

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTSEP 17 2008
OCD-ARTESIAFORM APPROVED
OMB NO 1004-0137
Expires July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other						5 Lease Serial No. NM-10266			
b Type of Completion. ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff Resvr.						6 If Indian, Allottee or Tribe Name			
Other: _____									
2 Name of Operator Yates Petroleum Corporation						7. Unit or CA Agreement Name and No.			
3 Address 105 S. 4th Str., Artesia, NM 88210			3a Phone No (include area code) 575-748-1471			8 Lease Name and Well No Terry FU Com #6H			
4 Location of Well (Report location clearly and in accordance with Federal requirements)* At Surface 760'FNL & 660'FEL (Unit A, NENE) At top prod. Interval reported below BHL 824'FNL & 709'FWL (Unit D, NWNW)						9 API Well No. 30-015-35624 10. Field and Pool or Exploratory Cottonwood Creek; Wolfcamp 11 Sec., T., R., M., on Block and Survey or Area Section 21-T16S-R25E 12 County or Parish 13. State Eddy New Mexico			
14. Date Spudded RH 7/15/08 RT 7/18/08		15 Date T D Reached 8/10/08		16 Date Completed ☐ D & A ☒ Ready to Prod 9/7/08		17. Elevations (DF,RKB,RT,GL)* 3511'GL 3522'KB			
18. Total Depth MD 8680' TVD 5038'		19 Plug Back T D.. MD 8670' TVD NA		20 Depth Bridge Plug Set. MD NA TVD NA					
21 Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL, Hi-Res Laterolog Array, CBL				22 Was Well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit report) Directional Survey? ☐ No ☒ Yes (Submit copy) (Attached)					
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom(MD)	State Cementer Depth	No. of Skis & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
	16"	Cond.	Surface	80'		Redi-mix		Surface	
12-1/4"	8-5/8"	24#	Surface	1100'		1265 sx		Surface	
7-7/8"	5-1/2"	17#	Surface	8680'		1060 sx		Surface	
24 Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-7/8"	4514'								
25 Producing Intervals					26 Perforation Record				
Formation		Top		Bottom		Perforated Interval	Size	No Holes	Perf Status
A) Wolfcamp		5315'		8645'					
B)						SEE ATTACHED SHEET			
C)									
D)									
27 Acid, Fracture, Treatment, Cement Squeeze, Etc									
Depth Interval			Amount and Type of Material						
SEE ATTACHED SHEET									
28 Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
9/8/08	9/10/08	24	→	6	3766	111	NA	NA	Flowing
Choke Size	Tbg Press. Flwg	Csg Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
NA	550 psi	875 psi	→	6	3766	111	NA	Producing	
28a Production-Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press. Flwg	Csg Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

28b Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg	Csg Press	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg	Csg Press	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29 Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

30. Summary of Porous Zones (Include Aquifers).

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

31. Formation (Log) Markers

Formation	Top	Bottom	Description, Contents, etc	Name	Top
					Meas Depth
				San Andres	650'
				Glorieta	1940'
				Tubb	3220'
				Abo	3900'
				Wolfcamp	4881'

32 Additional remarks (include plugging procedure).

33. Indicate which items have been attached by placing a check in the appropriate boxes

- ☒ Electrical/Mechanical Logs (1 full set req'd)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
 ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other Deviation Survey

34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

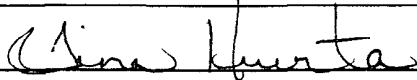
Name (please print)

Tina Huerta

Title

Regulatory Compliance Supervisor

Signature



Date

September 12, 2008

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

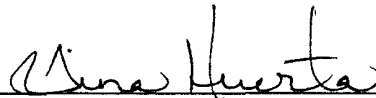
Form 3160-4 continued:

26. Perforation Record

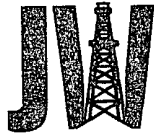
Perforated Interval	Size	No. Holes	Perf. Status
8645'		10	Producing
8423'		10	Producing
8201'		10	Producing
7979'		10	Producing
7757'		10	Producing
7535'		10	Producing
7313'		10	Producing
7091'		10	Producing
6869'		10	Producing
6647'		10	Producing
6425'		10	Producing
6203'		10	Producing
5981'		10	Producing
5759'		10	Producing
5537'		10	Producing
5315'		10	Producing

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
8645', 8423', 8201' & 7979'	Pumped 1000g slickwater, 4000g 15% HCL, 18,000g 20# borate gel and Frac with 265,000g slickwater, 38,000# 100 mesh sand, 102,000# 20/40 white sand
7757', 7535' 7313' & 7091'	Frac with 265,000g slickwater, 38,000# 100 mesh sand, 102,000# 20/40 white sand
6869', 6647' 6425' & 6203'	Pumped 1000g slickwater, 4000g 15% HCL, 18,000g 20# borate gel and Frac with 265,000g slickwater, 38,000# 100 mesh sand, 102,000# 20 40 white sand
5981', 5759' 5537' & 5315'	Frac with 265,000g slickwater, 38,000# 100 mesh sand, 102,000# 20/40 white sand



Regulatory Compliance Supervisor
September 12, 2008



DRILLING INC. Oil Well Drilling Contractor

Post Office Box 160 Artesia, New Mexico 88211-0160 Office (505) 748-8704 Fax (505) 748-8719

August 11, 2008

Yates Petroleum Corp.
105 S. 4th Street
Artesia, New Mexico 88210

Re: Terry FU Com #6H
Sec. 21, T-16-S, R-25-E
Chaves County, New Mexico

Attn: Tim Bussell

The following is a Deviation Survey on the referenced well in Chaves County, New Mexico:

184' - 0.5°
428' - 1.75°
791' - 0.75°
1296' - 1°
1581' - 1.25°
1866' - 1.5°
2135' - 1°
2405' - 0.5°
2690' - 1°
2975' - 1.25°
3261' - 0.75°
3641' - 1°
4022' - 0.75°
4497' - 1.25°

Sincerely,

Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO)
COUNTY OF EDDY)

The foregoing was acknowledged before me this 11th day of August, 2008 by Gary W. Chappell.

