

WELL LOGS

K 7

API number:	30-025-38736			
OGRID:		Operator:	MARBOB ENERGY CORP	
		Property:	MAGNUM PRONTO STATE	# 3

surface	ULSTR:	C	32	T	19S	R	32E
			330	FNL	1980	FWL	

BH Loc	ULSTR:	F	32	T	19S	R	32E
			2310	FNL	1977	FWL	

Ground Level:	3544	DF:	3561	KB:	3562
Datum:	KB			TD:	11044

Land: **STATE**

Completion Date: (1)	6/11/2008
Date Logs Received:	7/22/2008 *** <i>LATE</i> ***
Date Logs Due in: (2)	7/1/2008

Confidential:	NO			Date out:	
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Confidential period: 90 Days for State & Fee, 1 Year for federal

Date Due In (1) is equal to Completion Date (1) + 20 days

Logs	Depth interval		
DSN/SDL	200	9958	Spectral Density Dual Spaced Neutron
DLL/MGRD	4008	10016	Dual Laterolog Micro Guard Log

K 7

OCD TOPS

Rustler	882	Strawn			
Tansill		Atoka			
Yates	2387	Morrow			
7R	2696				
		Austin			
Capitan Reef	2847	Chester			
		Miss Lime			
Delaware Sd	4443				
Bone Spring	7187				
1st Sd	8434				
2nd Carb	8637				
2nd Sd	9097				
3rd Carb	9483				
3rd Sd	9879				
Wolfcamp					

Results of Directional Survey

API number:	30-025-38736		
OGRID:		Operator:	MARBOB ENERGY CORP
		Property:	MAGNUM PRONTO STATE # 3

surface	ULSTR:	C	32	T	19S	R	32E
			330	FNL	1980	FWL	

BH Loc	ULSTR:	F	32	T	19S	R	32E
			2310	FNL	1977	FWL	

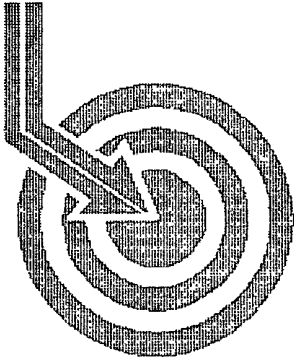
	MD	N/S	E/W	VD
	9426	-365.20	14.45	9245.28
TOP PERFS/OH	9440	-378.76	14.49	9248.75
	9458	-396.20	14.54	9253.20
	10911	-1847.20	2.93	9281.39
BOT PERFS/OH	10950	-1886.15	1.00	9281.72
	10974	-1910.12	-0.18	9281.92

NEXT TO LAST	10974	-1910.12	-0.18	9281.92
LAST READING	10989	-1925.10	-0.85	9282.00
TD	11044	-1980.03	-3.31	9282.29

Surface Location	330	FN	1980	FW
Projected BHL	2310	FN	1977	FW
Location of				
Top Perfs/OH	709	FN	1994	FW
Bottom Perfs/OH	2216	FN	1981	FW

SUMMARY of Subsurface Locations

Surface Location	C-32-19S-32E	330	FN	1980	FW	Vert Depth
Top Perfs/OH	C-32-19S-32E	709	FN	1994	FW	9248.75
Bottom Perfs/OH	F-32-19S-32E	2216	FN	1981	FW	9281.72
Projected TD	F-32-19S-32E	2310	FN	1977	FW	9282.29



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JUN 09 2008

SUR: C-32-19s-32e, 330/N & 1980/W
BHL: F-32-19s-32e, 2310/N & 1977/W
API #30-025-38736

MARBOB ENERGY

Field: Greenwood
Site: Lea County, NM
Well: Magnum Pronto #3H
Wellpath: VH - Job #32K0508305
Survey: 05/02/08

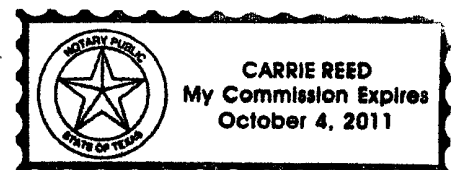
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HOBBS OCD

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

.....Richard.....Company Representative

Notorized this date 6th of June, 2008.

