

Form 3160-3
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMNM100549
2. Name of Operator YATES PETROLEUM CORPORATION Contact: NAOMI G SAIZ E-Mail: NSAIZ@YATESPETROLEUM.COM		6. If Indian, Allottee or Tribe Name
3a. Address 105 SOUTH FOURTH STREET ARTESIA, NM 88210	3b. Phone No. (include area code) Ph: 575-748-4211	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 20 T26S R27E NENE 1030FNL 0015FEL 32.015617 N Lat, 104.121307 W Lon		8. Well Name and No. BLAST BLA FEDERAL 2H
		9. API Well No. 30-015-42146-00-X1
		10. Field and Pool, or Exploratory UNDESIGNATED
		11. County or Parish, and State EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original APD
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

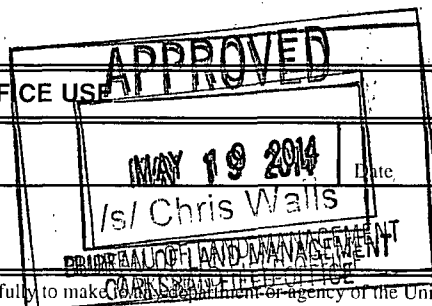
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Yates Petroleum Corporation respectfully requests to change our BHL to 440' FNL and 230' FWL in 20-26S-27E. Attached is the new signed C-102, WM and survey. The bottom 100' will not be produced and will consist of our float shoe and collar. Our bottom perf will not go beyond the 330' hardline.

Thank you.

ND 5/22/14
Accepted for record
NMOCD

14. I hereby certify that the foregoing is true and correct. Electronic Submission #246132 verified by the BLM Well Information System For YATES PETROLEUM CORPORATION, sent to the Carlsbad Committed to AFMSS for processing by CHRISTOPHER WALLS on 05/19/2014 (14CRW0272SE)	
Name (Printed/Typed) NAOMI G SAIZ	Title WELL PLANNING TECH
Signature (Electronic Submission)	Date 05/19/2014
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By _____	Title _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any statement or representation as to any matter within its jurisdiction.	



**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax: (575) 393-6720

DISTRICT II
811 S. First St., Artesia, NM 88210
Phone (575) 748-1283 Fax: (575) 748-8720

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
Property Code	Property Name BLAST BLA FEDERAL	Well Number 2H
OGRID No. 025575	Operator Name YATES PETROLEUM CORPORATION	Elevation 3249

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	20	26 S	27 E		1030	NORTH	15	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	20	26 S	27 E		440	NORTH	230	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

N: 376537.7 E: 576249.7 (NAD83) B.H. 230 <u>PROPOSED BOTTOM HOLE LOCATION</u> Lot - N 32°02'02.12" Long - W 104°13'11.71" NMSPCE- N 376097.5 E 576481.1 (NAD-83)	N: 376535.0 E: 578893.5 (NAD83) <u>SURFACE LOCATION</u> Lot - N 32°01'56.17" Long - W 104°12'13.07" NMSPCE- N 375502.5 E 581529.6 (NAD-83)	N: 376532.2 E: 581537.7 (NAD83) 3249.2 1030 3260.6 45 S.L. <u>OPERATOR CERTIFICATION</u> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unEDDysed mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <u>Cy Cowan</u> Date: <u>5/8/14</u> Printed Name: _____ Email Address: _____ <u>SURVEYOR CERTIFICATION</u> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date Surveyed: <u>SEPTEMBER 26, 2013</u> Signature & Seal of Professional Surveyor: <u>[Signature]</u> Certificate No. <u>7977</u> Scale: 0' 500' 1000' 1500' 2000' SCALE: 1" = 1000' WO Num.: 29209
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Yates Petroleum Corp.