MY COMMISSION EXPIRES

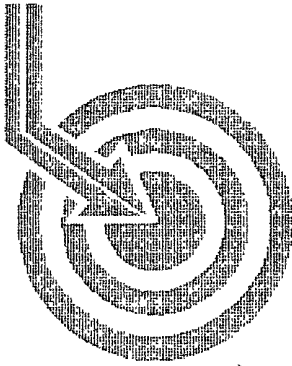
4/15/10



OFFICIAL SEAL
Patti H. Horn

My commission expires

NOTARY PUBLIC



Scientific Drilling

YATES PETROLEUM

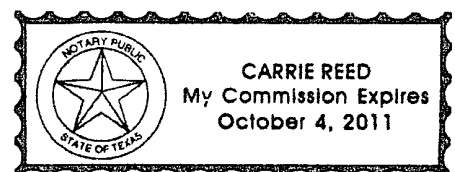
Field: Terry
Site: Eddy County, NM
Well: Terry FU Com #6
Wellpath: VH - Job #32K0708594
Survey: 07/30/08

This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*L. Wharton*..... Company Representative

Notorized this date 21st of August, 2008.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International Survey Report

Company: YATES PETROLEUM
Field: Terry
Site: Eddy County, NM
Well: Terry FU Com #6
Wellpath: VH - Job #32K0708594

Date: 08/20/2008 Time: 18:02:23 Page: 1
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,270.26Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 07/30/08 Start Date: 07/30/2008
KSRG 0'-4966'
Company: Scientific Drilling Internatio Engineer: Guebara/Williams w/GeoGyro
Tool: Keeper;Keeper Gyro Tied-to: From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	1.00	129.23	99.99	-0.68	-0.55	0.68	1.00	0.87	129.23
200.00	1.25	123.23	199.98	-2.27	-1.70	2.26	0.28	2.83	126.92
300.00	1.25	123.08	299.95	-4.10	-2.89	4.09	0.00	5.01	125.28
400.00	2.05	118.25	399.91	-6.60	-4.34	6.58	0.81	7.88	123.39
500.00	1.57	164.24	499.86	-8.56	-6.50	8.53	1.48	10.72	127.32
600.00	1.24	147.58	599.83	-9.52	-8.73	9.48	0.52	12.89	132.65
700.00	0.72	196.92	699.82	-9.92	-10.25	9.88	0.94	14.23	136.06
800.00	0.73	201.95	799.81	-9.51	-11.44	9.46	0.06	14.84	140.42
900.00	1.25	176.35	899.80	-9.35	-13.12	9.29	0.67	16.07	144.70
1000.00	1.25	191.93	999.77	-9.20	-15.28	9.13	0.34	17.80	149.13
1100.00	1.12	198.91	1099.75	-8.67	-17.27	8.59	0.19	19.29	153.55
1200.00	1.09	192.19	1199.73	-8.16	-19.12	8.07	0.13	20.75	157.11
1300.00	1.26	191.87	1299.71	-7.74	-21.13	7.64	0.17	22.47	160.11
1400.00	1.23	197.10	1399.69	-7.21	-23.23	7.10	0.12	24.29	163.00
1500.00	1.33	195.70	1499.67	-6.59	-25.37	6.47	0.10	26.18	165.69
1600.00	1.46	197.11	1599.64	-5.91	-27.71	5.78	0.13	28.30	168.21
1700.00	1.31	212.26	1699.61	-4.94	-29.89	4.80	0.39	30.27	170.88
1800.00	1.11	213.63	1799.58	-3.80	-31.66	3.65	0.20	31.87	173.42
1900.00	1.09	214.21	1899.57	-2.73	-33.26	2.58	0.02	33.36	175.56
2000.00	1.04	214.93	1999.55	-1.69	-34.79	1.53	0.05	34.82	177.49
2100.00	0.92	227.07	2099.53	-0.58	-36.08	0.42	0.24	36.08	179.33
2200.00	0.79	220.11	2199.52	0.44	-37.15	-0.61	0.17	37.16	180.94
2300.00	0.81	224.88	2299.51	1.38	-38.18	-1.55	0.07	38.21	182.33
2400.00	0.83	238.59	2399.50	2.49	-39.06	-2.67	0.20	39.15	183.91
2500.00	0.69	229.40	2499.49	3.57	-39.83	-3.75	0.19	40.00	185.37
2600.00	0.76	225.93	2599.49	4.50	-40.68	-4.68	0.08	40.95	186.56
2700.00	0.81	235.24	2699.48	5.55	-41.55	-5.74	0.14	41.94	187.86
2800.00	0.69	223.59	2799.47	6.54	-42.38	-6.73	0.19	42.92	189.03
2900.00	0.82	228.35	2899.46	7.49	-43.30	-7.68	0.14	43.97	190.06
3000.00	0.53	228.35	2999.45	8.36	-44.08	-8.56	0.29	44.90	190.99
3100.00	0.56	218.13	3099.45	9.01	-44.77	-9.21	0.10	45.71	191.63
3200.00	0.31	232.17	3199.45	9.52	-45.32	-9.73	0.27	46.35	192.11
3300.00	0.43	217.97	3299.44	9.96	-45.78	-10.17	0.15	46.90	192.53
3400.00	0.52	265.20	3399.44	10.64	-46.12	-10.85	0.39	47.38	193.24
3500.00	0.36	267.36	3499.44	11.41	-46.17	-11.62	0.16	47.61	194.13
3600.00	0.43	258.30	3599.43	12.09	-46.26	-12.30	0.09	47.87	194.89
3700.00	0.21	273.81	3699.43	12.64	-46.32	-12.85	0.23	48.07	195.51
3800.00	0.27	282.08	3799.43	13.05	-46.26	-13.27	0.07	48.13	196.00
3900.00	0.51	68.25	3899.43	12.87	-46.05	-13.08	0.75	47.87	195.86
4000.00	0.29	81.06	3999.43	12.21	-45.84	-12.42	0.24	47.50	195.16
4100.00	0.44	88.11	4099.43	11.58	-45.79	-11.78	0.16	47.28	194.43
4200.00	0.68	74.06	4199.42	10.62	-45.62	-10.83	0.27	46.88	193.36
4300.00	1.20	81.26	4299.41	9.02	-45.29	-9.23	0.53	46.22	191.51
4400.00	2.03	82.14	4399.37	6.23	-44.89	-6.44	0.83	45.35	188.16
4500.00	2.50	81.81	4499.29	2.32	-44.34	-2.52	0.47	44.41	183.26
4600.00	2.45	76.16	4599.20	-1.91	-43.52	1.71	0.25	43.55	177.75
4700.00	2.57	77.96	4699.10	-6.17	-42.54	5.98	0.14	42.96	172.00
4800.00	2.48	75.63	4799.00	-10.46	-41.53	10.27	0.14	42.78	166.11



