chapter 1509, ORC, and to all orders and rules issued by the Chief, Division of Mineral Resources Management.

Signature of Owner/Authorized Agent Joseph H. Frantz Jr. Title President
Name (Type or Print) Joseph H. Frantz Jr.

If signed by Authorized Agent, a certificate of appointment of agent must be on file.

Sworn to and subscribed before me this the 21 day of Feb., 2008
April E. Kennane
(Notary Public)

Date Commission Expires
COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Jill E. Kennane, Notary Public
Reserve Twp., Allegheny County
My Commission Expires Oct. 15, 2011
Member, Pennsylvania Association of Notaries

RECEIVED

STATE OF OHIO
THE OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINERAL RESOURCES MANAGEMENT
2045 MORSE ROAD, BUILDING H-3
COLUMBUS, OHIO 43229-6693

FEB 21 2008

OIL AND GAS AFFIDAVIT

DIVISION OF MINERAL
RESOURCES MANAGEMENT

Application No. _____
(To be filled in by the Division)

STATE OF OHIO ss:

COUNTY OF Jackson

NAME OF LANDOWNER: Daniel R. Rapier and Naomi L. Rapier

ADDRESS OF LANDOWNER: 4845 Augsturger Rd.- Hamilton, OH 45011

Being first duly sworn according to law, depose and say that they are the owners of the following described real estate:

Located in South West Quarter of
Section 16
Fraction/Lot _____, Bloomfield Township,
Jackson County, Ohio.

The undersigned certify that they are the owners of the property in fee simple, including the coal rights, and have no objections to the drilling of the Rapier D1-16, by the
(Well Name & No.)

Unbridled Energy Ohio, LLC on said premises.
(Company)

Further affiant sayeth naught.

Signatures: Daniel R. Rapier
Daniel R. Rapier

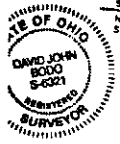
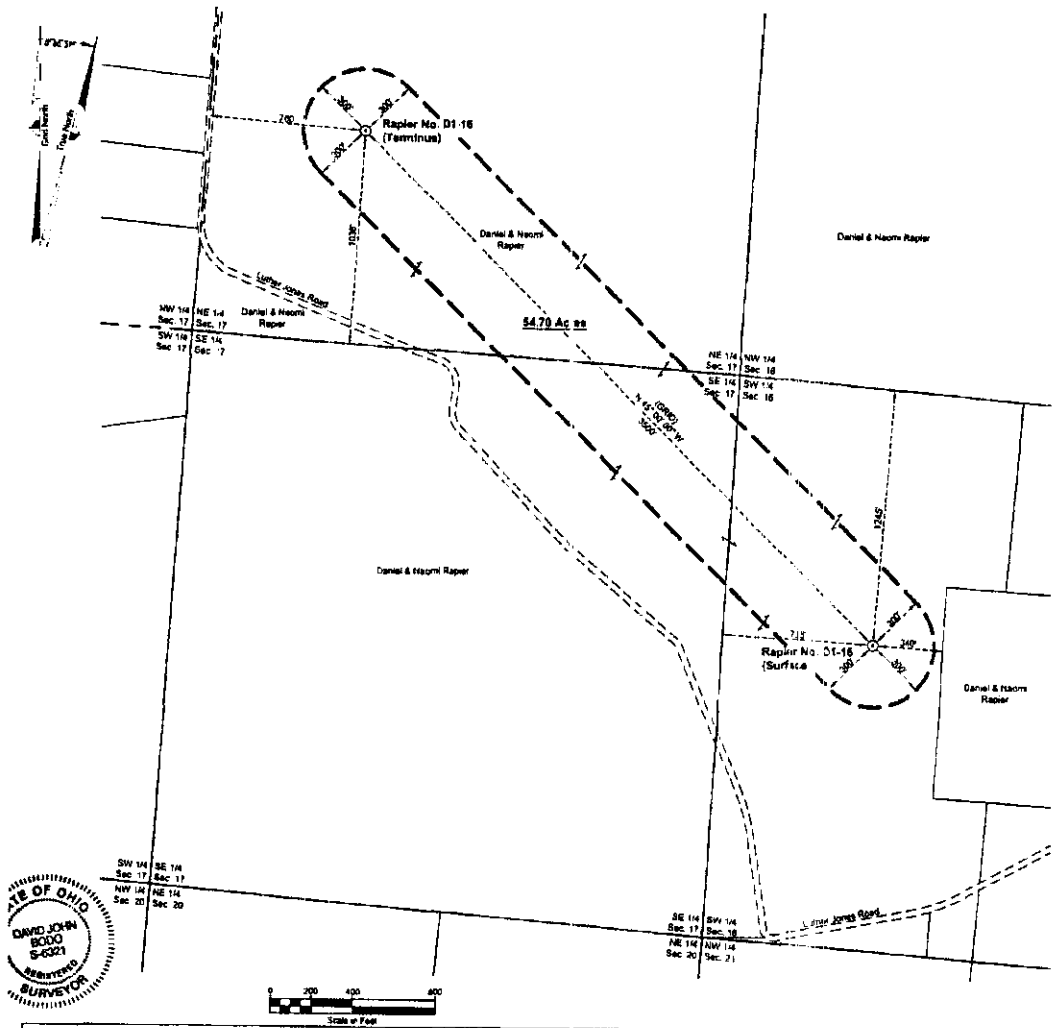
Signatures: _____
Signatures: Naomi L. Rapier
Naomi L. Rapier

SWORN to before me and subscribed in my presence this 31st

Day of JANUARY, 20 08

Notary Public: Christina J. Herald

CHRISTINA J. HEROLD
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES 8-13-2008



Plat Showing Location of Well
State of Ohio, Department of Natural Resources - Division of Mineral Resource Management, Columbus, Ohio

Rapier No. D1-16
Scale: 1" = 400'

I hereby state that all drilling or producing wells within 600 feet and all public roads, railroads, buildings and streams within 200 feet have been shown, there are no drilling unit lines nearer than 300 feet, that this plat is true and correct and was prepared according to the current Ohio Department of Natural Resources, Division of Mineral Resource Management (C-AC 1501.9-1).

