



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Carlsbad Field Office

620 E. Greene St.

Carlsbad, NM 88220-6292



In reply refer to
3162 (522)
NM118720

RECEIVED

JUN 16 2008

June 13, 2008

HOBBS OCD

Your Reference:

NMNM 118720

B 52 Federal Com. # 2

330 FSL & 660 FEL, Sec. 5, T19S, R32E

Lea County, NM

30-025-38969

Marbob Energy Corp.

Attn: Nancy Agnew

P. O. Box 227

Artesia, NM 88211

FOR RECORD ONLY

CERTIFIED—RETURN RECEIPT REQUESTED

7006 0100 0003 0116 1792

Dear Ms. Agnew:

Recently, when preparing the above Application for Permit to Drill (APD) for approval, we inadvertently removed the Pathfinder Survey Report, Plan #1 from the drilling plan. That plan is enclosed in this letter. Please insert it into all copies of your approved APD for the B 52 # 2 Drilling Plan. Thank you for your cooperation.

Please accept our apology for this inconvenience.

If you have any questions, please contact Cheryle Ryan at (575) 234-5949.

Sincerely,

Cheryle Ryan

for Don Peterson
Assistant Field Manager, Minerals

Cc:

I&E-HFO

OCD-Hobbs

RECEIVED

JUN 16 2008

HOBBS OCD

Marbob

B-52 Federal #2

B-52 Federal #2

B-52 Federal #2

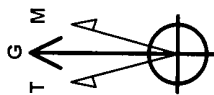
Original Hole

Plan: Plan #1

Pathfinder Survey Report

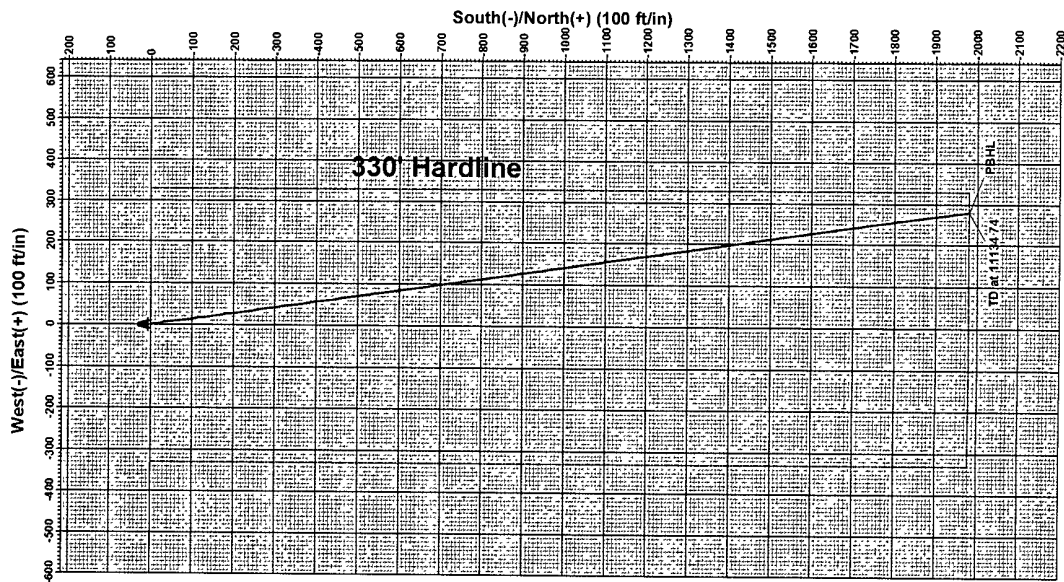
16 April, 2008

RECEIVED
JUN 16 2008 PM 3:50
BUREAU OF LAND MGMT
OFFICE



PATHFINDER

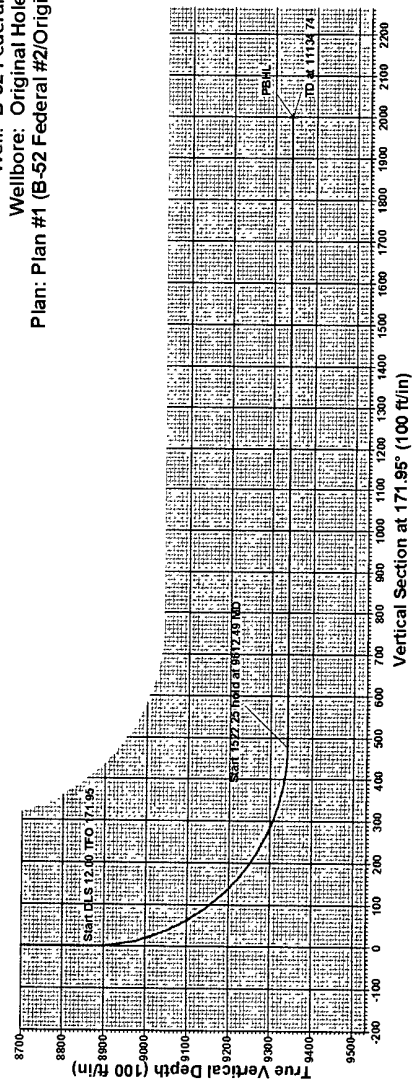
ENERGY SERVICES



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/S	+E/W	DJg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	8392.40	0.00	0.00	8392.50	0.00	0.00	0.00	0.00	0.00	
3	9852.40	90.00	171.95	9852.50	47.275	96.85	12.00	171.95	477.45	
4	11134.74	90.00	171.95	9340.00	-1980.00	230.00	0.00	0.00	1995.70	PBHL