Scientific
Drilling

Scientific Drilling International

Survey Report

Company: YATES PETROLEUM
Field: Terry
Site: Eddy County, NM
Well: Terry FU Com #6
Wellpath: VH - Job #32K0708594

Date: 08/20/2008 Time: 18:02:23 Page: 2
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,270.26Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

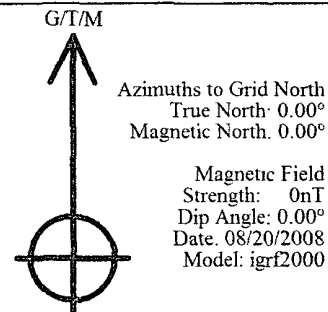
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.00	2.38	80.22	4898.91	-14.59	-40.64	14.41	0.22	43.12	160.48
4966.00	2.36	79.26	4964.86	-17.28	-40.16	17.10	0.07	43.65	156.94



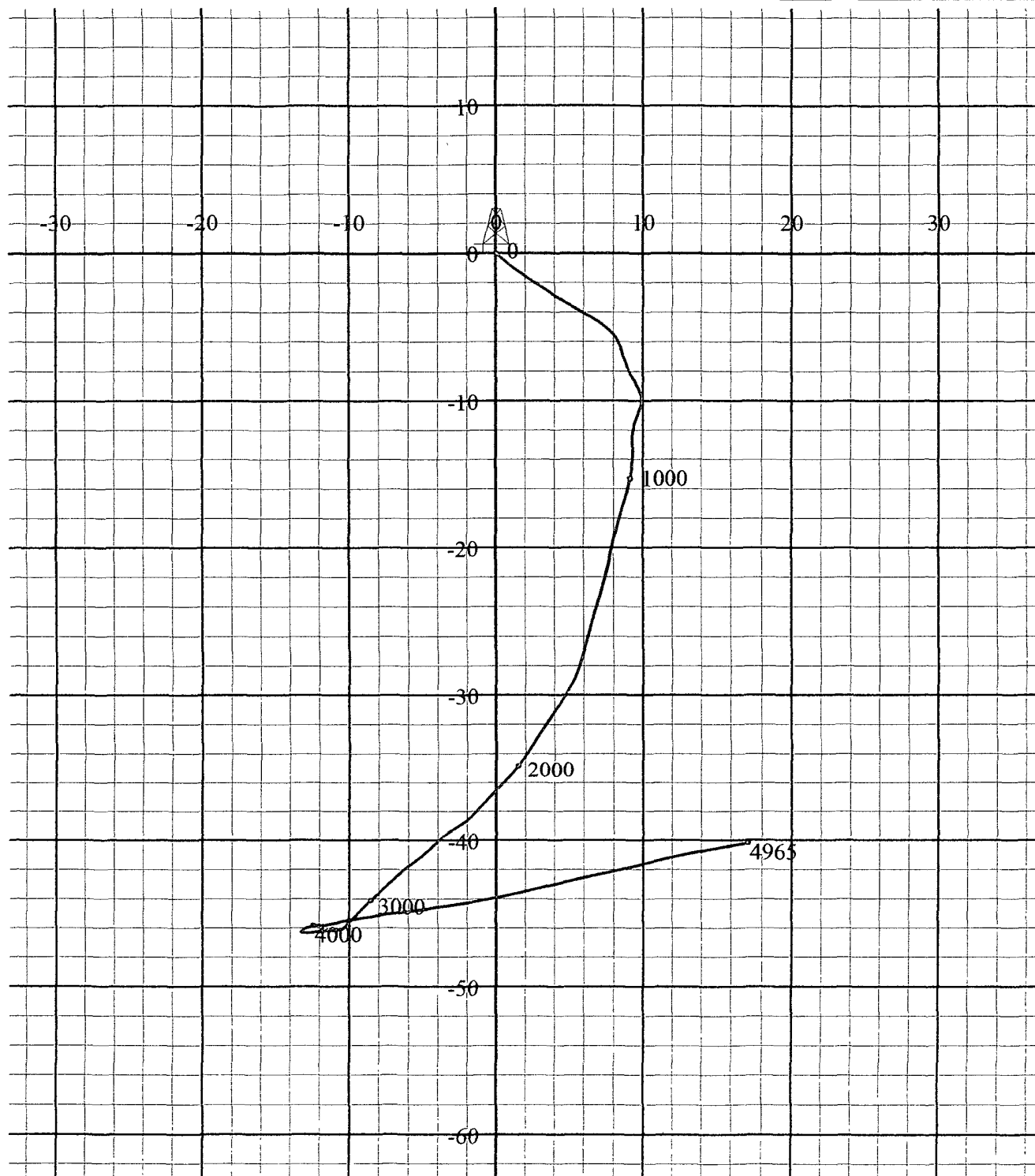
Scientific
Drilling

Field: Terry
Site: Eddy County, NM
Well: Terry FU Com #6
Wellpath: VH - Job #32K0708594
Survey: 07/30/08



West(-)/East(+) [10ft/in]

South(-)/North(+) [10ft/in]



Yates Petroleum Corp.

Eddy County

Terry Fu Com #6H

**Terry FU Com #6H
OH**

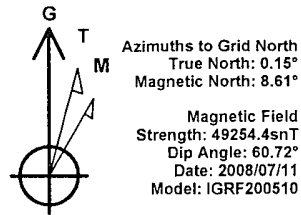
Survey: MWD #1

Pathfinder X & Y Survey Report

12 August, 2008

PATHFINDER
ENERGY SERVICES

Yates Petroleum Corporation

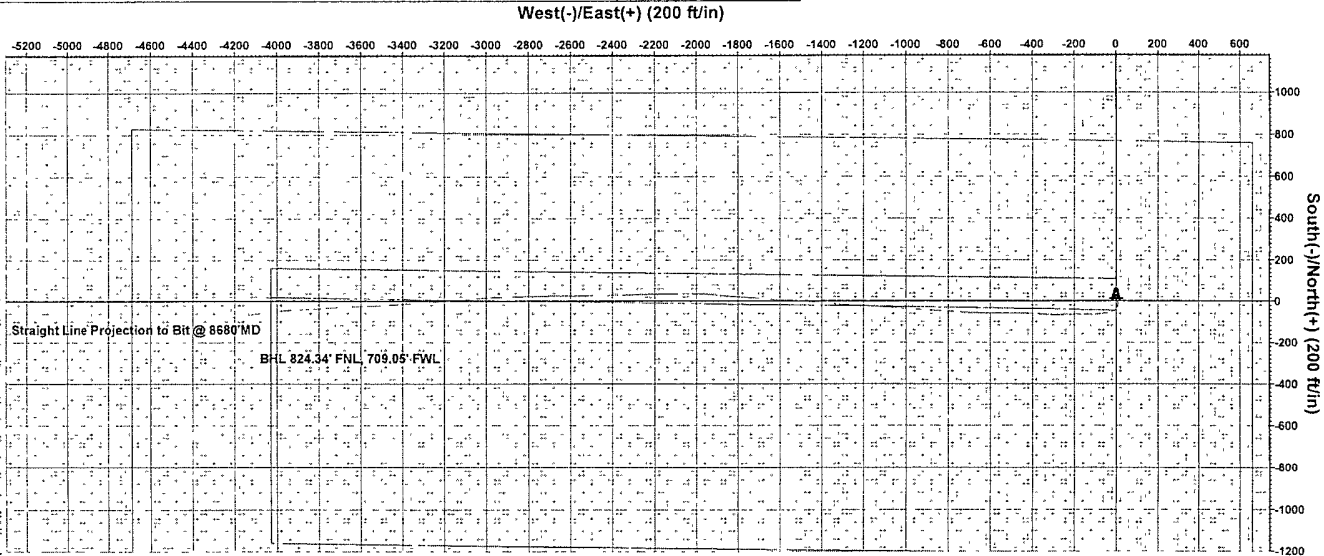
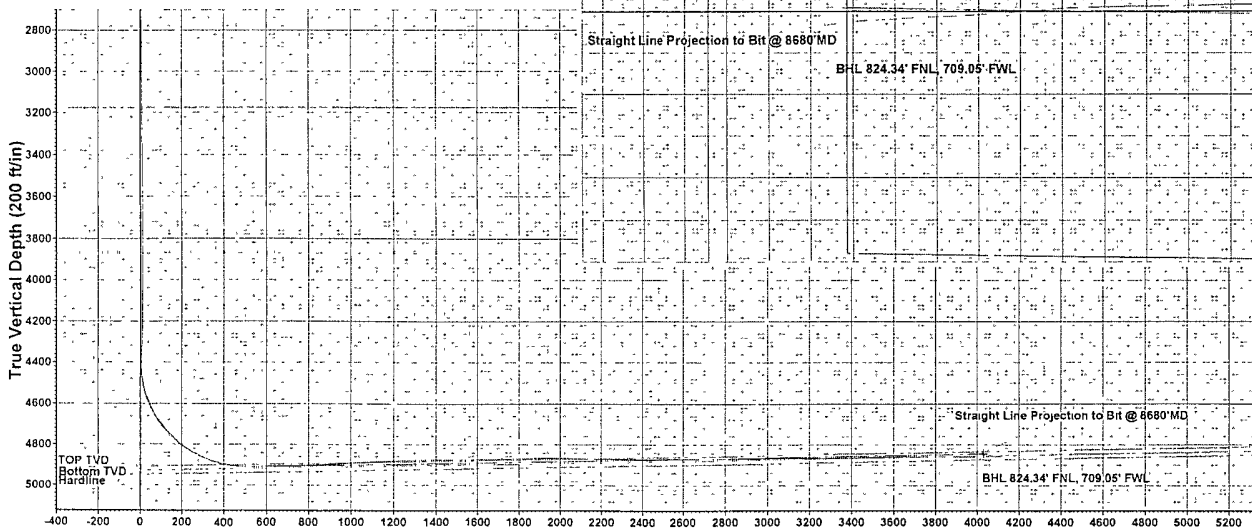
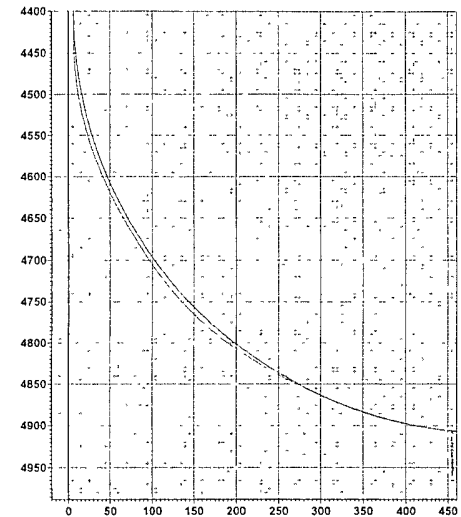


