

SEP 15 2008

OCD-ARTESIA

District II

1301 W. Grand Ave., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-9720

State of New Mexico

Form C-101
Permit 81104

Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address MARBOB ENERGY CORP PO Box 227 Artesia, NM 88211		2 OGRID Number 14049
		3 API Number 30-015-36640
4 Property Code 34843	5 Property Name REAR VIEW STATE COM	6. Well No. 001

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
G	2	20S	30E	G	2310	N	1980	E	EDDY

8. Pool Information

DOS HERMANOS; MORROW, NE (GAS)	76076
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Additional Well Information

9. Work Type New Well	10. Well Type GAS	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3235
14. Multiple N	15. Proposed Depth 12500	16. Formation Morrow	17. Contractor	18. Spud Date 10/11/2008
Depth to Groundwater		Distance from nearest fresh water well		Distance to nearest surface water
Pit Liner: Synthetic ☐ mls thick ☐ clay ☐		Pit Volume: ☐ bbls ☐ drilling method ☐		
Closed-loop system ☐		Fresh Water ☒ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐		

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
FW Surf	24	20	94 5-55	300	300	0
B Int1	17.5	13.375	54 5-55	1450	1400	0
FW Int2	12.25	9.625	36 5-55	4050	1600	0
CB Prod	7.875	5.5	17 5-45	12500	800	0

Casing/Cement Program: Additional Comments

PLAN TO DRILL 24 INCH HOLE TO 300 WITH FRESH WATER, SET 20 INCH CSG, CMT WITH 300 SX, CIRC TO SURF, DRILL 17.5 INCH HOLE TO 1450 WITH BRINE WATER SET 13.375 INCH CSG WITH 1400 SX CMT, CIRC TO SURF, DRILL 12.25 HOLE WITH FRESH WATER TO 4050, SET 9.625 CSG WITH 1600 SX CMT, TIE BACK IN TO 13.375 CSG; DRILL 7.875 HOLE WITH CUT BRINE TO 12500, SET 5.5 CSG WITH 800 SX CMT, BRING TOC 200 FOOT ABOVE ALL OIL AND GAS BEARING ZONES.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	2000	2000	CAMERON
DoubleRam	5000	5000	CAMERON

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐ a general permit ☒ or an (attached) alternative OCD-approved plan ☐ *Nancy T. Agnew*

Printed Name: *Nancy T. Agnew*

Title: *Land Department*

OIL CONSERVATION DIVISION

Approved:

Title:

Approved Date: *9/20/08*Expiration Date: *9/20/10*

Email Address: landteche@marbob.com	
Date: 09/11/2008	Phone: 575/748/3303

District I

1625 N. French Dr , Hobbs, NM 88240

District II

1301 W. Grand Ave , 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
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-102
 Permit 81104

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code 76076	3. Pool Name DOS HERMANOS;MORROW, NE (GAS)
4. Property Code 34843	5. Property Name REAR VIEW STATE COM	6. Well No. 001
7. OGRID No. 14049	8. Operator Name MARBOB ENERGY CORP	9. Elevation 3235

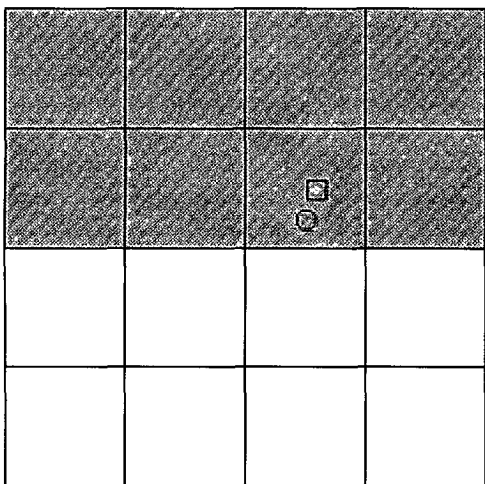
10. Surface Location

UL - Lot G	Section 2	Township 20S	Range 30E	Lot Idn G	Feet From 2310	N/S Line N	Feet From 1980	E/W Line E	County EDDY
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11. Bottom Hole Location If Different From Surface