PROJECT DETAILS B-52 Federal #2
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: B-52 Federal #2
Site: B-52 Federal #2
Well: B-52 Federal #2
Wellbore: Original Hole
Plan: Plan #1 (B-52 Federal #2/Original Hole)



WHS

Pathfinder Survey Report

Company: Marbob	Local Co-ordinate Reference: Well B-52 Federal #2
Project: B-52 Federal #2	TVD Reference: EST RKB @ 3676.00ft
Site: B-52 Federal #2	MD Reference: EST RKB @ 3676.00ft
Well: B-52 Federal #2	North Reference: Grid
Wellbore: Original Hole	Survey Calculation Method: Minimum Curvature
Design: Plan #1	Database: EDM 2003.16 Single User Db

Project	B-52 Federal #2		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	B-52 Federal #2				
Site Position:	Northing:	617,257.200ft	Latitude:	32° 41' 44.609 N	
From: Map	Easting:	669,754 100 ft	Longitude:	103° 46' 53.496 W	
Position Uncertainty:	0 00 ft	Slot Radius:	"	Grid Convergence:	0.30 °

Well	B-52 Federal #2					
Well Position	+N/-S	0 00 ft	Northing:	617,257.200 ft	Latitude:	32° 41' 44 609 N
	+E/-W	0 00 ft	Easting:	669,754 100 ft	Longitude:	103° 46' 53 496 W
Position Uncertainty	0 00 ft	Wellhead Elevation:	ft	Ground Level:	3,676.00 ft	

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF200510	4/16/2008	(°)	(°)	(nT)
			8.09	60.68	49,216

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0 00	0.00	171 95

Survey Tool Program	Date 4/16/2008			
From	To	Survey (Wellbore)	Tool Name	Description
(ft)	(ft)			
0.00	11,134 24	Plan #1 (Original Hole)	MWD	MWD - Standard

Planned Survey								
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	
0 00	0 00	0 00	0 00	0.00	0 00	0.00	0 00	0 00
100 00	0 00	0 00	100.00	0 00	0 00	0.00	0 00	0 00
200 00	0 00	0 00	200.00	0 00	0 00	0.00	0 00	0 00
300 00	0 00	0 00	300.00	0 00	0 00	0.00	0 00	0 00
400 00	0 00	0 00	400.00	0 00	0 00	0.00	0 00	0 00
500.00	0 00	0 00	500.00	0 00	0 00	0.00	0 00	0 00
600.00	0 00	0 00	600.00	0 00	0 00	0.00	0 00	0 00
700 00	0 00	0 00	700.00	0 00	0 00	0.00	0 00	0 00
800 00	0 00	0 00	800.00	0 00	0 00	0.00	0 00	0 00
900 00	0 00	0 00	900.00	0 00	0 00	0.00	0 00	0 00
1,000 00	0 00	0 00	1,000.00	0 00	0 00	0.00	0 00	0 00
1,100 00	0 00	0 00	1,100.00	0 00	0 00	0 00	0 00	0 00

WHS

Pathfinder Survey Report

Company: Marbob	Local Co-ordinate Reference: Well B-52 Federal #2
Project: B-52 Federal #2	TVD Reference: EST RKB @ 3676 00ft
Site: B-52 Federal #2	MD Reference: EST RKB @ 3676 00ft
Well: B-52 Federal #2	North Reference: Grid
Wellbore: Original Hole	Survey Calculation Method: Minimum Curvature
Design: Plan #1	Database: EDM 2003.16 Single User Db

Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00

WHS

Pathfinder Survey Report

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Site: B-52 Federal #2	MD Reference: EST RKB @ 3676.00ft
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Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,600.00	0.00	0.00	0.00	0.00
8,700.00	0.00	0.00	8,700.00	0.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,800.00	0.00	0.00	0.00	0.00
8,862.50	0.00	0.00	8,862.50	0.00	0.00	0.00	0.00
8,875.00	1.50	171.95	8,875.00	-0.16	0.02	0.16	12.00
8,900.00	4.50	171.95	8,899.96	-1.46	0.21	1.47	12.00
8,925.00	7.50	171.95	8,924.82	-4.04	0.57	4.08	12.00
8,950.00	10.50	171.95	8,949.51	-7.92	1.12	8.00	12.00
8,975.00	13.50	171.95	8,973.96	-13.06	1.85	13.19	12.00
9,000.00	16.50	171.95	8,998.11	-19.47	2.75	19.66	12.00
9,025.00	19.50	171.95	9,021.88	-27.12	3.83	27.39	12.00
9,050.00	22.50	171.95	9,045.22	-35.99	5.09	36.34	12.00
9,075.00	25.50	171.95	9,068.05	-46.05	6.51	46.51	12.00
9,100.00	28.50	171.95	9,090.33	-57.29	8.10	57.86	12.00

