

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.**

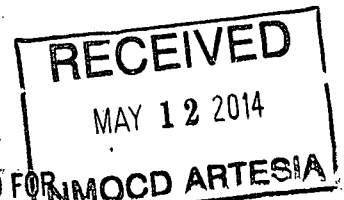
1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMNM85909
2. Name of Operator YATES PETROLEUM CORPORATION		6. If Indian, Allottee or Tribe Name
3a. Address 105 SOUTH FOURTH STREET ARTESIA, NM 88210		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 575-748-4211		8. Well Name and No. FOCUS BDB FEDERAL 1H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 31 T19S R30E NWNW Lot D 560FNL 330FWL		9. API Well No. 30-015-39421-00-X1
		10. Field and Pool, or Exploratory WILDCAT <i>Parkway, B.S.</i>
		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 A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

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 make the following well changes as per the following and the attached paperwork:
We request to change our BHL to 660' FNL and 230' FEL, 31-19S-30E. The bottom 100' will not be produced because it will consist of our float shoe and float collar. Our bottom perf will not go beyond the 330' hardline. Attached is the new signed C-102, WM and survey.

SEE ATTACHED FOR **INMOCD ARTESIA**
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #244597 verified by the BLM Well Information System For YATES PETROLEUM CORPORATION, sent to the Carlsbad Committed to AFMSS for processing by CHRISTOPHER WALLS on 05/07/2014 (14CRW0257SE)	
Name (Printed/Typed) NAOMI G SAIZ	Title WELL PLANNING TECH
Signature (Electronic Submission)	Date 05/06/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

APPROVED

Approved By _____	Title _____	Date _____
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 _____	_____

MAY 7 2014

/s/ Chris Walls

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 to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised July 16, 2010

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 30-015-39421	Pool Code 49622	Pool Name Wheat; Bone Spring
Property Code 38825	Property Name FOCUS "BDB" FEDERAL	Well Number 1H
UGRID No. 025575	Operator Name YATES PETROLEUM CORP.	Elevation 3332'

Surface Location

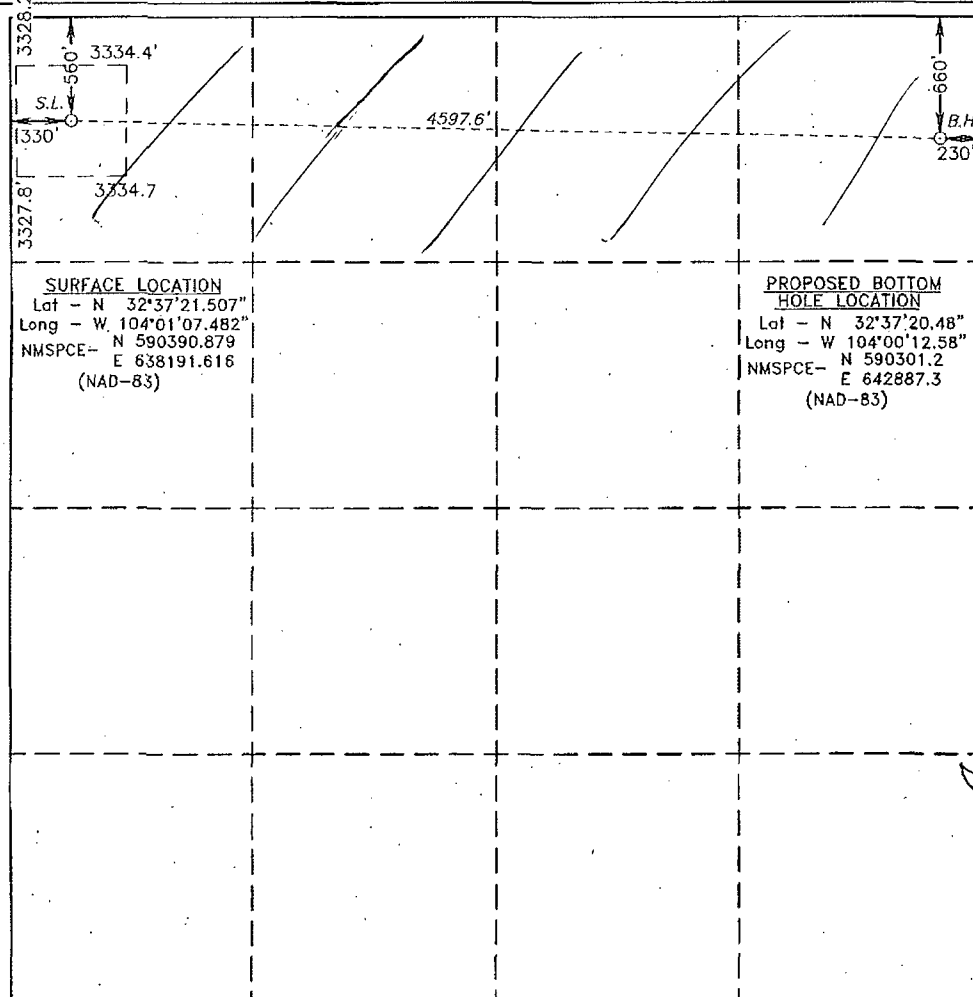
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	31	19 S	30 E	①	560	NORTH	330	WEST	EDDY

