

Submit 3 Copies To Appropriate District Office  
 District I  
 1625 N. French Dr., Hobbs, NM 87240  
 District II  
 1301 W. Grand Avenue, Artesia, NM 88210  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised March 25, 1999

OIL CONSERVATION DIVISION  
 2040 South Pacheco  
 Santa Fe, NM 87505

WELL API NO. 30-025-35934
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. Lease Name or Unit Agreement Name:  Cooper "4"
2. Name of Operator Matador Operating Company	8. Well No. 3	
3. Address of Operator 8340 Meadow Road #150 Dallas, TX 75231	9. Pool name or Wildcat Drinkard	
4. Well Location  Unit Letter <u>E</u> : <u>2310</u> feet from the <u>North</u> line and <u>600</u> feet from the <u>West</u> line  Section <u>4</u> Township <u>20S</u> Range <u>37E</u> NMPM Lea County		
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 3556'		

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

Matador Operating Company proposes to sidetrack the existing borehole in the following manner:

- Run Gyro to confirm original BHL (completed-see below)
- Set 400' cement plug from 5200'-4800' to kick off sidetrack hole (completed - pumped 175 sx Class "H" + 0.75% CFR-3)
- Dress off cement to proposed KOP @ 5000'
- PU Directional BHA and drill sidetrack hole to proposed BHL @ 1750' FNL & 450' FWL, Sec 4, T20S, R37E. Estimated sidetrack total depth of 6800' MD/6700' TVD.

Gyro results from original borehole:  
 BHL @ 6800': 2329' FNL & 475' FWL  
 BHL @ 5000': (Est. KOP) 2303' FNL & 523' FWL

Full Gyro and Directional Surveys will be submitted with completion filing.

\*Work initiated per Paul Kautz's verbal of 7/12/02.

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

SIGNATURE Jim Kramer TITLE Sr. Drilling Engineer DATE 7/15/02

Type or print name Jim Kramer Telephone No. 214 987-7128

(This space for State use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE JUL 23 2002

Conditions of approval, if any: \_\_\_\_\_ OC FIELD REPRESENTATIVE II/STAFF MANAGER

J  
L

DISTRICT I  
 P. O. Box 1980  
 Hobbs, NM 88241-1980

State of New Mexico  
 Energy, Minerals, and Natural Resources Department

Form C-102  
 Revised 02-10-94  
 Instructions on back

DISTRICT II  
 P. O. Drawer DD  
 Artesia, NM 88211-0719

**OIL CONSERVATION DIVISION**  
 P. O. Box 2088  
 Santa Fe, New Mexico 87504-2088

Submit to the Appropriate  
 District Office  
 State Lease - 4 copies  
 Fee Lease - 3 copies

DISTRICT III  
 1000 Rio Brazos Rd.  
 Aztec, NM 87410

AMENDED REPORT

DISTRICT IV  
 P. O. Box 2088  
 Santa Fe, NM 87507-2088

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-025-35934	<sup>2</sup> Pool Code 97060	<sup>3</sup> Pool Name Monument; Drinkard
<sup>4</sup> Property Code 29158	<sup>5</sup> Property Name COOPER '4'	
<sup>7</sup> OGRID No. 14245	<sup>8</sup> Operator Name MATADOR OPERATING COMPANY	<sup>6</sup> Well Number 3
		<sup>9</sup> Elevation 3556'