David Bodo & Associates
Professional Surveyors
6175 Tongue Rd NW Carrollton, Ohio 44815
(330) 863-3300

Registered Surveyor Number 8321 or Registered Surveyor Number 8338	
Operator: Unbridled Energy Ohio, LLC Address: 2100 Georgetown Drive, Sewickley, PA, 15145	Subdivision Civil Township Township: g N Range: 17 W
Landowner: Surface Daniel & Naomi Rapier Minerals Daniel & Naomi Rapier	Quarter Township: -- Section: See Right Lot: -- Tract: -- Allotment: -- Fraction: -- Other: -- Elevation: See Right Date: 01/31/2008
Well Number: DL18 Drilling Unit Acre: 54.70	Distances to Original PLS Lines See Right See Right See Right
County: Jackson Township: Bloomfield	Coordinates are based on actual GPS field observations
Urbanized Area: NO	
Quad: Ozt 128 (Surface) & Weston (Terminus) (NAD 83) Ohio State (NAD 27)	
Plane Coordinates X: See Right Y: See Right	
	X: See Right Y: See Right

Rapier No. D1-16
Ohio State Plane Coordinates South Zone

Surface (NAD 83)	Point of Penetration (NAD 83)	Terminus (NAD 83)
X: 1,965,094	to be determined	X: 1,965,620
Y: 394,180	to be determined	Y: 366,655
EL: 900		

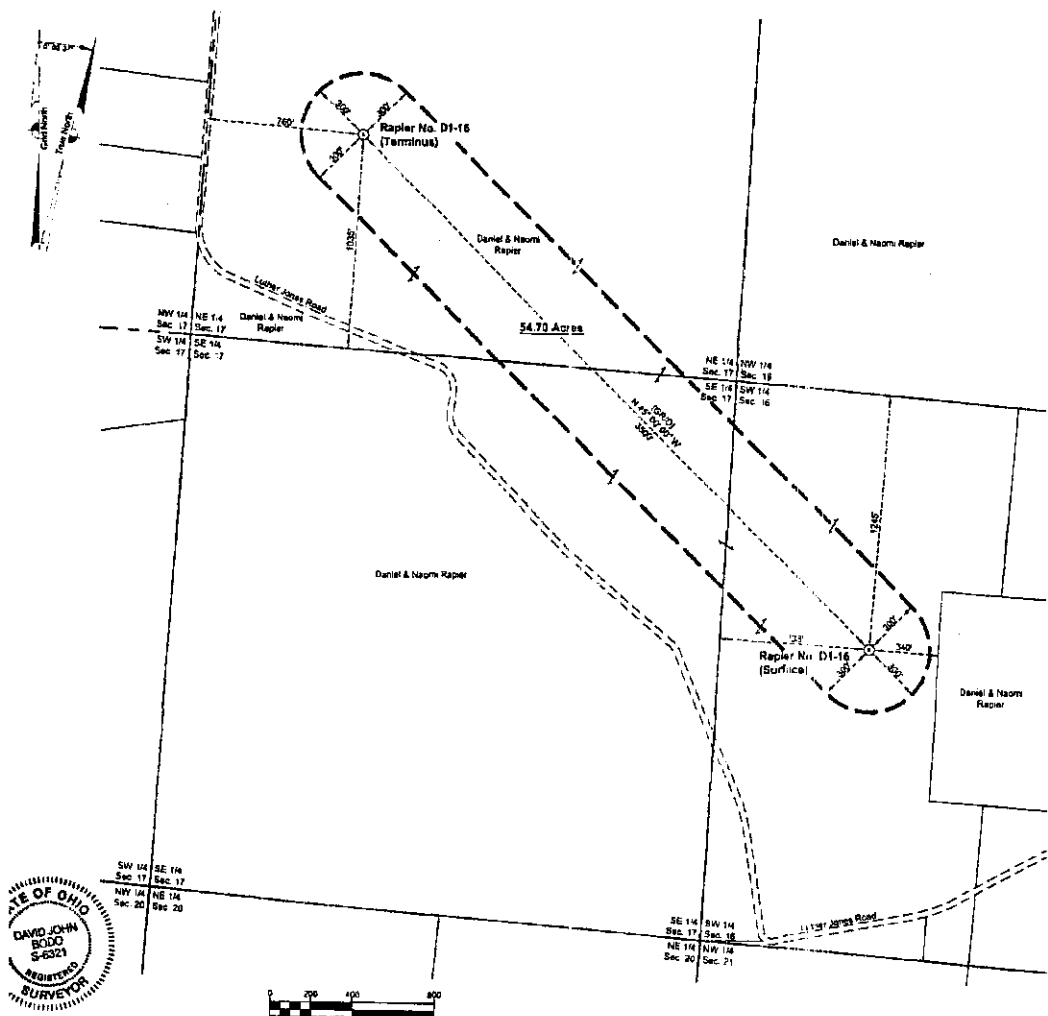
Surface (NAD 27)	Point of Penetration (NAD 27)	Terminus (NAD 27)
X: 1,996,660	to be determined	X: 1,994,085
Y: 364,145	to be determined	Y: 366,620
EL: 900		

Surface Distances to Original PLS Lines	Point of Penetration Distances to Original PLS Lines	Terminus Distances to Original PLS Lines
SW 1/4 Sec. 16	to be determined	NE 1/4 Sec. 17
1245' to N.L.	to be determined	1032' to S.L.
735' to W.L.	to be determined	760' to W.L.

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FEB 11 2008

DIVISION OF MINERAL
RESOURCES MANAGEMENT



Plat Showing Location of Well
State of Ohio Department of Natural Resources - Division of Mineral Resource Management, Columbus, Ohio

Raper No. D1-16

XX Oil or Gas XX New Location Scale: " = 400'

I hereby state that all drilling or producing wells within 600 feet and all public roads, railroads, buildings and streams within 200 feet have been shown, there are no drilling unit lines nearer than 300 feet, that this plat is true and correct and was prepared according to the current Ohio Department of Natural Resources, Division of Mineral Resource Management (CAC 1501.8-1).

David Bodo & Associates
Professional Surveyors
5175 Tongue Rd NW, Garriton, Ohio 44615
(330) 832-2200

Registered Surveyor Number 8321 or Registered Surveyor Number 8259	
Operator: Unbridled Energy Ohio, LLC Address: 2100 Georgetown Drive, Sewickley, PA, 15143	Subdivision Civil Township Township: <u>8 N</u> Range: <u>17 W</u>
Landowner: Surface: <u>Daniel & Naomi Raper</u> Minerals: <u>Daniel & Naomi Raper</u>	Quarter Township: <u>..</u> Section: <u>See Right</u> Lot: <u>..</u>
Well Number: <u>D1-16</u> Drilling Unit Acre: <u>54.70</u>	Tract: <u>..</u> Alignment: <u>..</u> Other: <u>..</u>
County: <u>Jackson</u> Township: <u>Bloomfield</u>	Fraction: <u>..</u> Elevation: <u>See Right</u> Date: <u>01/31/2008</u>
Urbanized Area: <u>NO</u>	Distances to Original PLSS Lines See Right See Right See Right See Right
Quad: <u>Del Hill (Surface) & Wellston (Terminus)</u>	Coordinates are based on actual GPS field observations
(NAD 83) Ohio State (NAD 27) Plane Coordinates X: <u>See Right</u> Y: <u>See Right</u> K: <u>See Right</u> L: <u>See Right</u>	