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
A	31	19 S	30 E		660	NORTH	230	EAST	EDDY

Dedicated Acres 160	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

 SURFACE LOCATION Lat - N 32°37'21.507" Long - W 104°01'07.482" NMSPCE- N 590390.879 E 638191.616 (NAD-83) PROPOSED BOTTOM HOLE LOCATION Lat - N 32°37'20.48" Long - W 104°00'12.58" NMSPCE- N 590301.2 E 642887.3 (NAD-83)	OPERATOR CERTIFICATION 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 unleased 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. <i>Cy Cowan</i> 5/5/14 Signature Date <i>Cy Cowan</i> Printed Name Email Address SURVEYOR CERTIFICATION 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. <i>GARY L. JONES</i> 2010 Date Surveyed Signature & Seal of Professional Surveyor Professional Land Surveyor Certificate No. Gary L. Jones 7977 BASIN SURVEYS 23549
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Focus BDB Federal #1H

Yates Petroleum Corporation respectfully requests to make the following changes to our approved APD as follows:

We request to remove the pilot hole from our drilling plan.

2nd Intermediate Cementing Design:

We request permission to change our 2nd intermediate cement design to include a DV/Packer stage tool as shown below to help ensure that we get cement to surface.

2nd Intermediate: Drilled with a 12 1/4" hole to 3500' with a DV/Packer stage tool at approx. 1700'-2200'. Casing weight and grade will remain the same. Cement volumes will be adjusted per tool placement.

Stage I: Lead w/300sx 35/65 PozC (YLD 2 WT 12.5, 11 gal/sk) tail w/210sx 50/50 PozC (YLD 1.34 WT 13, 6.2 gal/sk) 100% excess, TOC = 2100'