**"0 SURFACE LOCATION**

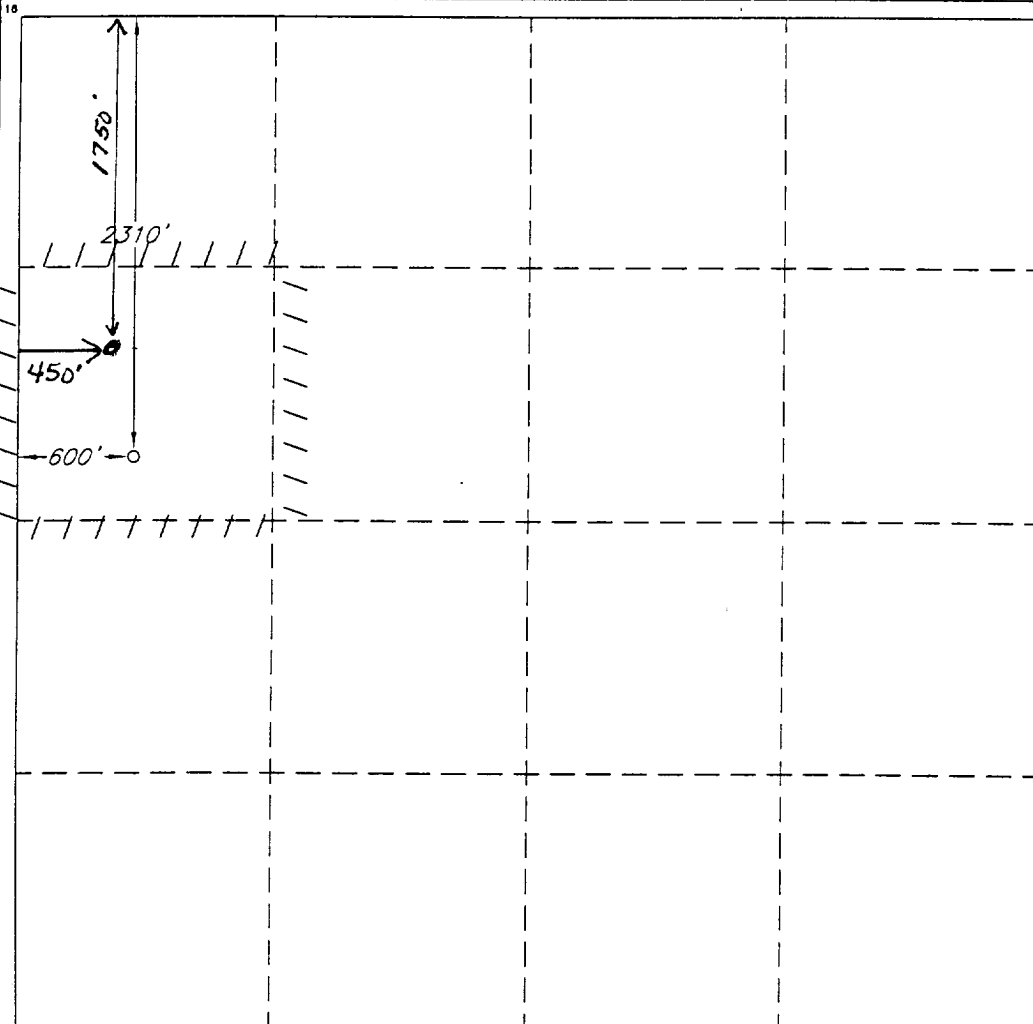
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
E	4	20 SOUTH	37 EAST, N.M.P.M.		2310'	NORTH	600'	WEST	LEA

**" BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE**

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
E	4	20 South	37 East		1750	North	450	West	Lea

<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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NO ALLOWABLE WELL 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 contained herein is true and complete to the best of my knowledge and belief.

Signature  
  
 Printed Name  
 Jim Kramer  
 Title  
 Sr. Drilling Engineer  
 Date  
 7/15/02

**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.

Date of Survey  
 MARCH 12, 2002  
 Signature and Seal of Professional Surveyor  
  
 Certificate No.  
 V. L. BEZNER R.P.S. #7920  
 JOB #80816 / 71 SE / J.C.P.

