

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505
RECEIVED
FEB 25 2013
HOBBS CO

Form C-103
Revised August 1, 2011

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-40573
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator Yates Petroleum Corporation		6. State Oil & Gas Lease No. VB-3900/VB-1385/VB-1870
3. Address of Operator 105 S. Fourth St., Artesia, NM 88210		7. Lease Name or Unit Agreement Name Boston BSN State Com.
4. Well Location Unit Letter <u>E</u> : <u>2680</u> feet from the <u>S</u> line and <u>660</u> feet from the <u>W</u> line Section <u>6</u> Township <u>21S</u> Range <u>34E</u> NMPM County <u>Lea</u>		8. Well Number: #1H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3667		9. OGRID Number 25575
		10. Pool name or Wildcat 3 rd Bone Spring/Wildcat

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Yates Petroleum Corporation is requesting to change the target zone from the 2nd Bone Springs to the 3rd Bone Springs. The TVD was 10865' and it is now 11716', the TD was 15546' and it is now 16358'.

Spud Date: 3/4/2013

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [Signature] TITLE Land Regulatory Agent DATE 02/22/2012

Type or print name Travis Hahn E-mail address: thahn@yatespetroleum.com PHONE: 575-748-4120

For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE MAR 01 2013
Conditions of Approval (if any):

MAR 04 2013

Yates Petroleum

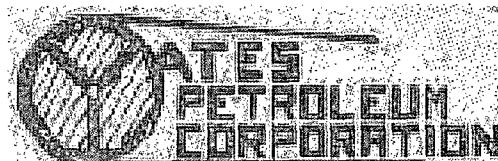
**Eddy, NM (NAD-83)
Boston BSN State Com
#1H**

OH

Plan: Plan #2

Standard Planning Report

19 February, 2013



Planning Report



Database:	Houston R5000 Database	Local Co-ordinate Reference:	Well #1H
Company:	Yates Petroleum	TVD Reference:	WELL @ 3766.0usft (Cactus #124 - 25' KB)
Project:	Eddy, NM (NAD-83)	MD Reference:	WELL @ 3766.0usft (Cactus #124 - 25' KB)
Site:	Boston BSN State Com	North Reference:	Grid
Well:	#1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Project	Eddy, NM (NAD-83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Boston BSN State Com		
Site Position:		Northing:	549,490.92 usft
From:	Map	Easting:	793,476.18 usft
Position Uncertainty:	2.0 usft	Slot Radius:	8-3/4 "
		Grid Convergence:	0.44 °

Well	#1H		
Well Position	+N/-S	0.0 usft	Latitude: 32° 30' 28.627 N
	+E/-W	0.0 usft	Longitude: 103° 30' 55.519 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level: 3,741.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2/7/2013	7.38	60.42	48,626

Design	Plan #2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	179.56

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	
11,093.8	0.00	0.00	11,093.8	0.0	0.0	0.00	0.00	0.00	0.00	
11,828.5	88.17	179.56	11,571.0	-462.2	3.5	12.00	12.00	0.00	179.56	
16,357.7	88.17	179.56	11,715.6	-4,988.9	38.3	0.00	0.00	0.00	0.00	PBHL (B#1H)

Planning Report



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Site:	Boston BSN State Com	North Reference:	Grid
Well:	#1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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
1,802.0	0.00	0.00	1,802.0	0.0	0.0	0.0	0.00	0.00	0.00
Rustler									
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,932.0	0.00	0.00	1,932.0	0.0	0.0	0.0	0.00	0.00	0.00
T of Salt									
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
3,692.0	0.00	0.00	3,692.0	0.0	0.0	0.0	0.00	0.00	0.00
B of Salt / Tansill									
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
3,805.0	0.00	0.00	3,805.0	0.0	0.0	0.0	0.00	0.00	0.00
Yates									
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
4,098.0	0.00	0.00	4,098.0	0.0	0.0	0.0	0.00	0.00	0.00
Capitan									
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

Planning Report



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Site:	Boston BSN State Com	North Reference:	Grid
Well:	#1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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)
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
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
5,754.0	0.00	0.00	5,754.0	0.0	0.0	0.0	0.00	0.00	0.00
T Delaware / Cherry Cnyn									
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
6,836.0	0.00	0.00	6,836.0	0.0	0.0	0.0	0.00	0.00	0.00
Brushy Cnyn									
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
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00
8,636.0	0.00	0.00	8,636.0	0.0	0.0	0.0	0.00	0.00	0.00
BSPG LM									
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00
8,831.0	0.00	0.00	8,831.0	0.0	0.0	0.0	0.00	0.00	0.00
Avalon Sand									