WELL DETAILS Terry FU Com #6H						
Ground Elevation: 0 00						
RKB Elevation: WELL @ 0 00ft (Original Well Elev)						
Rig Name: Original Well Elev						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0 00	0 00	696137 900	453796 900	32° 54' 48 142 N	104° 37' 6 948 W	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)					
Name	TVD	+N/-S	+E/-W	Northing	Easting
PBHL OH(FU#6H)	4845 00	18 60	-4030 00	696156.500	449766 900
					Shape Point

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
14386	50	1 92	82 07	4385 88	-44 96	-6 90	0 00	0 00	6 69	
25209	75	91 06	270 86	4910 00	-34 47	-523 34	11 29	-171 20	523 18	
38717	41	91 06	270 87	4845 00	18 60	-4030 00	0 00	75 67	4030 04	PBHL OH(FU#6H)

Project: Eddy County
Site: Terry Fu Com #6H
Well: Terry FU Com #6H
Wellbore: OH
Plan: Plan #2 (Terry FU Com #6H/OH)



PROJECT DETAILS Eddy County	
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	

Plan Plan #2 (Terry FU Com #6H/OH)	
Created By: Nate Blingham	Date: 10 01, August 12 2008
Checked: _____	Date: _____

Vertical Section at 270.26° (200 ft/in)

Pathfinder Energy Services

Pathfinder X & Y Survey Report



Company:	Yates Petroleum Corp	Local Co-ordinate Reference:	Well Terry FU Com #6H
Project:	Eddy County	TVD Reference:	WELL @ 0.00ft (Original Well Elev)
Site:	Terry Fu Com #6H	MD Reference:	WELL @ 0.00ft (Original Well Elev)
Well:	Terry FU Com #6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003.16 Single User Db

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

Site		Terry Fu Com #6H			
Site Position:		Northing:	696,137.900 ft	Latitude:	32° 54' 48.142 N
From:	Map	Easting:	453,796.900 ft	Longitude:	104° 37' 6.948 W
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence:	-0.16 °

Well:		Terry FU Com #6H				
Well Position	+N/-S	0.00 ft	Northing:	696,137.900 ft	Latitude:	32° 54' 48.142 N
	+E/-W	0.00 ft	Easting:	453,796.900 ft	Longitude:	104° 37' 6.948 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	0.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	2008/07/11	8.46	60.72	49,254

Design:		OH			
Audit Notes:					
Version:		1.0	Phase:	ACTUAL	Tie On Depth: 0 00
Vertical Section:		Depth From (TVD)	+N/-S	+E/-W	Direction
		(ft)	(ft)	(ft)	(°)
		0 00	0 00	0 00	270.26

Survey Program		Date 2008/08/12		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
5,200.00	5,200.00	Pilot Hole (OH)		

Pathfinder Energy Services
Pathfinder X & Y Survey Report



Company:	Yates Petroleum Corp.	Local Co-ordinate Reference:	Well Terry FU Com #6H
Project:	Eddy County	TVD Reference:	WELL @ 0.00ft (Original Well Elev)
Site:	Terry Fu Com #6H	MD Reference:	WELL @ 0.00ft (Original Well Elev)
Well:	Terry FU Com #6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003:16 Single-User.Db