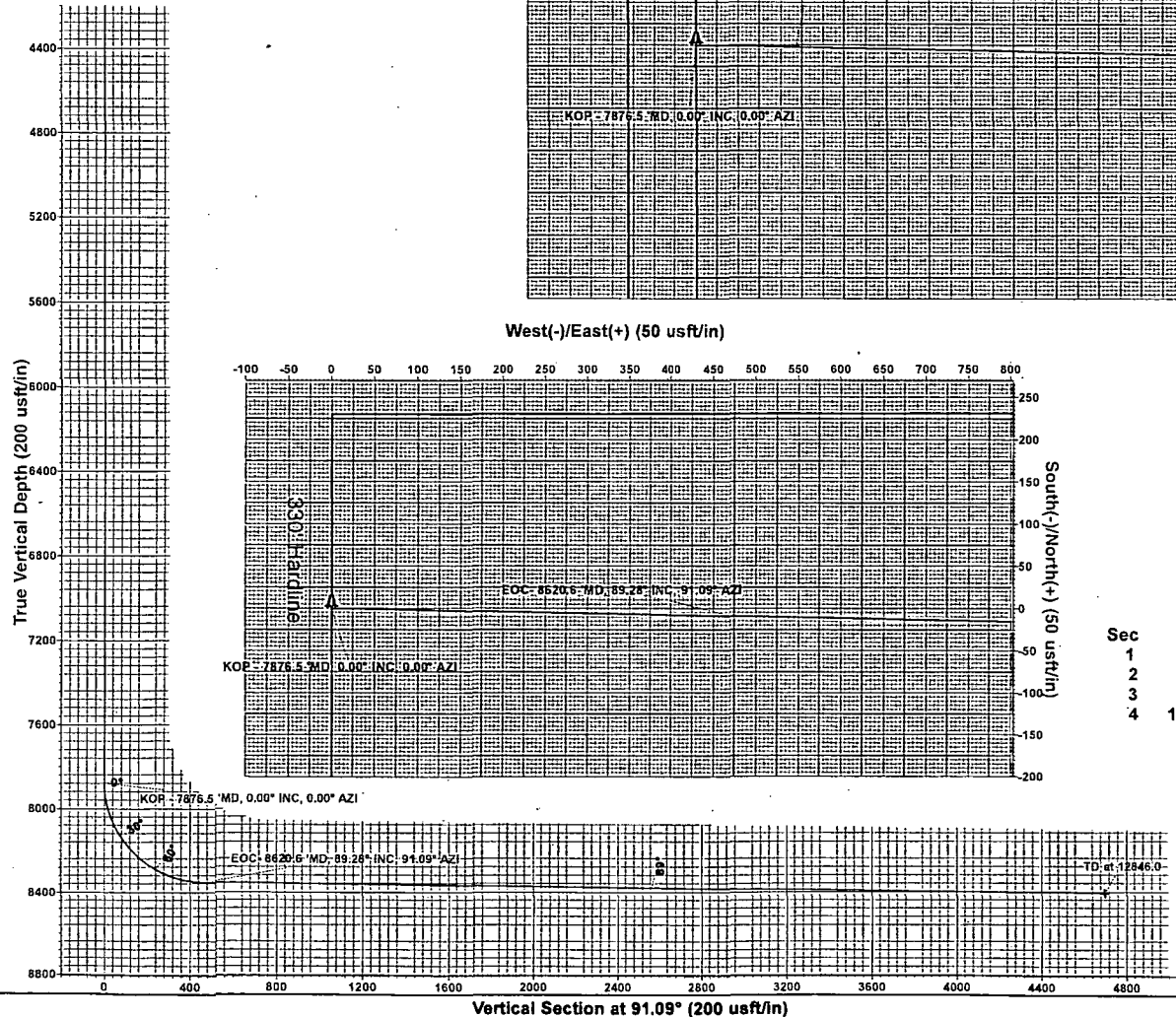
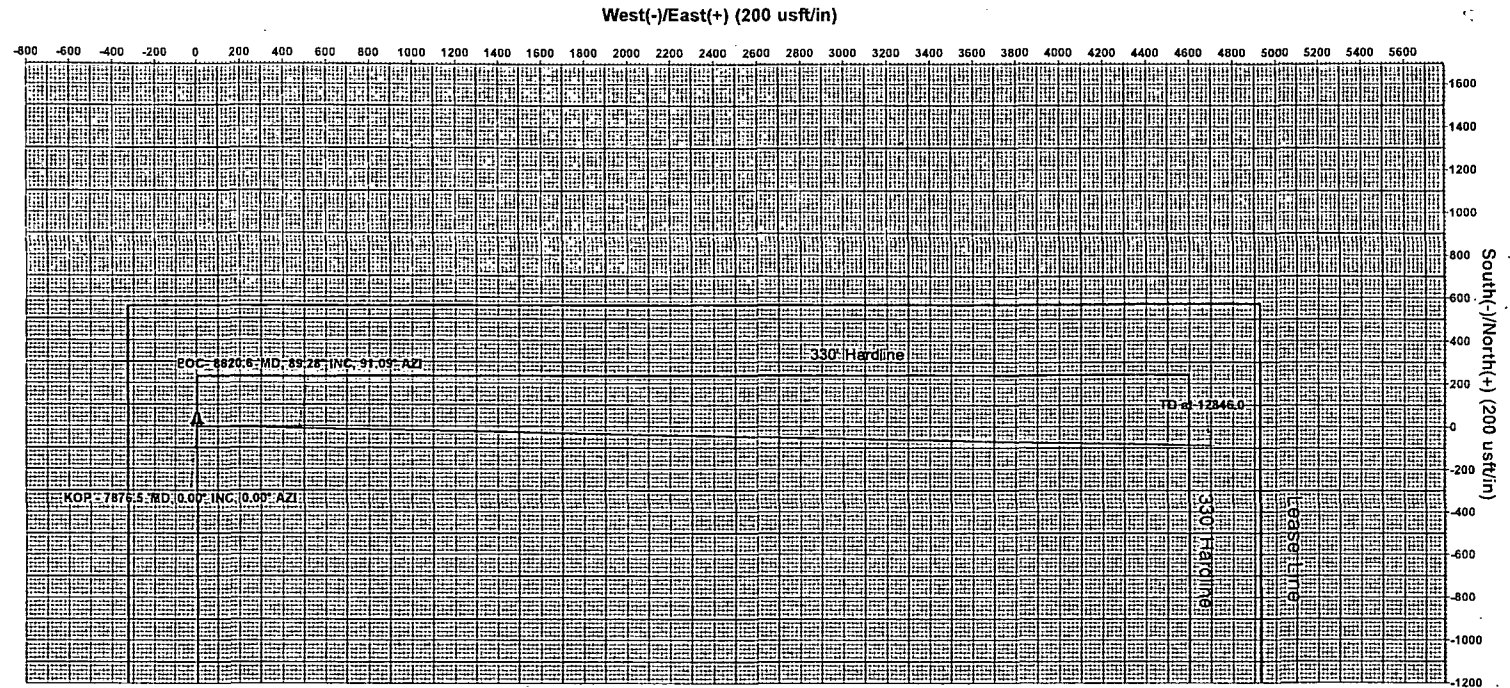
Stage II: Lead w/515sx 35/65 PozC (YLD 2 WT 12.5, 11 gal/sk) tail w/210sx 50/50 PozC (YLD 1.34 WT 14.2, 6.2 gal/sk) 100% excess, TOC=0'