Planning Report



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Project:	Eddy, NM (NAD-83)	MD Reference:	WELL @ 3766.0usft (Cactus #124 - 25' KB)
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Well:	#1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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)
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00
9,000.0	0.00	0.00	9,000.0	0.0	0.0	0.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,100.0	0.0	0.0	0.0	0.00	0.00	0.00
9,146.0	0.00	0.00	9,146.0	0.0	0.0	0.0	0.00	0.00	0.00
Middle Avalon									
9,200.0	0.00	0.00	9,200.0	0.0	0.0	0.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,300.0	0.0	0.0	0.0	0.00	0.00	0.00
9,356.0	0.00	0.00	9,356.0	0.0	0.0	0.0	0.00	0.00	0.00
Lower Avalon									
9,400.0	0.00	0.00	9,400.0	0.0	0.0	0.0	0.00	0.00	0.00
9,500.0	0.00	0.00	9,500.0	0.0	0.0	0.0	0.00	0.00	0.00
9,600.0	0.00	0.00	9,600.0	0.0	0.0	0.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,700.0	0.0	0.0	0.0	0.00	0.00	0.00
9,771.0	0.00	0.00	9,771.0	0.0	0.0	0.0	0.00	0.00	0.00
1st BSPG S									
9,800.0	0.00	0.00	9,800.0	0.0	0.0	0.0	0.00	0.00	0.00
9,900.0	0.00	0.00	9,900.0	0.0	0.0	0.0	0.00	0.00	0.00
10,000.0	0.00	0.00	10,000.0	0.0	0.0	0.0	0.00	0.00	0.00
10,100.0	0.00	0.00	10,100.0	0.0	0.0	0.0	0.00	0.00	0.00
10,200.0	0.00	0.00	10,200.0	0.0	0.0	0.0	0.00	0.00	0.00
10,300.0	0.00	0.00	10,300.0	0.0	0.0	0.0	0.00	0.00	0.00
10,400.0	0.00	0.00	10,400.0	0.0	0.0	0.0	0.00	0.00	0.00
10,500.0	0.00	0.00	10,500.0	0.0	0.0	0.0	0.00	0.00	0.00
10,506.0	0.00	0.00	10,506.0	0.0	0.0	0.0	0.00	0.00	0.00
2nd BSPG S									
10,600.0	0.00	0.00	10,600.0	0.0	0.0	0.0	0.00	0.00	0.00
10,700.0	0.00	0.00	10,700.0	0.0	0.0	0.0	0.00	0.00	0.00
10,776.0	0.00	0.00	10,776.0	0.0	0.0	0.0	0.00	0.00	0.00
B.2nd BSPG S									
10,800.0	0.00	0.00	10,800.0	0.0	0.0	0.0	0.00	0.00	0.00
10,900.0	0.00	0.00	10,900.0	0.0	0.0	0.0	0.00	0.00	0.00
11,000.0	0.00	0.00	11,000.0	0.0	0.0	0.0	0.00	0.00	0.00
11,093.8	0.00	0.00	11,093.8	0.0	0.0	0.0	0.00	0.00	0.00
KOP: 11093.8' MD, 11093.8' TVD									
11,100.0	0.74	179.56	11,100.0	0.0	0.0	0.0	12.00	12.00	0.00
11,125.0	3.74	179.56	11,125.0	-1.0	0.0	1.0	12.00	12.00	0.00
11,150.0	6.74	179.56	11,149.9	-3.3	0.0	3.3	12.00	12.00	0.00
11,175.0	9.74	179.56	11,174.6	-6.9	0.1	6.9	12.00	12.00	0.00
11,200.0	12.74	179.56	11,199.1	-11.8	0.1	11.8	12.00	12.00	0.00
11,225.0	15.74	179.56	11,223.4	-17.9	0.1	17.9	12.00	12.00	0.00
11,250.0	18.74	179.56	11,247.2	-25.3	0.2	25.3	12.00	12.00	0.00
11,275.0	21.74	179.56	11,270.7	-34.0	0.3	34.0	12.00	12.00	0.00
11,300.0	24.75	179.56	11,293.6	-43.8	0.3	43.8	12.00	12.00	0.00
11,325.0	27.75	179.56	11,316.1	-54.9	0.4	54.9	12.00	12.00	0.00
11,350.0	30.75	179.56	11,337.9	-67.1	0.5	67.1	12.00	12.00	0.00
11,375.0	33.75	179.56	11,359.0	-80.4	0.6	80.4	12.00	12.00	0.00
11,400.0	36.75	179.56	11,379.4	-94.9	0.7	94.9	12.00	12.00	0.00
11,425.0	39.75	179.56	11,399.1	-110.3	0.8	110.3	12.00	12.00	0.00
11,450.0	42.75	179.56	11,417.9	-126.8	1.0	126.8	12.00	12.00	0.00
11,475.0	45.75	179.56	11,435.8	-144.3	1.1	144.3	12.00	12.00	0.00
11,500.0	48.75	179.56	11,452.7	-162.6	1.2	162.6	12.00	12.00	0.00
11,525.0	51.75	179.56	11,468.7	-181.8	1.4	181.8	12.00	12.00	0.00
11,550.0	54.75	179.56	11,483.7	-201.9	1.6	201.9	12.00	12.00	0.00