Eddy County, NM(NAD83)

Blast "BLA" Federal

#2H

OH

Plan: Design #1

Standard Planning Report

05 May, 2014



Well Planning Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #2H
Company:	Yates Petroleum Corp.	TVD Reference:	WELL @ 3267.5usft (Original Well Elev)
Project:	Eddy County, NM(NAD83)	MD Reference:	WELL @ 3267.5usft (Original Well Elev)
Site:	Blast "BLA" Federal	North Reference:	Grid
Well:	#2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #1		

Project:	Eddy County, NM(NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site:		Blast "BLA" Federal			
Site Position:		Northing:	375,502.50 usft	Latitude:	32° 1' 56.172 N
From:	Map	Easting:	581,529.60 usft	Longitude:	104° 12' 13.072 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.07

Well:	#2H					
Well Position	+N/-S	0.0 usft	Northing:	375,502.50 usft	Latitude:	32° 1' 56.172 N
	+E/-W	0.0 usft	Easting:	581,529.60 usft	Longitude:	104° 12' 13.072 W
Position Uncertainty	0.0 usft	Wellhead Elevation:		Ground Level:	3,249.0 usft	

Wellbore:	OH
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Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2010	5/4/2014	7.51	59.83	48,145

Design:	Design #1
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Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0

Vertical Section	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	276.85

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
7,097.5	0.00	0.00	7,097.5	0.0	0.0	0.00	0.00	0.00	0.00	
7,859.5	91.40	276.85	7,575.0	58.4	-485.8	12.00	12.00	0.00	276.85	
12,355.6	91.40	276.85	7,465.2	594.5	-4,948.5	0.00	0.00	0.00	0.00	PBHL(BBF#2)
12,455.6	91.40	276.85	7,462.7	606.4	-5,047.8	0.00	0.00	0.00	0.00	



Wellplanning Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #2H
Company:	Yates Petroleum Corp	TVD Reference:	WELL @ 3267.5usft (Original Well Elev)
Project:	Eddy County, NM(NAD83)	MD Reference:	WELL @ 3267.5usft (Original Well Elev)
Site:	Blast 'BLA' Federal	North Reference:	Grid
Well:	#2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	N/S (usft)	E/W (usft)	Vertical Section (usft)	Dogleg Rate (%/100usft)	Build Rate (%/100usft)	Turn Rate (%/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00