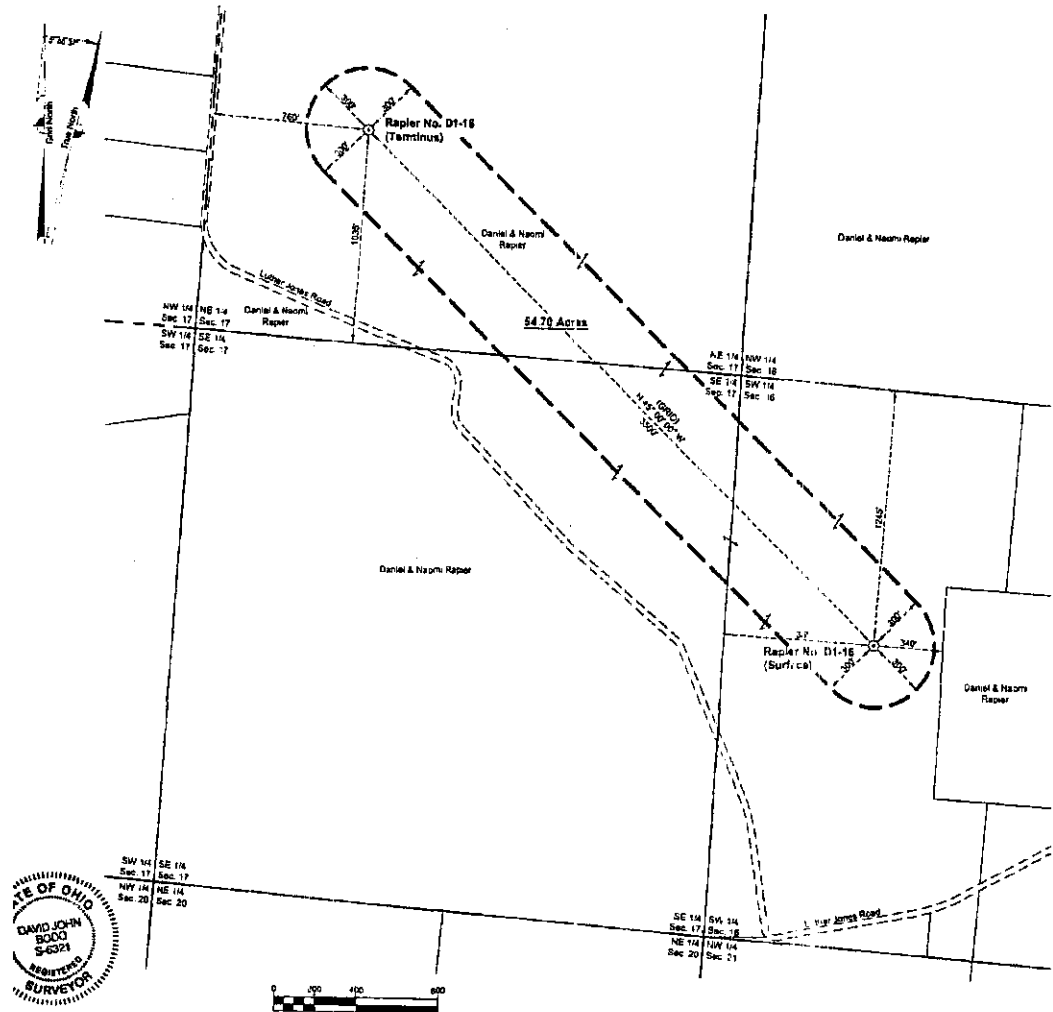
Raper No. D1-16
Ohio State Plane Coordinates South Zone

Surface (NAD 83)	Point of Penetration (NAD 83)	Terminus (NAD 83)
X: <u>1,965,089</u>	X: <u>to be determined</u>	X: <u>1,962,620</u>
Y: <u>364,180</u>	Y: <u>to be determined</u>	Y: <u>366,655</u>
EL: <u>900</u>		
Surface (NAD 27)	Point of Penetration (NAD 27)	Terminus (NAD 27)
X: <u>1,995,560</u>	X: <u>to be determined</u>	X: <u>1,994,085</u>
Y: <u>364,145</u>	Y: <u>to be determined</u>	Y: <u>365,620</u>
EL: <u>900</u>		
Surface	Point of Penetration	Terminus
Distances to Original PLSS Lines <u>SW 1/4 Sec. 16</u> <u>1245' to N.L.</u> <u>738' to W.L.</u>	Distances to Original PLSS Lines <u>to be determined</u> <u>to be determined</u> <u>to be determined</u>	Distances to Original PLSS Lines <u>NE 1/4 Sec. 17</u> <u>1035' to S.L.</u> <u>760' to W.L.</u>

RECEIVED

FEB 21 2008

DIVISION OF MINERAL
RESOURCES MANAGEMENT



Plat Showing Location of Well
 State of Ohio, Department of Natural Resources - Division of Mineral Resource Management, Columbus, Ohio

Rapier No. D1-16
 Scale: 1" = 400'

I hereby state that all drilling or producing wells within 600 feet and all public roads, railroads, buildings and streams within 200 feet have been shown, there are no drilling unit lines nearer than 300 feet, that this plat is true and correct and was prepared according to the current Ohio Department of Natural Resources, Division of Mineral Resource Management (DAC 1501.9-1).

David Bode & Associates
 Professional Surveyors
 5175 Tongue Rd NW, Co Tolton, Ohio 44615
 (330) 863-2300

Registered Surveyor Number **8321** or Registered Surveyor Number **8238**

Operator: Unbrieted Energy Ohio, LLC Address: 2100 Georgetown Drive, Sewickley, PA, 15143	Subdivision: Civil Township Township: 6 N Range: 17 W
Landowner: Surface Daniel & Naomi Rapier Minerals Daniel & Naomi Rapier	Quarter Township: --- Section: See Right Lot: --- Tract: --- Allotment: --- Fraction: --- Other: --- Elevation: See Right Date: 01/31/2008
Well Number: D1-16 Drilling Unit Area: 54.70	Distances to Original PLSS Lines See Right See Right See Right
County: Jackson Township: Bloomfield	Coordinates are based on actual GPS or old observations
Urbanized Area: NO	
Quarter: Q4 NE (Surface) & Weston (Terminus) (NAD 83) Ohio State (NAD 27) Plane Coordinates X See Right X See Right Y See Right Y See Right	

Rapier No. D1-16
 Ohio State Plane Coordinates South Zone

Surface (NAD 83)	Point of Penetration (NAD 83)	Terminus (NAD 83)
X: 1,865,995	X to be determined	X: 1,862,620
Y: 364,180	Y to be determined	Y: 368,655
EL: 900		

Surface (NAD 27)	Point of Penetration (NAD 27)	Terminus (NAD 27)
X: 1,928,580	X to be determined	X: 1,894,065
Y: 364,145	Y to be determined	Y: 368,620
EL: 900		

Surface Distances to Original P.L.S.S. Lines	Point of Penetration Distances to Original P.L.S.S. Lines	Terminus Distances to Original P.L.S.S. Lines
SW 1/4 Sec. 16: 1245' to N.L.	2.18' determined	NE 1/4 Sec. 17: 1032' to S.L.
735' to W.L.	2.18' determined	260' to W.L.