Carrie Reed
Notary Signature
County of Midland
State of Texas





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Survey Report

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JUN 22 2008

HOBBS OGD

Company: MARBOB ENERGY Date: 06/05/2008 Time: 15:15:53 Page: 1
Field: Greenwood Co-ordinate(NE) Reference: Site: Lea County, NM, True North
Site: Lea County, NM Vertical (TVD) Reference: SITE 0.0
Well: Magnum Pronto #3H Section (VS) Reference: Well (0.00N,0.00E,1.62Azi)
Wellpath: VH - Job #32K0508305 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 05/02/08 Start Date: 05/02/2008
KSRG 0'-9700'
Company: Scientific Drilling Internatio Engineer: Garza w/P&M
Tool: Keeper, Keeper Gyro Tied-to: From Surface

Survey

MD ft	Incl deg	Azlm deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.21	192.02	100.00	-0.18	-0.18	-0.04	0.21	0.18	192.02
200.00	0.28	237.07	200.00	-0.50	-0.49	-0.28	0.20	0.57	209.80
300.00	0.36	208.75	300.00	-0.92	-0.90	-0.64	0.17	1.10	215.33
400.00	0.34	204.98	400.00	-1.47	-1.44	-0.91	0.03	1.71	212.33
500.00	0.27	206.82	499.99	-1.95	-1.92	-1.15	0.07	2.24	210.78
600.00	0.70	241.18	599.99	-2.48	-2.43	-1.79	0.50	3.01	216.36
700.00	1.06	247.97	699.98	-3.16	-3.07	-3.18	0.37	4.42	226.01
800.00	1.19	248.19	799.96	-3.94	-3.80	-5.00	0.13	6.28	232.76
900.00	1.16	245.21	899.94	-4.80	-4.61	-6.88	0.07	8.29	236.18
1000.00	0.97	254.66	999.92	-5.50	-5.26	-8.62	0.26	10.10	238.60
1100.00	0.51	259.32	1099.91	-5.84	-5.57	-9.87	0.46	11.33	240.58
1200.00	0.56	275.48	1199.91	-5.91	-5.60	-10.80	0.16	12.16	242.57
1300.00	0.40	265.27	1299.90	-5.91	-5.58	-11.63	0.18	12.90	244.35
1400.00	0.20	267.60	1399.90	-5.96	-5.62	-12.15	0.20	13.39	245.18
1500.00	0.19	316.18	1499.90	-5.86	-5.51	-12.44	0.16	13.61	246.12
1600.00	0.34	281.46	1599.90	-5.69	-5.33	-12.85	0.21	13.91	247.47
1700.00	0.34	5.70	1699.90	-5.34	-4.98	-13.11	0.46	14.02	249.21
1800.00	0.38	5.34	1799.90	-4.72	-4.35	-13.05	0.04	13.76	251.56
1900.00	0.49	51.68	1899.90	-4.11	-3.76	-12.68	0.36	13.23	253.51
2000.00	1.07	59.51	1999.89	-3.34	-3.02	-11.54	0.59	11.93	255.36
2100.00	1.30	65.10	2099.86	-2.34	-2.07	-9.71	0.26	9.93	257.99
2200.00	1.42	67.92	2199.84	-1.33	-1.12	-7.53	0.14	7.62	261.53
2300.00	1.35	73.06	2299.81	-0.46	-0.31	-5.26	0.14	5.27	266.60
2400.00	1.22	83.16	2399.78	0.07	0.16	-3.07	0.26	3.08	272.93
2500.00	0.98	78.78	2499.76	0.42	0.45	-1.18	0.25	1.26	290.94
2600.00	1.01	90.48	2599.75	0.62	0.61	0.54	0.21	0.82	41.67
2700.00	0.85	86.16	2699.74	0.71	0.65	2.16	0.17	2.26	73.24
2800.00	0.98	87.57	2799.72	0.84	0.74	3.76	0.13	3.83	78.89
2900.00	0.99	81.27	2899.71	1.06	0.91	5.47	0.11	5.54	80.60
3000.00	0.98	82.38	2999.69	1.35	1.15	7.17	0.02	7.26	80.89
3100.00	1.14	83.79	3099.68	1.62	1.37	9.00	0.16	9.11	81.34
3200.00	1.25	77.73	3199.65	2.02	1.71	11.06	0.17	11.19	81.21
3300.00	1.35	83.74	3299.63	2.45	2.07	13.30	0.17	13.46	81.15
3400.00	1.37	83.31	3399.60	2.78	2.34	15.65	0.02	15.83	81.51
3500.00	1.28	98.77	3499.57	2.81	2.31	17.95	0.37	18.09	82.67
3600.00	1.10	127.18	3599.55	2.12	1.56	19.81	0.61	19.88	85.51
3700.00	0.97	139.34	3699.54	0.93	0.33	21.13	0.25	21.13	89.09
3800.00	0.80	147.64	3799.53	-0.27	-0.90	22.06	0.21	22.07	92.33
3900.00	0.72	144.63	3899.52	-1.35	-2.00	22.79	0.09	22.88	95.01
4000.00	0.48	124.29	3999.51	-2.08	-2.75	23.50	0.32	23.66	96.67
4100.00	0.30	152.87	4099.51	-2.54	-3.22	23.97	0.26	24.18	97.64
4200.00	0.28	149.98	4199.51	-2.98	-3.66	24.21	0.02	24.49	98.60
4300.00	0.42	77.86	4299.51	-3.10	-3.80	24.69	0.43	24.98	98.74
4400.00	0.49	70.53	4399.50	-2.86	-3.58	25.45	0.09	25.70	98.00
4500.00	0.37	67.78	4499.50	-2.57	-3.31	26.15	0.12	26.36	97.22
4600.00	0.35	63.05	4599.50	-2.30	-3.05	26.73	0.04	26.90	96.51
4700.00	0.33	63.51	4699.50	-2.01	-2.78	27.26	0.02	27.40	95.83
4800.00	0.26	48.82	4799.49	-1.72	-2.51	27.68	0.10	27.80	95.17