UL - Lot G	Section 2	Township 20S	Range 30E	Lot Idn G	Feet From 1980	N/S Line N	Feet From 1880	E/W Line E	County EDDY
12. Dedicated Acres 320.72		13. Joint or Infill		14. Consolidation Code		15. 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>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> E-Signed By: <u>Nancy T. Agnew</u> Title: <u>Nancy T. Agnew</u> Date: <u>09/11/2008</u>
	SURVEYOR CERTIFICATION <i>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</i> Surveyed By: <u>GARY EIDSON</u> Date of Survey: <u>5/12/2005</u> Certificate Number: <u>12641</u>

Permit Comments

Operator: MARBOB ENERGY CORP , 14049

Well: REAR VIEW STATE COM #001

API:

Created By	Comment	Comment Date
MARBOB4	We plan to complete this well in the Morrow which is sweet and we don't anticipate cutting any formations that contain H2S gas during the drilling of the above referenced well. Therefore, we do not believe that an H2S contingency plan is necessary.	8/28/2008

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	Pool Code 76076	Pool Name Dos Hermanos; Morrow, NE (Gas)
Property Code	Property Name REAR VIEW STATE COM	Well Number 1
OGRID No. 14049	Operator Name MARBOB ENERGY CORPORATION	Elevation 3235'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	2	20-S	30-E		2310	NORTH	1980	EAST	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
G	2	20S	30E		1980	North	1880	East	Eddy

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320.72			

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

LOT 4 LOT 3 LOT 2 LOT 1 2310' 1980' P.P. & BHL 1880' 1980' GEODETIC COORDINATES NAD 27 NME Y=583347.3 N X=621087.8 E LAT.=32°36'11.20" N LONG.=103°56'24.46" W *PENETRATION POINT SAME AS BHL*	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <u>Nancy T. Agnew</u> Signature <u>Nancy T. Agnew</u> Printed Name <u>Land Department</u> Title <u>9/12/08</u> 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 MAY 12, 2005 Date Surveyed _____ LA Signature & Seal of Professional Surveyor <u>GARY E. BIDSON</u> GARY E. BIDSON NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 05.11.0757 Certificate No. GARY BIDSON 12641
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Company: Marbob Energy Field: Rearview State Com #1 Site: Section 2, T20-S, R30-E Well: Rearview Stste Com #1 Wellpath: Orginal Hole				Date: 8/23/2005 Co-ordinate(NE) Reference: Well: Rearview Siste Com #1, True North Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well: (0.00N,0.00E,0.00Azi) Plan: Plan #1 082305				Page: 1		
Field: Rearview State Com #1 Section 2., T20-S, R30-E Eddy County, New Mexico Map System: US State Plane Coordinate System 1927 Geo Datum: NAD27 (Clarke 1866) Sys Datum: Mean Sea Level				Map Zone: New Mexico, Eastern Zone Coordinate System: Well Centre Geomagnetic Model: igrf2005						
Site: Section 2, T20-S, R30-E Eddy County, New Mexico										
Site Position: From: Lease Line Position Uncertainty: 0.00 ft Ground Level: 0.00 ft		Northing: Easting:		Latitude: Longitude: North Reference: True Grid Convergence: 0.00 deg						
Well: Rearview Stste Com #1				Slot Name:						
Well Position: +N/-S 0.00 ft +E/-W 0.00 ft Position Uncertainty: 0.00 ft		Northing: 0.00 ft Easting : 0.00 ft		Latitude: 30 59 24.512 N Longitude: 105 55 44 137 W						
Wellpath: Orginal Hole				Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 0.00 deg Mag Dip Angle: 0.00 deg						
Current Datum: SITE Magnetic Data: 8/23/2005 Field Strength: 0 nT Vertical Section: Depth From (TVD) ft		Height 0.00 ft +N/-S ft		Direction deg						
0.00		0.00		0.00		0.00				
Plan: Plan #1 082305 Principal: No				Date Composed: 8/23/2005 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	16.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9250.00	0.00	16.86	9250.00	0.00	0.00	0.00	0.00	0.00	16.86	
10254.96	20.10	16.86	10234.47	166.97	50.60	2.00	2.00	0.00	16.86	
10750.67	20.10	16.86	10700.00	330.00	100.00	0.00	0.00	0.00	0.00	Target @ 10700' TVD
12667.40	20.10	16.86	12500.00	960.37	291.02	0.00	0.00	0.00	0.00	Rearview State Com #1 PBH
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	16.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	16.86	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	16.86	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	16.86	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	16.86	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	16.86	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	16.86	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	16.86	700.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	16.86	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	16.86	900.00	0.00	0.00	0.00	0.00	0.00	0.00	
1000.00	0.00	16.86	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1100.00	0.00	16.86	1100.00	0.00	0.00	0.00	0.00	0.00	0.00	
1200.00	0.00	16.86	1200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1300.00	0.00	16.86	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1400.00	0.00	16.86	1400.00	0.00	0.00	0.00	0.00	0.00	0.00	
1500.00	0.00	16.86	1500.00							