RECEIVED

FEB 21 2008

DIVISION OF MINERAL
 RESOURCES MANAGEMENT

RESTORATION PLAN (Form 4)

Ohio Department of Natural Resources

Division of Mineral Resources Management, 2045 Morse Road, Bldg. H-3, Columbus OH 43229-6693

<p>1. DATE OF APPLICATION: 21-Feb-08</p>	<p>3. API #:</p>
<p>2. OWNER NAME, ADDRESS, & TELEPHONE NO.:</p> <p>Unbridged Energy Ohio LLC 2100 Georgetown Dr. Suite 301 Sewickley, PA 15143</p>	<p>4. WELL #: D1-16</p>
<p>11. CURRENT LAND USE:</p> <p><input type="checkbox"/> Cropland <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Pasture <input type="checkbox"/> Idle Land <input type="checkbox"/> Wetlands <input type="checkbox"/> Recreational <input type="checkbox"/> Residential <input type="checkbox"/> Industrial <input type="checkbox"/> Unreclaimed strip mine <input type="checkbox"/> Woodland: <input type="checkbox"/> Broadleaf <input type="checkbox"/> Needlelike</p>	<p>5. LEASE NAME: RAPIER</p> <p>6. PROPERTY OWNER: DANIEL & NAOMI RAPIER</p> <p>7. COUNTY: JACKSON</p> <p>8. CIVIL TOWNSHIP: BLOOMFIELD</p> <p>9. SECTION: 16 10. LOT:</p>
<p>12. SLOPE GRADIENT & LENGTH DETERMINED FROM:</p> <p><input type="checkbox"/> Ground Measurement <input checked="" type="checkbox"/> U.S. Geological Survey Topographical Maps <input type="checkbox"/> Other: (explain)</p>	<p>17. TYPE OF WELL:</p> <p><input type="checkbox"/> Oil <input checked="" type="checkbox"/> Gas <input type="checkbox"/> Other</p>
<p>13. TYPE OF FALL VEGETAL COVER:</p> <p><input type="checkbox"/> Little or no vegetal cover <input checked="" type="checkbox"/> Short grasses <input type="checkbox"/> Tall weeds or short brush (1 to 2 ft) <input type="checkbox"/> Brush or bushes (2 to 6 ft.) <input type="checkbox"/> Agricultural crops <input type="checkbox"/> Trees with sparse low brush <input type="checkbox"/> Trees with dense low brush</p>	<p>18. STEEPEST SLOPE GRADIENT CROSSING SITE:</p> <p><input checked="" type="checkbox"/> 0 to 2% <input type="checkbox"/> 2.1 to 8% <input type="checkbox"/> 8.1 to 10% <input type="checkbox"/> 10.1 to 24% <input type="checkbox"/> greater than 24%</p>
<p>14. SOIL & RESOILING MATERIAL AT WELLSITE:</p> <p><input checked="" type="checkbox"/> Stockpile and protect topsoil to be used when preparing seedbed <input type="checkbox"/> Use of soil additives (e.g., lime, fertilizer) <input type="checkbox"/> No resoiling planned <input type="checkbox"/> Proposed alternative</p>	<p>19. LENGTH OF STEEPEST SLOPE CROSSING SITE:</p> <p><input checked="" type="checkbox"/> 1 to 100 ft. <input type="checkbox"/> 101 to 200 ft. <input type="checkbox"/> 201 to 400 ft. <input type="checkbox"/> greater than 400 ft.</p>
<p>15. DISPOSAL PLAN FOR TREES AND TREE STUMPS:</p> <p><input checked="" type="checkbox"/> No trees disturbed <input type="checkbox"/> Haul to landfill <input type="checkbox"/> Cut into firewood <input type="checkbox"/> Sell to lumber company <input type="checkbox"/> Bury with landowner's approval <input type="checkbox"/> Mulch small trees and branches, erosion control <input type="checkbox"/> Use for wildlife habitat with landowner approval <input type="checkbox"/> Proposed alternative</p>	<p>20. RESTORATION OF DRILLING PITS: **</p> <p><input checked="" type="checkbox"/> Haul drilling fluids and fill pits <input type="checkbox"/> Use steel circulating tanks <input type="checkbox"/> Proposed alternative</p>
<p>16. SURFACE AND SUBSURFACE DRAINAGE FACILITIES:</p> <p><input checked="" type="checkbox"/> No existing drainage facilities for removal of surface and/ or subsurface water <input type="checkbox"/> Tile drainage system underlying land to be disturbed <input type="checkbox"/> Drain pipe(s) underlying land to be disturbed <input type="checkbox"/> Surface drainage facilities on land to be disturbed</p>	<p>21. BACKFILLING AND GRADING AT SITE:</p> <p><input type="checkbox"/> Construct diversions (channeled to naturally established drainage systems) <input type="checkbox"/> Construct terraces across slopes <input checked="" type="checkbox"/> Grade to approximate original contour <input type="checkbox"/> Grade to minimize erosion & control offsite runoff <input type="checkbox"/> Proposed alternative</p>
<p>25. CURRENT LAND USE OF PATH OF ACCESS ROAD:</p> <p><input type="checkbox"/> Cropland <input checked="" type="checkbox"/> Pasture <input type="checkbox"/> Commercial <input type="checkbox"/> Idle land <input type="checkbox"/> Wetlands <input type="checkbox"/> Recreational <input type="checkbox"/> Industrial <input type="checkbox"/> Residential <input type="checkbox"/> Unreclaimed strip mine <input type="checkbox"/> Woodland: <input type="checkbox"/> Broadleaf <input type="checkbox"/> Needlelike</p>	<p>22. VEGETATIVE COVER TO BE ESTABLISHED AT SITE:</p> <p><input checked="" type="checkbox"/> Seeding plan <input type="checkbox"/> Sod <input type="checkbox"/> Agricultural crops <input type="checkbox"/> Trees and/or Bushes <input type="checkbox"/> Proposed alternative</p>
<p>23. ADDITIONAL HOLES:</p> <p><input checked="" type="checkbox"/> Rat/Mouse, if used, will be plugged</p>	<p>24. PROPOSED OR CURRENT LENGTH OF ACCESS ROAD:</p> <p><input type="checkbox"/> 100 ft. or less <input type="checkbox"/> 101 to 500 ft. <input checked="" type="checkbox"/> 501 to 1500 ft. <input type="checkbox"/> greater than 1500 ft.</p>

**PITS MUST BE FILLED WITHIN FIVE MONTHS AFTER COMMENCEMENT OF THE WELL. REQUIRED BY SECTION 1509.06 (L), OHIO REVISED CODE - FAILED TO SUBMIT MAY RESULT IN AN ASSESSMENT OF CRIMINAL FINES NOT LESS THE \$100.00 NOR MORE THAN \$2,000.00 OR CIVIL PENALTIES NOT LESS THEN \$4,000.00.

