

DATE IN 12-Feb-07	SUSPENSE	ENGINEER O. Brooks	LOGGED IN 14-Feb-07	TYPE NSL	APP NO. pCLP0704532836
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



Manolo
Amigo Fee #1
5586

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☐ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

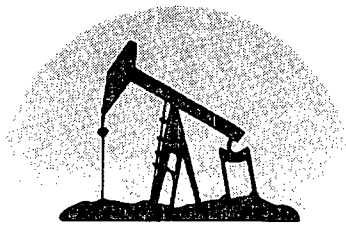
Print or Type Name

Signature

Title

Date

e-mail Address



marbob

energy corporation

February 2, 2007

Certified Mail – Return Receipt Requested

New Mexico Oil Conservation Division
1220 St. Francis Drive
Santa Fe, New Mexico 87504

Attention: Mr. Richard Ezeanyim

Re: Unorthodox Location
Administrative Approval Request
Amigo Fee #1
Surface Location: 1173 FNL, 2100 FWL
Section 10 T-22S R-27E, NMPM
Eddy County, New Mexico

Dear Mr. Ezeanyim:

Marbob Energy Corporation respectfully requests administrative approval for an unorthodox location for the Amigo Fee #1. The Amigo Fee #1 surface location is 1173 FNL and 2100 FWL in Section 10. The well will be drilled directionally with us being at a location 1673 FNL and 1900 FWL at a measured depth of 3450 feet and then allowing the well to drop naturally resulting in an anticipated bottom hole location of approximately 1836 FNL and 1822 FWL at a measure depth of 5089 feet and a true vertical depth of 5025 feet. The top of the Delaware formation should be encountered below 1800 feet subsurface and would be unorthodox until it reaches the measured depth of 3450 feet. Enclosed is a Pathfinder diagram showing the deviation plan proposed for this well. The next enclosure in this package is the OCD Form C-102 showing the proposed oil well spacing unit. The next enclosure is a map showing the adjoining spacing units with the colors identifying the affected spacing unit and the other offset spacing units. The next map is an enlargement of Section 10 showing the operators of the affected and offsetting proration units.

We would have preferred to drill this well at a standard location in the SE/4 NW/4, but the Carlsbad sewer plant sits in that 40 acre tract with the Pecos River bordering it on the south side. This is the best surface location as close as we could get to the plant to deviate under the plant. We targeted the deviation to get the first potential pay zone at an orthodox location. We have sent a copy of this entire application to the offset operator and we plan on contacting them by phone to explain our plan and answer any questions they may have. Enclosed is a copy of the Federal Express delivery information showing when they received the notice from us.

If you have any questions regarding this request, please contact me. Thank you for your review of the request.

Sincerely,

Raye Miller
Land Department

RM/mp
Enclosures

Marbob Energy

PATHFINDER

Field: Amigo Fee
Site: Amigo Fee #1
Well: Amigo Fee #1
Wellpath: Original
Plan: Plan #1 1/3/07

SECTION DETAILS

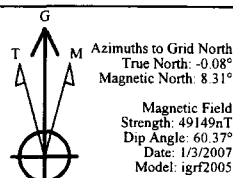
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	202.75	0.00	0.00	0.00	0.00	0.00	0.00	
2	600.00	0.00	202.75	600.00	0.00	0.00	0.00	202.75	0.00	
3	973.25	11.20	202.75	970.88	-33.53	-14.06	3.00	202.75	36.36	
4	3449.51	11.20	202.75	3400.00	-477.00	-200.00	0.00	0.00	517.23	Amigo Fee #1 Target @ 3,400'
5	5089.04	3.00	202.75	5025.37	-663.70	-278.28	0.50	180.00	719.67	

SITE DETAILS

Amigo Fee #1
Eddy County, NM
Site Centre Northing: 513392.50
Easting: 547742.90
Ground Level: 3112.00
Positional Uncertainty: 0.00
Convergence: 0.08

FIELD DETAILS

Amigo Fee
Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: New Mexico, Eastern Zone
Magnetic Model: igrf2005
System Datum: Mean Sea Level
Local North: Grid North

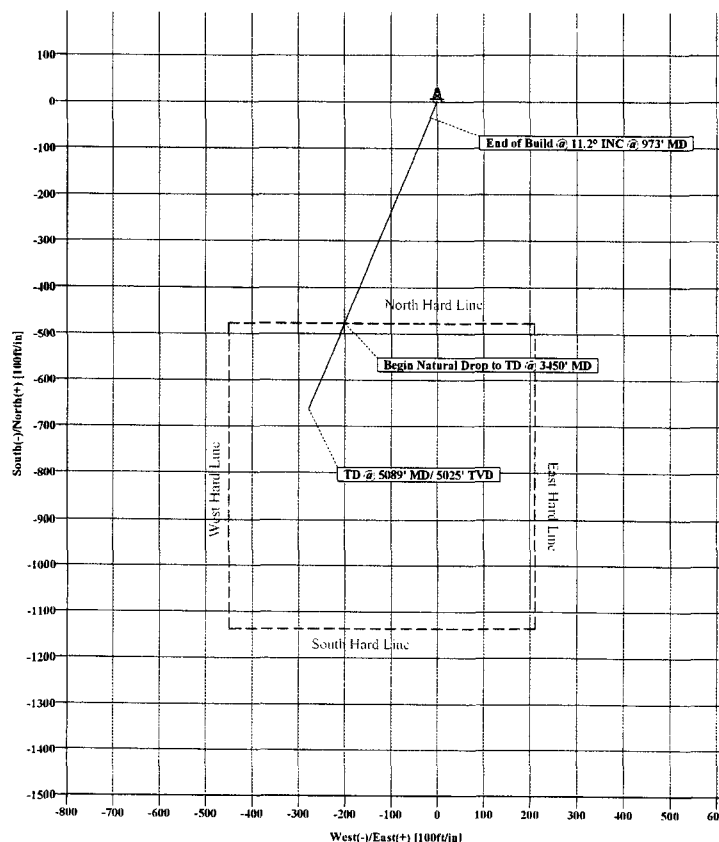
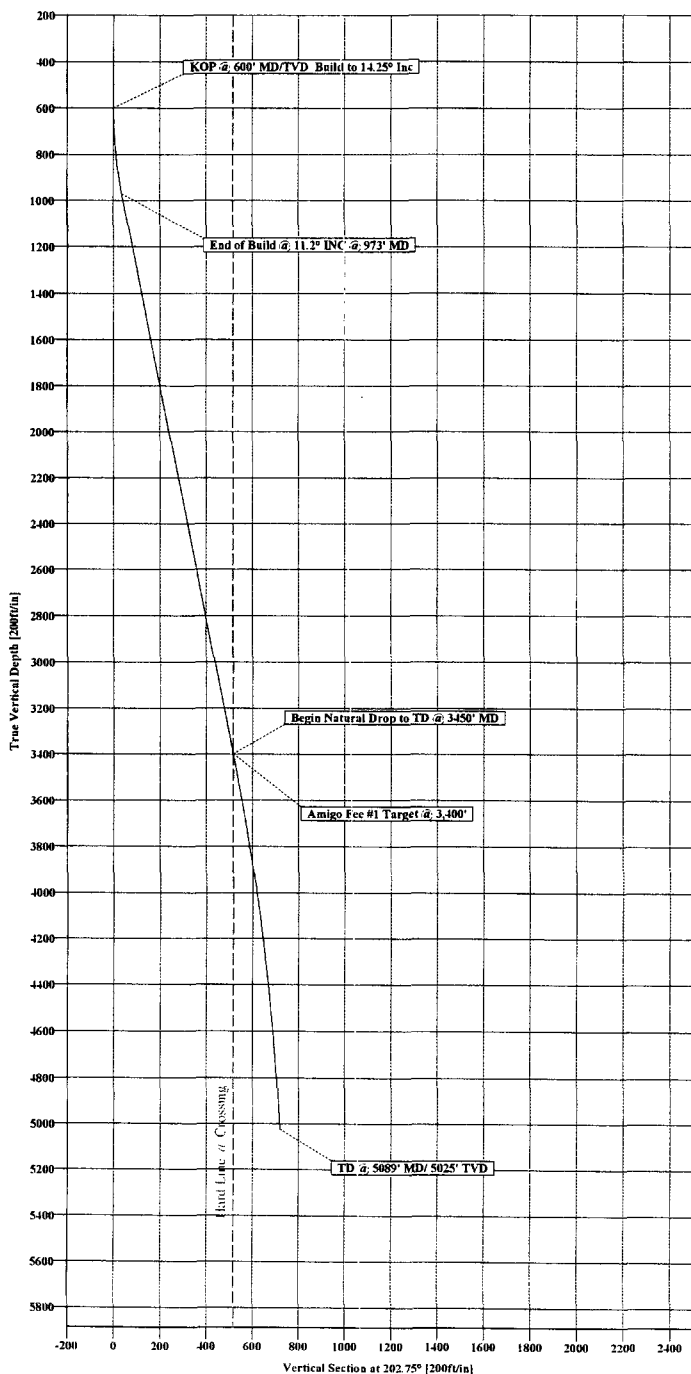


ANNOTATIONS

No	TVD	MD	Annotation
1	600.00	600.00	KOP @ 600' MD/TVD Build to 14.25° Inc
2	970.88	973.25	End of Build @ 11.2° INC @ 973' MD
3	3400.00	3449.51	Begin Natural Drop to TD @ 3450' MD
4	5025.37	5089.04	TD @ 5089' MD/ 5025' TVD

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Amigo Fee #1	0.00	0.00	513392.50	547742.90	32°24'40.806N	104°10'43.056W	N/A



Pathfinder Energy

Planning Report

Company: Marbob Energy
Field: Amigo Fee
Site: Amigo Fee #1
Well: Amigo Fee #1
Wellpath: Original

Date: 1/22/2007
Co-ordinate(NE) Reference: Site: Amigo Fee #1, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,202.75Azi)
Plan: Plan #2 1/22/07

