

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised JUNE 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-34396	Pool Code 96830	Pool Name ARTESIA; GLORIETA-YESO (0)
Property Code	Property Name A STATE	Well Number 2
OGRID No. 14049	Operator Name MARBOB ENERGY CORPORATION	Elevation 3680'

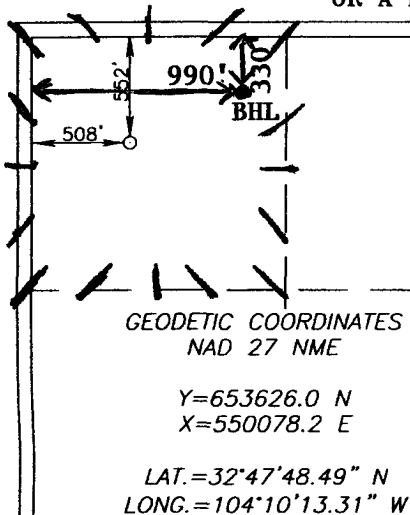
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	34	17-S	28-E		552	NORTH	508	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	34	17-S	28-E		330	NORTH	990	WEST	EDDY
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify the the information
contained herein is true and complete to the
best of my knowledge and belief.

Nancy T. Agnew
Signature

Nancy T. Agnew
Printed Name

Land Department
Title

January 22, 2007
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown
on this plat was plotted from field notes of
actual surveys made by me or under my
supervision, and that the same is true and
correct to the best of my belief.

OCTOBER 12, 2005

Date Surveyed LA

Signature & Seal of
Professional Surveyor

Ronald J. Edson
10/18/05
05.11.1534
Certificate No. RONALD J. EDSON 3239

Pathfinder Energy

Planning Report

Company: Marbob Energy		Date: 1/23/2007	Time: 15:44:01	Page: 1
Field: A State #2		Co-ordinate(NE) Reference: Site: A State #2, Grid North		
Site: A State #2		Vertical (TVD) Reference: SITE 0.0		
Well: A State #2		Section (VS) Reference: Well (0.00N,0.00E,65.44Azi)		
Wellpath: OH		Plan: Plan #1 1-23-07		

Field: A State #2	
Map System: US State Plane Coordinate System 1927	Map Zone: New Mexico, Eastern Zone
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Site Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: igrf2005

Site: A State #2	
Site Position:	Northing: 653626.00 ft
From: Map	Easting: 550078.20 ft
Position Uncertainty: 0.00 ft	Latitude: 32 47 48.486 N
Ground Level: 3680.00 ft	Longitude: 104 10 13.307 W
	North Reference: Grid
	Grid Convergence: 0.09 deg

Well: A State #2		Slot Name:	
Well Position:	+N/-S 0.00 ft	Northing: 653626.00 ft	Latitude: 32 47 48.486 N
	+E/-W 0.00 ft	Easting: 550078.20 ft	Longitude: 104 10 13.307 W
Position Uncertainty: 0.00 ft			

Wellpath: OH		Drilled From: Surface	
Current Datum: SITE	Height 0.00 ft	Tie-on Depth: 0.00 ft	
Magnetic Data: 1/23/2007		Above System Datum: Mean Sea Level	
Field Strength: 49379 nT		Declination: 8.42 deg	
Vertical Section: Depth From (TVD)	+N/-S ft	Mag Dip Angle: 60.73 deg	
		+E/-W ft	Direction deg
0.00	0.00	0.00	65.44

Plan: Plan #1 1-23-07	Date Composed: 1/23/2007
Principal: Yes	Version: 1
	Tied-to: From Surface

Plan Section Information										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1301.89	9.06	65.44	1300.64	9.90	21.66	3.00	3.00	21.68	65.44	
4237.86	9.06	65.44	4200.00	202.00	442.00	0.00	0.00	0.00	0.00	PBHL

Survey										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
0.00	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	0.00	
200.00	0.00	0.00	200.00	0.00	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	0.00	
400.00	0.00	0.00	400.00	0.00	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	0.00	
600.00	0.00	0.00	600.00	0.00	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	0.00	
800.00	0.00	0.00	800.00	0.00	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	0.00	
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP @ 1000' TVD/MD Begin
1100.00	3.00	65.44	1099.95	1.09	2.38	2.62	3.00	3.00	0.00	
1200.00	6.00	65.44	1199.63	4.35	9.52	10.46	3.00	3.00	0.00	
1300.00	9.00	65.44	1298.77	9.77	21.39	23.51	3.00	3.00	0.00	
1301.89	9.06	65.44	1300.64	9.90	21.66	23.81	3.00	3.00	0.00	End Build @ 1302' MD/ 130
1400.00	9.06	65.44	1397.52	16.32	35.70	39.25	0.00	0.00	0.00	
1500.00	9.06	65.44	1496.27	22.86	50.02	55.00	0.00	0.00	0.00	

Pathfinder Energy

Planning Report

Company: Marbob Energy
Field: A State #2
Site: A State #2
Well: A State #2
Wellpath: OH