PathFinder Planning Report

Company: Marbob Energy
Field: Rearview State Com #1
Site: Section 2, T20-S, R30-E
Well: Rearview Sstse Com #1
Wellpath: Original Hole

Date: 8/23/2005 Time: 13:37:35 Page:
Co-ordinate(NE) Reference: Well: Rearview Stste Com #1, True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,0.00Az)
Plan: Plan #1 082305

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	0.00	16.86	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1700.00	0.00	16.86	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1800.00	0.00	16.86	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1900.00	0.00	16.86	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	16.86	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2100.00	0.00	16.86	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2200.00	0.00	16.86	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2300.00	0.00	16.86	2300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2400.00	0.00	16.86	2400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2500.00	0.00	16.86	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2600.00	0.00	16.86	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2700.00	0.00	16.86	2700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2800.00	0.00	16.86	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2900.00	0.00	16.86	2900.00	0.00	0.00	0.00	0.00	0.00	0.00	
3000.00	0.00	16.86	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3100.00	0.00	16.86	3100.00	0.00	0.00	0.00	0.00	0.00	0.00	
3200.00	0.00	16.86	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	
3300.00	0.00	16.86	3300.00	0.00	0.00	0.00	0.00	0.00	0.00	
3400.00	0.00	16.86	3400.00	0.00	0.00	0.00	0.00	0.00	0.00	
3500.00	0.00	16.86	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	
3600.00	0.00	16.86	3600.00	0.00	0.00	0.00	0.00	0.00	0.00	
3700.00	0.00	16.86	3700.00	0.00	0.00	0.00	0.00	0.00	0.00	
3800.00	0.00	16.86	3800.00	0.00	0.00	0.00	0.00	0.00	0.00	
3900.00	0.00	16.86	3900.00	0.00	0.00	0.00	0.00	0.00	0.00	
4000.00	0.00	16.86	4000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4100.00	0.00	16.86	4100.00	0.00	0.00	0.00	0.00	0.00	0.00	
4200.00	0.00	16.86	4200.00	0.00	0.00	0.00	0.00	0.00	0.00	
4300.00	0.00	16.86	4300.00	0.00	0.00	0.00	0.00	0.00	0.00	
4400.00	0.00	16.86	4400.00	0.00	0.00	0.00	0.00	0.00	0.00	
4500.00	0.00	16.86	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	
4600.00	0.00	16.86	4600.00	0.00	0.00	0.00	0.00	0.00	0.00	
4700.00	0.00	16.86	4700.00	0.00	0.00	0.00	0.00	0.00	0.00	
4800.00	0.00	16.86	4800.00	0.00	0.00	0.00	0.00	0.00	0.00	
4900.00	0.00	16.86	4900.00	0.00	0.00	0.00	0.00	0.00	0.00	
5000.00	0.00	16.86	5000.00	0.00	0.00	0.00	0.00	0.00	0.00	
5100.00	0.00	16.86	5100.00	0.00	0.00	0.00	0.00	0.00	0.00	
5200.00	0.00	16.86	5200.00	0.00	0.00	0.00	0.00	0.00	0.00	
5300.00	0.00	16.86	5300.00	0.00	0.00	0.00	0.00	0.00	0.00	
5400.00	0.00	16.86	5400.00	0.00	0.00	0.00	0.00	0.00	0.00	
5500.00	0.00	16.86	5500.00	0.00	0.00	0.00	0.00	0.00	0.00	
5600.00	0.00	16.86	5600.00	0.00	0.00	0.00	0.00	0.00	0.00	
5700.00	0.00	16.86	5700.00	0.00	0.00	0.00	0.00	0.00	0.00	
5800.00	0.00	16.86	5800.00	0.00	0.00	0.00	0.00	0.00	0.00	
5900.00	0.00	16.86	5900.00	0.00	0.00	0.00	0.00	0.00	0.00	
6000.00	0.00	16.86	6000.00	0.00	0.00	0.00	0.00	0.00	0.00	
6100.00	0.00	16.86	6100.00	0.00	0.00	0.00	0.00	0.00	0.00	
6200.00	0.00	16.86	6200.00	0.00	0.00	0.00	0.00	0.00	0.00	
6300.00	0.00	16.86	6300.00	0.00	0.00	0.00	0.00	0.00	0.00	
6400.00	0.00	16.86	6400.00	0.00	0.00	0.00	0.00	0.00	0.00	
6500.00	0.00	16.86	6500.00	0.00	0.00	0.00	0.00	0.00	0.00	
6600.00	0.00	16.86	6600.00	0.00	0.00	0.00	0.00	0.00	0.00	
6700.00	0.00	16.86	6700.00	0.00	0.00	0.00	0.00	0.00	0.00	
6800.00	0.00	16.86	6800.00	0.00	0.00	0.00	0.00	0.00	0.00	
6900.00	0.00	16.86	6900.00	0.00	0.00	0.00	0.00	0.00	0.00	