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
1500.00	11.20	202.75	1487.60	-127.86	-53.61	138.65	0.00	0.00	0.00	
1600.00	11.20	202.75	1585.70	-145.77	-61.12	158.07	0.00	0.00	0.00	
1700.00	11.20	202.75	1683.79	-163.68	-68.63	177.49	0.00	0.00	0.00	
1800.00	11.20	202.75	1781.89	-181.59	-76.14	196.91	0.00	0.00	0.00	
1900.00	11.20	202.75	1879.99	-199.50	-83.65	216.33	0.00	0.00	0.00	
2000.00	11.20	202.75	1978.08	-217.41	-91.16	235.75	0.00	0.00	0.00	
2100.00	11.20	202.75	2076.18	-235.32	-98.67	255.16	0.00	0.00	0.00	
2200.00	11.20	202.75	2174.28	-253.23	-106.17	274.58	0.00	0.00	0.00	
2300.00	11.20	202.75	2272.37	-271.14	-113.68	294.00	0.00	0.00	0.00	
2400.00	11.20	202.75	2370.47	-289.04	-121.19	313.42	0.00	0.00	0.00	
2500.00	11.20	202.75	2468.56	-306.95	-128.70	332.84	0.00	0.00	0.00	
2600.00	11.20	202.75	2566.66	-324.86	-136.21	352.26	0.00	0.00	0.00	
2700.00	11.20	202.75	2664.76	-342.77	-143.72	371.68	0.00	0.00	0.00	
2800.00	11.20	202.75	2762.85	-360.68	-151.23	391.10	0.00	0.00	0.00	
2900.00	11.20	202.75	2860.95	-378.59	-158.74	410.52	0.00	0.00	0.00	
3000.00	11.20	202.75	2959.05	-396.50	-166.25	429.94	0.00	0.00	0.00	
3100.00	11.20	202.75	3057.14	-414.41	-173.76	449.36	0.00	0.00	0.00	
3200.00	11.20	202.75	3155.24	-432.32	-181.26	468.78	0.00	0.00	0.00	
3300.00	11.20	202.75	3253.33	-450.22	-188.77	488.20	0.00	0.00	0.00	
3400.00	11.20	202.75	3351.43	-468.13	-196.28	507.62	0.00	0.00	0.00	
3449.51	11.20	202.75	3400.00	-477.00	-200.00	517.23	0.00	0.00	0.00	Amigo Fee #1 Target @ 3,4
3500.00	10.95	202.75	3449.55	-485.94	-203.75	526.93	0.50	-0.50	0.00	
3600.00	10.45	202.75	3547.81	-503.06	-210.92	545.49	0.50	-0.50	0.00	
3700.00	9.95	202.75	3646.23	-519.38	-217.77	563.19	0.50	-0.50	0.00	
3800.00	9.45	202.75	3744.80	-534.91	-224.28	580.03	0.50	-0.50	0.00	
3900.00	8.95	202.75	3843.52	-549.65	-230.46	596.01	0.50	-0.50	0.00	
4000.00	8.45	202.75	3942.37	-563.59	-236.31	611.12	0.50	-0.50	0.00	
4100.00	7.95	202.75	4041.35	-576.73	-241.82	625.38	0.50	-0.50	0.00	
4200.00	7.45	202.75	4140.45	-589.08	-247.00	638.77	0.50	-0.50	0.00	
4300.00	6.95	202.75	4239.66	-600.63	-251.84	651.29	0.50	-0.50	0.00	
4400.00	6.45	202.75	4338.98	-611.39	-256.35	662.95	0.50	-0.50	0.00	
4500.00	5.95	202.75	4438.39	-621.34	-260.52	673.74	0.50	-0.50	0.00	
4600.00	5.45	202.75	4537.90	-630.49	-264.36	683.67	0.50	-0.50	0.00	
4700.00	4.95	202.75	4637.49	-638.84	-267.86	692.72	0.50	-0.50	0.00	
4800.00	4.45	202.75	4737.15	-646.39	-271.02	700.91	0.50	-0.50	0.00	
4900.00	3.95	202.75	4836.88	-653.14	-273.85	708.22	0.50	-0.50	0.00	
5000.00	3.45	202.75	4936.67	-659.08	-276.34	714.67	0.50	-0.50	0.00	
5089.04	3.00	202.75	5025.57	-663.70	-278.28	719.67	0.50	-0.50	0.00	TD @ 5089' MD/ 5025' TVD

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		
Amigo Fee #1 Target @ 3,400'		3400.00	-477.00	-200.00	512915.50	547542.90	32	24	36.088 N	104	10	45.398 W
-Plan hit target												

Annotation

MD ft	TVD ft	
600.00	600.00	KOP @ 600' MD/TVD Build to 14.25° Inc
973.25	970.88	End of Build @ 11.2° INC @ 973' MD
3449.51	3400.00	Begin Natural Drop to TD @ 3450' MD
5089.04	5025.57	TD @ 5089' MD/ 5025' TVD

Pathfinder Energy

Planning Report

Company: Marbob Energy	Date: 1/22/2007	Time: 14:52:41	Page: 1
Field: Amigo Fee	Co-ordinate(NE) Reference: Site: Amigo Fee #1, Grid North		
Site: Amigo Fee #1	Vertical (TVD) Reference: SITE 0.0		
Well: Amigo Fee #1	Section (VS) Reference: Well (0.00N,0.00E,202.75Azi)		
Wellpath: Original	Plan: Plan #2 1/22/07		

Field: Amigo Fee

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: Site Centre
Geomagnetic Model: igrf2005

Site: Amigo Fee #1

Eddy County, NM

Site Position:	Northing: 513392.50 ft	Latitude: 32 24 40.806 N
From: Map	Easting: 547742.90 ft	Longitude: 104 10 43.056 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3112.00 ft		Grid Convergence: 0.08 deg

Well: Amigo Fee #1

Slot Name:

Well Position: +N/-S 0.00 ft	Northing: 513392.50 ft	Latitude: 32 24 40.806 N
+E/-W 0.00 ft	Easting: 547742.90 ft	Longitude: 104 10 43.056 W
Position Uncertainty: 0.00 ft		

Wellpath: Original

Drilled From: Surface

Current Datum: SITE	Height: 0.00 ft	Tie-on Depth: 0.00 ft
Magnetic Data: 1/3/2007		Above System Datum: Mean Sea Level
Field Strength: 49149 nT		Declination: 8.39 deg
Vertical Section: Depth From (TVD)		Mag Dip Angle: 60.37 deg
ft	+N/-S ft	+E/-W ft
0.00	0.00	0.00
		Direction deg
		202.75

Plan: Plan #2 1/22/07

Date Composed: 1/3/2007

Principal: No

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	202.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	202.75	600.00	0.00	0.00	0.00	0.00	0.00	202.75	
973.25	11.20	202.75	970.88	-33.53	-14.06	3.00	3.00	0.00	202.75	
3449.51	11.20	202.75	3400.00	-477.00	-200.00	0.00	0.00	0.00	0.00	Amigo Fee #1 Target @ 3,4
5089.04	3.00	202.75	5025.57	-663.70	-278.28	0.50	-0.50	0.00	180.00	

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	202.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	202.75	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	202.75	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	202.75	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	202.75	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	202.75	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	202.75	600.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP @ 600' MD/TVD Build
700.00	3.00	202.75	699.95	-2.41	-1.01	2.62	3.00	3.00	0.00	
800.00	6.00	202.75	799.63	-9.65	-4.05	10.46	3.00	3.00	0.00	
900.00	9.00	202.75	898.77	-21.68	-9.09	23.51	3.00	3.00	0.00	
973.25	11.20	202.75	970.88	-33.53	-14.06	36.36	3.00	3.00	0.00	End of Build @ 11.2° INC
1000.00	11.20	202.75	997.12	-38.32	-16.07	41.55	0.00	0.00	0.00	
1100.00	11.20	202.75	1095.22	-56.23	-23.58	60.97	0.00	0.00	0.00	
1200.00	11.20	202.75	1193.31	-74.14	-31.08	80.39	0.00	0.00	0.00	
1300.00	11.20	202.75	1291.41	-92.05	-38.59	99.81	0.00	0.00	0.00	
1400.00	11.20	202.75	1389.50	-109.96	-46.10	119.23	0.00	0.00	0.00	

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

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 86210

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 October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-35333	Pool Code	Pool Name <i>Esperanza Delaware</i>	22640
Property Code	Property Name AMIGO FEE		Well Number 1
OGRID No.	Operator Name MARBOB ENERGY CORPORATION		Elevation 3112'

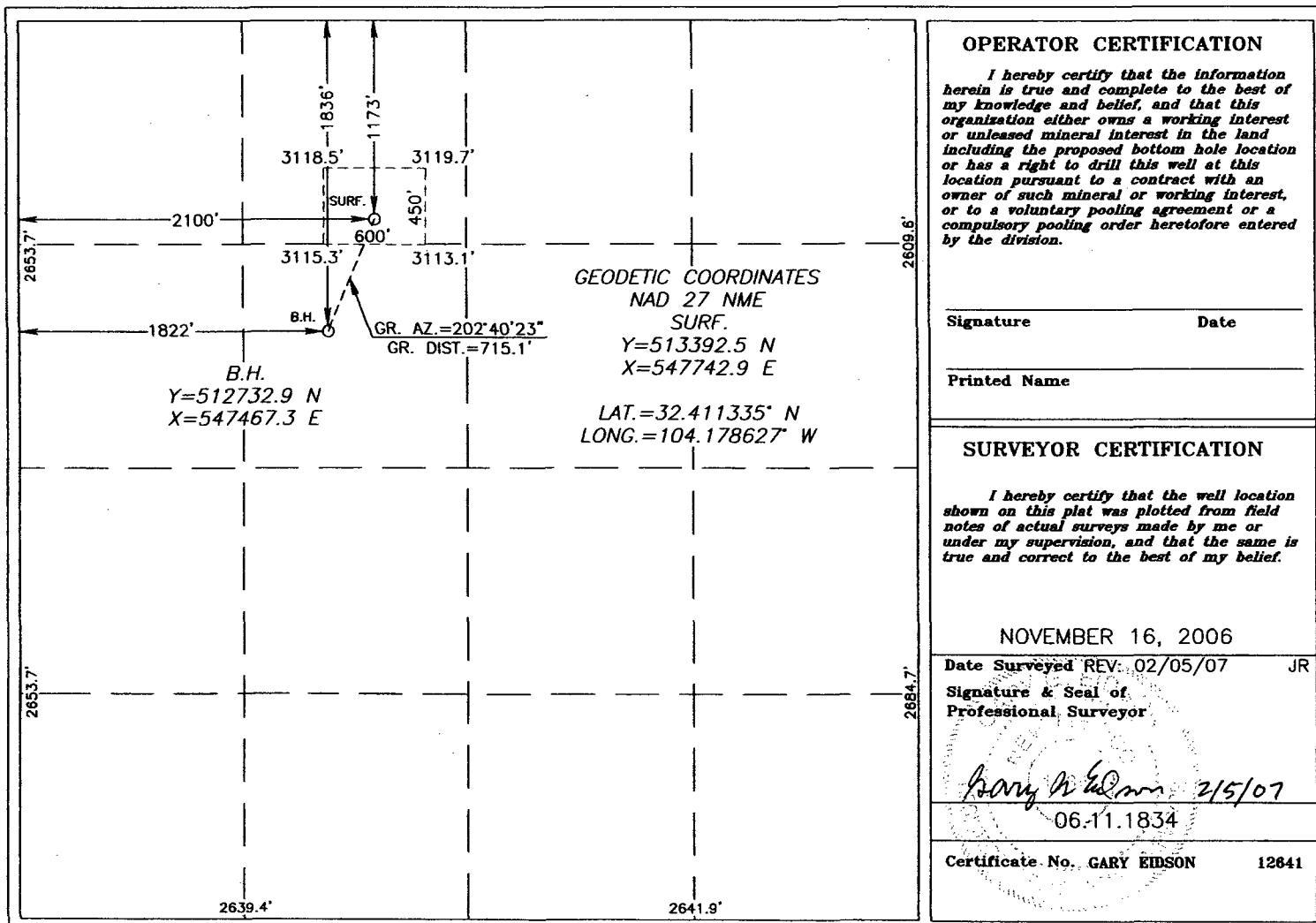
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	10	22-S	27-E		1173	NORTH	2100	WEST	EDDY