Survey										
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V- Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
4,300.00	1 20	81 26	4,299.41	4,299.41	-45 29	-9.23	9 02	0 00	696,092.61	453,787.67
4,392.00	1.67	84 76	4,391.38	4,391.38	-45.03	-6.94	6.73	0.52	696,092.87	453,789.96
4,422.00	0.53	129 20	4,421.37	4,421.37	-45.07	-6.40	6.19	4.48	696,092.83	453,790.50
4,452.00	2 99	241.38	4,451.36	4,451.36	-45.54	-6.97	6.77	10.76	696,092.36	453,789.93
4,483.00	7.03	247 70	4,482.24	4,482.24	-46 64	-9 44	9.23	13.13	696,091.26	453,787.46
4,514.00	11.70	250 41	4,512.81	4,512.81	-48.42	-14.16	13.94	15.13	696,089.48	453,782.74
4,545.00	16.09	253 03	4,542.90	4,542.90	-50 73	-21.23	21 00	14.30	696,087.17	453,775.67
4,576.00	20 05	255.43	4,572.37	4,572.37	-53.32	-30.49	30.25	13 00	696,084.58	453,766.41
4,606.00	23.74	256 94	4,600.20	4,600.20	-55 98	-41 35	41 10	12.44	696,081.92	453,755.55
4,636.00	26 73	258.56	4,627.33	4,627.33	-58.68	-53.85	53 58	10 23	696,079.22	453,743.05
4,667.00	30 16	260.17	4,654.59	4,654.59	-61.39	-68.36	68.08	11.34	696,076.51	453,728.54
4,698.00	32.45	263.73	4,681.07	4,681.07	-63.63	-84.31	84 02	9 49	696,074.27	453,712.59
4,729.00	35 09	266.75	4,706.84	4,706.84	-65 05	-101.47	101 18	10 09	696,072.85	453,695.43
4,760.00	38 78	269.70	4,731.62	4,731.62	-65.60	-120.08	119.79	13.20	696,072.30	453,676.82
4,790.00	43 00	271 19	4,754.29	4,754.29	-65.44	-139 72	139.42	14.44	696,072.46	453,657.18
4,821.00	47 40	271.27	4,776.13	4,776.13	-64.97	-161.70	161 41	14.19	696,072.93	453,635.20
4,852.00	52 06	269 78	4,796.16	4,796.16	-64.76	-185.35	185.05	15.47	696,073.14	453,611.55
4,884.00	56 54	268 34	4,814.83	4,814.83	-65.20	-211.32	211.02	14 47	696,072.70	453,585.58
4,916.00	59.71	268.25	4,831.73	4,831.73	-66.00	-238.48	238.18	9.91	696,071.90	453,558.42
4,947.00	62 43	268 62	4,846.72	4,846.72	-66.74	-265.60	265.29	8.84	696,071.16	453,531.30
4,979.00	65 07	270.36	4,860.88	4,860.88	-66.99	-294.29	293 99	9 58	696,070.91	453,502.61
5,011.00	67.80	273 64	4,873.67	4,873.67	-65.96	-323.60	323.30	12 69	696,071.94	453,473.30
5,043.00	71.05	275 01	4,884.92	4,884.92	-63.70	-353.47	353.18	10.92	696,074.20	453,443.43
5,073.00	75 45	274 45	4,893.56	4,893.56	-61.33	-382.09	381.81	14.78	696,076.57	453,414.81
5,105.00	79.76	272 95	4,900.43	4,900.43	-59.32	-413.27	413 00	14 23	696,078.58	453,383.63
5,136.00	83 80	271.16	4,904.86	4,904.86	-58.22	-443.93	443 66	14.23	696,079.68	453,352.97
5,168.00	86 00	270.37	4,907.70	4,907.70	-57.80	-475 79	475.53	7.30	696,080.10	453,321.11

Pathfinder Energy Services

Pathfinder X & Y Survey Report



Company:	Yates Petroleum Corp	Local Co-ordinate Reference:	Well Terry FU Com #6H
Project:	Eddy County	TVD Reference:	WELL @ 0.00ft (Original Well Elev)
Site:	Terry FU Com #6H	MD Reference:	WELL @ 0.00ft (Original Well Elev)
Well:	Terry FU Com #6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003.16 Single User Db

Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
5,200.00	88.55	270.16	4,909.23	4,909.23	-57.65	-507.75	507.49	8.00	696,080.25	453,289.15	
5,232.00	90.40	270.07	4,909.52	4,909.52	-57.59	-539.75	539.49	5.79	696,080.31	453,257.15	
5,327.00	91.98	271.48	4,907.55	4,907.55	-56.30	-634.72	634.46	2.23	696,081.60	453,162.18	
5,422.00	90.75	272.23	4,905.28	4,905.28	-53.23	-729.64	729.39	1.52	696,084.67	453,067.26	
5,517.00	93.74	274.21	4,901.56	4,901.56	-47.90	-824.40	824.17	3.77	696,090.00	452,972.50	
5,612.00	93.30	273.67	4,895.73	4,895.73	-41.38	-919.00	918.80	0.73	696,096.52	452,877.90	
5,708.00	93.56	274.03	4,889.98	4,889.98	-34.95	-1,014.61	1,014.44	0.46	696,102.95	452,782.29	
5,771.00	93.56	274.27	4,886.07	4,886.07	-30.40	-1,077.32	1,077.17	0.38	696,107.50	452,719.58	
5,866.00	92.33	273.02	4,881.19	4,881.19	-24.37	-1,172.00	1,171.88	1.84	696,113.53	452,624.90	
5,993.00	90.40	274.23	4,878.17	4,878.17	-16.34	-1,298.70	1,298.61	1.79	696,121.56	452,498.20	
6,056.00	91.63	275.61	4,877.05	4,877.05	-10.94	-1,361.46	1,361.39	2.93	696,126.96	452,435.44	
6,151.00	90.40	274.71	4,875.37	4,875.37	-2.40	-1,456.05	1,456.03	1.60	696,135.50	452,340.85	
6,246.00	91.36	273.32	4,873.91	4,873.91	4.26	-1,550.81	1,550.81	1.78	696,142.16	452,246.09	
6,341.00	90.31	272.97	4,872.52	4,872.52	9.47	-1,645.65	1,645.68	1.17	696,147.37	452,151.25	
6,436.00	91.54	275.17	4,870.99	4,870.99	16.21	-1,740.39	1,740.45	2.65	696,154.11	452,056.51	
6,531.00	91.63	275.23	4,868.36	4,868.36	24.81	-1,834.97	1,835.06	0.11	696,162.71	451,961.93	
6,596.00	91.01	274.88	4,866.87	4,866.87	30.54	-1,899.69	1,899.81	1.10	696,168.44	451,897.21	
6,658.00	90.22	273.55	4,866.20	4,866.20	35.10	-1,961.52	1,961.66	2.49	696,173.00	451,835.38	
6,721.00	88.72	270.49	4,866.78	4,866.78	37.32	-2,024.47	2,024.62	5.41	696,175.22	451,772.43	
6,848.00	88.90	268.41	4,869.42	4,869.42	36.10	-2,151.43	2,151.57	1.64	696,174.00	451,645.47	
6,880.00	88.99	268.50	4,870.01	4,870.01	35.24	-2,183.41	2,183.55	0.40	696,173.14	451,613.49	
6,975.00	90.22	268.69	4,870.66	4,870.66	32.91	-2,278.38	2,278.51	1.31	696,170.81	451,518.52	
7,070.00	90.31	268.99	4,870.23	4,870.23	30.98	-2,373.36	2,373.48	0.33	696,168.88	451,423.54	
7,165.00	89.96	269.03	4,870.00	4,870.00	29.34	-2,468.35	2,468.45	0.37	696,167.24	451,328.55	
7,260.00	90.13	269.35	4,869.93	4,869.93	28.00	-2,563.34	2,563.44	0.38	696,165.90	451,233.56	
7,355.00	89.96	269.62	4,869.85	4,869.85	27.14	-2,658.33	2,658.43	0.34	696,165.04	451,138.57	
7,450.00	90.48	268.63	4,869.49	4,869.49	25.69	-2,753.32	2,753.41	1.18	696,163.59	451,043.58	