PathFinder

Planning Report

Company: Marbob Energy	Date: 8/23/2005	Time: 13:37:35	Page: 3
Field: Rearview State Com #1	Co-ordinate(NE) Reference: Well: Rearview Stste Com #1, True North		
Site: Section 2, T20-S, R30-E	Vertical (TVD) Reference: SITE 0.0		
Well: Rearview Stste Com #1	Section (VS) Reference: Well (0.00N,0.00E,0.00Azi)		
Wellpath: Original Hole	Plan: Plan #1 082305		

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
7000.00	0.00	16.86	7000.00	0.00	0.00	0.00	0.00	0.00	0.00	
7100.00	0.00	16.86	7100.00	0.00	0.00	0.00	0.00	0.00	0.00	
7200.00	0.00	16.86	7200.00	0.00	0.00	0.00	0.00	0.00	0.00	
7300.00	0.00	16.86	7300.00	0.00	0.00	0.00	0.00	0.00	0.00	
7400.00	0.00	16.86	7400.00	0.00	0.00	0.00	0.00	0.00	0.00	
7500.00	0.00	16.86	7500.00	0.00	0.00	0.00	0.00	0.00	0.00	
7600.00	0.00	16.86	7600.00	0.00	0.00	0.00	0.00	0.00	0.00	
7700.00	0.00	16.86	7700.00	0.00	0.00	0.00	0.00	0.00	0.00	
7800.00	0.00	16.86	7800.00	0.00	0.00	0.00	0.00	0.00	0.00	
7900.00	0.00	16.86	7900.00	0.00	0.00	0.00	0.00	0.00	0.00	
8000.00	0.00	16.86	8000.00	0.00	0.00	0.00	0.00	0.00	0.00	
8100.00	0.00	16.86	8100.00	0.00	0.00	0.00	0.00	0.00	0.00	
8200.00	0.00	16.86	8200.00	0.00	0.00	0.00	0.00	0.00	0.00	
8300.00	0.00	16.86	8300.00	0.00	0.00	0.00	0.00	0.00	0.00	
8400.00	0.00	16.86	8400.00	0.00	0.00	0.00	0.00	0.00	0.00	
8500.00	0.00	16.86	8500.00	0.00	0.00	0.00	0.00	0.00	0.00	
8600.00	0.00	16.86	8600.00	0.00	0.00	0.00	0.00	0.00	0.00	
8700.00	0.00	16.86	8700.00	0.00	0.00	0.00	0.00	0.00	0.00	
8800.00	0.00	16.86	8800.00	0.00	0.00	0.00	0.00	0.00	0.00	
8900.00	0.00	16.86	8900.00	0.00	0.00	0.00	0.00	0.00	0.00	
9000.00	0.00	16.86	9000.00	0.00	0.00	0.00	0.00	0.00	0.00	
9100.00	0.00	16.86	9100.00	0.00	0.00	0.00	0.00	0.00	0.00	
9200.00	0.00	16.86	9200.00	0.00	0.00	0.00	0.00	0.00	0.00	
9250.00	0.00	16.86	9250.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP @ 9250' w/2° Build Ra
