

Results of Directional Survey

API number:	30-025-40001		
OGRID:		Operator:	YATES PETROLEUM CORPORATION
		Property:	ZAPATA BQZ STATE COM # 1H

surface	ULSTR:	N	02	T 26S	R 32E
				330 FSL	2180 FWL

BH Loc	ULSTR:	C	02	T 26S	R 32E
13660	MD	9130.7	TVD	4960 FSL	1943 FWL
				320 FNL	

Top Perf/OH	ULSTR:	N	02	T 26S	R 32E
9370	MD	9143.1	TVD	680 FSL	2125 FWL

Bot Perf/OH	ULSTR:	C	02	T 26S	R 32E
13555	MD	9131.1	TVD	4918 FSL	1949 FWL
				362 FNL	

	MD	N/S	E/W	VD
	9347	327.42	-52.75	9141.41
TOP PERFS/OH	9370	350.27	-54.80	9143.05
	9378	358.22	-55.51	9143.62
	13514	4589.17	-228.79	9131.28
BOT PERFS/OH	13555	4587.83	-231.21	9131.09
	13611	4586.00	-234.52	9130.83

NEXT TO LAST	13611	4586.00	-234.52	9130.83
LAST READING	13666	4634.93	-237.13	9130.72
TD	13660	4629.59	-236.85	9130.73

Surface Location	330	FS	2180	FW
Projected BHL	4960	FS	1943	FW
Location of				
Top Perfs/OH	680	FS	2125	FW
Bottom Perfs/OH	4918	FS	1949	FW

SUMMARY of Subsurface Locations

Surface Location	N-02-26S-32E	330	FS	2180	FW	Vert. Depth
Top Perfs/OH	N-02-26S-32E	680	FS	2125	FW	9143.05
Bottom Perfs/OH	C-02-26S-32E	4918	FS	1949	FW	9131.09
Projected TD	C-02-26S-32E	4960	FS	1943	FW	9130.73



Project: Lea County
Site: Zapata BQZ State Com
Well: Well #1H
Wellbore: OH
Plan: Plan #3 (Well #1H/OH)

HOBBS OCD

DEC 09 2011

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PATHFINDER®

A Schlumberger Company



Azimuths to Grid North
True North: -0.36°
Magnetic North: 7.24°

Magnetic Field
Strength: 48511.2nT
Dip Angle: 60.03°
Date: 06/24/2011
Model: IGRF2010

WELL DETAILS: Well #1H

Ground Elevation: 3256.00
RKB Elevation: RKB to MSL @ 3277.50ft (Patterson 36)
Rig Name: Patterson 36

+N-S	+E-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	388394.37	753878.81	32.0659186	-103.6472057	

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	8576.00	0.75	184.86	8575.05	-57.11	-24.49	0.00	0.00	-55.76	
2	8658.00	0.75	184.86	8657.04	-58.18	-24.58	0.00	0.00	-56.83	
3	9406.70	90.00	357.36	9135.91	413.96	-47.17	12.12	172.50	415.86	
4	13684.02	90.00	357.36	9136.00	4686.75	-244.13	0.00	0.00	4693.10	Zapata BQZ BHL

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting	Shape
Zapata BQZ BHL	9136.00	4686.75	-244.13	393081.12	753634.68	Point