Wellplanning Planning Report

Database	EDM 5000.1 Single User Db	Local/Co-ordinate Reference	Well #2H
Company	Yates Petroleum Corp.	TVD Reference	WELL @ 3267.5usft (Original Well Elev)
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Site	Blast "BLA" Federal	North Reference	Grid
Well	#2H	Survey Calculation Method	Minimum Curvature
Wellbore	OH		
Design	Design: #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	N/S (usft)	E/W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,097.5	0.00	0.00	7,097.5	0.0	0.0	0.0	0.00	0.00	0.00
KOP: 7097.5 MD, 0.00° INC, 0.00° AZI									
7,100.0	0.30	276.85	7,100.0	0.0	0.0	0.0	12.00	12.00	0.00
7,125.0	3.30	276.85	7,125.0	0.1	-0.8	0.8	12.00	12.00	0.00
7,150.0	6.30	276.85	7,149.9	0.3	-2.9	2.9	12.00	12.00	0.00
7,175.0	9.30	276.85	7,174.7	0.7	-6.2	6.3	12.00	12.00	0.00
7,200.0	12.30	276.85	7,199.2	1.3	-10.9	11.0	12.00	12.00	0.00
7,225.0	15.29	276.85	7,223.5	2.0	-16.8	16.9	12.00	12.00	0.00
7,250.0	18.29	276.85	7,247.4	2.9	-24.0	24.1	12.00	12.00	0.00
7,275.0	21.29	276.85	7,270.9	3.9	-32.4	32.6	12.00	12.00	0.00
7,300.0	24.29	276.85	7,294.0	5.0	-42.0	42.3	12.00	12.00	0.00
7,325.0	27.29	276.85	7,316.5	6.3	-52.8	53.2	12.00	12.00	0.00
7,350.0	30.29	276.85	7,338.4	7.8	-64.7	65.2	12.00	12.00	0.00
7,375.0	33.29	276.85	7,359.7	9.3	-77.8	78.4	12.00	12.00	0.00
7,400.0	36.29	276.85	7,380.2	11.0	-92.0	92.6	12.00	12.00	0.00
7,425.0	39.29	276.85	7,399.9	12.9	-107.2	107.9	12.00	12.00	0.00
7,450.0	42.28	276.85	7,418.9	14.8	-123.4	124.3	12.00	12.00	0.00
7,475.0	45.28	276.85	7,436.9	16.9	-140.6	141.6	12.00	12.00	0.00
7,500.0	48.28	276.85	7,454.0	19.1	-158.6	159.8	12.00	12.00	0.00
7,525.0	51.28	276.85	7,470.2	21.3	-177.6	178.9	12.00	12.00	0.00
7,550.0	54.28	276.85	7,485.3	23.7	-197.4	198.8	12.00	12.00	0.00
7,575.0	57.28	276.85	7,499.3	26.2	-217.9	219.5	12.00	12.00	0.00
7,600.0	60.28	276.85	7,512.3	28.7	-239.1	240.8	12.00	12.00	0.00
7,625.0	63.28	276.85	7,524.1	31.4	-261.0	262.9	12.00	12.00	0.00
7,650.0	66.28	276.85	7,534.8	34.0	-283.4	285.5	12.00	12.00	0.00
7,675.0	69.27	276.85	7,544.2	36.8	-306.4	308.6	12.00	12.00	0.00
7,700.0	72.27	276.85	7,552.5	39.6	-329.8	332.2	12.00	12.00	0.00
7,725.0	75.27	276.85	7,559.4	42.5	-353.7	356.2	12.00	12.00	0.00
7,750.0	78.27	276.85	7,565.2	45.4	-377.8	380.5	12.00	12.00	0.00
7,775.0	81.27	276.85	7,569.6	48.3	-402.3	405.1	12.00	12.00	0.00
7,800.0	84.27	276.85	7,572.8	51.3	-426.9	429.9	12.00	12.00	0.00
7,825.0	87.27	276.85	7,574.6	54.3	-451.6	454.9	12.00	12.00	0.00
7,850.0	90.27	276.85	7,575.1	57.2	-476.4	479.9	12.00	12.00	0.00
7,859.5	91.40	276.85	7,575.0	58.4	-485.8	489.3	12.00	12.00	0.00
EOC: 7859.5 MD, 91.40° INC, 276.85° AZI									
7,900.0	91.40	276.85	7,574.0	63.2	-526.1	529.9	0.00	0.00	0.00