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Survey Report

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Company: MARBOB ENERGY
Field: Greenwood
Site: Lea County, NM
Well: Magnum Pronto #3H
Wellpath: VH- Job #32K0508305

Date: 06/05/2008 Time: 15:15:53 Page: 2
Co-ordinate(N/E) Reference: Site: Lea County, NM, True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,1.62Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

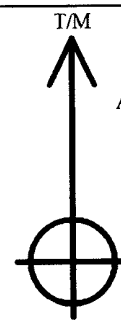
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MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.00	0.45	39.61	4899.49	-1.26	-2.05	28.11	0.20	28.18	94.18
5000.00	0.37	36.16	4999.49	-0.68	-1.49	28.55	0.08	28.58	92.99
5100.00	0.40	30.88	5099.49	-0.11	-0.93	28.92	0.05	28.93	91.84
5200.00	0.41	13.93	5199.49	0.54	-0.28	29.18	0.12	29.18	90.56
5300.00	0.47	349.39	5299.48	1.29	0.47	29.19	0.20	29.20	89.08
5400.00	0.38	10.32	5399.48	2.02	1.20	29.18	0.18	29.20	87.65
5500.00	0.47	349.34	5499.48	2.75	1.93	29.16	0.18	29.22	86.22
5600.00	0.43	352.13	5599.47	3.52	2.70	29.03	0.05	29.16	84.69
5700.00	0.51	335.35	5699.47	4.29	3.48	28.79	0.16	29.00	83.12
5800.00	0.68	322.27	5799.47	5.15	4.35	28.25	0.22	28.58	81.25
5900.00	0.71	325.20	5899.46	6.10	5.33	27.53	0.05	28.04	79.05
6000.00	0.63	314.49	5999.45	6.98	6.22	26.78	0.15	27.50	76.92
6100.00	0.66	321.49	6099.45	7.79	7.06	26.03	0.08	26.97	74.83
6200.00	0.71	321.55	6199.44	8.70	7.99	25.29	0.05	26.52	72.46
6300.00	0.85	319.25	6299.43	9.73	9.04	24.42	0.14	26.04	69.68
6400.00	0.87	313.80	6399.42	10.78	10.13	23.39	0.08	25.49	66.58
6500.00	0.74	309.44	6499.41	11.69	11.06	22.34	0.14	24.93	63.65
6600.00	0.71	317.97	6599.40	12.53	11.93	21.43	0.11	24.53	60.88
6700.00	0.77	302.37	6699.39	13.33	12.75	20.44	0.21	24.10	58.04
6800.00	0.79	313.30	6799.38	14.13	13.59	19.38	0.15	23.66	54.96
6900.00	0.52	317.70	6899.38	14.91	14.40	18.57	0.27	23.49	52.21
7000.00	0.68	320.58	6999.37	15.69	15.19	17.89	0.16	23.47	49.66
7100.00	0.83	324.29	7099.36	16.71	16.24	17.09	0.16	23.57	46.46
7200.00	0.76	324.95	7199.35	17.82	17.37	16.28	0.07	23.81	43.15
7300.00	0.52	320.61	7299.35	18.69	18.26	15.61	0.24	24.03	40.53
7400.00	0.52	339.53	7399.34	19.46	19.04	15.17	0.17	24.34	38.55
7500.00	0.81	2.88	7499.33	20.58	20.17	15.04	0.39	25.16	36.72
7600.00	0.88	356.11	7599.32	22.06	21.64	15.03	0.12	26.35	34.78
7700.00	0.90	356.21	7699.31	23.60	23.19	14.92	0.02	27.58	32.76
7800.00	0.44	332.79	7799.30	24.72	24.31	14.70	0.53	28.41	31.15
7900.00	0.53	352.41	7899.30	25.51	25.11	14.46	0.19	28.98	29.93
8000.00	0.66	324.85	7999.30	26.43	26.04	14.07	0.31	29.60	28.37
8100.00	0.63	301.65	8099.29	27.17	26.80	13.27	0.26	29.91	26.33
8200.00	0.72	320.17	8199.28	27.91	27.57	12.40	0.23	30.23	24.21
8300.00	0.58	305.32	8299.28	28.67	28.35	11.58	0.22	30.62	22.22
8400.00	0.36	286.95	8399.27	29.03	28.73	10.87	0.26	30.72	20.72
8500.00	0.42	264.41	8499.27	29.07	28.79	10.20	0.16	30.54	19.51
8600.00	0.36	242.49	8599.27	28.87	28.61	9.56	0.16	30.16	18.48
8700.00	0.39	272.98	8699.27	28.72	28.48	8.94	0.20	29.85	17.43
8800.00	0.57	277.27	8799.26	28.78	28.56	8.11	0.18	29.69	15.85
8900.00	0.86	280.39	8899.26	28.94	28.76	6.88	0.29	29.57	13.45
9000.00	0.85	290.11	8999.24	29.29	29.15	5.44	0.15	29.65	10.57
9100.00	0.81	285.27	9099.23	29.69	29.59	4.06	0.08	29.87	7.82
9200.00	0.57	283.11	9199.23	29.96	29.89	2.90	0.24	30.03	5.53
9300.00	0.49	278.87	9299.22	30.11	30.07	1.99	0.09	30.14	3.79
9400.00	0.22	257.77	9399.22	30.12	30.09	1.38	0.30	30.13	2.62
9500.00	0.12	217.46	9499.22	29.99	29.97	1.13	0.15	29.99	2.16
9600.00	0.47	200.16	9599.22	29.52	29.50	0.92	0.36	29.52	1.79
9700.00	0.51	176.34	9699.21	28.69	28.67	0.81	0.21	28.69	1.62