9300.00	1.00	16.86	9300.00	0.42	0.13	0.42	2.00	2.00	0.00	
9400.00	3.00	16.86	9399.93	3.76	1.14	3.76	2.00	2.00	0.00	
9500.00	5.00	16.86	9499.68	10.43	3.16	10.43	2.00	2.00	0.00	
9600.00	7.00	16.86	9599.13	20.44	6.19	20.44	2.00	2.00	0.00	
9700.00	9.00	16.86	9698.15	33.75	10.23	33.75	2.00	2.00	0.00	
9800.00	11.00	16.86	9796.63	50.37	15.26	50.37	2.00	2.00	0.00	
9900.00	13.00	16.86	9894.44	70.27	21.29	70.27	2.00	2.00	0.00	
10000.00	15.00	16.86	9991.46	93.42	28.31	93.42	2.00	2.00	0.00	
10100.00	17.00	16.86	10087.58	119.80	36.30	119.80	2.00	2.00	0.00	
10200.00	19.00	16.86	10182.68	149.37	45.26	149.37	2.00	2.00	0.00	
10254.96	20.10	16.86	10234.47	166.97	50.60	166.97	2.00	2.00	0.00	End of Build @ 20.1° Incl
10300.00	20.10	16.86	10276.77	181.78	55.09	181.78	0.00	0.00	0.00	
10400.00	20.10	16.86	10370.68	214.67	65.05	214.67	0.00	0.00	0.00	
10500.00	20.10	16.86	10464.59	247.56	75.02	247.56	0.00	0.00	0.00	
10600.00	20.10	16.86	10558.50	280.45	84.98	280.45	0.00	0.00	0.00	
10700.00	20.10	16.86	10652.41	313.33	94.95	313.33	0.00	0.00	0.00	
10750.67	20.10	16.86	10700.00	330.00	100.00	330.00	0.00	0.00	0.00	Target @ 10700' TVD
10800.00	20.10	16.86	10746.32	346.22	104.92	346.22	0.00	0.00	0.00	
10900.00	20.10	16.86	10840.23	379.11	114.88	379.11	0.00	0.00	0.00	
11000.00	20.10	16.86	10934.14	412.00	124.85	412.00	0.00	0.00	0.00	
11100.00	20.10	16.86	11028.05	444.89	134.81	444.89	0.00	0.00	0.00	
11200.00	20.10	16.86	11121.96	477.77	144.78	477.77	0.00	0.00	0.00	
11300.00	20.10	16.86	11215.87	510.66	154.75	510.66	0.00	0.00	0.00	
11400.00	20.10	16.86	11309.78	543.55	164.71	543.55	0.00	0.00	0.00	
11500.00	20.10	16.86	11403.69	576.44	174.68	576.44	0.00	0.00	0.00	
11600.00	20.10	16.86	11497.60	609.32	184.64	609.32	0.00	0.00	0.00	
11700.00	20.10	16.86	11591.51	642.21	194.61	642.21	0.00	0.00	0.00	
11800.00	20.10	16.86	11685.42	675.10	204.58	675.10	0.00	0.00	0.00	
11900.00	20.10	16.86	11779.33	707.99	214.54	707.99	0.00	0.00	0.00	