Wellplanning Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #2H
Company:	Yates Petroleum Corp	TVD Reference:	WELL @ 3267.5usft (Original Well Elev)
Project:	Eddy County, NM(NAD83)	MD Reference:	WELL @ 3267.5usft (Original Well Elev)
Site:	Blast "BLA" Federal	North Reference:	Grid
Well:	#2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	N/S (usft)	E/W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,000.0	91.40	276.85	7,571.6	75.1	-625.3	629.8	0.00	0.00	0.00
8,100.0	91.40	276.85	7,569.1	87.0	-724.6	729.8	0.00	0.00	0.00
8,200.0	91.40	276.85	7,566.7	99.0	-823.8	829.8	0.00	0.00	0.00
8,300.0	91.40	276.85	7,564.2	110.9	-923.1	929.7	0.00	0.00	0.00
8,400.0	91.40	276.85	7,561.8	122.8	-1,022.4	1,029.7	0.00	0.00	0.00
8,500.0	91.40	276.85	7,559.3	134.7	-1,121.6	1,129.7	0.00	0.00	0.00
8,600.0	91.40	276.85	7,556.9	146.7	-1,220.9	1,229.6	0.00	0.00	0.00
8,700.0	91.40	276.85	7,554.5	158.6	-1,320.1	1,329.6	0.00	0.00	0.00
8,800.0	91.40	276.85	7,552.0	170.5	-1,419.4	1,429.6	0.00	0.00	0.00
8,900.0	91.40	276.85	7,549.6	182.4	-1,518.6	1,529.6	0.00	0.00	0.00
9,000.0	91.40	276.85	7,547.1	194.4	-1,617.9	1,629.5	0.00	0.00	0.00
9,100.0	91.40	276.85	7,544.7	206.3	-1,717.1	1,729.5	0.00	0.00	0.00
9,200.0	91.40	276.85	7,542.2	218.2	-1,816.4	1,829.5	0.00	0.00	0.00
9,300.0	91.40	276.85	7,539.8	230.1	-1,915.7	1,929.4	0.00	0.00	0.00
9,400.0	91.40	276.85	7,537.4	242.0	-2,014.9	2,029.4	0.00	0.00	0.00
9,500.0	91.40	276.85	7,534.9	254.0	-2,114.2	2,129.4	0.00	0.00	0.00
9,600.0	91.40	276.85	7,532.5	265.9	-2,213.4	2,229.3	0.00	0.00	0.00
9,700.0	91.40	276.85	7,530.0	277.8	-2,312.7	2,329.3	0.00	0.00	0.00
9,800.0	91.40	276.85	7,527.6	289.7	-2,411.9	2,429.3	0.00	0.00	0.00
9,900.0	91.40	276.85	7,525.1	301.7	-2,511.2	2,529.3	0.00	0.00	0.00
10,000.0	91.40	276.85	7,522.7	313.6	-2,610.5	2,629.2	0.00	0.00	0.00
10,100.0	91.40	276.85	7,520.3	325.5	-2,709.7	2,729.2	0.00	0.00	0.00
10,200.0	91.40	276.85	7,517.8	337.4	-2,809.0	2,829.2	0.00	0.00	0.00
10,300.0	91.40	276.85	7,515.4	349.4	-2,908.2	2,929.1	0.00	0.00	0.00
10,400.0	91.40	276.85	7,512.9	361.3	-3,007.5	3,029.1	0.00	0.00	0.00
10,500.0	91.40	276.85	7,510.5	373.2	-3,106.7	3,129.1	0.00	0.00	0.00
10,600.0	91.40	276.85	7,508.0	385.1	-3,206.0	3,229.0	0.00	0.00	0.00
10,700.0	91.40	276.85	7,505.6	397.1	-3,305.3	3,329.0	0.00	0.00	0.00
10,800.0	91.40	276.85	7,503.2	409.0	-3,404.5	3,429.0	0.00	0.00	0.00
10,900.0	91.40	276.85	7,500.7	420.9	-3,503.8	3,529.0	0.00	0.00	0.00
11,000.0	91.40	276.85	7,498.3	432.8	-3,603.0	3,628.9	0.00	0.00	0.00
11,100.0	91.40	276.85	7,495.8	444.7	-3,702.3	3,728.9	0.00	0.00	0.00
11,200.0	91.40	276.85	7,493.4	456.7	-3,801.5	3,828.9	0.00	0.00	0.00
11,300.0	91.40	276.85	7,490.9	468.6	-3,900.8	3,928.8	0.00	0.00	0.00
11,400.0	91.40	276.85	7,488.5	480.5	-4,000.0	4,028.8	0.00	0.00	0.00
11,500.0	91.40	276.85	7,486.1	492.4	-4,099.3	4,128.8	0.00	0.00	0.00
11,600.0	91.40	276.85	7,483.6	504.4	-4,198.6	4,228.7	0.00	0.00	0.00
11,700.0	91.40	276.85	7,481.2	516.3	-4,297.8	4,328.7	0.00	0.00	0.00
11,800.0	91.40	276.85	7,478.7	528.2	-4,397.1	4,428.7	0.00	0.00	0.00
11,900.0	91.40	276.85	7,476.3	540.1	-4,496.3	4,528.7	0.00	0.00	0.00
12,000.0	91.40	276.85	7,473.8	552.1	-4,595.6	4,628.6	0.00	0.00	0.00
12,100.0	91.40	276.85	7,471.4	564.0	-4,694.8	4,728.6	0.00	0.00	0.00
12,200.0	91.40	276.85	7,469.0	575.9	-4,794.1	4,828.6	0.00	0.00	0.00
12,300.0	91.40	276.85	7,466.5	587.8	-4,893.4	4,928.5	0.00	0.00	0.00
12,355.6	91.40	276.85	7,465.2	594.5	-4,948.5	4,984.1	0.00	0.00	0.00
PBHL(BBF#2)									
12,400.0	91.40	276.85	7,464.1	599.8	-4,992.6	5,028.5	0.00	0.00	0.00
12,455.6	91.40	276.85	7,462.7	606.4	-5,047.8	5,084.0	0.00	0.00	0.00
TD at 12455.6									