Casing Ticket

API Well Number:

34-079-2-0261-00-00

Record of Casing, Cementing and Mudding

Well Owner: **UNBRIDLED ENERGY OHIO LLC**
 Lease Name: **RAPIER DI-16** Well No. **DI-16**
 County: **JACKSON** Township: **BLOOMFIELD**
 Driller: **HIGHLAND DRLG** Tool **Air Rotar**
 Refer Top **Ground Level** Lat: **39.000040** Long: **82.512070**

Permit Issued: **02/26/2008**
 Date Spudded: **04/24/2008**
 Date Completed:
 Inspector **SCOTT JON**
 AD Meets Requirements
 AD on Permit

Comments:

FLD

*Conductor Pipe Field Entry

CONDITION **New**

Bot **120** Diam **9.625** Top **0** LENGTH **0** Set Dt **4/24/2008**

String Comments Casing
 Condition, Weight and
 Cement Basket

26#

BOC **0** TOC **0** DT_CM **0** WITNESSED

CMT_CON **0** INSPECTOR **SCOTT JON**

CLASS_CMT: **0** SACKS **0** YIELD **0** WEIGHT **0**

Cement 1

CLASS_CMT2: **0** SACKS2 **0** YIELD **0** WEIGHT **0**

Cement 2

APR 24 2008

FLD

*Hole 1 Field Entry

CONDITION

Bot 1255 Diam 8.875 Top 0 LENGTH Set Dt 4/24/2008

String Comments Casing Condition, Weight and Cement Basket

BOC 0 TOC 0 DT_CM WITNESSED

CMT_CON INSPECTOR SCOTT JON

CLASS_CMT: SACKS YIELD WEIGHT

Cement 1

CLASS_CMT2: SACKS2 YIELD WEIGHT

Cement 2

FLD

*Surface Casing Field Entry

CONDITION

New

Bot 1220 Diam 7 Top 0 LENGTH Set Dt 4/25/2008

String Comments Casing Condition, Weight and Cement Basket

20# Baskets set at 120', and 240'

BOC 1255 TOC 0 DT_CM WITNESSED

CMT_CON B.J. HUGHES INSPECTOR SCOTT JON

CLASS_CMT: Class A Cement SACKS 115 YIELD 1.39 WEIGHT 14.6

Cement 1 115 sacks type 1 + 2% gel + 2% cacl+1/4 pps flake.

CLASS_CMT2: Class A Cement SACKS2 100 YIELD 1.2 WEIGHT 15.6

Cement 2 60 sacks type 1 + 3% cacl. 40 sacks type 1 +3% cacl+

Formation TOP BOT METH_ Producing NonStandard CMMNT

UNKNOWN 0 1255 I No

CEMENT JOB REPORT



CUSTOMER Equitable Production Company		DATE 24-APR-08	F.R. # 525110155		SERV. SUPV. JOSEPH L CROUCH							
LEASE & WELL NAME O-580001 - API 34079202610000		LOCATION			COUNTY-PARISH-BLOCK Jackson Ohio							
DISTRICT Dunbar		DRILLING CONTRACTOR RIG # HIGHLAND #5			TYPE OF JOB Intermediate							
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES								
BJ Cement Plug, Rubber, Top 7 in		Guide Shoe, Cement Nose, 7 in		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER		
MATERIALS FURNISHED BY BJ												
TYPE 1 + 2% GEL+2% CACL+1/4 PPS FLAKE				115	14.6	1.39	6.1		28.67	16.82		
TYPE 1 + 3% CACL				60	15.6	1.2	5.25		12.93	7.56		
TYPE 1 + 3% CACL+				40	15.6	1.2	5.25		8.6	5.03		
Available Mix Water 175 Bbl.		Available Displ. Fluid 175 Bbl.		TOTAL				50.2	29.41			
HOLE			TBG-CSG-D.P.				COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE		
8.875	0	1254	7	20	CSG	1220	H-40	1220	1176			
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID		
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
9.625	26	CSG	120						7	8RD	FRESH WATER	8.34
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator		
48.4	BBLs			525	415				1848	1000	TANK	

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:

PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	2200 PSI
						CIRCULATING WELL - RIG	<input type="checkbox"/> BJ <input checked="" type="checkbox"/>
20:30						LEAVE YARD	
22:00						ARRIVE TO LOCATION	
05:08						SAFETY MEETING	
05:13	100	0	4.5	1	H2O	CLEAR LINES	
05:14	2200	0	.5	.5	H2O	PSI TEST	
05:17	135	0	4	30	H2O	H2O	
05:24	120	0	4	10	GEL	GEL + FLAKE	
05:27	95	0	4	10	H2O	H2O	
05:29	235	0	3.8	28	CMT	LEAD @ 14.6 PPG	
05:37	255	0	3.8	14	CMT	TAIL @ 15.6 PPG	
05:42						SD/DP	
05:43	130	0	4		H2O	DISPLACEMENT	
06:01	900	0	1	47.8	H2O	PLUG DOWN (DESIRED 48.5 DISP)	
06:33						BATCH & SPOT CMT	
06:36	105	0	.5	1.5	CMT	CMT @ 15.6 (ANNULAS)	
06:37						SHUT DOWN	
						POST JOB MEETING	
						LEAVE LOCATION	

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	SERVICE SUPERVISOR SIGNATURE:
Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	900	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	5	145	635	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

ROUTE SLIP FOR CORRECTION/CHANGE OF EXISTING PERMITS

COUNTY: JACKSON TOWNSHIP: BLOOMFIELD PERMIT # 2-0261

PERSON RECEIVING REQUEST PATTY NICKLAUS DATE 01/09/2009

OWNER: UNBRIDLED ENERGY OHIO LLC

LEASE NAME: RAPIER WELL NO: D1-16

CHANGES:

_____ change in acreage/drill unit and/or X As Drilled Plat for Directional Drill

_____ Unit Configuration only

(new plat submitted: yes x no _____)
(fee required: yes x no _____)
(check no 0079)

_____ change in type of tool

_____ correction in footage
description (____ surface ____ target)

_____ change in formation/total depth

_____ change in lease name/well number
_____ change in casing program

_____ correction to X,Y coordinates
(____ surface ____ target)

_____ other (specify):

CORRECTION SHOULD READ:

TARGET FOOTAGE 750'SL + 1570'EL OF NE QTR, SEC 17

X 1,994,395

Y 366,810

EL 830

Decrease acreage to 48.68 Ac

CHANGES AUTHORIZED BY: (Geologist) KB Date: 1/21/09

HAS MINES BEEN NOTIFIED OF CHANGE: (where applicable) Yes _____ No _____ BY _____