Planning Report



Database:	Houston R5000 Database	Local Co-ordinate Reference:	Well #1H
Company:	Yates Petroleum	TVD Reference:	WELL @ 3766.0usft (Cactus #124 - 25' KB)
Project:	Eddy, NM (NAD-83)	MD Reference:	WELL @ 3766.0usft (Cactus #124 - 25' KB)
Site:	Boston BSN State Com	North Reference:	Grid
Well:	#1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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)
11,575.0	57.75	179.56	11,497.6	-222.6	1.7	222.6	12.00	12.00	0.00
11,600.0	60.75	179.56	11,510.4	-244.1	1.9	244.1	12.00	12.00	0.00
11,625.0	63.75	179.56	11,522.0	-266.2	2.0	266.3	12.00	12.00	0.00
11,650.0	66.75	179.56	11,532.5	-288.9	2.2	289.0	12.00	12.00	0.00
11,675.0	69.75	179.56	11,541.7	-312.2	2.4	312.2	12.00	12.00	0.00
11,700.0	72.75	179.56	11,549.8	-335.8	2.6	335.8	12.00	12.00	0.00
11,725.0	75.75	179.56	11,556.5	-359.9	2.8	359.9	12.00	12.00	0.00
11,750.0	78.75	179.56	11,562.1	-384.3	3.0	384.3	12.00	12.00	0.00
11,775.0	81.75	179.56	11,566.3	-408.9	3.1	408.9	12.00	12.00	0.00
11,800.0	84.75	179.56	11,569.2	-433.7	3.3	433.7	12.00	12.00	0.00
11,825.0	87.75	179.56	11,570.9	-458.7	3.5	458.7	12.00	12.00	0.00
11,828.5	88.17	179.56	11,571.0	-462.2	3.5	462.2	12.00	12.00	0.00
EOC - 11828.5' MD, 11571.0' TVD, 88.17° INC, 462.2' VS									
11,900.0	88.17	179.56	11,573.3	-533.6	4.1	533.6	0.00	0.00	0.00
12,000.0	88.17	179.56	11,576.5	-633.6	4.9	633.6	0.00	0.00	0.00
12,100.0	88.17	179.56	11,579.7	-733.5	5.6	733.5	0.00	0.00	0.00
12,200.0	88.17	179.56	11,582.9	-833.5	6.4	833.5	0.00	0.00	0.00
12,300.0	88.17	179.56	11,586.1	-933.4	7.2	933.4	0.00	0.00	0.00
12,400.0	88.17	179.56	11,589.2	-1,033.4	7.9	1,033.4	0.00	0.00	0.00
12,500.0	88.17	179.56	11,592.4	-1,133.3	8.7	1,133.3	0.00	0.00	0.00
12,600.0	88.17	179.56	11,595.6	-1,233.2	9.5	1,233.3	0.00	0.00	0.00
12,700.0	88.17	179.56	11,598.8	-1,333.2	10.2	1,333.2	0.00	0.00	0.00
12,800.0	88.17	179.56	11,602.0	-1,433.1	11.0	1,433.2	0.00	0.00	0.00
12,900.0	88.17	179.56	11,605.2	-1,533.1	11.8	1,533.1	0.00	0.00	0.00
13,000.0	88.17	179.56	11,608.4	-1,633.0	12.5	1,633.1	0.00	0.00	0.00
13,100.0	88.17	179.56	11,611.6	-1,733.0	13.3	1,733.0	0.00	0.00	0.00
13,200.0	88.17	179.56	11,614.8	-1,832.9	14.1	1,833.0	0.00	0.00	0.00
13,300.0	88.17	179.56	11,618.0	-1,932.9	14.8	1,932.9	0.00	0.00	0.00
13,400.0	88.17	179.56	11,621.2	-2,032.8	15.6	2,032.9	0.00	0.00	0.00
13,500.0	88.17	179.56	11,624.4	-2,132.8	16.4	2,132.8	0.00	0.00	0.00
13,600.0	88.17	179.56	11,627.6	-2,232.7	17.1	2,232.8	0.00	0.00	0.00
13,700.0	88.17	179.56	11,630.8	-2,332.7	17.9	2,332.7	0.00	0.00	0.00