Wellplanning Planning Report

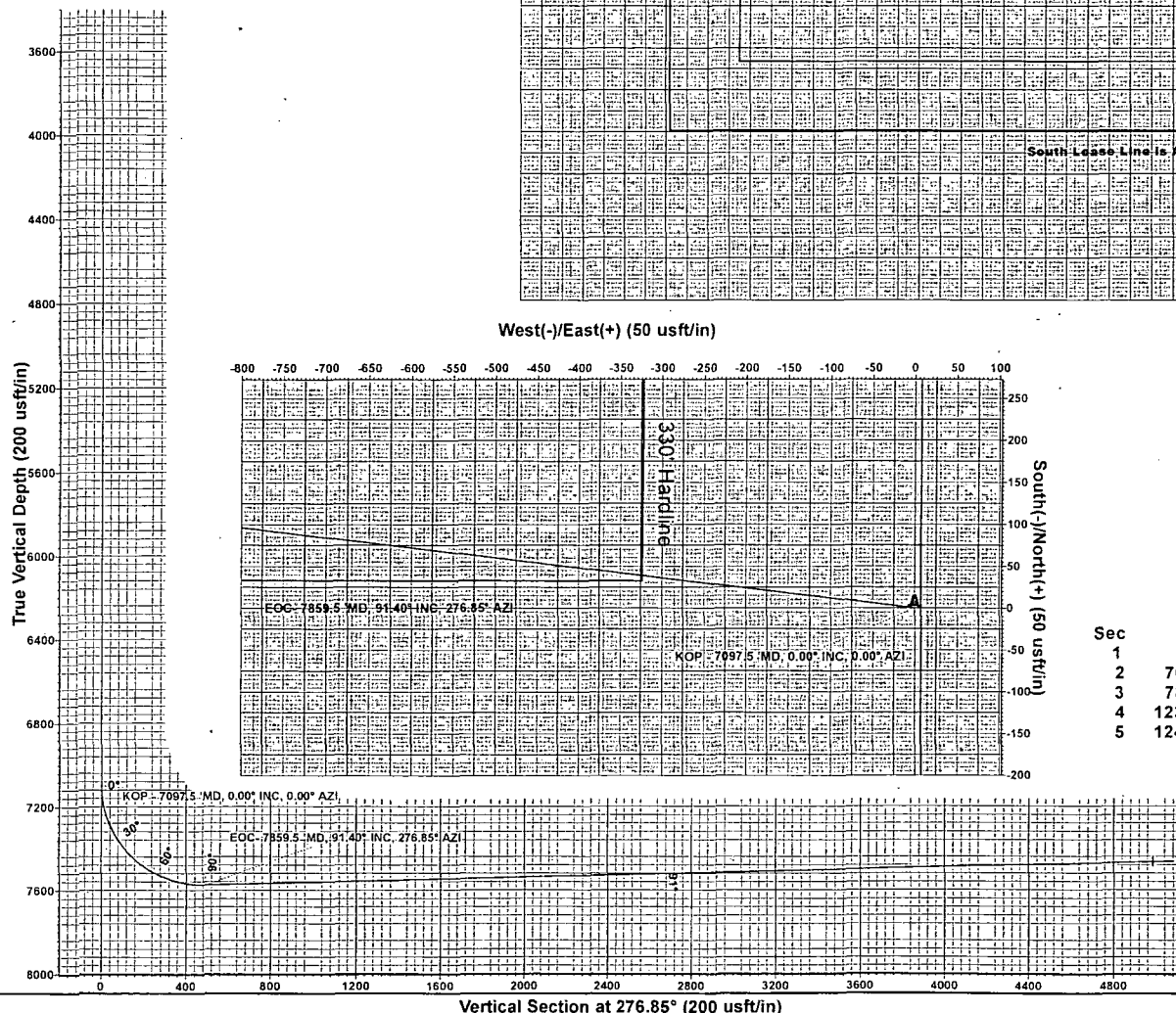
Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #2H
Company:	Yates Petroleum Corp.	TVD Reference:	WELL @ 3267.5usft (Original Well Elev)
Project:	Eddy County NM(NAD83)	MD Reference:	WELL @ 3267.5usft (Original Well Elev)
Site:	Blast "BLA" Federal	North Reference:	Grid
Well:	#2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #1		