Pathfinder Energy Services Pathfinder X & Y Survey Report



Company:	Yates Petroleum Corp	Local Co-ordinate Reference:	Well Terry FU Com #6H
Project:	Eddy County	TVD Reference:	WELL @ 0.00ft (Original Well Elev)
Site:	Terry Fu Com #6H	MD Reference:	WELL @ 0.00ft (Original Well Elev)
Well:	Terry FU Com #6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003.16 Single User Db

Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
7,545.00	90.04	268.28	4,869.06	4,869.06	23.13	-2,848.28	2,848.36	0.59	696,161.03	450,948.62	
7,640.00	90.22	266.37	4,868.84	4,868.84	18.70	-2,943.17	2,943.23	2.02	696,156.60	450,853.73	
7,735.00	91.45	266.48	4,867.46	4,867.46	12.78	-3,037.98	3,038.00	1.30	696,150.68	450,758.92	
7,830.00	89.60	264.57	4,866.59	4,866.59	5.36	-3,132.68	3,132.67	2.80	696,143.26	450,664.22	
7,893.00	90.04	264.88	4,866.78	4,866.78	-0.43	-3,195.41	3,195.37	0.85	696,137.47	450,601.49	
7,988.00	91.45	266.69	4,865.55	4,865.55	-7.41	-3,290.14	3,290.07	2.41	696,130.49	450,506.76	
8,052.00	89.96	265.89	4,864.76	4,864.76	-11.55	-3,354.00	3,353.91	2.64	696,126.35	450,442.90	
8,147.00	91.98	266.55	4,863.15	4,863.15	-17.81	-3,448.77	3,448.65	2.24	696,120.09	450,348.13	
8,242.00	90.31	267.23	4,861.25	4,861.25	-22.96	-3,543.61	3,543.47	1.90	696,114.94	450,253.29	
8,337.00	91.98	267.78	4,859.36	4,859.36	-27.10	-3,638.49	3,638.33	1.85	696,110.80	450,158.41	
8,432.00	89.34	266.81	4,858.26	4,858.26	-31.58	-3,733.37	3,733.19	2.96	696,106.32	450,063.53	
8,496.00	89.08	266.55	4,859.14	4,859.14	-35.29	-3,797.26	3,797.06	0.57	696,102.61	449,999.64	
8,591.00	89.34	266.81	4,860.45	4,860.45	-40.79	-3,892.09	3,891.87	0.39	696,097.11	449,904.81	
8,612.00	89.78	266.81	4,860.62	4,860.62	-41.96	-3,913.06	3,912.83	2.10	696,095.94	449,883.84	
8,680.00	89.78	266.81	4,860.88	4,860.88	-45.74	-3,980.95	3,980.70	0.00	696,092.16	449,815.95	

Straight Line Projection to Bit @ 8680' MD - BHL 824.34' FNL, 709.05' FWL

Pathfinder Energy Services

Pathfinder X & Y Survey Report



Company:	Yates Petroleum Corp.	Local Co-ordinate Reference:	Well Terry FU Com #6H
Project:	Eddy County	TVD Reference:	WELL @ 0.00ft (Original Well Elev)
Site:	Terry FU Com #6H	MD Reference:	WELL @ 0.00ft (Original Well Elev)
Well:	Terry FU Com #6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003.16 Single User Db

Targets									
Target Name	hit/miss/target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	
Shape		(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	
PBHL OH(FU#6H)		0.00	0.00	4,845.00	18.60	-4,030.00	696,156.500	449,766.900	32° 54' 48.216 N 104° 37' 54.225 W
- survey misses by 82.45ft at 8680.00ft MD (4860.88 TVD, -45.74 N, -3980.95 E)									
- Point									

Survey Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
8,680.00	4,860.88	-45.74	-3,980.95	Straight Line Projection to Bit @ 8680' MD
8,680.00	4,860.88	-45.74	-3,980.95	BHL 824.34' FNL, 709.05' FWL

Checked By: _____ Approved By: _____ Date: _____

H HEADER INFORMATION -----

H COMPANY : Yates Petroleum Corp.