13,800.0	88.17	179.56	11,634.0	-2,432.6	18.7	2,432.7	0.00	0.00	0.00
13,900.0	88.17	179.56	11,637.2	-2,532.5	19.4	2,532.6	0.00	0.00	0.00
14,000.0	88.17	179.56	11,640.3	-2,632.5	20.2	2,632.6	0.00	0.00	0.00
14,100.0	88.17	179.56	11,643.5	-2,732.4	21.0	2,732.5	0.00	0.00	0.00
14,200.0	88.17	179.56	11,646.7	-2,832.4	21.8	2,832.5	0.00	0.00	0.00
14,300.0	88.17	179.56	11,649.9	-2,932.3	22.5	2,932.4	0.00	0.00	0.00
14,400.0	88.17	179.56	11,653.1	-3,032.3	23.3	3,032.4	0.00	0.00	0.00
14,500.0	88.17	179.56	11,656.3	-3,132.2	24.1	3,132.3	0.00	0.00	0.00
14,600.0	88.17	179.56	11,659.5	-3,232.2	24.8	3,232.3	0.00	0.00	0.00
14,700.0	88.17	179.56	11,662.7	-3,332.1	25.6	3,332.2	0.00	0.00	0.00
14,800.0	88.17	179.56	11,665.9	-3,432.1	26.4	3,432.2	0.00	0.00	0.00
14,900.0	88.17	179.56	11,669.1	-3,532.0	27.1	3,532.1	0.00	0.00	0.00
15,000.0	88.17	179.56	11,672.3	-3,632.0	27.9	3,632.1	0.00	0.00	0.00
15,100.0	88.17	179.56	11,675.5	-3,731.9	28.7	3,732.0	0.00	0.00	0.00
15,200.0	88.17	179.56	11,678.7	-3,831.8	29.4	3,832.0	0.00	0.00	0.00
15,300.0	88.17	179.56	11,681.9	-3,931.8	30.2	3,931.9	0.00	0.00	0.00
15,400.0	88.17	179.56	11,685.1	-4,031.7	31.0	4,031.9	0.00	0.00	0.00
15,500.0	88.17	179.56	11,688.2	-4,131.7	31.7	4,131.8	0.00	0.00	0.00
15,600.0	88.17	179.56	11,691.4	-4,231.6	32.5	4,231.8	0.00	0.00	0.00
15,700.0	88.17	179.56	11,694.6	-4,331.6	33.3	4,331.7	0.00	0.00	0.00
15,800.0	88.17	179.56	11,697.8	-4,431.5	34.0	4,431.7	0.00	0.00	0.00
15,900.0	88.17	179.56	11,701.0	-4,531.5	34.8	4,531.6	0.00	0.00	0.00

Planning Report



Database:	Houston R5000 Database	Local Co-ordinate Reference:	Well #1H
Company:	Yates Petroleum	TVD Reference:	WELL @ 3766.0usft (Cactus #124 - 25' KB)
Project:	Eddy, NM (NAD-83)	MD Reference:	WELL @ 3766.0usft (Cactus #124 - 25' KB)
Site:	Boston BSN State Com	North Reference:	Grid
Well:	#1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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)
16,000.0	88.17	179.56	11,704.2	-4,631.4	35.6	4,631.6	0.00	0.00	0.00
16,100.0	88.17	179.56	11,707.4	-4,731.4	36.3	4,731.5	0.00	0.00	0.00
16,200.0	88.17	179.56	11,710.6	-4,831.3	37.1	4,831.4	0.00	0.00	0.00
16,300.0	88.17	179.56	11,713.8	-4,931.3	37.9	4,931.4	0.00	0.00	0.00
16,357.7	88.17	179.56	11,715.6	-4,988.9	38.3	4,989.1	0.00	0.00	0.00
TD @ 16357.7' MD, 11715.6' TVD									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL (B#1H)	0.00	0.00	11,716.0	-4,988.9	38.3	544,501.99	793,514.49	32° 29' 39.261 N	103° 30' 55.518 W
- plan misses target center by 0.4usft at 16357.7usft MD (11715.6 TVD, -4988.9 N, 38.3 E)									
- Point									