Design Targets									
Target Name	hit/miss target	Dip Angle	Dip Dir	TVD	+N/S	+E/W	Northing	Easting	
Shape		(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	Latitude Longitude
PBHL(BBF#2)		0.00	0.00	7,465.0	594.4	-4,948.5	376,096.90	576,581.10	32° 2' 2.110 N 104° 13' 10.553 W
- plan misses target center by 0.2usft at 12355.6usft MD (7465.2 TVD, 594.5 N, -4948.5 E)									
- Point									

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/S	+E/W	
(usft)	(usft)	(usft)	(usft)	
7,097.5	7,097.5	0.0	0.0	KOP - 7097.5 'MD, 0.00° INC, 0.00° AZI
7,859.5	7,575.0	58.4	-485.8	EOC- 7859.5 'MD, 91.40° INC, 276.85° AZI
12,455.6	7,462.7	594.5	-4,948.5	TD at 12455.6



Project: Eddy County, NM(NAD83)
 Site: Blast "BLA" Federal
 Well: #2H
 Wellbore: OH
 Plan: Design #1 (#2H/OH)



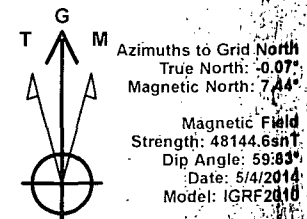
#2H
 Ground Elevation:: 3249.0
 RKB Elevation: WELL @ 3267.5usft (Original Well Elev)
 Rig Name: Original Well Elev

Longitude Northing Easting Latitude
 375502.50 581529.60 32° 1' 56.172 N 104° 12' 13.072 W

Section Details

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
2	7097.5	0.00	0.00	7097.5	0.0	0.0	0.00	0.00	0.0
3	7859.5	91.40	276.85	7575.0	58.4	-485.8	12.00	276.85	489.3
4	12355.6	91.40	276.85	7465.2	594.5	-4948.5	0.00	0.00	4984.1
5	12455.6	91.40	276.85	7462.7	606.4	-5047.8	0.00	0.00	5084.0

PBHL(BBF#2)



Terra Directional Services LLC
 322 Spring Hill Drive, Suite A300, Spring, Tx 77386
 Phone: 432-425-7532

PROJECT DETAILS: Eddy County, NM(NAD83)
 Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Eastern Zone
 System Datum: Mean Sea Level
 Local North: Grid