Scientific
Drilling

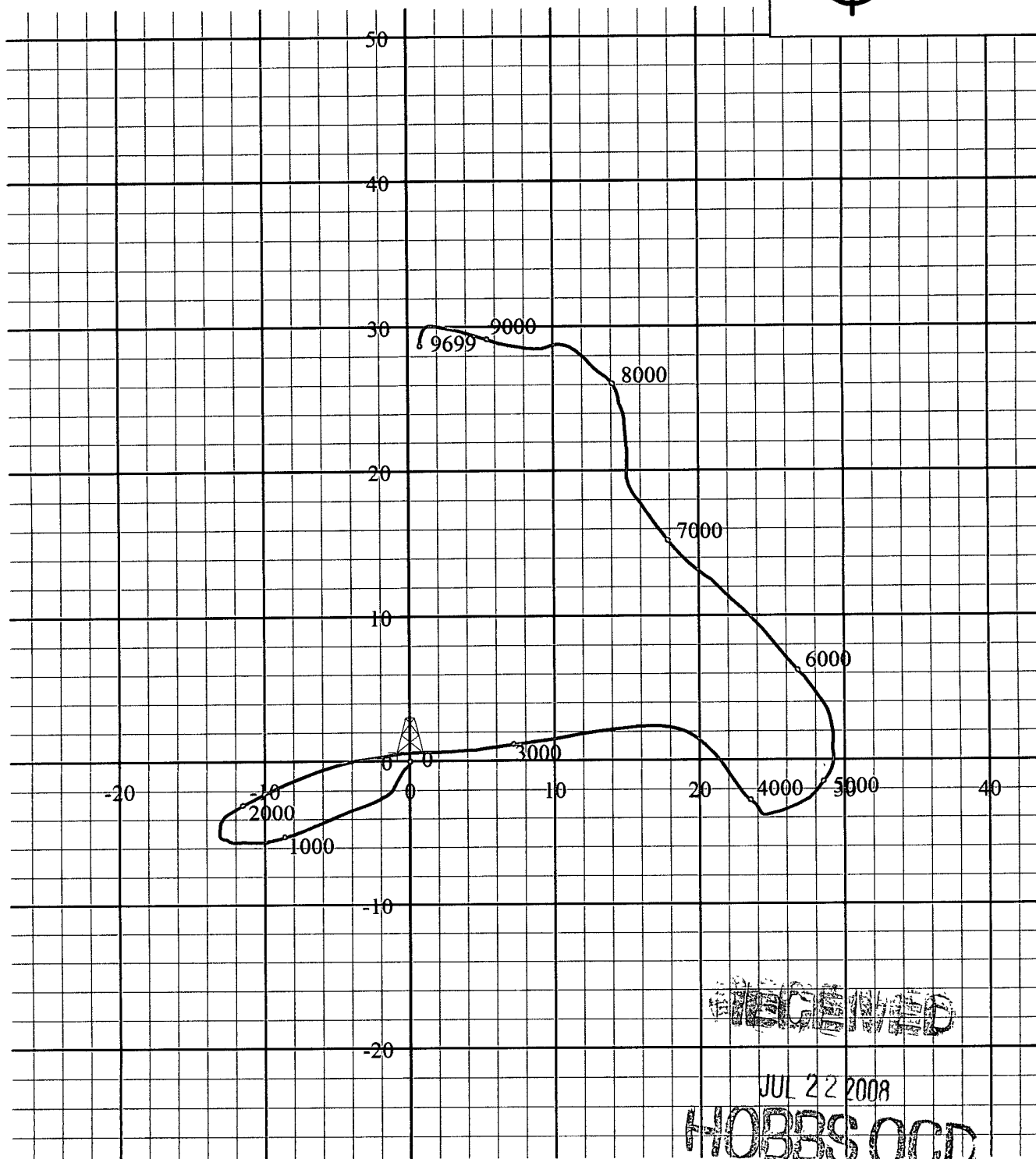
Field: Greenwood
Site: Lea County, NM
Well: Magnum Pronto #3H
Wellpath: VH - Job #32K0508305
Survey: 05/02/08