Date: 1/23/2007
Co-ordinate(N/E) Reference: Site: A State #2, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,65.44Azi)
Plan: Plan #1 1-23-07

Page: 2

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1600.00	9.06	65.44	1595.03	29.40	64.34	70.74	0.00	0.00	0.00	
1700.00	9.06	65.44	1693.78	35.95	78.65	86.48	0.00	0.00	0.00	
1800.00	9.06	65.44	1792.53	42.49	92.97	102.22	0.00	0.00	0.00	
1900.00	9.06	65.44	1891.29	49.03	107.29	117.96	0.00	0.00	0.00	
2000.00	9.06	65.44	1990.04	55.57	121.60	133.70	0.00	0.00	0.00	
2100.00	9.06	65.44	2088.79	62.12	135.92	149.44	0.00	0.00	0.00	
2200.00	9.06	65.44	2187.55	68.66	150.24	165.18	0.00	0.00	0.00	
2300.00	9.06	65.44	2286.30	75.20	164.56	180.93	0.00	0.00	0.00	
2400.00	9.06	65.44	2385.05	81.75	178.87	196.67	0.00	0.00	0.00	
2500.00	9.06	65.44	2483.81	88.29	193.19	212.41	0.00	0.00	0.00	
2600.00	9.06	65.44	2582.56	94.83	207.51	228.15	0.00	0.00	0.00	
2700.00	9.06	65.44	2681.31	101.38	221.82	243.89	0.00	0.00	0.00	
2800.00	9.06	65.44	2780.07	107.92	236.14	259.63	0.00	0.00	0.00	
2900.00	9.06	65.44	2878.82	114.46	250.46	275.37	0.00	0.00	0.00	
3000.00	9.06	65.44	2977.57	121.01	264.78	291.12	0.00	0.00	0.00	
3100.00	9.06	65.44	3076.33	127.55	279.09	306.86	0.00	0.00	0.00	
3200.00	9.06	65.44	3175.08	134.09	293.41	322.60	0.00	0.00	0.00	
3300.00	9.06	65.44	3273.83	140.64	307.73	338.34	0.00	0.00	0.00	
3400.00	9.06	65.44	3372.59	147.18	322.04	354.08	0.00	0.00	0.00	
3500.00	9.06	65.44	3471.34	153.72	336.36	369.82	0.00	0.00	0.00	
3600.00	9.06	65.44	3570.09	160.26	350.68	385.56	0.00	0.00	0.00	
3700.00	9.06	65.44	3668.85	166.81	364.99	401.30	0.00	0.00	0.00	
3800.00	9.06	65.44	3767.60	173.35	379.31	417.05	0.00	0.00	0.00	
3900.00	9.06	65.44	3866.35	179.89	393.63	432.79	0.00	0.00	0.00	
4000.00	9.06	65.44	3965.11	186.44	407.95	448.53	0.00	0.00	0.00	
4100.00	9.06	65.44	4063.86	192.98	422.26	464.27	0.00	0.00	0.00	
4200.00	9.06	65.44	4162.61	199.52	436.58	480.01	0.00	0.00	0.00	
4237.86	9.06	65.44	4200.00	202.00	442.00	485.97	0.00	0.00	0.00	PBHL

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---> Deg Min Sec			<--- Longitude ---> Deg Min Sec		
PBHL -Plan hit target			4200.00	202.00	442.00	653828.00	550520.20	32	47	50.478 N	104	10	8.125 W

Annotation

MD ft	TVD ft	
1000.00	1000.00	KOP @ 1000' TVD/MD Begin Build @ 3°/100'
1301.89	1300.63	End Build @ 1302' MD/ 1301' TVD , Begin Hold to TD

Marbob Energy

PATHFINDER

Field: A State #2
 Site: A State #2
 Well: A State #2
 Wellpath: OH
 Plan: Plan #1 1-23-07

SITE DETAILS

A State #2
 Site Centre Northing: 653626.00
 Easting: 550078.20
 Ground Level: 3680.00
 Positional Uncertainty: 0.00
 Convergence: 0.09

WELLPATH DETAILS

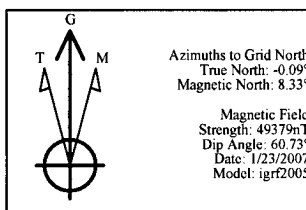
OH
 Rig: SITE 0.00ft
 Ref. Datum: SITE 0.00ft
 V. Section Angle: 65.44°
 Origin +N/-S: 0.00
 Origin +E/-W: 0.00
 Starting From TVD: 0.00

ANNOTATIONS

No.	TVD	MD	Annotation
1	1000.00	1000.00	KOP @ 1000' TVD/MD Begin Build @ 3°/100'
2	1300.63	1301.89	End Build @ 1302' MD/ 1301' TVD. Begin Hold to TD
3	0.00	0.00	

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	0.00	
3	1301.89	9.06	65.44	1300.64	9.90	21.66	3.00	65.44	23.81	
4	4237.86	9.06	65.44	4200.00	202.00	442.00	0.00	0.00	485.97	PBHL



TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
PBHL	4200.00	202.00	442.00	Point