DATA ENTERED INTO COMPUTER/ISSUED BY: _____ DATE: _____

REISSUE PERMIT: YES _____ NO ADD CORRECTION TO PERMIT LIST YES _____ NO

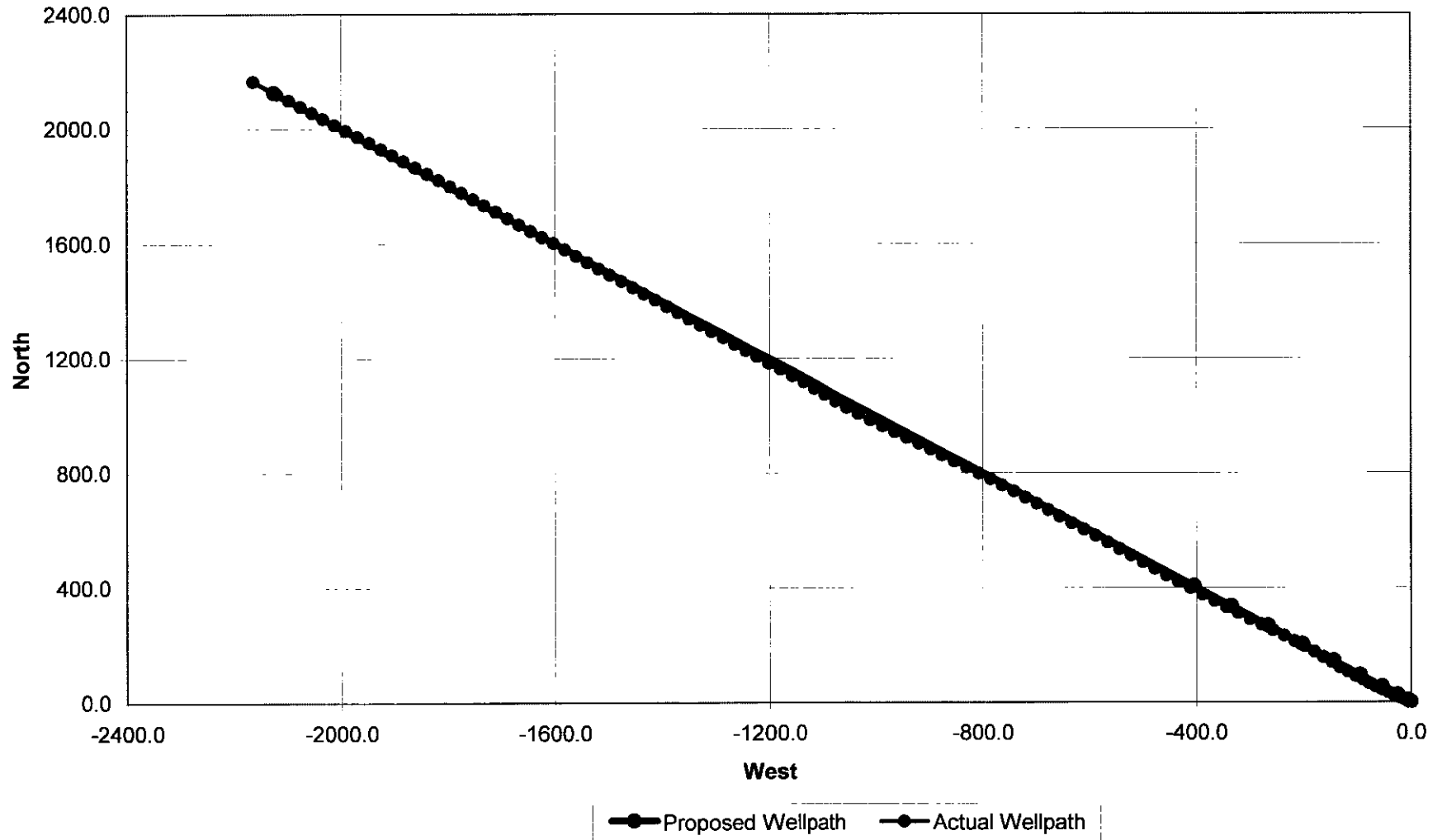
DATE CORRECTION NEEDED: _____ TO BE MAILED: _____ TO BE FAXED: _____

FAX NUMBER: _____

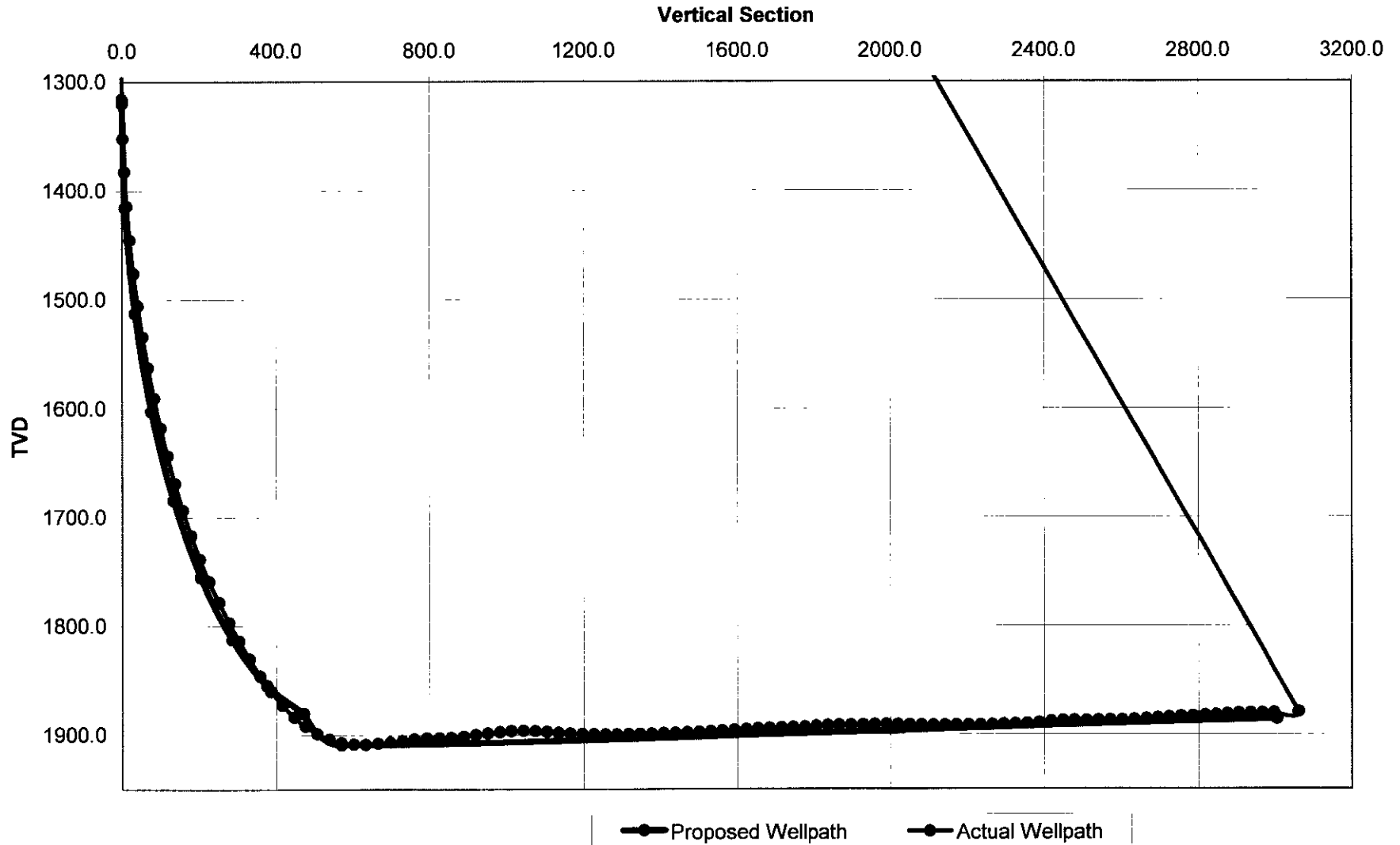
COMMENTS:

see oversized map file for original plat

Rapier D1-16 Plan View



Rapier D1-16 Vertical View



Proposed Wellpath (All Depths from KB)