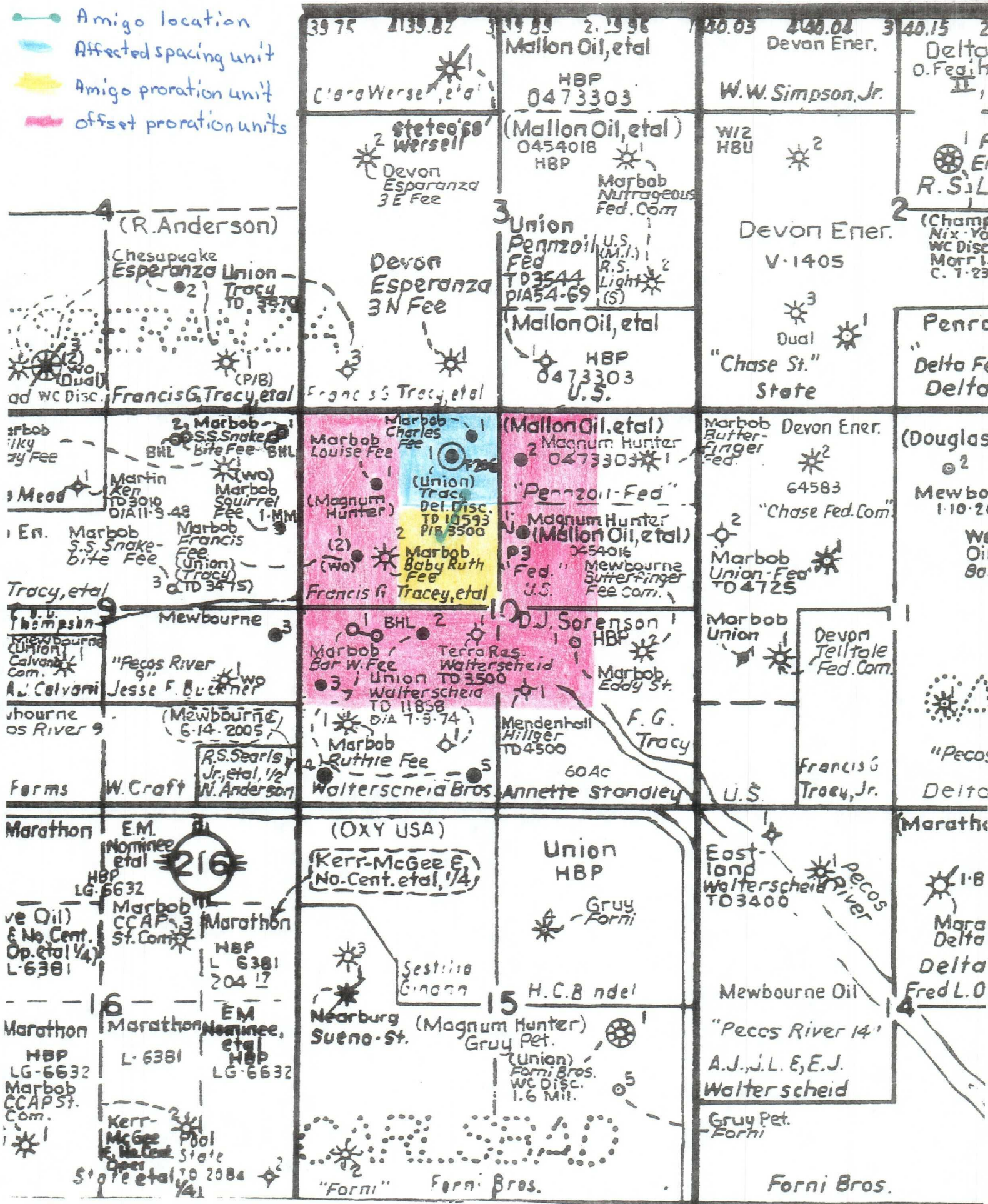
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	10	22-S	27-E		1836	NORTH	1822	WEST	EDDY
Dedicated Acres	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



- Amigo location
- Affected spacing unit
- Amigo proration unit
- offset proration units



- Amigo location
- Amigo proration unit
- offset operator Marbob Energy Corp
- offset operator Cimarex Energy Company

Mallon Oil, etal
HBP
0473303
U.S.

Marbob Louise Fee
(Magnum Hunter)
1
(2)
(wo)
Francis G Tracey, etal

Marbob Charles Fee
(Union) Tracey
Del. Disc.
TD 10593
PIB 3500
Marbob Baby Ruth Fee

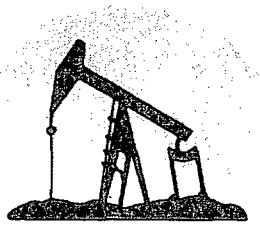
(Mallon Oil, etal)
2 Magnum Hunter
0473303
"Penn 2011-Fed"
1. Magnum Hunter
(Mallon Oil, etal)
p3 0454016
"Fed." Mewbourne
U.S. Sutterfinger
Fee Com.

BHL
Marbob Bar W. Fee
3
Union TD 3500
Walterscheid
TD 11858
DIA 7-3-74
Marbob Ruthie Fee
Walterscheid Bros

D.J. Sorenson
HBP
Marbob Eddy St.
F.G. Tracy
Mendenhall Hillger
TD 4500
60 Ac
Annette Standley

(OXY USA)

Union



marbob
energy corporation

February 8, 2007

Federal Express

Cimarex Energy Company
5215 North O'Connor Blvd., Suite 1500
Irving, Texas 75039

Attention: Mr. Tony Cervi

Re: Unorthodox Location
Offset Operator Notice
Amigo Fee #1
Section 10 T-22S R-27E
Eddy County, New Mexico

Dear Mr. Cervi:

Enclosed is a copy of the complete application we are sending to OCD except for the date you are receiving this. Please review and if you have any objection to this application, please timely file your objection with the Santa Fe OCD office. If you have any questions regarding the application, please contact us.

Sincerely,

Raye Miller

Raye Miller
Land Department

RM/mp
Enclosure



FedEx Express
Customer Support Trace
3875 Airways Boulevard
Module H, 4th Floor
Memphis, TN 38116

U.S. Mail: PO Box 727
Memphis, TN 38194-4643

Telephone: 901-369-3600

February 9, 2007

Dear Customer:

The following is the proof of delivery you requested with the tracking number **792287475235**.

Delivery Information:

Status:	Delivered	Delivery location:	Irvng, TX
Signed for by:	A.MARTINEZ	Delivery date:	Feb 9, 2007 09:20
Service type:	Priority Pak		

Shipping Information:

Tracking number:	792287475235	Ship date:	Feb 8, 2007
		Weight:	1.0 lbs.

Recipient:
Irvng, TX US

Shipper:
Artesia, NM US

Thank you for choosing FedEx Express.

FedEx Worldwide Customer Service
1.800.GoFedEx 1.800.463.3339



marbob

energy corporation

February 2, 2007

Certified Mail – Return Receipt Requested

New Mexico Oil Conservation Division
1220 St. Francis Drive
Santa Fe, New Mexico 87504
Attention: Mr. Richard Ezeanyim

Re: Unorthodox Location
Administrative Approval Request
Amigo Fee #1
Surface Location: 1173 FNL, 2100 FWL
Section 10 T-22S R-27E, NMPM
Eddy County, New Mexico

2007 FEB 13 PM 10

Dear Mr. Ezeanyim:

Marbob Energy Corporation respectfully requests administrative approval for an unorthodox location for the Amigo Fee #1. The Amigo Fee #1 surface location is 1173 FNL and 2100 FWL in Section 10. The well will be drilled directionally with us being at a location 1673 FNL and 1900 FWL at a measured depth of 3450 feet and then allowing the well to drop naturally resulting in an anticipated bottom hole location of approximately 1836 FNL and 1822 FWL at a measure depth of 5089 feet and a true vertical depth of 5025 feet. The top of the Delaware formation should be encountered below 1800 feet subsurface and would be unorthodox until it reaches the measured depth of 3450 feet. Enclosed is a Pathfinder diagram showing the deviation plan proposed for this well. The next enclosure in this package is the OCD Form C-102 showing the proposed oil well spacing unit. The next enclosure is a map showing the adjoining spacing units with the colors identifying the affected spacing unit and the other offset spacing units. The next map is an enlargement of Section 10 showing the operators of the affected and offsetting proration units.

We would have preferred to drill this well at a standard location in the SE/4 NW/4, but the Carlsbad sewer plant sits in that 40 acre tract with the Pecos River bordering it on the south side. This is the best surface location as close as we could get to the plant to deviate under the plant. We targeted the deviation to get the first potential pay zone at an orthodox location. We have sent a copy of this entire application to the offset operator and we plan on contacting them by phone to explain our plan and answer any questions they may have. Enclosed is a copy of the Federal Express delivery information showing when they received the notice from us.

If you have any questions regarding this request, please contact me. Thank you for your review of the request.