PathFinder

Planning Report

Company: Marbob Energy Field: Rearview State Com #1 Site: Section 2, T20-S, R30-E Well: Rearview Siste Com #1 Wellpath: Original Hole	Date: 8/23/2005 Co-ordinate(NE) Reference: Well: Rearview Siste Com #1 True North Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N,0.00E,0.00Azi) Plan: Plan #1:082305
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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
12000.00	20.10	16.86	11873.24	740.88	224.51	740.88	0.00	0.00	0.00	
12100.00	20.10	16.86	11967.15	773.76	234.47	773.76	0.00	0.00	0.00	
12200.00	20.10	16.86	12061.06	806.65	244.44	806.65	0.00	0.00	0.00	
12300.00	20.10	16.86	12154.97	839.54	254.41	839.54	0.00	0.00	0.00	
12400.00	20.10	16.86	12248.88	872.43	264.37	872.43	0.00	0.00	0.00	
12500.00	20.10	16.86	12342.79	905.32	274.34	905.32	0.00	0.00	0.00	
12600.00	20.10	16.86	12436.70	938.20	284.30	938.20	0.00	0.00	0.00	
12667.40	20.10	16.86	12500.00	960.37	291.02	960.37	0.00	0.00	0.00	Rearview State Com #1 PBH

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		
Target @ 10700' TVD -Plan hit target		10700.00	330.00	100.00	328.53	104.72	30	59	27.777 N	105	55	42.989 W
Rearview State Com #1 PBHL -Plan hit target		12500.00	960.37	291.02	956.10	304.76	30	59	34.015 N	105	55	40.795 W

Annotation

MD ft	TVD ft	
9250.00	9250.00	KOP @ 9250' w/2° Build Rate
10254.96	10234.47	End of Build @ 20.1° Inclination

Marbob Energy Corporation

Rearview State Com #1 Section 2, T20-S, R30-E Eddy County, New Mexico Plan #1 082305