Well will be drilled to 7876' and kicked off at approx. 7876' and directionally drilled at 12 degrees per 100' with an 8 3/4" hole to 8621' MD (8354' TVD). Hole size will then be reduced to 8 1/2" and drilled to 12846' MD (8407' TVD) where 5 1/2" casing will be set and cemented. Production casing will be as shown below:

0 ft to 12,846 ft		Make up Torque ft-lbs		Total ft =	12,846
O.D.	Weight	Grade	Threads opt.	min.	mx.
5.5 inches	17 #/ft	P-110	BT&C		
Collapse Resistance	Internal Yield	Joint Strength		Body Yield	Drift
7,480 psi	10,640 psi	568,000 #		546,000 #	4.767

Yates Petroleum Corp.

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

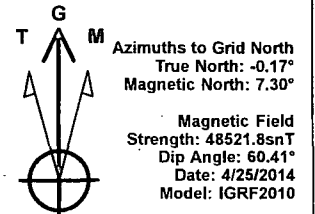


Ground Elevation:: 3332.0
RKB Elevation: WELL @ 3350.5usft (Original Well Elev)
Rig Name: Original Well Elev

Longitude Northing Easting Latitude
590390.87 638191.62 32° 37' 21.507 N 104° 1' 7.482 W

Section Details

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
2	7876.5	0.00	0.00	7876.5	0.0	0.0	0.00	0.00	0.0
3	8620.6	89.28	91.09	8354.0	-9.0	471.5	12.00	91.09	471.5
4	12846.0	89.28	91.09	8407.1	-89.3	4695.7	0.00	0.00	4696.5 PBHL(FBF#1)



Vertical Section at 91.09° (200 usft/in)

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

Yates Petroleum Corp.

Eddy County, NM(NAD83)

Focus "BDB" Federal

#1H

OH

Plan: Design #1

Standard Planning Report

28 April, 2014

Wellplanning

Planning Report

Database:	EDM,5000:1,Single User Db	Local Co-ordinate Reference:	Well #1H
Company:	Yates Petroleum Corp.	TVD Reference:	WELL @ 3350.5usft (Original Well Elev)
Project:	Eddy County, NM(NAD83)	MD Reference:	WELL @ 3350.5usft (Original Well Elev)
Site:	Focus "BDB" Federal	North Reference:	Grid
Well:	#1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #1		