WHS

Pathfinder Survey Report

Company: Marbob	Local Co-ordinate Reference: Well B-52 Federal #2
Project: B-52 Federal #2	TVD Reference: EST RKB @ 3676.00ft
Site: B-52 Federal #2	MD Reference: EST RKB @ 3676.00ft
Well: B-52 Federal #2	North Reference: Grd
Wellbore: Original Hole	Survey Calculation Method: Minimum Curvature
Design: Plan #1	Database: EDM 2003.16 Single User Db

Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)
9,125.00	31.50	171.95	9,111.97	-69.67	9.85	70.36	12.00
9,150.00	34.50	171.95	9,132.94	-83.15	11.76	83.97	12.00
9,175.00	37.50	171.95	9,153.16	-97.69	13.82	98.67	12.00
9,200.00	40.50	171.95	9,172.59	-113.27	16.02	114.40	12.00
9,225.00	43.50	171.95	9,191.17	-129.83	18.36	131.12	12.00
9,250.00	46.50	171.95	9,208.84	-147.33	20.84	148.80	12.00
9,275.00	49.50	171.95	9,225.57	-165.73	23.44	167.38	12.00
9,300.00	52.50	171.95	9,241.30	-184.96	26.16	186.80	12.00
9,325.00	55.50	171.95	9,255.99	-204.99	28.99	207.03	12.00
9,350.00	58.50	171.95	9,269.61	-225.74	31.92	227.99	12.00
9,375.00	61.50	171.95	9,282.10	-247.18	34.95	249.64	12.00
9,400.00	64.50	171.95	9,293.45	-269.23	38.07	271.91	12.00
9,425.00	67.50	171.95	9,303.62	-291.84	41.27	294.75	12.00
9,450.00	70.50	171.95	9,312.58	-314.95	44.54	318.08	12.00
9,475.00	73.50	171.95	9,320.30	-338.49	47.87	341.86	12.00
9,500.00	76.50	171.95	9,326.77	-362.40	51.25	366.00	12.00
9,525.00	79.50	171.95	9,331.97	-386.61	54.67	390.45	12.00
9,550.00	82.50	171.95	9,335.88	-411.05	58.13	415.14	12.00
9,575.00	85.50	171.95	9,338.49	-435.67	61.61	440.00	12.00
9,600.00	88.50	171.95	9,339.80	-460.39	65.11	464.97	12.00
9,612.49	90.00	171.95	9,339.96	-472.75	66.85	477.45	12.00
9,700.00	90.00	171.95	9,339.97	-559.40	79.11	564.96	0.00
9,800.00	90.00	171.95	9,339.97	-658.41	93.11	664.96	0.00
9,900.00	90.00	171.95	9,339.97	-757.43	107.11	764.96	0.00
10,000.00	90.00	171.95	9,339.97	-856.44	121.11	864.96	0.00
10,100.00	90.00	171.95	9,339.98	-955.46	135.12	964.96	0.00
10,200.00	90.00	171.95	9,339.98	-1,054.47	149.12	1,064.96	0.00
10,300.00	90.00	171.95	9,339.98	-1,153.49	163.12	1,164.96	0.00
10,400.00	90.00	171.95	9,339.98	-1,252.50	177.12	1,264.96	0.00
10,500.00	90.00	171.95	9,339.99	-1,351.52	191.12	1,364.96	0.00
10,600.00	90.00	171.95	9,339.99	-1,450.53	205.13	1,464.96	0.00
10,700.00	90.00	171.95	9,339.99	-1,549.55	219.13	1,564.96	0.00
10,800.00	90.00	171.95	9,339.99	-1,648.56	233.13	1,664.96	0.00
10,900.00	90.00	171.95	9,339.99	-1,747.58	247.13	1,764.96	0.00
11,000.00	90.00	171.95	9,340.00	-1,846.59	261.13	1,864.96	0.00
11,100.00	90.00	171.95	9,340.00	-1,945.61	275.14	1,964.96	0.00
11,134.74	90.00	171.95	9,340.00	-1,980.00	280.00	1,999.70	0.00

WHS

Pathfinder Survey Report

Company: Marbob	Local Co-ordinate Reference: Well B-52 Federal #2
Project: B-52 Federal #2	TVD Reference: EST RKB @ 3676 00ft
Site: B-52 Federal #2	MD Reference: EST RKB @ 3676.00ft
Well: B-52 Federal #2	North Reference: Grid
Wellbore: Original Hole	Survey Calculation Method: Minimum Curvature
Design: Plan #1	Database: EDM 2003.16 Single User Db

Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
PBHL	0 00	0.00	9,340.00	-1,980.00	280.00	615,277 200	670,034 100	32° 41' 25 002 N	103° 46' 50.340 W
- plan hits target									
- Point									

Checked By: _____	Approved By: _____	Date: _____
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