S C I E N T I F I C     D R I L L I N G     C O N T R O L S

KEEPER GYRO SURVEY  
Directional Survey Report  
for

MATADOR

Well Number	:	COOPER 4 NO.3
Well Location	:	LEA COUNTY, NEW MEXICO
Job Number	:	32K0702220
Location Latitude	:	32.603
Survey Date	:	11-JUL-2002
S.D.C. Personnel	:	ANGEL GUEBARA
Length Units	:	Feet
North Reference	:	TRUE North
Grid Correction	:	0.00 Degrees
Survey Depth Zero	:	RKB
Proposal Direction	:	
Calculation Method	:	Minimum Curvature

Remarks : The INRUN Survey will be called definitive

# SCIENTIFIC DRILLING CONTROLS

Inrun Survey  
for  
MATADOR

Page 1

Well No. : COOPER 4 NO.3  
Job No. : 32K0702220

Date : 11-JUL-2002

Proposal : 0.00

Depth ( Feet )	T.V.D. ( Feet )	V.S. ( Feet )	Inc Deg.	TRUE Azimuth Deg.	Latitude ( Feet )	Departure ( Feet )	D-log /100
					N/S	E/W	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	100.00	-0.14	0.16	173.32	-0.14	0.02	0.16
200.00	200.00	-0.36	0.10	181.51	-0.36	0.03	0.06
300.00	300.00	-0.55	0.16	225.38	-0.55	-0.07	0.11
400.00	400.00	-0.68	0.04	211.52	-0.68	-0.19	0.12
500.00	500.00	-0.80	0.26	114.76	-0.80	-0.00	0.27
600.00	600.00	-0.95	0.24	104.76	-0.95	0.41	0.05
700.00	700.00	-1.12	0.26	122.51	-1.12	0.80	0.08
800.00	800.00	-1.33	0.36	104.61	-1.33	1.29	0.14
900.00	899.99	-1.50	0.32	109.40	-1.50	1.86	0.05
1000.00	999.99	-2.02	0.55	152.22	-2.02	2.35	0.38
1100.00	1099.98	-3.03	0.75	201.04	-3.03	2.34	0.55
1200.00	1199.97	-4.18	0.95	227.62	-4.18	1.50	0.44
1300.00	1299.96	-5.31	1.13	234.45	-5.31	0.09	0.22
1400.00	1399.94	-6.46	1.13	234.60	-6.46	-1.51	0.00
1500.00	1499.92	-7.39	0.90	242.10	-7.39	-3.01	0.26
1600.00	1599.91	-7.96	0.42	237.67	-7.96	-4.02	0.48
1700.00	1699.91	-7.54	0.72	350.36	-7.54	-4.43	0.96
1800.00	1799.90	-5.92	1.17	348.53	-5.92	-4.74	0.45
1900.00	1899.87	-3.67	1.43	355.20	-3.67	-5.05	0.30
2000.00	1999.83	-0.70	2.02	11.63	-0.70	-4.79	0.77
2100.00	2099.75	3.03	2.39	16.37	3.03	-3.85	0.41
2200.00	2199.66	7.13	2.53	17.21	7.13	-2.61	0.14
2300.00	2299.56	11.39	2.58	16.86	11.39	-1.81	0.05
2400.00	2399.46	15.72	2.61	17.53	15.72	-0.03	0.04
2500.00	2499.37	19.79	2.25	14.38	19.79	1.21	0.38
2600.00	2599.30	23.27	1.80	356.91	23.27	1.61	0.76
2700.00	2699.26	25.87	1.49	322.54	25.87	0.73	1.02
2800.00	2799.23	27.71	1.43	310.62	27.71	-1.00	0.31
2900.00	2899.20	29.17	1.25	306.31	29.17	-2.83	0.21
3000.00	2999.18	30.03	1.51	279.28	30.03	-5.01	0.69
3100.00	3099.14	30.29	1.39	272.17	30.29	-7.52	0.21
3200.00	3199.11	30.11	1.63	260.86	30.11	-10.13	0.38
3300.00	3299.07	29.66	1.77	261.72	29.66	-13.06	0.14
3400.00	3399.02	29.12	1.79	258.06	29.12	-16.12	0.12
3500.00	3498.97	28.32	1.91	253.29	28.32	-19.24	0.19
3600.00	3598.91	27.08	1.90	242.71	27.08	-22.31	0.35
3700.00	3698.86	25.59	1.74	241.40	25.59	-25.11	0.16
3800.00	3798.82	24.12	1.68	239.77	24.12	-27.71	0.08
3900.00	3898.77	22.90	1.81	251.93	22.90	-30.48	0.39