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

Site:		Focus "BDB" Federal			
Site Position:		Northing:	590,390.88 usft	Latitude:	32° 37' 21.507 N
From:	Map	Easting:	638,191.62 usft	Longitude:	104° 1' 7.482 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.17 °

Well	#1H					
Well Position	+N/-S	0.0 usft	Northing:	590,390.88 usft	Latitude:	32° 37' 21.507 N
	+E/-W	0.0 usft	Easting:	638,191.62 usft	Longitude:	104° 1' 7.482 W
Position Uncertainty	0.0 usft	Wellhead Elevation:		Ground Level:	3,332.0 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2010	4/25/2014	7.47	60.41	48,522

Design:	Design #1			
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	91.09

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	
7,876.5	0.00	0.00	7,876.5	0.0	0.0	0.00	0.00	0.00	0.00	
8,620.6	89.28	91.09	8,354.0	-9.0	471.5	12.00	12.00	0.00	91.09	
12,846.0	89.28	91.09	8,407.1	-89.3	4,695.7	0.00	0.00	0.00	0.00	PBHL(FBF#1)

Wellplanning

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #1H
Company:	Yates Petroleum Corp.	TVD Reference:	WELL @ 3350.5usft (Original Well Elev)
Project:	Eddy County, NM(NAD83)	MD Reference:	WELL @ 3350.5usft (Original Well Elev)
Site:	Focus "BDB" Federal	North Reference:	Grid:
Well:	#1H	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 #1H
Company:	Yates Petroleum Corp.	TVD Reference:	WELL @ 3350.5usft (Original Well Elev)
Project:	Eddy County, NM(NAD83)	MD Reference:	WELL @ 3350.5usft (Original Well Elev)
Site:	Focus "BDB" Federal	North Reference:	Grid
Well:	#1H	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
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,876.5	0.00	0.00	7,876.5	0.0	0.0	0.0	0.00	0.00	0.00
KOP: 7876.5 MD: 0.00° INC: 0.00° AZ:									
7,900.0	2.82	91.09	7,900.0	0.0	0.6	0.6	12.00	12.00	0.00
7,925.0	5.82	91.09	7,924.9	0.0	2.5	2.5	12.00	12.00	0.00
7,950.0	8.82	91.09	7,949.7	-0.1	5.6	5.6	12.00	12.00	0.00
7,975.0	11.82	91.09	7,974.3	-0.2	10.1	10.1	12.00	12.00	0.00
8,000.0	14.82	91.09	7,998.6	-0.3	15.9	15.9	12.00	12.00	0.00
8,025.0	17.82	91.09	8,022.6	-0.4	22.9	22.9	12.00	12.00	0.00
8,050.0	20.82	91.09	8,046.2	-0.6	31.2	31.2	12.00	12.00	0.00
8,075.0	23.82	91.09	8,069.3	-0.8	40.7	40.7	12.00	12.00	0.00
8,100.0	26.82	91.09	8,091.9	-1.0	51.3	51.4	12.00	12.00	0.00
8,125.0	29.82	91.09	8,113.9	-1.2	63.2	63.2	12.00	12.00	0.00
8,150.0	32.81	91.09	8,135.3	-1.4	76.2	76.2	12.00	12.00	0.00
8,175.0	35.81	91.09	8,155.9	-1.7	90.3	90.3	12.00	12.00	0.00
8,200.0	38.81	91.09	8,175.8	-2.0	105.4	105.4	12.00	12.00	0.00
8,225.0	41.81	91.09	8,194.9	-2.3	121.6	121.6	12.00	12.00	0.00
8,250.0	44.81	91.09	8,213.1	-2.6	138.7	138.8	12.00	12.00	0.00
8,275.0	47.81	91.09	8,230.3	-3.0	156.8	156.8	12.00	12.00	0.00
8,300.0	50.81	91.09	8,246.6	-3.3	175.8	175.8	12.00	12.00	0.00
8,325.0	53.81	91.09	8,261.9	-3.7	195.5	195.6	12.00	12.00	0.00
8,350.0	56.81	91.09	8,276.1	-4.1	216.1	216.1	12.00	12.00	0.00
8,375.0	59.81	91.09	8,289.3	-4.5	237.4	237.4	12.00	12.00	0.00
8,400.0	62.81	91.09	8,301.3	-4.9	259.3	259.3	12.00	12.00	0.00
8,425.0	65.81	91.09	8,312.1	-5.4	281.8	281.9	12.00	12.00	0.00
8,450.0	68.81	91.09	8,321.7	-5.8	304.9	304.9	12.00	12.00	0.00
8,475.0	71.81	91.09	8,330.2	-6.2	328.4	328.5	12.00	12.00	0.00
8,500.0	74.81	91.09	8,337.4	-6.7	352.3	352.4	12.00	12.00	0.00
8,525.0	77.81	91.09	8,343.3	-7.2	376.6	376.7	12.00	12.00	0.00