Sincerely,

Raye Miller
Land Department

RM/mp
Enclosures

Marbob Energy

PATHFINDER

Field: Amigo Fee
Site: Amigo Fee #1
Well: Amigo Fee #1
Wellpath: Original
Plan: Plan #1 1/3/07

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	202.75	0.00	0.00	0.00	0.00	0.00	0.00	
2	600.00	0.00	202.75	600.00	0.00	0.00	0.00	202.75	0.00	
3	973.25	11.20	202.75	970.88	-33.53	-14.06	3.00	202.75	36.36	
4	3449.51	11.20	202.75	3400.00	-477.00	-200.00	0.00	0.00	517.23	Amigo Fee #1 Target @ 3,400'
5	5089.04	3.00	202.75	5025.57	-663.70	-278.28	0.50	180.00	719.67	

SITE DETAILS

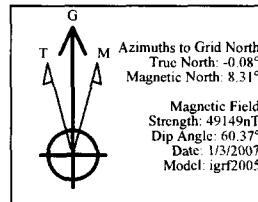
Amigo Fee #1
 Eddy County, NM

Site Centre Northing: 513392.50
 Easting: 547742.90
 Ground Level: 3112.00
 Positional Uncertainty: 0.00
 Convergence: 0.08

FIELD DETAILS

Amigo Fee

Geodetic System: US State Plane Coordinate System 1927
 Ellipsoid: NAD27 (Clarke 1866)
 Zone: New Mexico, Eastern Zone
 Magnetic Model: igrf2005
 System Datum: Mean Sea Level
 Local North: Grid North

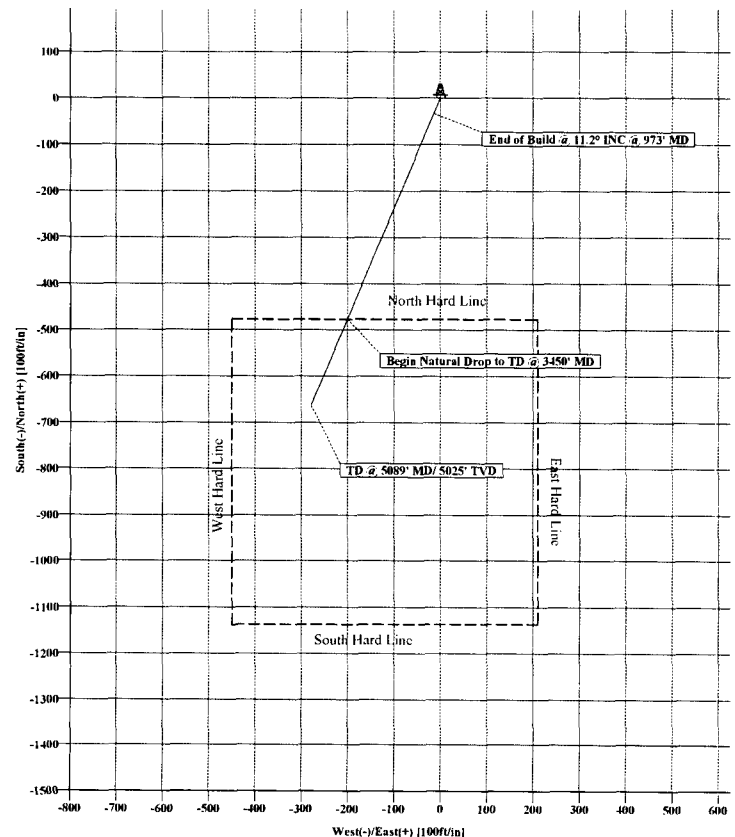
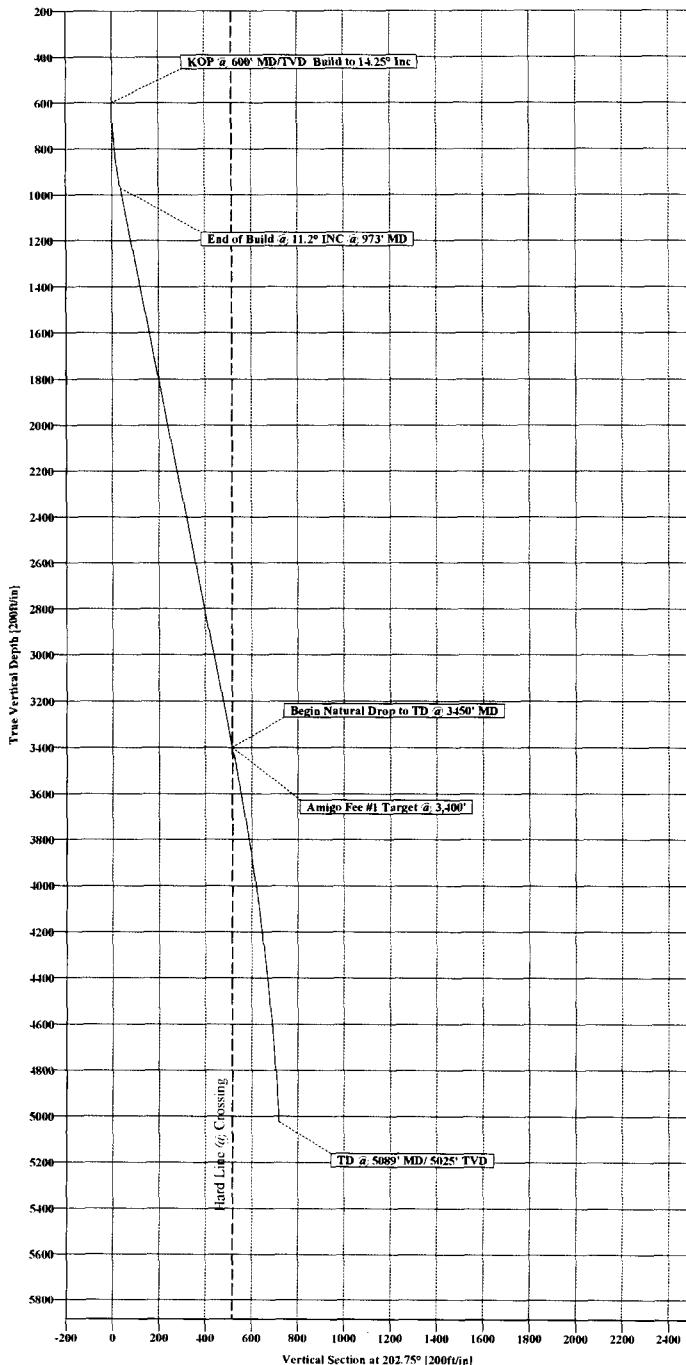


ANNOTATIONS

No.	TVD	MD	Annotation
1	600.00	600.00	KOP @ 600' MD/TVD Build to 14.25° Inc
2	970.88	973.25	End of Build @ 11.2° INC @ 973' MD
3	3400.00	3449.51	Begin Natural Drop to TD @ 3450' MD
4	5025.57	5089.04	TD @ 5089' MD/ 5025' TVD

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shot
Amigo Fee #1	0.00	0.00	513392.50	547742.90	32°24'40.806N	104°10'43.056W	N/A



Pathfinder Energy

Planning Report

Company: Marbob Energy
 Field: Amigo Fee
 Site: Amigo Fee #1
 Well: Amigo Fee #1
 Wellpath: Original

Date: 1/22/2007 Time: 14:52:41 Page: 2
 Co-ordinate(NE) Reference: Site: Amigo Fee #1, Grid North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,202.75Azi)
 Plan: Plan #2 1/22/07

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
1500.00	11.20	202.75	1487.60	-127.86	-53.61	138.65	0.00	0.00	0.00	
1600.00	11.20	202.75	1585.70	-145.77	-61.12	158.07	0.00	0.00	0.00	
1700.00	11.20	202.75	1683.79	-163.68	-68.63	177.49	0.00	0.00	0.00	
1800.00	11.20	202.75	1781.89	-181.59	-76.14	196.91	0.00	0.00	0.00	
1900.00	11.20	202.75	1879.99	-199.50	-83.65	216.33	0.00	0.00	0.00	
2000.00	11.20	202.75	1978.08	-217.41	-91.16	235.75	0.00	0.00	0.00	
2100.00	11.20	202.75	2076.18	-235.32	-98.67	255.16	0.00	0.00	0.00	
2200.00	11.20	202.75	2174.28	-253.23	-106.17	274.58	0.00	0.00	0.00	
2300.00	11.20	202.75	2272.37	-271.14	-113.68	294.00	0.00	0.00	0.00	
2400.00	11.20	202.75	2370.47	-289.04	-121.19	313.42	0.00	0.00	0.00	
2500.00	11.20	202.75	2468.56	-306.95	-128.70	332.84	0.00	0.00	0.00	
2600.00	11.20	202.75	2566.66	-324.86	-136.21	352.26	0.00	0.00	0.00	
2700.00	11.20	202.75	2664.76	-342.77	-143.72	371.68	0.00	0.00	0.00	
2800.00	11.20	202.75	2762.85	-360.68	-151.23	391.10	0.00	0.00	0.00	
2900.00	11.20	202.75	2860.95	-378.59	-158.74	410.52	0.00	0.00	0.00	
3000.00	11.20	202.75	2959.05	-396.50	-166.25	429.94	0.00	0.00	0.00	
3100.00	11.20	202.75	3057.14	-414.41	-173.76	449.36	0.00	0.00	0.00	
3200.00	11.20	202.75	3155.24	-432.32	-181.26	468.78	0.00	0.00	0.00	
3300.00	11.20	202.75	3253.33	-450.22	-188.77	488.20	0.00	0.00	0.00	
3400.00	11.20	202.75	3351.43	-468.13	-196.28	507.62	0.00	0.00	0.00	
3449.51	11.20	202.75	3400.00	-477.00	-200.00	517.23	0.00	0.00	0.00	Amigo Fee #1 Target @ 3,4
3500.00	10.95	202.75	3449.55	-485.94	-203.75	526.93	0.50	-0.50	0.00	
3600.00	10.45	202.75	3547.81	-503.06	-210.92	545.49	0.50	-0.50	0.00	
3700.00	9.95	202.75	3646.23	-519.38	-217.77	563.19	0.50	-0.50	0.00	
3800.00	9.45	202.75	3744.80	-534.91	-224.28	580.03	0.50	-0.50	0.00	
3900.00	8.95	202.75	3843.52	-549.65	-230.46	596.01	0.50	-0.50	0.00	
4000.00	8.45	202.75	3942.37	-563.59	-236.31	611.12	0.50	-0.50	0.00	
4100.00	7.95	202.75	4041.35	-576.73	-241.82	625.38	0.50	-0.50	0.00	
4200.00	7.45	202.75	4140.45	-589.08	-247.00	638.77	0.50	-0.50	0.00	
4300.00	6.95	202.75	4239.66	-600.63	-251.84	651.29	0.50	-0.50	0.00	
4400.00	6.45	202.75	4338.98	-611.39	-256.35	662.95	0.50	-0.50	0.00	
4500.00	5.95	202.75	4438.39	-621.34	-260.52	673.74	0.50	-0.50	0.00	
4600.00	5.45	202.75	4537.90	-630.49	-264.36	683.67	0.50	-0.50	0.00	
4700.00	4.95	202.75	4637.49	-638.84	-267.86	692.72	0.50	-0.50	0.00	
4800.00	4.45	202.75	4737.15	-646.39	-271.02	700.91	0.50	-0.50	0.00	
4900.00	3.95	202.75	4836.88	-653.14	-273.85	708.22	0.50	-0.50	0.00	
5000.00	3.45	202.75	4936.67	-659.08	-276.34	714.67	0.50	-0.50	0.00	
5089.04	3.00	202.75	5025.57	-663.70	-278.28	719.67	0.50	-0.50	0.00	TD @ 5089' MD/ 5025' TVD