H FIELD : Eddy County

H SITE : Terry Fu Com #6H

H WELL : Terry FU Com #6H

H WELLPATH: OH

H DEPTHUNT: ft

H SURVDATE: 2008/08/04

H-----

H WELL INFORMATION

H WELL EW MAP : 453796.90

H WELL NS MAP : 696137.90

H DATUM ELEVN : 0.00

H VSECT ANGLE : 270.26

H VSECT NORTH : 0.00

H VSECT EAST : 0.00

H-----

H SURVEY TYPE INFORMATION

H 5200.00 - 5200.00 PILOT HOLE :

H-----

H SURVEY LIST

H MD	INC	AZI	TVD	NS	EW
0.00	0.00	0.00	0.00	0.00	0.00
4300.00	1.20	81.26	4299.41	-45.29	-9.23
4392.00	1.67	84.76	4391.38	-45.03	-6.94
4422.00	0.53	129.20	4421.37	-45.07	-6.40
4452.00	2.99	241.38	4451.36	-45.54	-6.97
4483.00	7.03	247.70	4482.24	-46.64	-9.44
4514.00	11.70	250.41	4512.81	-48.42	-14.16
4545.00	16.09	253.03	4542.90	-50.73	-21.23
4576.00	20.05	255.43	4572.37	-53.32	-30.49
4606.00	23.74	256.94	4600.20	-55.98	-41.35
4636.00	26.73	258.56	4627.33	-58.68	-53.85
4667.00	30.16	260.17	4654.59	-61.39	-68.36
4698.00	32.45	263.73	4681.07	-63.63	-84.31
4729.00	35.09	266.75	4706.84	-65.05	-101.47
4760.00	38.78	269.70	4731.62	-65.60	-120.08
4790.00	43.00	271.19	4754.29	-65.44	-139.72
4821.00	47.40	271.27	4776.13	-64.97	-161.70
4852.00	52.06	269.78	4796.16	-64.76	-185.35
4884.00	56.54	268.34	4814.83	-65.20	-211.32
4916.00	59.71	268.25	4831.73	-66.00	-238.48
4947.00	62.43	268.62	4846.72	-66.74	-265.60
4979.00	65.07	270.36	4860.88	-66.99	-294.29
5011.00	67.80	273.64	4873.67	-65.96	-323.60
5043.00	71.05	275.01	4884.92	-63.70	-353.47
5073.00	75.45	274.45	4893.56	-61.33	-382.09
5105.00	79.76	272.95	4900.43	-59.32	-413.27
5136.00	83.80	271.16	4904.86	-58.22	-443.93
5168.00	86.00	270.37	4907.70	-57.80	-475.79
5200.00	88.55	270.16	4909.23	-57.65	-507.75
5232.00	90.40	270.07	4909.52	-57.59	-539.75

5327.00	91.98	271.48	4907.55	-56.30	-634.72
5422.00	90.75	272.23	4905.28	-53.23	-729.64
5517.00	93.74	274.21	4901.56	-47.90	-824.40
5612.00	93.30	273.67	4895.73	-41.38	-919.00
5708.00	93.56	274.03	4889.98	-34.95	-1014.61
5771.00	93.56	274.27	4886.07	-30.40	-1077.32
5866.00	92.33	273.02	4881.19	-24.37	-1172.00
5993.00	90.40	274.23	4878.17	-16.34	-1298.70
6056.00	91.63	275.61	4877.05	-10.94	-1361.46
6151.00	90.40	274.71	4875.37	-2.40	-1456.05
6246.00	91.36	273.32	4873.91	4.26	-1550.81
6341.00	90.31	272.97	4872.52	9.47	-1645.65
6436.00	91.54	275.17	4870.99	16.21	-1740.39
6531.00	91.63	275.23	4868.36	24.81	-1834.97
6596.00	91.01	274.88	4866.87	30.54	-1899.69
6658.00	90.22	273.55	4866.20	35.10	-1961.52
6721.00	88.72	270.49	4866.78	37.32	-2024.47
6848.00	88.90	268.41	4869.42	36.10	-2151.43
6880.00	88.99	268.50	4870.01	35.24	-2183.41
6975.00	90.22	268.69	4870.66	32.91	-2278.38
7070.00	90.31	268.99	4870.23	30.98	-2373.36
7165.00	89.96	269.03	4870.00	29.34	-2468.35
7260.00	90.13	269.35	4869.93	28.00	-2563.34
7355.00	89.96	269.62	4869.85	27.14	-2658.33
7450.00	90.48	268.63	4869.49	25.69	-2753.32
7545.00	90.04	268.28	4869.06	23.13	-2848.28
7640.00	90.22	266.37	4868.84	18.70	-2943.17
7735.00	91.45	266.48	4867.46	12.78	-3037.98
7830.00	89.60	264.57	4866.59	5.36	-3132.68
7893.00	90.04	264.88	4866.78	-0.43	-3195.41
7988.00	91.45	266.69	4865.55	-7.41	-3290.14
8052.00	89.96	265.89	4864.76	-11.55	-3354.00
8147.00	91.98	266.55	4863.15	-17.81	-3448.77
8242.00	90.31	267.23	4861.25	-22.96	-3543.61
8337.00	91.98	267.78	4859.36	-27.10	-3638.49
8432.00	89.34	266.81	4858.26	-31.58	-3733.37
8496.00	89.08	266.55	4859.14	-35.29	-3797.26
8591.00	89.34	266.81	4860.45	-40.79	-3892.09
8612.00	89.78	266.81	4860.62	-41.96	-3913.06
8680.00	89.78	266.81	4860.88	-45.74	-3980.95