S C I E N T I F I C     D R I L L I N G     C O N T R O L S

Inrun Survey  
for  
MATADOR

Page 2

Well No. : COOPER 4 NO.3

Date : 11-JUL-2002

Job No. : 32K0702220

Proposal : 0.00

Depth ( Feet )	T.V.D. ( Feet )	V.S. ( Feet )	Inc Deg.	TRUE Azimuth Deg.	Latitude ( Feet )	Departure ( Feet )	D-leg /100
4000.00	3998.72	22.17	1.89	261.61	22.17	-33.61	0.32
4100.00	4098.66	21.65	2.04	261.04	21.65	-37.00	0.15
4200.00	4198.59	20.90	2.22	255.79	20.90	-40.63	0.27
4300.00	4298.50	19.64	2.70	250.66	19.64	-44.73	0.53
4400.00	4398.37	18.05	3.00	251.95	18.05	-49.44	0.31
4500.00	4498.23	16.39	3.14	251.92	16.39	-54.52	0.14
4600.00	4598.07	15.04	3.22	259.65	15.04	-59.89	0.44
4700.00	4697.94	14.01	2.64	256.79	14.01	-64.90	0.59
4800.00	4797.84	12.32	2.67	240.03	12.32	-69.14	0.77
4900.00	4897.73	9.90	2.65	237.03	9.90	-73.12	0.14
5000.00	4997.62	7.39	2.72	238.32	7.39	-77.08	0.09
5100.00	5097.51	4.91	2.62	237.35	4.91	-81.02	0.11
5200.00	5197.41	2.61	2.64	242.38	2.61	-84.98	0.23
5300.00	5297.31	0.61	2.28	242.07	0.61	-88.78	0.36
5400.00	5397.24	-1.03	1.98	245.91	-1.03	-92.12	0.33
5500.00	5497.19	-2.32	1.75	247.43	-2.32	-95.11	0.23
5600.00	5597.14	-3.65	1.91	243.49	-3.65	-98.01	0.20
5700.00	5697.09	-5.17	1.80	240.51	-5.17	-100.87	0.15
5800.00	5797.04	-6.83	1.89	237.52	-6.83	-103.63	0.13
5900.00	5896.98	-8.70	1.84	231.95	-8.70	-106.28	0.19
6000.00	5996.92	-10.89	2.07	228.11	-10.89	-108.89	0.26
6100.00	6096.86	-13.15	2.00	233.09	-13.15	-111.63	0.19
6200.00	6196.80	-15.28	1.88	229.74	-15.28	-114.26	0.19
6300.00	6296.77	-16.64	0.90	249.48	-16.64	-116.23	1.09
6400.00	6396.76	-16.95	0.92	267.50	-16.95	-117.77	0.29
6500.00	6496.75	-17.29	1.01	249.96	-17.29	-119.40	0.31
6600.00	6596.73	-17.82	1.21	257.49	-17.82	-121.26	0.25
6700.00	6696.71	-18.40	1.16	249.17	-18.40	-123.23	0.18
6774.00	6770.69	-18.99	1.13	244.11	-18.99	-124.59	0.14

The Horizontal Displacement ( in Feet ) at  
Measured Depth 6774.00 is 126.03 in a Direction of 261.33 Degrees