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		
Amigo Fee #1 Target @ 3,400'		3400.00	-477.00	-200.00	512915.50	547542.90	32	24	36.088 N	104	10	45.398 W
-Plan hit target												

Annotation

MD ft	TVD ft	
600.00	600.00	KOP @ 600' MD/TVD Build to 14.25° Inc
973.25	970.88	End of Build @ 11.2° INC @ 973' MD
3449.51	3400.00	Begin Natural Drop to TD @ 3450' MD
5089.04	5025.57	TD @ 5089' MD/ 5025' TVD

Pathfinder Energy

Planning Report

Company: Marbob Energy Field: Amigo Fee Site: Amigo Fee #1 Well: Amigo Fee #1 Wellpath: Original	Date: 1/22/2007 Time: 14:52:41 Page: 1 Co-ordinate(NE) Reference: Site: Amigo Fee #1, Grid North Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N,0.00E,202.75Azi) Plan: Plan #2 1/22/07
---	---

Field: Amigo Fee	
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: Site Centre Geomagnetic Model: igrf2005

Site: Amigo Fee #1	
Eddy County, NM	
Site Position: From: Map Position Uncertainty: 0.00 ft Ground Level: 3112.00 ft	Northing: 513392.50 ft Latitude: 32 24 40.806 N Easting: 547742.90 ft Longitude: 104 10 43.056 W North Reference: Grid Grid Convergence: 0.08 deg

Well: Amigo Fee #1	Slot Name:
Well Position: +N/-S 0.00 ft Northing: 513392.50 ft Latitude: 32 24 40.806 N +E/-W 0.00 ft Easting : 547742.90 ft Longitude: 104 10 43.056 W Position Uncertainty: 0.00 ft	

Wellpath: Original Current Datum: SITE Magnetic Data: 1/3/2007 Field Strength: 49149 nT Vertical Section: Depth From (TVD) ft	Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 8.39 deg Mag Dip Angle: 60.37 deg +E/-W Direction ft deg
0.00 0.00 0.00 202.75	

Plan: Plan #2 1/22/07 Principal: No	Date Composed: 1/3/2007 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	202.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	202.75	600.00	0.00	0.00	0.00	0.00	0.00	202.75	
973.25	11.20	202.75	970.88	-33.53	-14.06	3.00	3.00	0.00	202.75	
3449.51	11.20	202.75	3400.00	-477.00	-200.00	0.00	0.00	0.00	0.00	Amigo Fee #1 Target @ 3,4
5089.04	3.00	202.75	5025.57	-663.70	-278.28	0.50	-0.50	0.00	180.00	

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	202.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	202.75	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	202.75	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	202.75	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	202.75	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	202.75	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	202.75	600.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP @ 600' MD/TVD Build
700.00	3.00	202.75	699.95	-2.41	-1.01	2.62	3.00	3.00	0.00	
800.00	6.00	202.75	799.63	-9.65	-4.05	10.46	3.00	3.00	0.00	
900.00	9.00	202.75	898.77	-21.68	-9.09	23.51	3.00	3.00	0.00	
973.25	11.20	202.75	970.88	-33.53	-14.06	36.36	3.00	3.00	0.00	
1000.00	11.20	202.75	997.12	-38.32	-16.07	41.55	0.00	0.00	0.00	End of Build @ 11.2° INC
1100.00	11.20	202.75	1095.22	-56.23	-23.58	60.97	0.00	0.00	0.00	
1200.00	11.20	202.75	1193.31	-74.14	-31.08	80.39	0.00	0.00	0.00	
1300.00	11.20	202.75	1291.41	-92.05	-38.59	99.81	0.00	0.00	0.00	
1400.00	11.20	202.75	1389.50	-109.96	-46.10	119.23	0.00	0.00	0.00	

State of New Mexico

DISTRICT I

1625 N. FRENCH DR., BOBBS, NM 86240

Energy, Minerals and Natural Resources Department

Form C-102

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION

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

Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number		Pool Code	Pool Name
Property Code	Property Name AMIGO FEE		Well Number 1
OGRID No.	Operator Name MARBOB ENERGY CORPORATION		Elevation 3112'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	10	22-S	27-E		1173	NORTH	2100	WEST	EDDY

Bottom Hole Location If Different From Surface

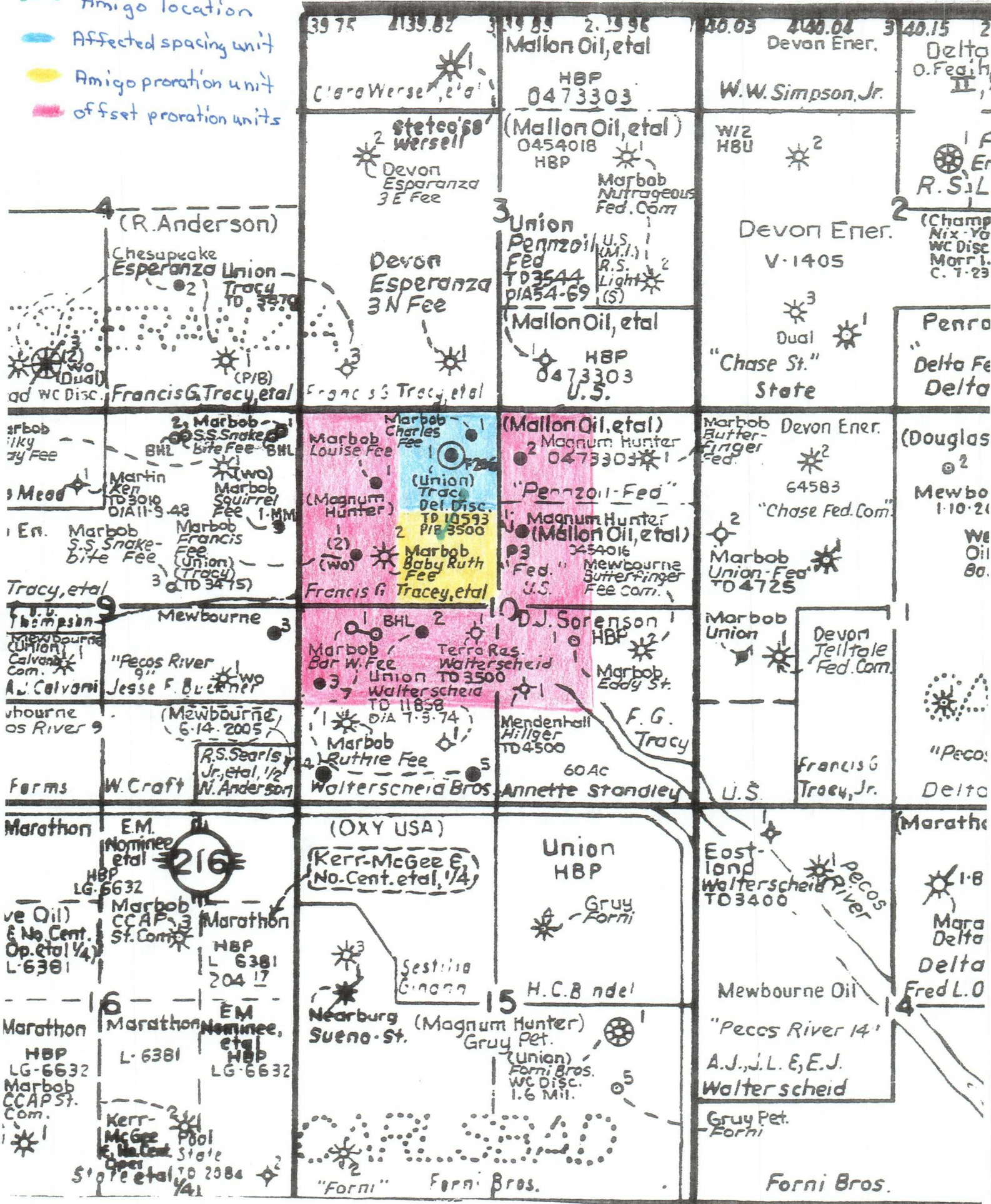
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	10	22-S	27-E		1836	NORTH	1822	WEST	EDDY

Dedicated Acres	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 that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature _____ Date _____ Printed Name _____ 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. NOVEMBER 16, 2006 Date Surveyed REV. 02/05/07 JR Signature & Seal of Professional Surveyor <i>Gary E. Edson</i> 2/5/07 06-11.1834 Certificate No. GARY EDSON 12641
--	--

- Amigo location
- Affected spacing unit
- Amigo proration unit
- offset proration units



- Amigo location
- Amigo proration unit
- offset operator Marbob Energy Corporation
- offset operator Cimarex Energy Company

Mallon Oil, etal
HBP
0473303
U.S.

Marbob Louise Fee
Marbob Charles Fee
(Union) Tracy
Del. Disc.
TD 10593
PIB 3500
(Magnum Hunter)
1
(2) (wo)
Marbob Baby Ruth Fee
Francis G Tracey, etal

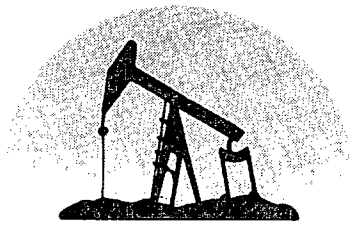
(Mallon Oil, etal)
2 Magnum Hunter
0473303
"Penn-2011-Fed"
1 Magnum Hunter
(Mallon Oil, etal)
p3 0454016
"Fed." Newbourne
U.S. Sutterfinger
Fee Com.

BHL
Marbob Bar W. Fee
3 Union TD 3500
Walterscheid
TD 11858
DIA 7-3-74
Marbob Ruthie Fee
Walterscheid Bros

D.J. Sorenson
HBP
Marbob Eddy St.
F.G. Tracy
Mendenhall
Hillger
TD 4500
60 Ac
Annette Standley

(OXY USA)

Union



marbob
energy corporation

February 8, 2007

Federal Express

Cimarex Energy Company
5215 North O'Connor Blvd., Suite 1500
Irving, Texas 75039

Attention: Mr. Tony Cervi

Re: Unorthodox Location
Offset Operator Notice
Amigo Fee #1
Section 10 T-22S R-27E
Eddy County, New Mexico

Dear Mr. Cervi:

Enclosed is a copy of the complete application we are sending to OCD except for the date you are receiving this. Please review and if you have any objection to this application, please timely file your objection with the Santa Fe OCD office. If you have any questions regarding the application, please contact us.