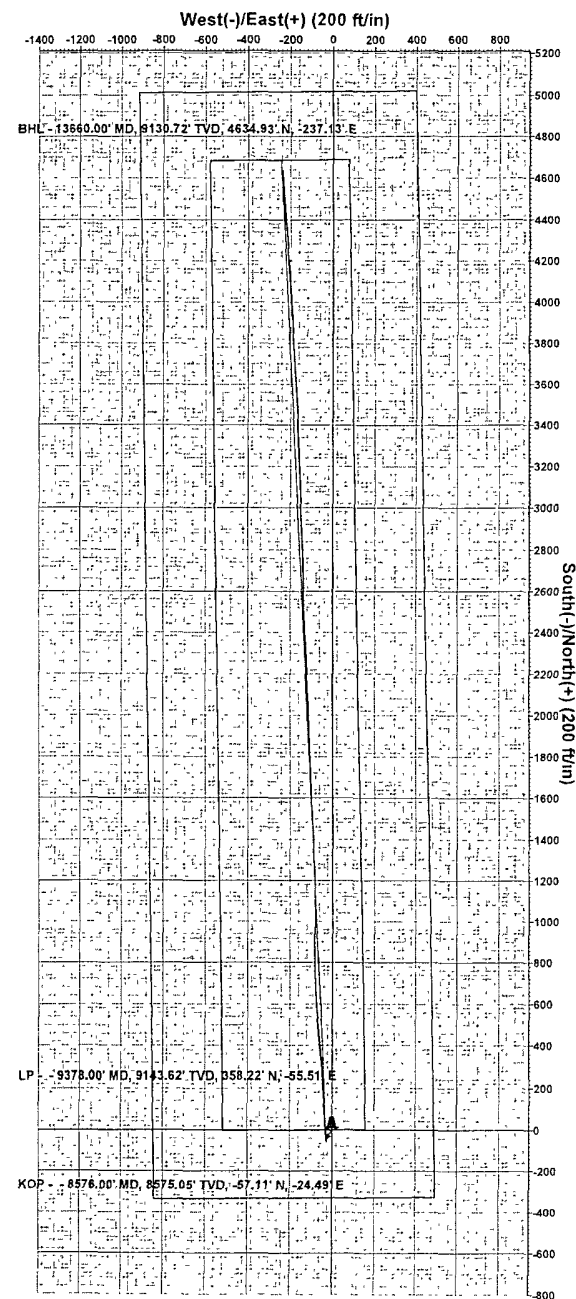
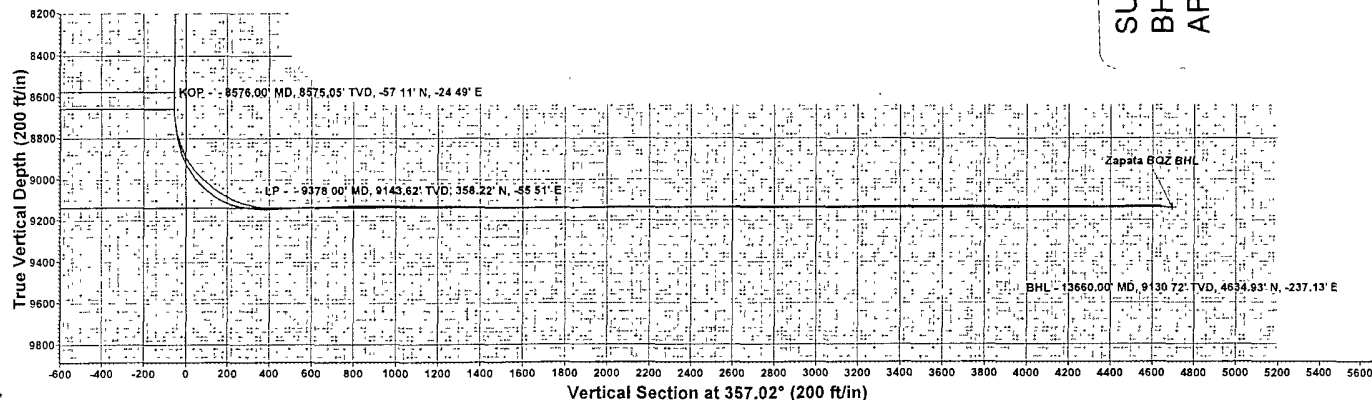
PROJECT DETAILS Lea County
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level
Local North: Grid

TARGET CENTERLINE

TVD @ 0° VS. 9,136'

Dip Angle: 0° Dip



SUR: N-2-26s-32e, 330/S & 2180/W
BHL: C-2-26s-32e, 4960/S & 1943/W
API # 30-025-40001

Plan Plan #3 (Well #1H/OH)

Created By: Kurt Otto Date: 8-25, July 14 2011