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,802.0	1,802.0	Rustler		1.33	179.56	
1,932.0	1,932.0	T of Salt		1.33	179.56	
3,692.0	3,692.0	B of Salt / Tansill		1.33	179.56	
3,805.0	3,805.0	Yates		1.33	179.56	
4,098.0	4,098.0	Capitan		1.33	179.56	
5,754.0	5,754.0	T Delaware / Cherry Cnyn		1.33	179.56	
6,836.0	6,836.0	Brushy Cnyn		1.33	179.56	
8,636.0	8,636.0	BSPG LM		1.33	179.56	
8,831.0	8,831.0	Avalon Sand		1.33	179.56	
9,146.0	9,146.0	Middle Avalon		1.33	179.56	
9,356.0	9,356.0	Lower Avalon		1.33	179.56	
9,771.0	9,771.0	1st BSPG S		1.33	179.56	
10,506.0	10,506.0	*2nd BSPG S*		1.33	179.56	
10,776.0	10,776.0	*B 2nd BSPG S*		1.33	179.56	

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,093.8	11,093.8	0.0	0.0	KOP - 11093.8' MD, 11093.8' TVD
11,828.5	11,571.0	-462.2	3.5	EOC - 11828.5' MD, 11571.0' TVD, 88.17° INC, 462.2' VS
16,357.7	11,715.6	-4,988.9	38.3	TD @ 16357.7' MD, 11715.6' TVD



Yates Petroleum
Project: Eddy, NM (NAD-83)
Site: Boston BSN State Com
Well: #1H
Wellbore: OH
Plan: Plan #2 (#1H/OH)

WELL DETAILS: #1H

Ground Elevation:: 3741.0
RKB Elevation: WELL @ 3766.0usft (Cactus #124 - 25' KB)
Rig Name: Cactus #124 - 25' KB

Surface Hole Location
Northing Easting Latitude Longitude
549490.92 793476.19 32° 30' 28.627 N 103° 30' 55.519 W



Azimuths to Grid North
True North: -0.44°
Magnetic North: 6.94°

Magnetic Field
Strength: 48626.1snT
Dip Angle: 60.42°
Date: 2/7/2013
Model: IGRF2010

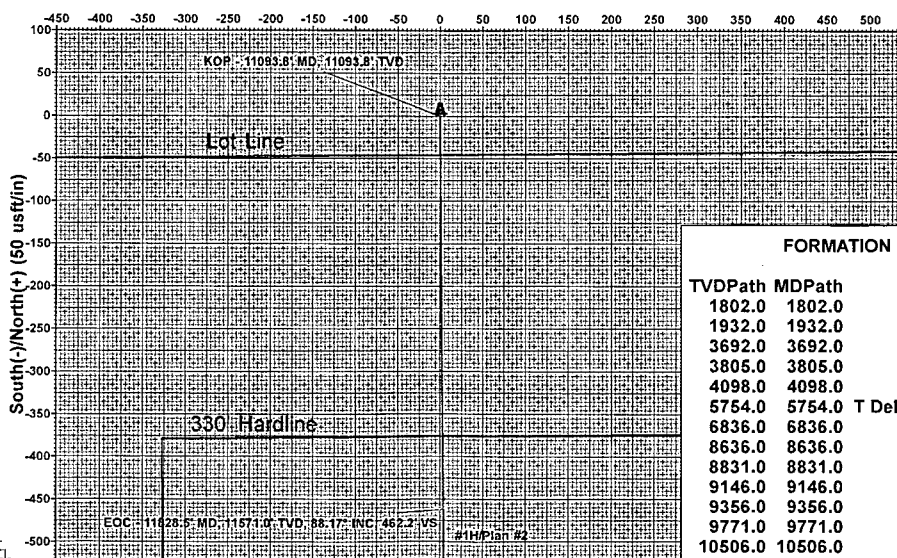
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting
PBHL (B#1H)	11716.0	-4988.9	38.3	544501.99	793514.50