Sincerely,

Raye Miller

Raye Miller
Land Department

RM/mp
Enclosure



FedEx Express
Customer Support Trace
3875 Airways Boulevard
Module H, 4th Floor
Memphis, TN 38116

U.S. Mail: PO Box 727
Memphis, TN 38194-4643

Telephone: 901-369-3600

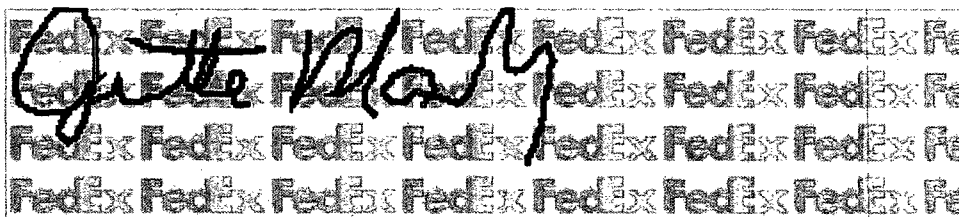
February 9, 2007

Dear Customer:

The following is the proof of delivery you requested with the tracking number **792287475235**.

Delivery Information:

Status:	Delivered	Delivery location:	Irvng, TX
Signed for by:	A.MARTINEZ	Delivery date:	Feb 9, 2007 09:20
Service type:	Priority Pak		



Shipping Information:

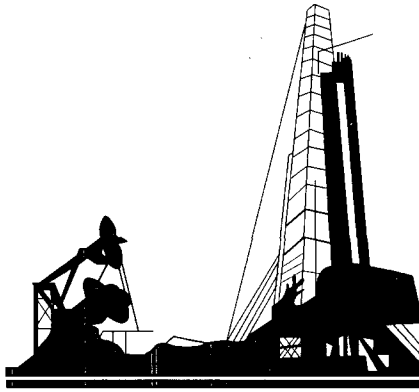
Tracking number:	792287475235	Ship date:	Feb 8, 2007
		Weight:	1.0 lbs.

Recipient:
Irvng, TX US

Shipper:
Artesia, NM US

Thank you for choosing FedEx Express.

FedEx Worldwide Customer Service
1.800.GoFedEx 1.800.463.3339



TRANSMITTAL COVER SHEET

OIL CONSERVATION DIVISION
1220 S. ST. FRANCIS DRIVE
SANTA FE, NM 87505
(505) 476-3440
(505)476-3462 (Fax)

PLEASE DELIVER THIS FAX:

TO: Raye Miller 505 - 746 - 2523

FROM: David Brooks

DATE: 2-14-07

PAGES: 2

SUBJECT: Amigo Fee #1

IF YOU HAVE TROUBLE RECEIVING THIS FAX, PLEASE CALL THE OFFICE
NUMBER ABOVE.



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

February 14, 2007

Mr. Raye Miller
Marbob Energy Corporation
FAX No. 505-746-2523

**Re: Administrative NSL Application
Amigo Fee Well No. 1
C-10-22S-27E, Eddy County**

Dear Raye:

I have the referenced application before me.

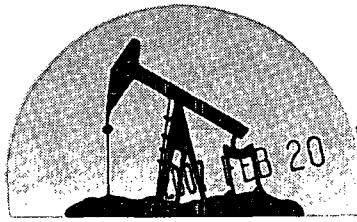
You letter states, "We targeted the deviation to get the first potential pay zone at an orthodox location." Will this well be cased, with all perforations located at an orthodox bottomhole location?

Separately, referring to our recent conversation about Rule 104.F(1), we have determined that the second sentence of 104.F(1) was, at some point, incorrectly transcribed. As originally adopted, the rule read, "These locations shall only require such prior approvals as are necessary for an orthodox location." OCD will shortly propose an amendment to Rule 104 to correct this.

Should you have questions, please feel free to call the undersigned at (505)-476-3450.

Very truly yours,

David K. Brooks,
Assistant General Counsel



marbob
energy corporation

Fax and Mail

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87504

Attention: Mr. David K. Brooks

RE: Administrative NSL Application
Amigo Fee Well No. 1
C-10-22S-27E, Eddy County

Dear Mr. Brooks,

In response to your questions regarding our application, the well will be cased with 5 ½" casing from surface to total depth drilled which is anticipated to be about 5,089 feet. All of our perforations will be at an orthodox location and we have no problem with the order being written with that requirement.

If you have any additional questions please contact me.

Sincerely,

Raye Miller
Land Department

Cc: Cimarex Energy
Mr. Toni Cervi

Cimarex Energy Co.
5215 N. O'Connor Blvd.
Suite 1500
Irving, Texas 75039
PHONE 972.401.0752
FAX 972.401.3110



February 26, 2007

VIA OVERNIGHT MAIL

Mr. Raye Miller
Marbob Energy Corporation
P.O. Box 227
Artesia, NM 88211-0227

Re: Administrative NSL Application
Amigo Fee Well No. 1
Sec. 10-22S-27E, Eddy County, NM

Dear Mr. Miller:

Magnum Hunter Production, Inc. ("MHPI"), a wholly-owned subsidiary of Cimarex Energy Co., has received notice of the referenced application currently on file with the New Mexico Oil Conservation Division.

MHPI does not object to Marbob's application, subject to the following conditions:

- The Amigo Fee Well No. 1 wellbore is actually deviated as indicated by the Pathfinder diagram attached to the referenced application, as near as reasonably practicable; and
- All perforations in the Amigo Fee Well No. 1 wellbore will be at an orthodox location.

If either of the two above conditions are not met, MHPI reserves the right to file a future objection with the NMOCD pertaining to the Amigo Fee Well No. 1. This waiver is based on materials provided by Marbob on February 8, 2007, and February 15, 2007, copies of which are enclosed herewith. If you have any questions, please do not hesitate to contact me.

Very truly yours,

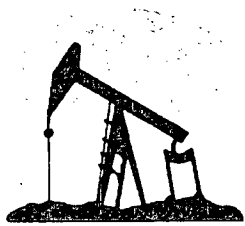
A handwritten signature in cursive script, appearing to read "Anthony J. Cervi".

Anthony J. Cervi
Regional Landman – Permian Basin

Enclosures

Cc: Mark E. Fesmire
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

2007 FEB 27 AM 9 05



marbob
energy corporation

February 8, 2007

Federal Express

Cimarex Energy Company
5215 North O'Connor Blvd., Suite 1500
Irving, Texas 75039

Attention: Mr. Tony Cervi

Re: Unorthodox Location
Offset Operator Notice
Amigo Fee #1
Section 10 T-22S R-27E
Eddy County, New Mexico

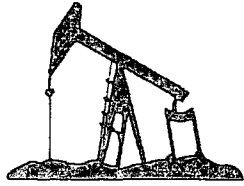
Dear Mr. Cervi:

Enclosed is a copy of the complete application we are sending to OCD except for the date you are receiving this. Please review and if you have any objection to this application, please timely file your objection with the Santa Fe OCD office. If you have any questions regarding the application, please contact us.

Sincerely,

Raye Miller
Land Department

RM/mp
Enclosure



marbob
energy corporation

February 2, 2007

Certified Mail – Return Receipt Requested

New Mexico Oil Conservation Division
1220 St. Francis Drive
Santa Fe, New Mexico 87504

Attention: Mr. Richard Ezeanyim

Re: Unorthodox Location
Administrative Approval Request
Amigo Fee #1
Surface Location: 1173 FNL, 2100 FWL
Section 10 T-22S R-27E, NMPM
Eddy County, New Mexico

Dear Mr. Ezeanyim:

Marbob Energy Corporation respectfully requests administrative approval for an unorthodox location for the Amigo Fee #1. The Amigo Fee #1 surface location is 1173 FNL and 2100 FWL in Section 10. The well will be drilled directionally with us being at a location 1673 FNL and 1900 FWL at a measured depth of 3450 feet and then allowing the well to drop naturally resulting in an anticipated bottom hole location of approximately 1836 FNL and 1822 FWL at a measure depth of 5089 feet and a true vertical depth of 5025 feet. The top of the Delaware formation should be encountered below 1800 feet subsurface and would be unorthodox until it reaches the measured depth of 3450 feet. Enclosed is a Pathfinder diagram showing the deviation plan proposed for this well. The next enclosure in this package is the OCD Form C-102 showing the proposed oil well spacing unit. The next enclosure is a map showing the adjoining spacing units with the colors identifying the affected spacing unit and the other offset spacing units. The next map is an enlargement of Section 10 showing the operators of the affected and offsetting proration units.

We would have preferred to drill this well at a standard location in the SE/4 NW/4, but the Carlsbad sewer plant sits in that 40 acre tract with the Pecos River bordering it on the south side. This is the best surface location as close as we could get to the plant to deviate under the plant. We targeted the deviation to get the first potential pay zone at an orthodox location. We have sent a copy of this entire application to the offset operator and we plan on contacting them by phone to explain our plan and answer any questions they may have. Enclosed is a copy of the Federal Express delivery information showing when they received the notice from us.

If you have any questions regarding this request, please contact me. Thank you for your review of the request.

Sincerely,

Raye Miller
Land Department

RM/mp
Enclosures

Marbob Energy

PATHFINDER

Field: Amigo Fee
Site: Amigo Fee #1
Well: Amigo Fee #1
Wellpath: Original
Plan: Plan #1 1/3/07

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	202.75	0.00	0.00	0.00	0.00	0.00	0.00	
2	600.00	0.00	202.75	600.00	0.00	0.00	0.00	202.75	0.00	
3	973.25	11.20	202.75	970.88	-33.53	-14.06	3.00	202.75	36.56	
4	3449.51	11.20	202.75	3400.00	-477.00	-200.00	0.00	0.00	517.23	Amigo Fee #1 Target @ 3,400'
5	5089.04	3.00	202.75	5025.57	-663.70	-278.28	0.50	180.00	719.67	

SITE DETAILS

Amigo Fee #1
Eddy County, NM
Site Centre Northing: 513392.50
Easting: 547742.90
Ground Level: 3112.00
Positional Uncertainty: 0.00
Convergence: 0.08