Proposed Wellpath (All Depths from KB)									
Target Az.	315								
I'D	INC	AZM	C.L.	TVD	N/-S	E/-W	Vertical Section	DLS	
1316.0	0.0	0.0	#REF!	1316.0	0.0	0.0	0.0		Tie IN
1416.0	10.0	315.0	100.0	1415.5	6.2	-6.1	8.7	10.0	BUILD
1516.0	20.0	315.0	100.0	1512.0	24.4	-24.4	34.5	10.0	
1616.0	30.0	315.0	100.0	1602.5	54.3	-54.2	76.7	10.0	

Rapier D1-16 Actual Wellpath

Rapier D1-16 Actual Wellpath									
Target Az.	315								
I'D	INC	AZM	C.L.	TVD	N/-S	E/-W	Vertical Section	DLS	
1220.0			#REF!	1220.0	0.0	0.0	0.0		Tie IN
1257.0	0.3	321.0	37.0	1257.0	0.1	-0.1	0.1	0.8	BUILD
1289.0	0.1	99.6	32.0	1289.0	0.1	-0.1	0.2	1.2	
1320.0	1.9	310.6	31.0	1320.0	0.5	-0.4	0.6	6.4	
1352.0	5.3	307.3	32.0	1351.9	1.7	-2.0	2.6	10.6	
1383.0	9.3	305.0	31.0	1382.7	4.0	-5.2	6.5	12.9	
1415.0	13.0	304.3	32.0	1414.1	7.5	-10.3	12.6	11.6	
1447.0	16.6	307.3	32.0	1445.0	12.3	-16.9	20.7	11.5	
1479.0	19.2	309.1	32.0	1475.4	18.4	-24.6	30.4	8.3	
1511.0	22.3	309.4	32.0	1505.4	25.6	-33.4	41.7	9.7	
1542.0	25.0	309.8	31.0	1533.8	33.5	-43.0	54.1	8.7	
1574.0	28.3	311.6	32.0	1562.4	42.9	-53.9	68.4	10.6	
1606.0	30.1	313.8	32.0	1590.3	53.5	-65.3	84.0	6.5	
1638.0	32.7	316.1	32.0	1617.6	65.3	-77.1	100.7	8.9	
1669.0	35.6	314.6	31.0	1643.3	77.6	-89.3	118.1	9.7	
1701.0	38.5	314.1	32.0	1668.8	91.1	-103.1	137.3	9.1	
1733.0	41.4	315.1	32.0	1693.3	105.5	-117.8	157.9	9.3	
1765.0	44.4	317.9	32.0	1716.8	121.3	-132.7	179.7	11.1	
1796.0	48.0	319.4	31.0	1738.2	138.1	-147.5	202.0	12.1	
1828.0	51.4	319.8	32.0	1758.9	156.7	-163.3	226.3	10.7	
1860.0	54.1	317.9	32.0	1778.3	175.9	-180.1	251.7	9.7	
1892.0	56.0	315.2	32.0	1796.6	194.9	-198.1	277.9	9.1	
1923.0	57.4	313.2	31.0	1813.6	213.0	-216.7	303.8	7.0	
1955.0	60.3	313.2	32.0	1830.2	231.7	-236.6	331.2	9.1	
1987.0	61.9	312.6	32.0	1845.6	250.8	-257.2	359.2	5.3	
2019.0	65.0	312.7	32.0	1859.9	270.2	-278.2	387.8	9.7	
2051.0	68.5	313.1	32.0	1872.6	290.2	-299.7	417.2	11.0	
2083.0	72.2	313.6	32.0	1883.3	310.9	-321.7	447.3	11.7	
2114.0	76.0	314.0	31.0	1891.8	331.5	-343.2	477.1	12.4	
2146.0	79.1	314.5	32.0	1898.7	353.3	-365.5	508.3	9.7	
2178.0	82.6	314.6	32.0	1903.8	375.5	-388.0	539.9	11.0	
2210.0	86.0	315.0	32.0	1907.0	397.9	-410.6	571.7	10.6	
2242.0	88.5	314.9	32.0	1908.5	420.5	-433.3	603.7	8.0	
2273.0	90.9	315.4	31.0	1908.7	442.5	-455.1	634.7	8.0	
2305.0	91.9	316.0	32.0	1907.9	465.4	-477.5	666.7	3.4	
2337.0	92.4	316.4	32.0	1906.7	488.4	-499.6	698.6	1.8	
2369.0	92.8	316.7	32.0	1905.3	511.7	-521.6	730.6	1.4	
2400.0	92.2	316.5	31.0	1903.9	534.2	-542.8	761.6	4.3	
2432.0	90.6	315.3	32.0	1903.1	557.1	-565.1	793.5	5.3	
2464.0	90.4	314.7	32.0	1902.8	579.8	-587.7	825.5	0.6	
2495.0	91.2	314.7	31.0	1902.4	601.6	-609.8	856.5	3.4	
2527.0	92.2	315.4	32.0	1901.5	624.2	-632.4	888.5	4.2	
2559.0	93.0	316.3	32.0	1900.0	647.1	-654.6	920.5	2.9	
2590.0	92.5	315.8	31.0	1898.5	669.4	-676.1	951.4	1.9	
2621.0	91.8	315.5	31.0	1897.4	691.6	-697.8	982.4	2.6	
2651.0	91.4	315.1	30.0	1896.5	712.9	-718.9	1012.4	2.4	
2682.0	89.6	314.5	31.0	1896.2	734.7	-740.9	1043.4	5.9	
2713.0	89.4	314.1	31.0	1896.5	756.4	-763.0	1074.4	2.7	

Proposed Wellpath (All Depths from KB)