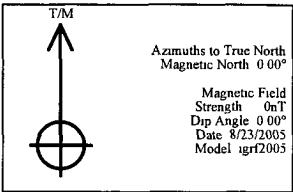


COMPANY DETAILS

Marbob Energy
2204 W Main St
Ariesa New Mexico

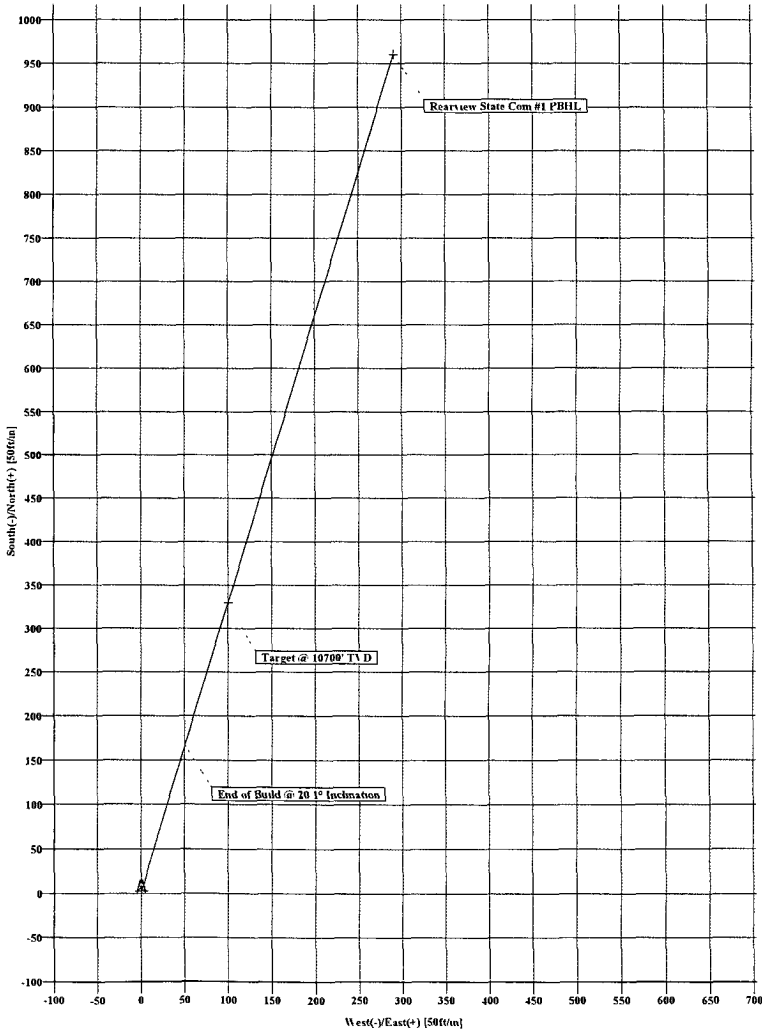
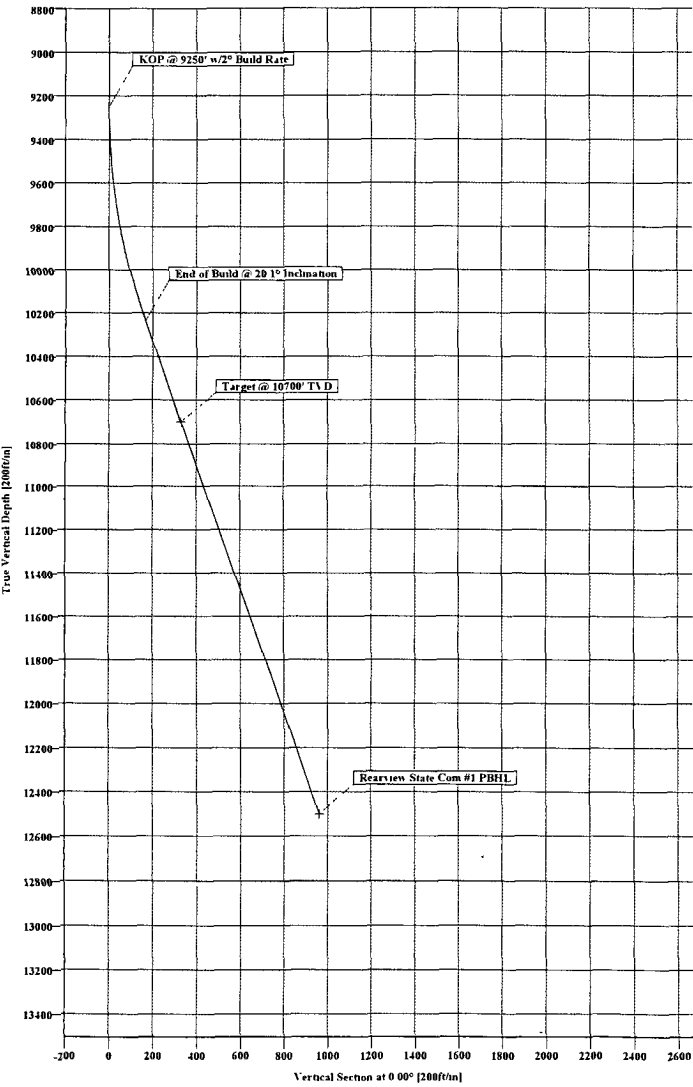
Calculation Method Minimum Curvature
Error System Systematic Ellipse
Scan Method Closest Approach 3D
Error Surface Elliptical Cone
Warning Method Error Ratio

FIELD DETAILS	
Rearview State Com #1 Section 2, T20-S, R30-E Eddy County, New Mexico	
Geodetic System	US State Plane Coordinate System 1927
Ellipsoid	NAD27 (Clarke 1866)
Zone	New Mexico, Eastern Zone
Magnetic Model	igr2005
System Datum	Mean Sea Level
Local North	True North