FIELD DETAILS

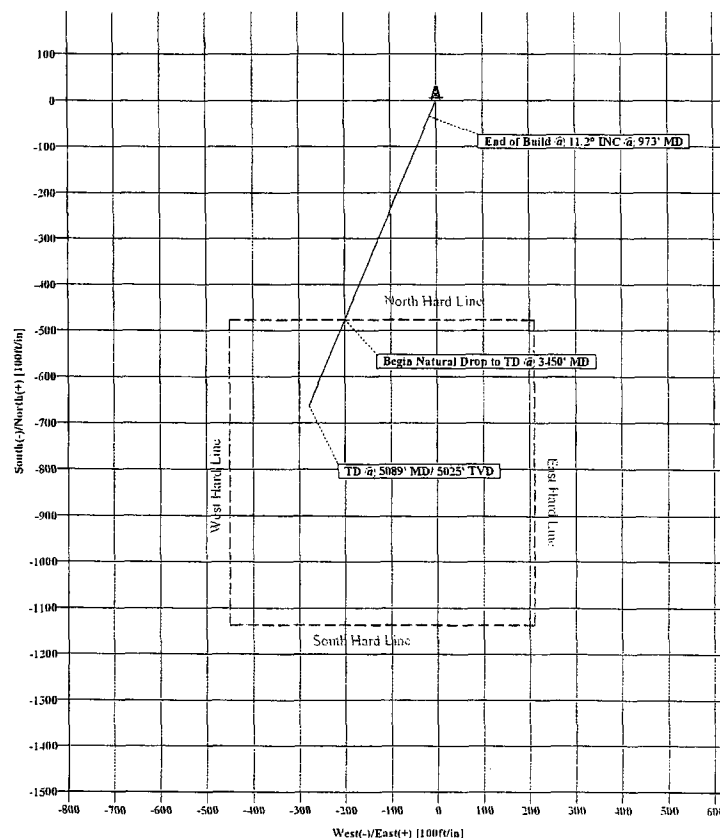
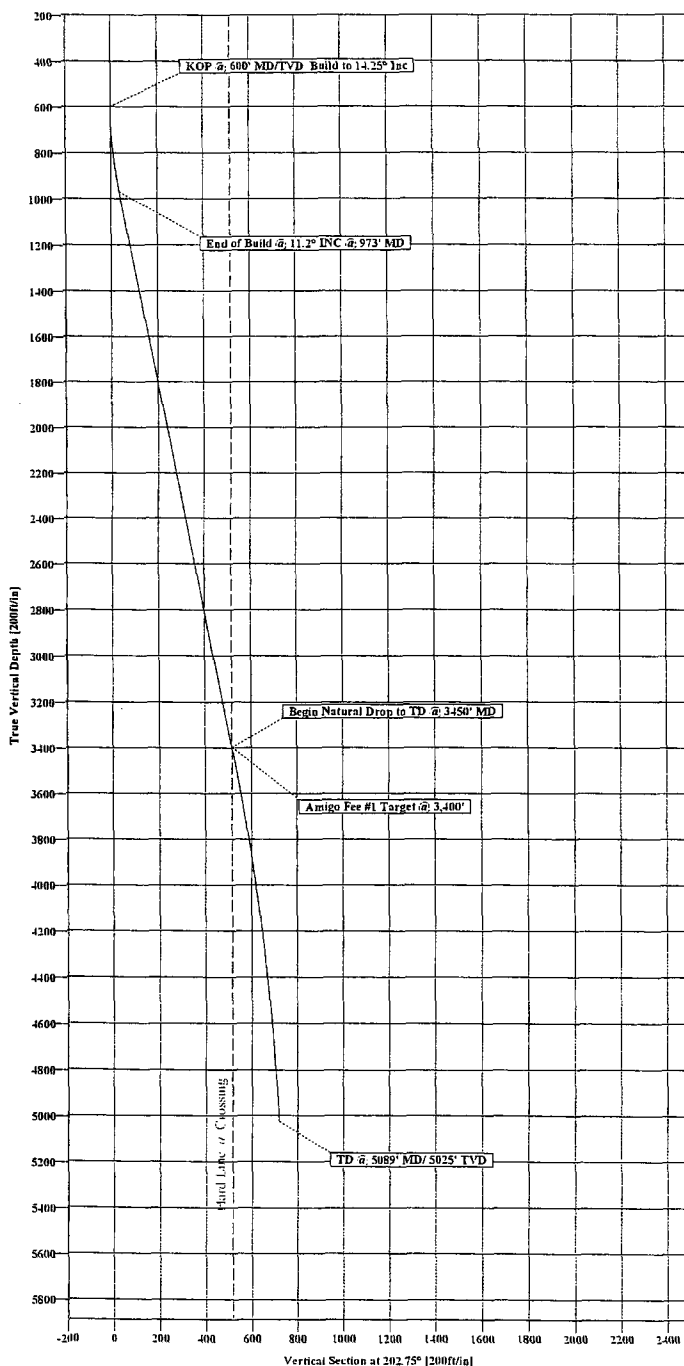
Amigo Fee
Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: New Mexico, Eastern Zone
Magnetic Model: igrf2005
System Datum: Mean Sea Level
Local North: Grid North

ANNOTATIONS

No.	TVD	MD	Annotation
1	600.00	600.00	KOP @ 600' MD/TVD Build to 14.25° Inc
2	970.88	973.25	End of Build @ 11.2° INC @ 973' MD
3	3400.00	3449.51	Begin Natural Drop to TD @ 3450' MD
4	5025.57	5089.04	TD @ 5089' MD/ 5025' TVD

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Amigo Fee #1	0.00	0.00	513392.50	547742.90	32°24'40.806"N	104°10'43.056"W	N/A



Pathfinder Energy

Planning Report

Company: Marbob Energy
Field: Amigo Fee
Site: Amigo Fee #1
Well: Amigo Fee #1
Wellpath: Original

Date: 1/22/2007 **Time:** 14:52:41 **Page:** 2
Co-ordinate(NE) Reference: Site: Amigo Fee #1, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,202.75Azi)
Plan: Plan #2 1/22/07

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
1500.00	11.20	202.75	1487.60	-127.86	-53.61	138.65	0.00	0.00	0.00	
1600.00	11.20	202.75	1585.70	-145.77	-61.12	158.07	0.00	0.00	0.00	
1700.00	11.20	202.75	1683.79	-163.68	-68.63	177.49	0.00	0.00	0.00	
1800.00	11.20	202.75	1781.89	-181.59	-76.14	196.91	0.00	0.00	0.00	
1900.00	11.20	202.75	1879.99	-199.50	-83.65	216.33	0.00	0.00	0.00	
2000.00	11.20	202.75	1978.08	-217.41	-91.16	235.75	0.00	0.00	0.00	
2100.00	11.20	202.75	2076.18	-235.32	-98.67	255.16	0.00	0.00	0.00	
2200.00	11.20	202.75	2174.28	-253.23	-106.17	274.58	0.00	0.00	0.00	
2300.00	11.20	202.75	2272.37	-271.14	-113.68	294.00	0.00	0.00	0.00	
2400.00	11.20	202.75	2370.47	-289.04	-121.19	313.42	0.00	0.00	0.00	
2500.00	11.20	202.75	2468.56	-306.95	-128.70	332.84	0.00	0.00	0.00	
2600.00	11.20	202.75	2566.66	-324.86	-136.21	352.26	0.00	0.00	0.00	
2700.00	11.20	202.75	2664.76	-342.77	-143.72	371.68	0.00	0.00	0.00	
2800.00	11.20	202.75	2762.85	-360.68	-151.23	391.10	0.00	0.00	0.00	
2900.00	11.20	202.75	2860.95	-378.59	-158.74	410.52	0.00	0.00	0.00	
3000.00	11.20	202.75	2959.05	-396.50	-166.25	429.94	0.00	0.00	0.00	
3100.00	11.20	202.75	3057.14	-414.41	-173.76	449.36	0.00	0.00	0.00	
3200.00	11.20	202.75	3155.24	-432.32	-181.26	468.78	0.00	0.00	0.00	
3300.00	11.20	202.75	3253.33	-450.22	-188.77	488.20	0.00	0.00	0.00	
3400.00	11.20	202.75	3351.43	-468.13	-196.28	507.62	0.00	0.00	0.00	
3449.51	11.20	202.75	3400.00	-477.00	-200.00	517.23	0.00	0.00	0.00	Amigo Fee #1 Target @ 3,4
3500.00	10.95	202.75	3449.55	-485.94	-203.75	526.93	0.50	-0.50	0.00	
3600.00	10.45	202.75	3547.81	-503.06	-210.92	545.49	0.50	-0.50	0.00	
3700.00	9.95	202.75	3646.23	-519.38	-217.77	563.19	0.50	-0.50	0.00	
3800.00	9.45	202.75	3744.80	-534.91	-224.28	580.03	0.50	-0.50	0.00	
3900.00	8.95	202.75	3843.52	-549.65	-230.46	596.01	0.50	-0.50	0.00	
4000.00	8.45	202.75	3942.37	-563.59	-236.31	611.12	0.50	-0.50	0.00	
4100.00	7.95	202.75	4041.35	-576.73	-241.82	625.38	0.50	-0.50	0.00	
4200.00	7.45	202.75	4140.45	-589.08	-247.00	638.77	0.50	-0.50	0.00	
4300.00	6.95	202.75	4239.66	-600.63	-251.84	651.29	0.50	-0.50	0.00	
4400.00	6.45	202.75	4338.98	-611.39	-256.35	662.95	0.50	-0.50	0.00	
4500.00	5.95	202.75	4438.39	-621.34	-260.52	673.74	0.50	-0.50	0.00	
4600.00	5.45	202.75	4537.90	-630.49	-264.36	683.67	0.50	-0.50	0.00	
4700.00	4.95	202.75	4637.49	-638.84	-267.86	692.72	0.50	-0.50	0.00	
4800.00	4.45	202.75	4737.15	-646.39	-271.02	700.91	0.50	-0.50	0.00	
4900.00	3.95	202.75	4836.88	-653.14	-273.85	708.22	0.50	-0.50	0.00	
5000.00	3.45	202.75	4936.67	-659.08	-276.34	714.67	0.50	-0.50	0.00	
5089.04	3.00	202.75	5025.57	-663.70	-278.28	719.67	0.50	-0.50	0.00	TD @ 5089' MD/ 5025' TVD

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		
Amigo Fee #1 Target @ 3,400' -Plan hit target		3400.00	-477.00	-200.00	512915.50	547542.90	32	24	36.088 N	104	10	45.398 W

Annotation

MD ft	TVD ft	
600.00	600.00	KOP @ 600' MD/TVD Build to 14.25° Inc
973.25	970.88	End of Build @ 11.2° INC @ 973' MD
3449.51	3400.00	Begin Natural Drop to TD @ 3450' MD
5089.04	5025.57	TD @ 5089' MD/ 5025' TVD

Pathfinder Energy

Planning Report

Company: Marbob Energy		Date: 1/22/2007		Time: 14:52:41		Page: 1	
Field: Amigo Fee		Co-ordinate(NE) Reference: Site: Amigo Fee #1, Grid North					
Site: Amigo Fee #1		Vertical (TVD) Reference: SITE 0.0					
Well: Amigo Fee #1		Section (VS) Reference: Well (0.00N,0.00E,202.75Azi)					
Wellpath: Original		Plan: Plan #2 1/22/07					

Field: Amigo Fee			
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: Amigo Fee #1			
Eddy County, NM			
Site Position:	Northing: 513392.50 ft	Latitude: 32 24 40.806 N	
From: Map	Easting: 547742.90 ft	Longitude: 104 10 43.056 W	
Position Uncertainty: 0.00 ft		North Reference: Grid	
Ground Level: 3112.00 ft		Grid Convergence: 0.08 deg	