Section Details

	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	11093.8	0.00	0.00	11093.8	0.0	0.0	0.00	0.00	0.0	
3	11828.5	88.17	179.56	11571.0	-462.2	3.5	12.00	179.56	462.2	
4	16357.7	88.17	179.56	11715.6	-4988.9	38.3	0.00	0.00	4989.1	PBHL (B#1H)

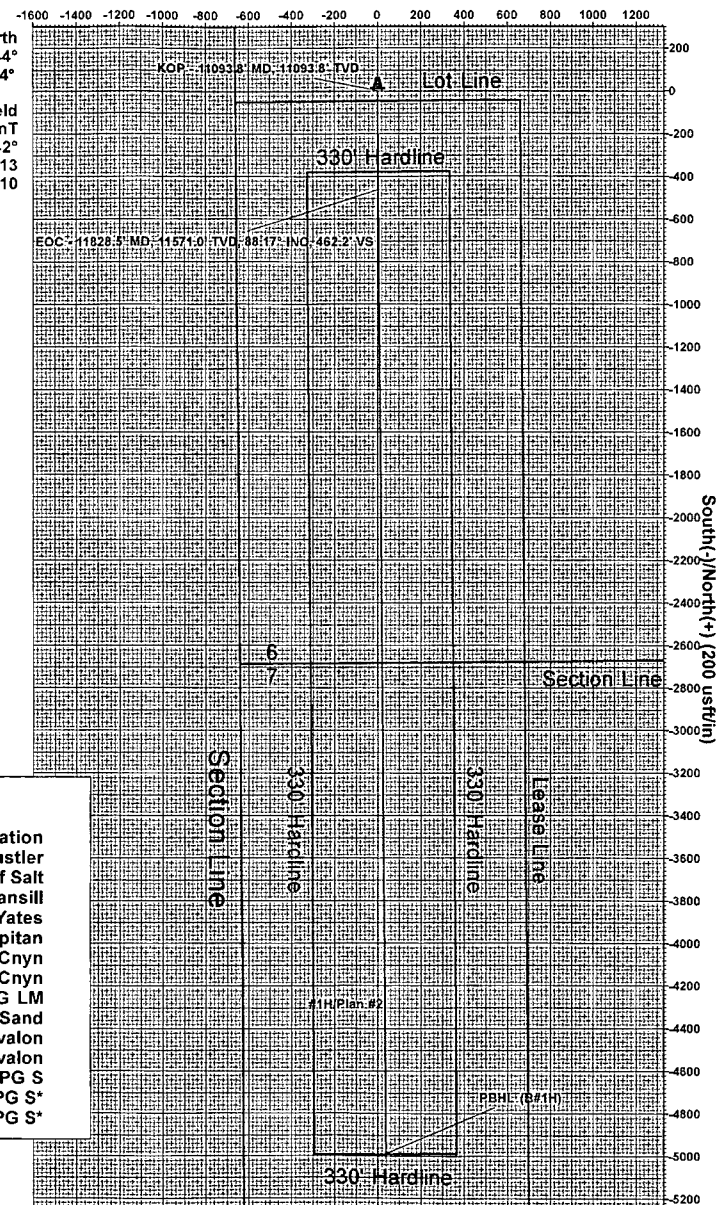
West(-)/East(+) (50 usft/in)



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1802.0	1802.0	Rustler
1932.0	1932.0	T of Salt
3692.0	3692.0	B of Salt / Tansill
3805.0	3805.0	Yates
4098.0	4098.0	Capitan
5754.0	5754.0	T Delaware / Cherry Cyn
6836.0	6836.0	Brushy Cyn
8636.0	8636.0	BSPG LM
8831.0	8831.0	Avalon Sand
9146.0	9146.0	Middle Avalon
9356.0	9356.0	Lower Avalon
9771.0	9771.0	1st BSPG S
10506.0	10506.0	*2nd BSPG S*
10776.0	10776.0	*B 2nd BSPG S*

West(-)/East(+) (200 usft/in)



PROJECT DETAILS: Eddy, NM (NAD-83)
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



Crescent Directional Drilling
7715 West Industrial Ave. Midland, Tx 79706
Phone: 432-618-1135

Plan: Plan #2 (#1H/OH)
Created By: Matt Higgins Date: 16:37, February 19 2013