Wellplanning Planning Report

Database:	EDM 5000.1 Single User Db	Local/Co-ordinate Reference:	Well #1H
Company:	Yates Petroleum Corp.	TVD Reference:	WELL @ 3350.5usft (Original Well Elev)
Project:	Eddy County, NM(NAD83)	MD Reference:	WELL @ 3350.5usft (Original Well Elev)
Site:	Focus "BDB" Federal	North Reference:	Grid
Well:	#1H	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)
8,550.0	80.81	91.09	8,347.9	-7.6	401.2	401.3	12.00	12.00	0.00
8,575.0	83.81	91.09	8,351.3	-8.1	425.9	426.0	12.00	12.00	0.00
8,600.0	86.81	91.09	8,353.3	-8.6	450.9	450.9	12.00	12.00	0.00
8,620.6	89.28	91.09	8,354.0	-9.0	471.5	471.5	12.00	12.00	0.00
EOC 8620.6 MD 89.28 INC 91.09 AZI									
8,700.0	89.28	91.09	8,355.0	-10.5	550.8	550.9	0.00	0.00	0.00
8,800.0	89.28	91.09	8,356.3	-12.4	650.8	650.9	0.00	0.00	0.00
8,900.0	89.28	91.09	8,357.5	-14.3	750.8	750.9	0.00	0.00	0.00
9,000.0	89.28	91.09	8,358.8	-16.2	850.7	850.9	0.00	0.00	0.00
9,100.0	89.28	91.09	8,360.0	-18.1	950.7	950.9	0.00	0.00	0.00
9,200.0	89.28	91.09	8,361.3	-20.0	1,050.7	1,050.9	0.00	0.00	0.00
9,300.0	89.28	91.09	8,362.5	-21.9	1,150.7	1,150.9	0.00	0.00	0.00
9,400.0	89.28	91.09	8,363.8	-23.8	1,250.6	1,250.9	0.00	0.00	0.00
9,500.0	89.28	91.09	8,365.1	-25.7	1,350.6	1,350.9	0.00	0.00	0.00
9,600.0	89.28	91.09	8,366.3	-27.6	1,450.6	1,450.8	0.00	0.00	0.00
9,700.0	89.28	91.09	8,367.6	-29.5	1,550.6	1,550.8	0.00	0.00	0.00
9,800.0	89.28	91.09	8,368.8	-31.4	1,650.5	1,650.8	0.00	0.00	0.00
9,900.0	89.28	91.09	8,370.1	-33.3	1,750.5	1,750.8	0.00	0.00	0.00
10,000.0	89.28	91.09	8,371.3	-35.2	1,850.5	1,850.8	0.00	0.00	0.00
10,100.0	89.28	91.09	8,372.6	-37.1	1,950.5	1,950.8	0.00	0.00	0.00
10,200.0	89.28	91.09	8,373.8	-39.0	2,050.4	2,050.8	0.00	0.00	0.00
10,300.0	89.28	91.09	8,375.1	-40.9	2,150.4	2,150.8	0.00	0.00	0.00
10,400.0	89.28	91.09	8,376.4	-42.8	2,250.4	2,250.8	0.00	0.00	0.00
10,500.0	89.28	91.09	8,377.6	-44.7	2,350.3	2,350.8	0.00	0.00	0.00
10,600.0	89.28	91.09	8,378.9	-46.6	2,450.3	2,450.8	0.00	0.00	0.00
10,700.0	89.28	91.09	8,380.1	-48.5	2,550.3	2,550.8	0.00	0.00	0.00
10,800.0	89.28	91.09	8,381.4	-50.4	2,650.3	2,650.8	0.00	0.00	0.00
10,900.0	89.28	91.09	8,382.6	-52.3	2,750.2	2,750.7	0.00	0.00	0.00
11,000.0	89.28	91.09	8,383.9	-54.2	2,850.2	2,850.7	0.00	0.00	0.00
11,100.0	89.28	91.09	8,385.2	-56.1	2,950.2	2,950.7	0.00	0.00	0.00
11,200.0	89.28	91.09	8,386.4	-58.0	3,050.2	3,050.7	0.00	0.00	0.00
11,300.0	89.28	91.09	8,387.7	-59.9	3,150.1	3,150.7	0.00	0.00	0.00
11,400.0	89.28	91.09	8,388.9	-61.8	3,250.1	3,250.7	0.00	0.00	0.00
11,500.0	89.28	91.09	8,390.2	-63.7	3,350.1	3,350.7	0.00	0.00	0.00
11,600.0	89.28	91.09	8,391.4	-65.6	3,450.1	3,450.7	0.00	0.00	0.00
11,700.0	89.28	91.09	8,392.7	-67.5	3,550.0	3,550.7	0.00	0.00	0.00
11,800.0	89.28	91.09	8,394.0	-69.4	3,650.0	3,650.7	0.00	0.00	0.00
11,900.0	89.28	91.09	8,395.2	-71.3	3,750.0	3,750.7	0.00	0.00	0.00
12,000.0	89.28	91.09	8,396.5	-73.3	3,850.0	3,850.7	0.00	0.00	0.00
12,100.0	89.28	91.09	8,397.7	-75.2	3,949.9	3,950.6	0.00	0.00	0.00
12,200.0	89.28	91.09	8,399.0	-77.1	4,049.9	4,050.6	0.00	0.00	0.00
12,300.0	89.28	91.09	8,400.2	-79.0	4,149.9	4,150.6	0.00	0.00	0.00
12,400.0	89.28	91.09	8,401.5	-80.9	4,249.9	4,250.6	0.00	0.00	0.00
12,500.0	89.28	91.09	8,402.7	-82.8	4,349.8	4,350.6	0.00	0.00	0.00
12,600.0	89.28	91.09	8,404.0	-84.7	4,449.8	4,450.6	0.00	0.00	0.00
12,700.0	89.28	91.09	8,405.3	-86.6	4,549.8	4,550.6	0.00	0.00	0.00
12,800.0	89.28	91.09	8,406.5	-88.5	4,649.8	4,650.6	0.00	0.00	0.00
12,845.9	89.28	91.09	8,407.1	-89.3	4,695.7	4,696.5	0.00	0.00	0.00
TD at 12846.0 - PBHL(FBF#1)									