Well: Amigo Fee #1		Slot Name:	
Well Position: +N/-S 0.00 ft	Northing: 513392.50 ft	Latitude: 32 24 40.806 N	
+E/-W 0.00 ft	Easting: 547742.90 ft	Longitude: 104 10 43.056 W	
Position Uncertainty: 0.00 ft			

Wellpath: Original		Drilled From: Surface	
Current Datum: SITE	Height 0.00 ft	Tie-on Depth: 0.00 ft	
Magnetic Data: 1/3/2007		Above System Datum: Mean Sea Level	
Field Strength: 49149 nT		Declination: 8.39 deg	
Vertical Section: Depth From (TVD)	+N/-S	Mag Dip Angle: 60.37 deg	
ft	ft	+E/-W	Direction
		ft	deg
0.00	0.00	0.00	202.75

Plan: Plan #2 1/22/07		Date Composed: 1/3/2007	
Principal: No		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	202.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	202.75	600.00	0.00	0.00	0.00	0.00	0.00	202.75	
973.25	11.20	202.75	970.88	-33.53	-14.06	3.00	3.00	0.00	202.75	
3449.51	11.20	202.75	3400.00	-477.00	-200.00	0.00	0.00	0.00	0.00	Amigo Fee #1 Target @ 3,4
5089.04	3.00	202.75	5025.57	-663.70	-278.28	0.50	-0.50	0.00	180.00	

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	202.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	202.75	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	202.75	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	202.75	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	202.75	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	202.75	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	202.75	600.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP @ 600' MD/TVD Build
700.00	3.00	202.75	699.95	-2.41	-1.01	2.62	3.00	3.00	0.00	
800.00	6.00	202.75	799.63	-9.65	-4.05	10.46	3.00	3.00	0.00	
900.00	9.00	202.75	898.77	-21.68	-9.09	23.51	3.00	3.00	0.00	
973.25	11.20	202.75	970.88	-33.53	-14.06	36.36	3.00	3.00	0.00	End of Build @ 11.2° INC
1000.00	11.20	202.75	997.12	-38.32	-16.07	41.55	0.00	0.00	0.00	
1100.00	11.20	202.75	1095.22	-56.23	-23.58	60.97	0.00	0.00	0.00	
1200.00	11.20	202.75	1193.31	-74.14	-31.08	80.39	0.00	0.00	0.00	
1300.00	11.20	202.75	1291.41	-92.05	-38.59	99.81	0.00	0.00	0.00	
1400.00	11.20	202.75	1389.50	-109.96	-46.10	119.23	0.00	0.00	0.00	

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

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

Form C-102
Revised October 12, 2005
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	Pool Name
Property Code	Property Name AMIGO FEE	Well Number 1
GRID No.	Operator Name MARBOB ENERGY CORPORATION	Elevation 3112'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	10	22-S	27-E		1173	NORTH	2100	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
F	10	22-S	27-E		1836	NORTH	1822	WEST	EDDY

Dedicated Acres	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

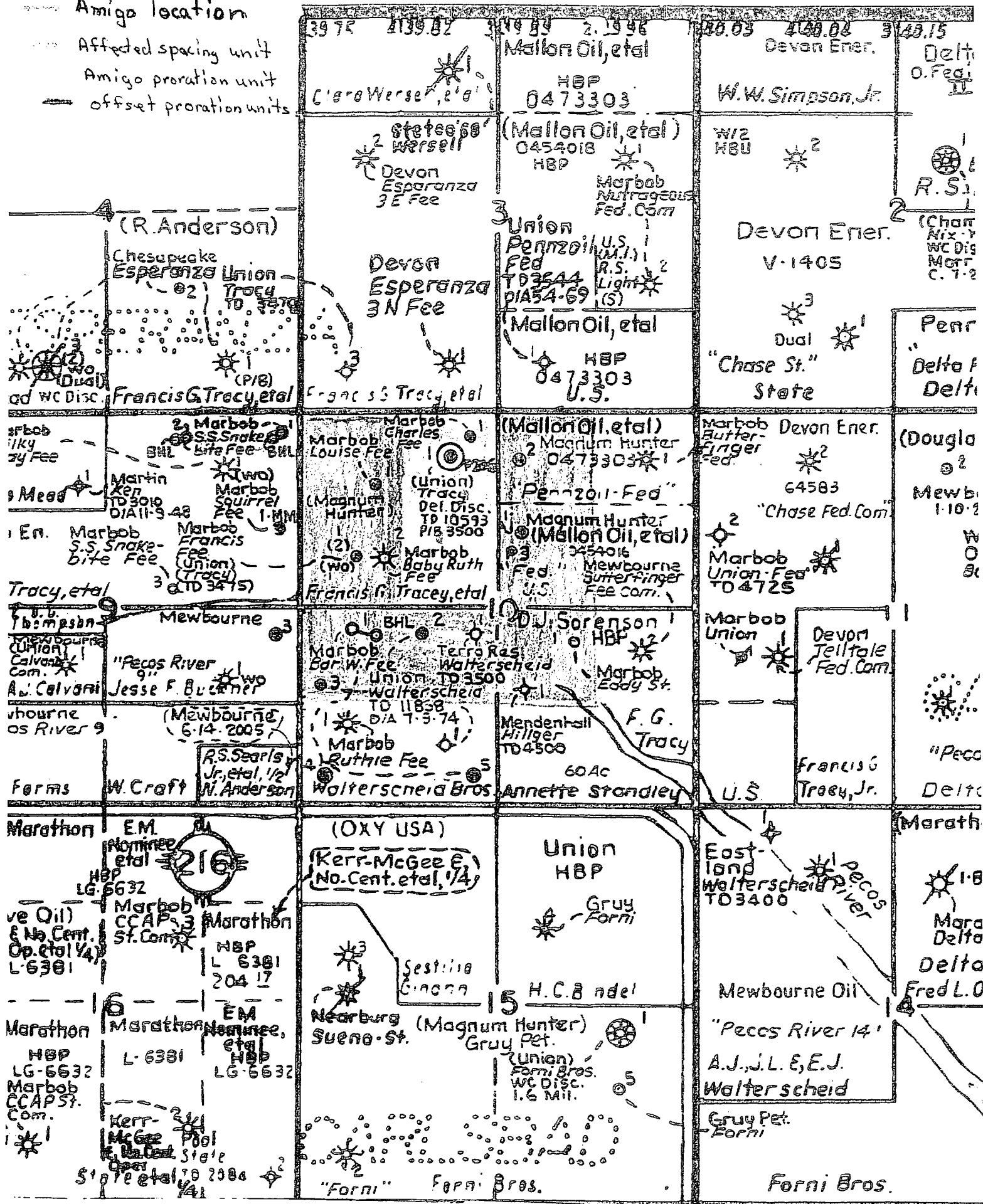
Diagram showing well location (SURF. and B.H.) and distances (1836', 1173', 2100', 1822', 3118.5', 3119.7', 3115.3', 3113.1', 600', 450'). GEODETIC COORDINATES NAD 27 NME SURF. Y=513392.5 N X=547742.9 E LAT.=32.411335° N LONG.=104.178627° W B.H. Y=512732.9 N X=547467.3 E GR. AZ.=202°40'23" GR. DIST.=715.1'	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature _____ Date _____ Printed Name _____ 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. NOVEMBER 16, 2006 Date Surveyed REV: 02/05/07 JR Signature & Seal of Professional Surveyor <i>Gary A. Edson</i> 2/5/07 06.11.1834 Certificate No. GARY EIDSON 12641
---	---

Amigo location

Affected spacing unit

Amigo proration unit

offset proration units



Amigo location

Amigo proration unit

offset operator Marbob Energy Corp

offset operator Cimarex Energy Company

Mallon Oil, et al

HBP

0473303
U.S.

Marbob Charles Fee
Marbob Louise Fee
(Magnum Hunter)
(2) (wo)
Francis R Tracey, et al
Marbob Baby Ruth Fee
Del. Disc.
TD 10593
PIB/3500

(Mallon Oil, et al)
2 Magnum Hunter
0473303
"Penn-2011-Fed"
Magnum Hunter
(Mallon Oil, et al)
3454016
Fed. Newbourn
Sutterfinger
U.S. Fee Com.

1 BHL 2
Marbob Bar W. Fee
3 Union TD 3500
Walterscheid
TD 11858
DIA 7.5.74
Marbob Ruthie Fee
Walterscheid Bros

D.J. Sorenson
HBP
Marbob Eddy St.
Mendenhall
Hillger
TD 4300
F.G. Tracy
60 Ac
Annette Standley

(OXY USA)

Union



FAX COVER SHEET

To:	Mr. Toni Cervi	From:	Raye Miller
Company:	Cimarex	Date:	February 15, 2007
Fax No.:	972 443 6450	Pages:	3

Mr. Cervi:

Amigo letter sent to David Brooks-OCD

Do not hesitate to contact me should you have any questions

Thanks,

Raye Miller

If you have trouble receiving this fax, please call
Nancy at 505-748-3303.

P.O. Box 227 • Artesia, New Mexico 88211-0227 • 505-748-3303 • Fax 505-746-2523



marbob
energy corporation

Fax and Mail

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87504

Attention: Mr. David K. Brooks

RE: Administrative NSL Application
Amigo Fee Well No. 1
C-10-22S-27E, Eddy County

Dear Mr. Brooks,

In response to your questions regarding our application, the well will be cased with 5 ½" casing from surface to total depth drilled which is anticipated to be about 5,089 feet. All of our perforations will be at an orthodox location and we have no problem with the order being written with that requirement.

If you have any additional questions please contact me.

Sincerely,

Raye Miller
Land Department

Cc: Cimarex Energy
Mr. Toni Cervi

P.O. Box 227 • Artesia, New Mexico 88211-0227 • (505) 748-3303 • Fax (505) 746-2523

P. 02/03

FAX NO. 15057462523

FEB-15-2007 THU 10:47 AM MARBOB ENERGY CORP



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Besmire, P.E.

Director

Oil Conservation Division

February 14, 2007

Mr. Rayo Miller
Marbob Energy Corporation
FAX No. 505-746-2523

**Re: Administrative NSL Application
Amigo Fee Well No. 1
C-10-22S-27E, Eddy County**

Dear Rayo:

I have the referenced application before me.

You letter states, "We targeted the deviation to get the first potential pay zone at an orthodox location." Will this well be cased, with all perforations located at an orthodox bottomhole location?

Separately, referring to our recent conversation about Rule 104.F(1), we have determined that the second sentence of 104.F(1) was, at some point, incorrectly transcribed. As originally adopted, the rule read, "These locations shall only require such prior approvals as are necessary for an orthodox location." OCD will shortly propose an amendment to Rule 104 to correct this.

Should you have questions, please feel free to call the undersigned at (505)-476-3450.

Very truly yours,

A handwritten signature in black ink, appearing to read "David K. Brooks".

David K. Brooks,
Assistant General Counsel