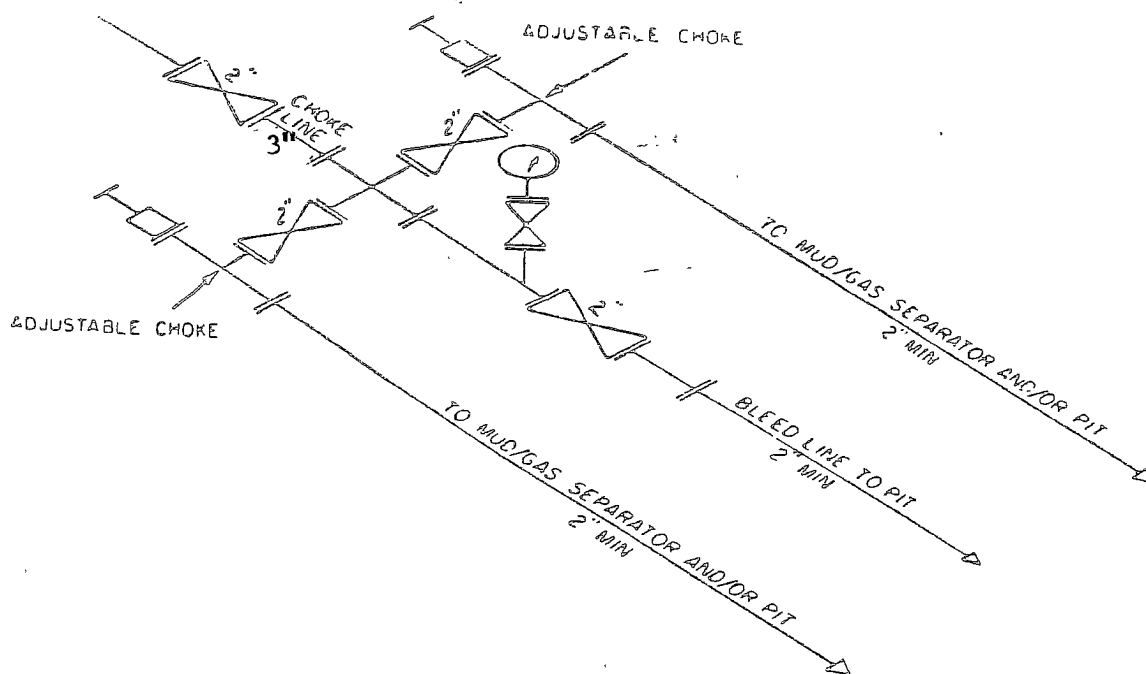
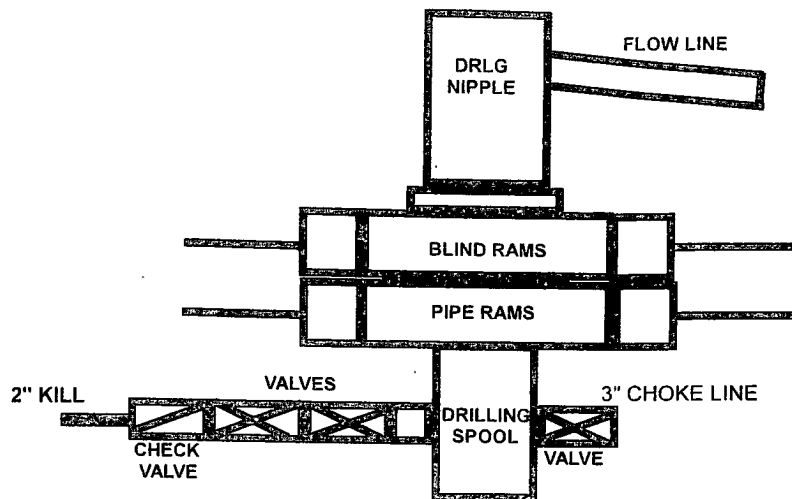


SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0 00	0 00	16 86	0 00	0 00	0 00	0 00	0 00	0 00	
2	9250 00	0 00	16 86	9250 00	0 00	0 00	0 00	16 86	0 00	
3	10254 96	20 10	16 86	10234 47	166 97	50 60	2 00	16 86	166 97	
4	10750 67	20 10	16 86	10700 00	330 00	100 00	0 00	0 00	330 00	Target @ 10700' TVD
5	12667 40	20 10	16 86	12500 00	960 37	291 02	0 00	0 00	960 37	Rearview State Com #1 PBHL



2M SYSTEM



2M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES

MAY VARY

Sketch of Choke

KELLY

ROTATING HEAD

FILL UP LINE

FLOW LINE

ANNULAR PREVENTER

BLIND RAMS

PIPE RAMS

DRILLING SPOOL

SPACER SPOOL

2" KILL

3" CHOKE LINE

CHECK VALVE

VALVES

VALVES