Wellplanning

Planning Report

Database:	EDM 5000.1; Single User Db	Local Co-ordinate Reference:	Well #1H
Company:	Yates Petroleum Corp.	TVD Reference:	WELL @ 3350.5usft (Original Well Elev)
Project:	Eddy County, NM(NAD83)	MD Reference:	WELL @ 3350.5usft (Original Well Elev)
Site:	Focus "BDB" Federal	North Reference:	Grid
Well:	#1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #1		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
PBHL(FBF#1)	0.00	0.00	8,407.0	-89.7	4,695.7	590,301.20	642,887.30	32° 37' 20.479 N	104° 0' 12.579 W
- plan misses target center by 0.3usft at 12845.9usft MD (8407.1 TVD, -89.3 N, 4695.7 E)									
- Point									

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	
7,876.5	7,876.5	0.0	0.0	KOP - 7876.5 'MD, 0.00° INC, 0.00° AZI
8,620.6	8,354.0	-9.0	471.5	EOC - 8620.6 'MD, 89.28° INC, 91.09° AZI
12,846.0	8,407.1	-89.3	4,695.7	TD at 12846.0

Conditions of Approval

DV tool to be set between 1700-2200'

1. The minimum required fill of cement behind the **9-5/8** inch 2nd intermediate casing is:
 - a. First stage to DV tool:
 - ☒ Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job. Operator should have plans as to how they will achieve circulation on the next stage.
 - b. Second stage above DV tool:
 - ☒ Cement to surface. If cement does not circulate, contact the appropriate BLM office.