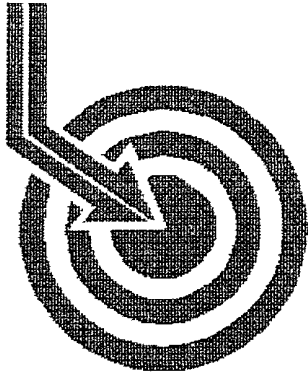




Scientific Drilling

YATES PETROLEUM

Field: Wildcat
Site: Eddy County, NM
Well: Cottonwood K1 Federal Com #2H
Wellpath: VH - Job #32K1208978
Survey: 12/08/08

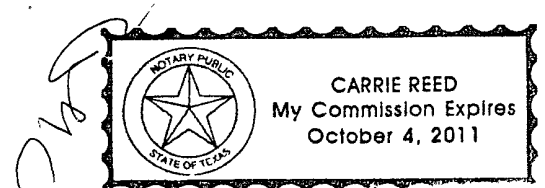
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....Lu Harton.....Company Representative

Notorized this date 31st of December, 2008.

Carrie Reed

Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: YATES PETROLEUM

Field: Wildcat

Site: Eddy County, NM

Well: Cottonwood K1 Federal Com #2H

Wellpath: VH - Job #32K1208978

Date: 01/11/2009

Time: 20:48:15

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;63.55Azi)

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	0.55	54.72	4899.47	38.32	16.36	34.66	0.51	38.33	64.73
5000.00	0.26	37.65	4999.46	39.00	16.82	35.19	0.31	39.00	64.45
5100.00	0.27	349.22	5099.46	39.27	17.23	35.28	0.22	39.27	63.97
5167.00	0.28	299.11	5166.46	39.22	17.47	35.11	0.35	39.22	63.55

Yates Petroleum Corporation



Azimuths to True North
Magnetic North: 8.36°

Magnetic Field
Strength: 49204.4snT
Dip Angle: 60.74°
Date: 12/21/2008
Model: IGRF200510



EOW

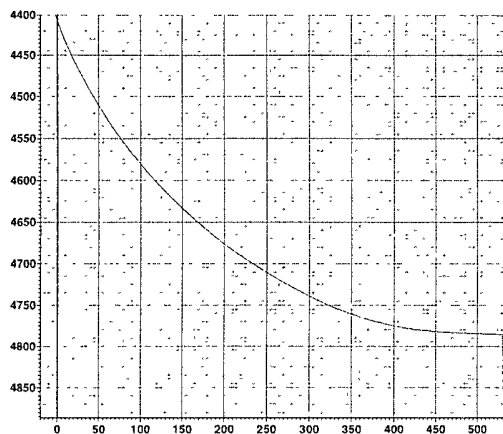
WELL DETAILS: Cottonwood KI Fed #2

Ground Elevation: 3550 00
RKB Elevation Well @ 3550 00ft
Rig Name

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0 00	0 00	700376 188	484969.341	32° 55' 30 766 N	104° 31' 1 350 W	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