Azimuths to True North
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 06/05/2008
Model: igrf2000

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



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

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Marbob

Magnum Pronto #3H

Magnum Pronto #3H

Magnum Pronto #3H

Original Hole

Survey: MWD

Pathfinder Standard X & Y Report

13 May, 2008

HOBBS OGD
JUL 22 2008

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ORIGINAL



Azimuths to Grid North
True North: -0.29°
Magnetic North: 7.78°

Magnetic Field
Strength: 49167.8snT
Dip Angle: 60.61°
Date: 5/3/2008
Model: IGRF200510



WELL DETAILS Magnum Pronto #3H							
Ground Elevation : 3544 00							
RKB Elevation EST RKB @ 3544 00ft							
Rig Name.							
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
0 00	0 00	590641.400	667272 000	32° 37' 23 345 N	103° 47' 24 122 W		

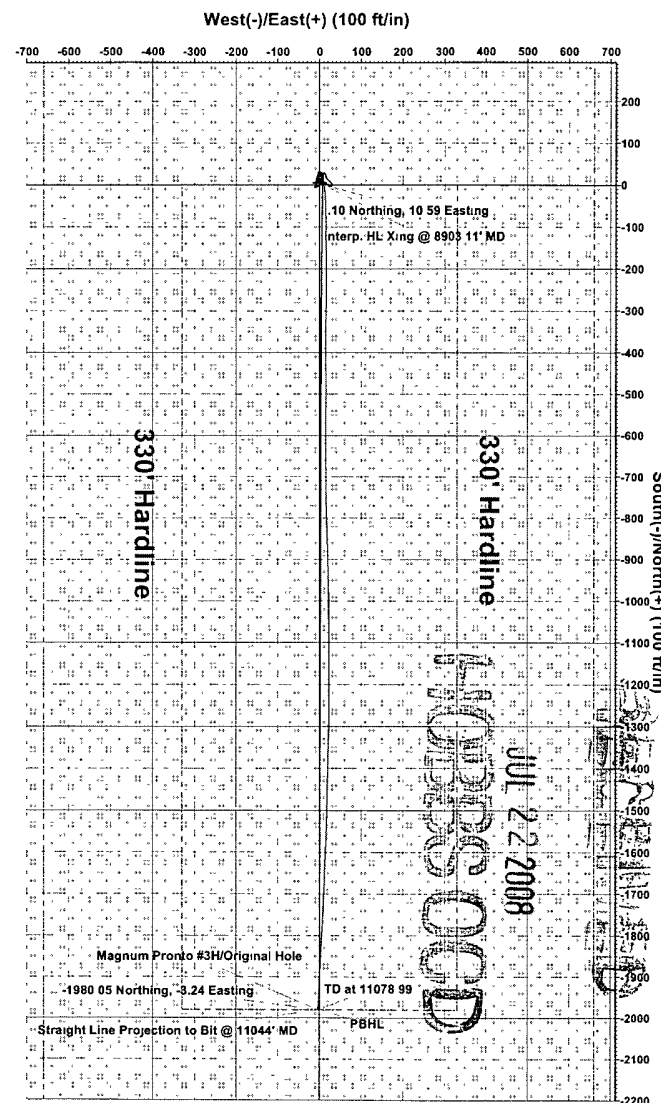
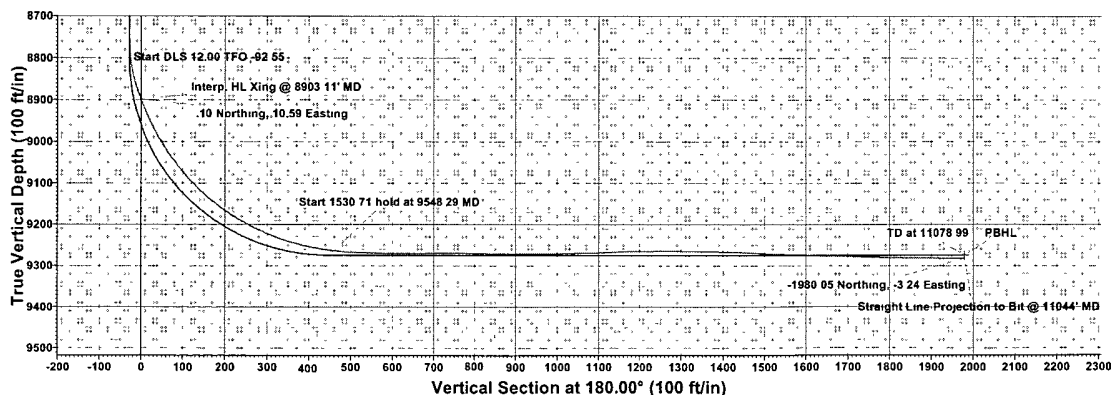
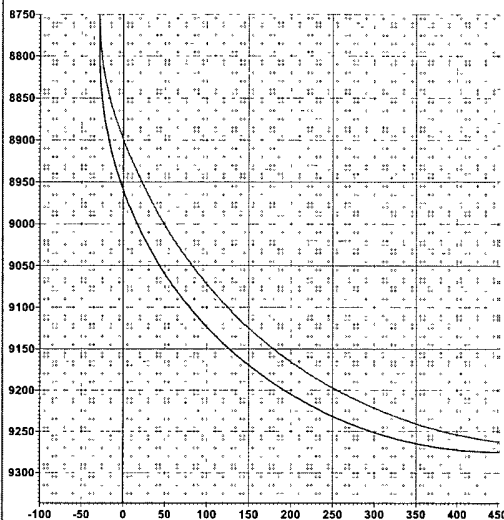
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	8700 00	0 39	272.69	8699 27	28 53	8 80	0 00	0 00	-28.53	
2	8798 14	0 39	272.69	8797 40	28 56	8 13	0 00	0 00	-28 56	
3	9548 29	90 00	180 14	9275 00	-448 90	3 70	12 00	-92 55	448 90	
4	11078 99	90 00	180 14	9275 00	-1979 60	-0 10	0 00	0 00	1979 60	PBHL