Target Az.	315								
D	INC	AZM	C.L.	TVD	N-S	E-W	Vertical Section	DLS	
1316.0	0.0	0.0	#REF!	1316.0	0.0	0.0	0.0		Tie IN
1416.0	10.0	315.0	100.0	1415.5	6.2	-6.1	8.7	10.0	BUILD
1516.0	20.0	315.0	100.0	1512.0	24.4	-24.4	34.5	10.0	
1616.0	30.0	315.0	100.0	1602.5	54.3	-54.2	76.7	10.0	
2743.0	88.1	313.3	30.0	1897.2	777.1	-784.7	1104.4	4.4	
2773.0	88.8	313.0	30.0	1898.0	797.6	-806.6	1134.4	2.4	
2804.0	88.7	312.9	31.0	1898.7	818.7	-829.3	1165.3	0.3	
2835.0	89.2	312.9	31.0	1899.2	839.8	-852.0	1196.3	1.9	
2866.0	89.8	313.2	31.0	1899.5	861.0	-874.7	1227.3	2.0	
2896.0	89.6	313.0	30.0	1899.7	881.5	-896.6	1257.3	0.7	
2926.0	90.3	312.9	30.0	1899.7	901.9	-918.5	1287.2	2.7	
2956.0	90.3	312.5	30.0	1899.5	922.3	-940.6	1317.2	0.7	
2986.0	90.6	312.3	30.0	1899.3	942.5	-962.7	1347.2	1.1	
3017.0	90.7	312.4	31.0	1898.9	963.4	-985.6	1378.2	3.9	
3048.0	90.9	313.6	31.0	1898.5	984.5	-1008.3	1409.1	5.5	
3079.0	90.3	315.3	31.0	1898.2	1006.2	-1030.4	1440.1	2.0	
3109.0	90.8	315.5	30.0	1897.9	1027.6	-1051.5	1470.1	2.4	
3140.0	90.8	316.0	31.0	1897.5	1049.8	-1073.1	1501.1	0.6	
3171.0	91.0	316.2	31.0	1897.0	1072.1	-1094.6	1532.1	1.7	
3201.0	91.0	315.7	30.0	1896.4	1093.7	-1115.5	1562.1	3.7	
3232.0	91.3	316.8	31.0	1895.8	1116.1	-1136.9	1593.1	1.0	
3263.0	91.3	316.8	31.0	1895.1	1138.7	-1158.1	1624.1		
3294.0	91.2	316.5	31.0	1894.4	1161.2	-1179.4	1655.0	1.0	
3324.0	90.4	315.9	30.0	1894.0	1182.9	-1200.1	1685.0	3.3	
3355.0	90.8	315.9	31.0	1893.7	1205.1	-1221.7	1716.0	1.3	
3385.0	90.9	315.8	30.0	1893.3	1226.6	-1242.6	1746.0	0.5	
3416.0	91.1	316.0	31.0	1892.7	1248.9	-1264.2	1777.0	0.9	
3447.0	91.5	316.2	31.0	1892.0	1271.2	-1285.7	1808.0	1.4	
3478.0	91.3	316.5	31.0	1891.3	1293.7	-1307.1	1839.0	1.2	
3508.0	89.7	315.4	30.0	1891.0	1315.2	-1327.9	1869.0	6.5	
3538.0	90.0	316.3	30.0	1891.1	1336.7	-1348.8	1899.0	3.2	
3569.0	90.6	316.4	31.0	1890.9	1359.2	-1370.2	1930.0	2.0	
3599.0	90.5	316.6	30.0	1890.6	1380.9	-1390.9	1959.9	0.7	
3630.0	90.1	316.4	31.0	1890.5	1403.4	-1412.2	1990.9	1.4	
3660.0	89.2	316.0	30.0	1890.6	1425.1	-1433.0	2020.9	3.3	
3690.0	89.6	315.8	30.0	1891.0	1446.6	-1453.8	2050.9	1.5	
3721.0	89.6	315.7	31.0	1891.2	1468.8	-1475.5	2081.9	0.3	
3752.0	90.1	316.1	31.0	1891.3	1491.1	-1497.0	2112.9	2.1	
3782.0	90.0	316.2	30.0	1891.2	1512.7	-1517.8	2142.9	0.5	
3812.0	90.3	316.8	30.0	1891.2	1534.5	-1538.5	2172.9	2.2	
3843.0	90.0	316.8	31.0	1891.1	1557.1	-1559.7	2203.9	1.0	
3874.0	90.1	316.5	31.0	1891.0	1579.6	-1581.0	2234.9	1.0	
3905.0	90.3	315.2	31.0	1890.9	1601.9	-1602.6	2265.9	4.2	
3935.0	90.7	315.1	30.0	1890.7	1623.1	-1623.7	2295.9	1.4	
3965.0	90.9	315.1	30.0	1890.3	1644.4	-1644.9	2325.9	0.7	
3996.0	91.1	315.3	31.0	1889.7	1666.4	-1666.7	2356.9	0.9	
4027.0	91.7	315.5	31.0	1889.0	1688.4	-1688.5	2387.8	2.0	
4058.0	92.0	316.2	31.0	1888.0	1710.7	-1710.1	2418.8	2.5	
4089.0	90.9	316.2	31.0	1887.2	1733.0	-1731.5	2449.8	3.5	
4119.0	89.6	315.5	30.0	1887.0	1754.6	-1752.4	2479.8	4.9	
4150.0	90.1	315.8	31.0	1887.1	1776.7	-1774.1	2510.8	1.9	
4181.0	90.4	316.0	31.0	1887.0	1799.0	-1795.7	2541.8	1.2	
4212.0	90.3	315.6	31.0	1886.8	1821.2	-1817.3	2572.8	1.3	
4243.0	90.5	314.6	31.0	1886.6	1843.2	-1839.2	2603.8	3.3	
4274.0	91.0	314.9	31.0	1886.2	1865.0	-1861.2	2634.8	1.9	
4305.0	91.2	315.2	31.0	1885.6	1886.9	-1883.1	2665.8	1.2	
4335.0	91.7	315.4	30.0	1884.8	1908.2	-1904.2	2695.8	1.8	
4365.0	91.8	315.0	30.0	1883.9	1929.5	-1925.3	2725.8	1.4	

Proposed Wellpath (All Depths from KB)

	Target Az.	315							
MD	INC	AZM	C.L.	TVD	N-S	E-W	Vertical Section	DLS	
1316.0	0.0	0.0	#REF!	1316.0	0.0	0.0	0.0		Tie IN
1416.0	10.0	315.0	100.0	1415.5	6.2	-6.1	8.7	10.0	BUILD
1516.0	20.0	315.0	100.0	1512.0	24.4	-24.4	34.5	10.0	
1616.0	30.0	315.0	100.0	1602.5	54.3	-54.2	76.7	10.0	
4396.0	90.5	313.6	31.0	1883.3	1951.2	-1947.5	2756.8	6.2	
4426.0	91.0	314.0	30.0	1882.9	1971.9	-1969.1	2786.7	2.1	
4457.0	90.9	314.2	31.0	1882.4	1993.5	-1991.4	2817.7	0.7	
4486.0	91.1	314.4	29.0	1881.9	2013.7	-2012.1	2846.7	1.0	
4516.0	91.4	314.9	30.0	1881.2	2034.8	-2033.5	2876.7	1.9	
4546.0	91.2	315.3	30.0	1880.5	2056.1	-2054.6	2906.7	1.5	
4576.0	89.7	314.8	30.0	1880.3	2077.3	-2075.8	2936.7	5.3	
4607.0	90.5	314.9	31.0	1880.2	2099.2	-2097.8	2967.7	2.6	
4638.0	90.7	314.7	31.0	1879.9	2121.0	-2119.8	2998.7	0.9	
4701.0	90.7	314.7	63.0	1879.1	2165.3	-2164.6	3061.7		