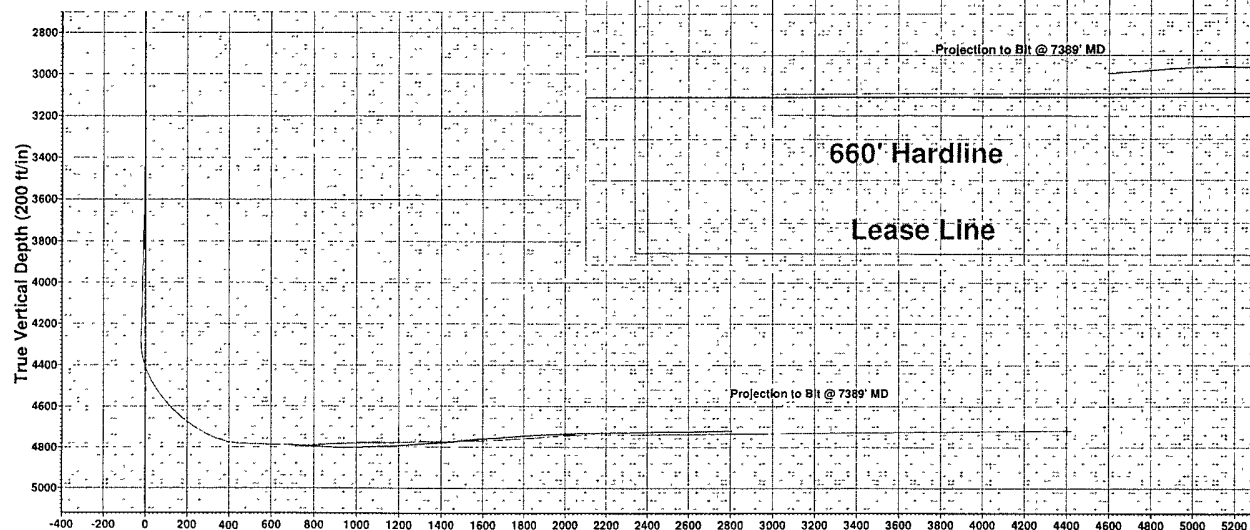
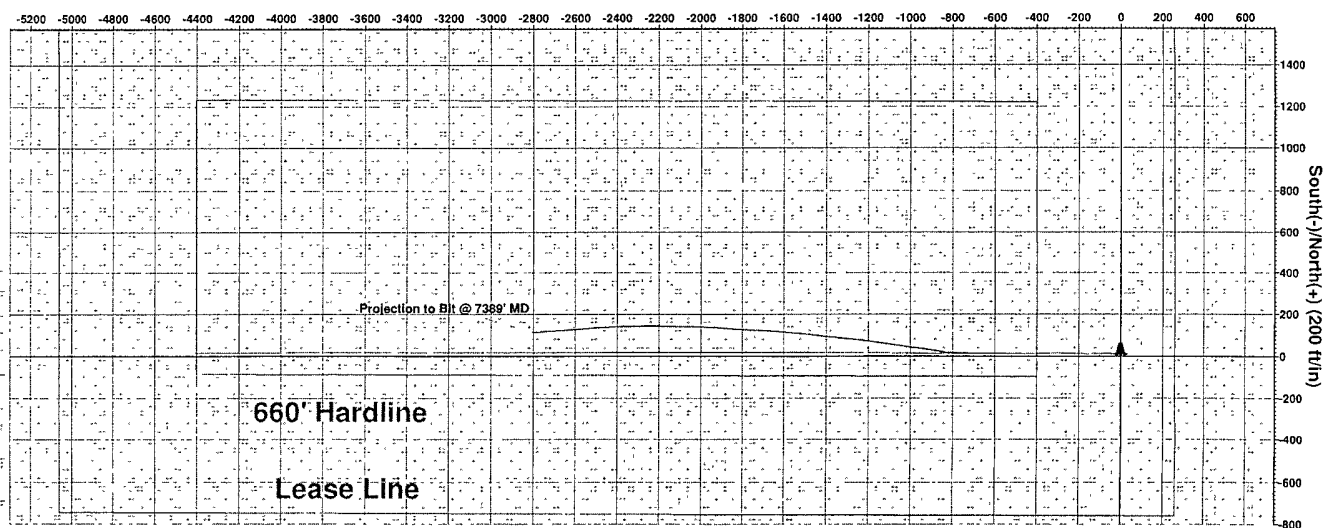
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL(Cottonwood #2)	4719.00	17.23	-4403 03	700401 088	480566 345	Point



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	5444 00	93 65	268 79	4786 80	14 49	-868 83	0 00	0 00	868 88	
2	5504 00	92 41	272 18	4783 62	14 99	-928 73	6 00	110 00	928 78	
3	5624 60	91 00	270 22	4780 03	17 51	-1049 24	2 00	-125 83	1049 30	
4	6124 60	91 00	270 22	4771 30	19 43	-1549 17	0 00	0 00	1549 23	
5	6275 20	94 00	269 95	4764 73	19 65	-1699 51	2 00	-5 13	1699 67	
6	6503 20	94 00	269 95	4748 83	19 46	-1927 05	0 00	0 00	1927 11	
7	6674 62	90 57	269 95	4741 99	19 30	-2098 31	2 00	-179 97	2098 37	
8	8979 46	90 57	269 95	4719 00	17 23	-4403 03	0 00	0 00	4403 07	PBHL(Cottonwood #2)

Project: Eddy County
Site: Cottonwood "KI" Fed Com #2H
Well: Cottonwood KI Fed #2
Wellbore: ST1
Plan: Plan #4 (Cottonwood KI Fed #2/ST1)



Vertical Section at 270.22° (200 ft/in)

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: No north reference data is available

Plan Plan #4 (Cottonwood KI Fed #2/ST1)

Created By: Nate Bingham Date: 7 56, December 31 2008
Checked: _____ Date: _____