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape Point
PBHL	9275 00	-1979 60	-0 10	58861 600	667271 900	

PROJECT DETAILS. Magnum Pronto #3H
Geodetic System. US State Plane 1927 (Exact solution)
Datum. NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone. New Mexico East 3001
System Datum: Mean Sea Level
Local North: Grid

Project: Magnum Pronto #3H
Site: Magnum Pronto #3H
Well: Magnum Pronto #3H
Wellbore: Original Hole
Plan: Plan #2 (Magnum Pronto #3H/Original Hole)

EOW



Plan: Plan #2 (Magnum Pronto #3H/Original Hole)			
Created By	Mark Freeman	Date	15 56, May 13 2008
Checked		Date	

WHS

Pathfinder Standard X & Y Report

Company: Marbob
Project: Magnum Pronto #3H
Site: Magnum Pronto #3H
Well: Magnum Pronto #3H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Magnum Pronto #3H
TVD Reference: EST RKB @ 3544.00ft
MD Reference: EST RKB @ 3544.00ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Project Magnum Pronto #3H

Map System: US State Plane 1927 (Exact solution)
Geo Datum: NAD 1927 (NADCON CONUS)
Map Zone: New Mexico East 3001

System Datum: Mean Sea Level

Site Magnum Pronto #3H

Site Position:		Northing:	590,841 400 ft	Latitude:	32° 37' 23.345 N
From:	Map	Easting:	667,272 000 ft	Longitude:	103° 47' 24.122 W
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence:	0.29 °

Well Magnum Pronto #3H

Well Position	+N/-S	0.00 ft	Northing:	590,841.400 ft	Latitude:	32° 37' 23 345 N
	+E/-W	0.00 ft	Easting:	667,272 000 ft	Longitude:	103° 47' 24.122 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	3,544.00 ft

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	5/3/2008	8.08	60.61	49,168

Design Original Hole

Audit Notes:

Version: 1.0 **Phase:** ACTUAL **Tie On Depth:** 0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	180.00

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WHS
Pathfinder Standard X & Y Report

Company:	Marbob	Local Co-ordinate Reference:	Well Magnum Pronto #3H
Project:	Magnum Pronto #3H	TVD Reference:	EST RKB @ 3544.00ft
Site:	Magnum Pronto #3H	MD Reference:	EST RKB @ 3544.00ft
Well:	Magnum Pronto #3H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM 2003.16 Single User Db

Survey Program		Date 5/13/2008			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
100.00	8,700.00	Gyro (Original Hole)	CB-GYRO-MS	Camera based gyro multishot	
8,717.00	11,044.00	MWD (Original Hole)	MWD	MWD - Standard	

Survey										
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	TFace (°)	
8,700.00	0.39	272.69	8,699.27	5,155.27	28.53	8.80	-28.53	0.00	0.00	
8,717.00	0.62	281.54	8,716.27	5,172.27	28.55	8.65	-28.55	1.42	23.19	
8,749.00	0.79	235.99	8,748.26	5,204.26	28.46	8.30	-28.46	1.77	-96.75	
8,780.00	3.34	188.34	8,779.24	5,235.24	27.45	7.99	-27.45	9.25	-59.38	
8,811.00	8.00	177.60	8,810.08	5,266.08	24.39	7.95	-24.39	15.35	-18.22	
8,843.00	13.10	174.15	8,841.53	5,297.53	18.56	8.41	-18.56	16.05	-8.76	
8,874.00	18.20	173.40	8,871.37	5,327.37	10.25	9.33	-10.25	16.46	-2.63	
8,919.00	22.95	172.50	8,913.49	5,369.49	-5.44	11.28	5.44	10.58	-4.23	
8,951.00	25.41	174.62	8,942.68	5,398.68	-18.46	12.74	18.46	8.15	20.41	
8,983.00	28.14	176.46	8,971.25	5,427.25	-32.83	13.85	32.83	8.91	17.71	
9,015.00	30.78	178.54	8,999.11	5,455.11	-48.55	14.52	48.55	8.85	22.09	
9,045.00	33.85	178.96	9,024.46	5,480.46	-64.58	14.87	64.58	10.26	4.36	
9,077.00	37.11	179.23	9,050.51	5,506.51	-83.15	15.16	83.15	10.20	2.86	
9,109.00	39.75	179.58	9,075.58	5,531.58	-103.04	15.37	103.04	8.28	4.85	
9,141.00	43.09	180.03	9,099.57	5,555.57	-124.21	15.44	124.21	10.48	5.26	
9,172.00	46.78	179.27	9,121.51	5,577.51	-146.10	15.57	146.10	12.03	-8.55	
9,204.00	50.39	179.05	9,142.68	5,598.68	-170.09	15.93	170.09	11.29	-2.69	
9,236.00	53.64	179.53	9,162.37	5,618.37	-195.30	16.24	195.30	10.22	6.79	
9,268.00	57.42	180.00	9,180.48	5,636.48	-221.68	16.34	221.68	11.87	5.99	
9,299.00	61.03	180.12	9,196.34	5,652.34	-248.31	16.31	248.31	11.65	1.67	
9,330.00	64.10	181.16	9,210.62	5,666.62	-275.82	16.00	275.82	10.34	16.98	

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Pathfinder Standard X & Y Report

Company:	Marbob	Local Co-ordinate Reference:	Well Magnum Pronto #3H
Project:	Magnum Pronto #3H	TVD Reference:	EST RKB @ 3544.00ft
Site:	Magnum Pronto #3H	MD Reference:	EST RKB @ 3544.00ft
Well:	Magnum Pronto #3H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	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)	TFace (°)	
9,362.00	67.01	181.26	9,223.86	5,679.86	-304.94	15.39	304.94	9.10	1.81	
9,394.00	70.43	180.98	9,235.47	5,691.47	-334.75	14.81	334.75	10.72	-4.41	
9,426.00	73.86	180.35	9,245.28	5,701.28	-365.20	14.45	365.20	10.88	-10.01	
9,458.00	77.47	179.34	9,253.20	5,709.20	-396.20	14.54	396.20	11.69	-15.29	
9,490.00	80.81	179.41	9,259.23	5,715.23	-427.62	14.88	427.62	10.44	1.19	
9,521.00	83.45	179.57	9,263.48	5,719.48	-458.32	15.16	458.32	8.53	3.45	
9,552.00	85.74	180.18	9,266.40	5,722.40	-489.18	15.22	489.18	7.64	14.88	
9,583.00	87.76	180.75	9,268.15	5,724.15	-520.13	14.97	520.13	6.77	15.75	
9,615.00	88.29	180.12	9,269.26	5,725.26	-552.11	14.73	552.11	2.57	-49.92	
9,647.00	88.72	180.30	9,270.09	5,726.09	-584.10	14.61	584.10	1.46	22.71	
9,679.00	90.31	179.91	9,270.36	5,726.36	-616.10	14.55	616.10	5.12	-13.78	
9,710.00	90.66	179.81	9,270.10	5,726.10	-647.10	14.63	647.10	1.17	-15.94	
9,773.00	90.22	179.69	9,269.62	5,725.62	-710.09	14.90	710.09	0.72	-164.74	
9,869.00	88.90	178.34	9,270.35	5,726.35	-806.07	16.55	806.07	1.97	-134.36	
9,964.00	89.96	177.94	9,271.30	5,727.30	-901.02	19.64	901.02	1.19	-20.68	
10,027.00	90.31	179.08	9,271.15	5,727.15	-963.99	21.28	963.99	1.89	72.93	
10,059.00	90.31	179.17	9,270.98	5,726.98	-995.99	21.76	995.99	0.28	90.00	
10,153.00	92.51	179.91	9,268.66	5,724.66	-1,089.95	22.52	1,089.95	2.47	18.58	
10,185.00	92.59	179.72	9,267.24	5,723.24	-1,121.92	22.62	1,121.92	0.64	-67.14	
10,249.00	91.01	180.31	9,265.23	5,721.23	-1,185.89	22.60	1,185.89	2.64	159.52	
10,281.00	90.48	180.15	9,264.81	5,720.81	-1,217.88	22.48	1,217.88	1.73	-163.20	
10,313.00	90.22	180.00	9,264.62	5,720.62	-1,249.88	22.43	1,249.88	0.94	-150.02	
10,345.00	89.78	179.86	9,264.62	5,720.62	-1,281.88	22.47	1,281.88	1.44	-162.35	
10,377.00	88.99	181.06	9,264.96	5,720.96	-1,313.88	22.22	1,313.88	4.49	123.37	
10,439.00	89.16	181.67	9,265.96	5,721.96	-1,375.85	20.74	1,375.85	1.02	74.43	
10,533.00	86.88	181.55	9,269.21	5,725.21	-1,469.75	18.10	1,469.75	2.43	-176.99	
10,565.00	86.70	181.25	9,271.00	5,727.00	-1,501.69	17.32	1,501.69	1.09	-121.01	

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Pathfinder Standard X & Y Report

Company: Marbob
Project: Magnum Pronto #3H
Site: Magnum Pronto #3H
Well: Magnum Pronto #3H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Magnum Pronto #3H
TVD Reference: EST RKB @ 3544.00ft
MD Reference: EST RKB @ 3544.00ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)	TFace (°)
10,596.00	87.67	181.33	9,272.53	5,728.53	-1,532.65	16.62	1,532.65	3.14	4.71
10,628.00	88.11	182.03	9,273.70	5,729.70	-1,564.61	15.69	1,564.61	2.58	57.84
10,658.00	87.85	182.19	9,274.76	5,730.76	-1,594.57	14.58	1,594.57	1.02	148.41
10,690.00	88.55	182.21	9,275.77	5,731.77	-1,626.53	13.35	1,626.53	2.19	1.64
10,721.00	89.78	182.39	9,276.22	5,732.22	-1,657.50	12.11	1,657.50	4.01	8.33
10,753.00	88.46	182.71	9,276.71	5,732.71	-1,689.47	10.69	1,689.47	4.24	166.38
10,785.00	87.58	182.69	9,277.81	5,733.81	-1,721.41	9.18	1,721.41	2.75	-178.70
10,815.00	87.49	182.79	9,279.10	5,735.10	-1,751.35	7.75	1,751.35	0.45	132.02
10,847.00	88.55	182.78	9,280.21	5,736.21	-1,783.29	6.19	1,783.29	3.31	-0.54
10,911.00	89.34	183.07	9,281.39	5,737.39	-1,847.20	2.93	1,847.20	1.31	20.16
10,974.00	89.69	182.59	9,281.92	5,737.92	-1,910.12	-0.18	1,910.12	0.94	-53.90
10,989.00	89.69	182.49	9,282.00	5,738.00	-1,925.10	-0.85	1,925.10	0.67	-90.00
11,044.00	89.69	182.49	9,282.30	5,738.30	-1,980.05	-3.24	1,980.05	0.00	0.00

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WHS

Pathfinder Standard X & Y Report

Company: Marbob Project: Magnum Pronto #3H Site: Magnum Pronto #3H Well: Magnum Pronto #3H Wellbore: Original Hole Design: Original Hole	Local Co-ordinate Reference: Well Magnum Pronto #3H TVD Reference: EST RKB @ 3544.00ft MD Reference: EST RKB @ 3544.00ft North Reference: Grid Survey Calculation Method: Minimum Curvature Database: EDM 2003.16 Single User Db
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Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PBHL - hit/miss target - Shape	0.00	0.00	9,275.00	-1,979.60	-0.10	588,861.800	667,271.900	32° 37' 3.756 N	103° 47' 24.242 W
- survey misses by 7.93ft at 11043.37ft MD (9282.30 TVD, -1979.43 N, -3.21 E) - Point									

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	+E/-W (ft)	Comment
8,903.11	8,898.77	0.49	10.51	Interp. HL Xing @ 8903.11' MD
8,903.11	8,898.77	0.49	10.51	.10 Northing, 10.59 Easting
11,044.00	9,282.30	-1,980.05	-3.24	Straight Line Projection to Bit @ 11044' MD
11,044.00	9,282.30	-1,980.05	-3.24	-1980.05 Northing, -3.24 Easting

Checked By: _____	Approved By: _____	Date: _____
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