# Ryan Energy Planning Report

<b>Company:</b> Matador Operating Company <b>Field:</b> Eumont Area Drilling Program <b>Site:</b> Cooper "4" #3 <b>Well:</b> Cooper "4" #3 <b>Wellpath:</b> Sidetrack #1	<b>Date:</b> 7/12/2002 <b>Co-ordinate(NE) Reference:</b> Site: Cooper "4" #3, True North <b>Vertical (TVD) Reference:</b> SITE 3556.0 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,345.00Azi) <b>Plan:</b> Plan #2	<b>Time:</b> 16:44:09 <b>Page:</b> 1
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**Field:** Eumont Area Drilling Program  
Lea County, New Mexico

<b>Map System:</b> US State Plane Coordinate System 1927 <b>Geo Datum:</b> NAD27 (Clarke 1866) <b>Sys Datum:</b> Mean Sea Level	<b>Map Zone:</b> New Mexico, Eastern Zone <b>Coordinate System:</b> Site Centre <b>Geomagnetic Model:</b> igrf2000
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**Site:** Cooper "4" #3

Lea County, New Mexico

<b>Site Position:</b> <b>From:</b> Lease Line <b>Position Uncertainty:</b> 0.00 ft <b>Ground Level:</b> 3556.00 ft	<b>Northing:</b> ft <b>Easting:</b> ft	<b>Latitude:</b> <b>Longitude:</b> <b>North Reference:</b> True <b>Grid Convergence:</b> 1 deg
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**Well:** Cooper "4" #3

**Slot Name:**

<b>Well Position:</b> +N/-S 0.00 ft +E/-W 0.00 ft <b>Position Uncertainty:</b> 0.00 ft	<b>Northing:</b> 582513.70 ft <b>Easting:</b> 832350.77 ft	<b>Latitude:</b> 32 35 48.480 N <b>Longitude:</b> 103 15 15.100 W
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**Wellpath:** Sidetrack #1

<b>Current Datum:</b> SITE <b>Magnetic Data:</b> 7/12/2002 <b>Field Strength:</b> 49908 nT <b>Vertical Section:</b> Depth From (TVD) ft	<b>Height</b> 3556.00 ft +N/-S ft +E/-W ft	<b>Drilled From:</b> Original Hole <b>Tie-on Depth:</b> 5000.00 ft <b>Above System Datum:</b> Mean Sea Level <b>Declination:</b> 9 deg <b>Mag Dip Angle:</b> 61 deg Direction deg	0.00 0.00 0.00 345.00
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**Plan:** Plan #2

**Date Composed:** 7/12/2002  
**Version:** 5  
**Tied-to:** From: Definitive Path

**Principal:** Yes

**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
5000.00	2.72	238.32	4997.63	7.50	-77.28	0.00	0.00	0.00	0	<div style="border: 1px solid black; padding: 5px; display: inline-block;">           TIE-IN TO Gylo         </div>
5358.74	20.24	353.30	5349.23	65.34	-91.94	6.00	4.88	32.05	121	
6798.42	20.24	353.30	6700.00	560.03	-150.05	0.00	0.00	0.00	4	

**Section 1 : Start DLS 6.00 TFO 121.27**

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	TFO deg
5000.00	2.72	238.32	4997.63	7.50	-77.28	27.24	0.00	0.00	0.00	0
5100.00	5.14	332.80	5097.46	10.24	-81.35	30.95	6.00	2.42	94.48	121
5200.00	10.84	347.38	5196.46	23.41	-85.46	44.73	6.00	5.70	14.57	27
5300.00	16.74	351.87	5293.53	46.86	-89.56	68.45	6.00	5.91	4.49	12
5358.74	20.24	353.30	5349.23	65.34	-91.94	86.91	6.00	5.95	2.44	8

**Section 2 : Start DLS 0.00 TFO 3.60**

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	TFO deg
5400.00	20.24	353.30	5387.95	79.52	-93.60	101.03	0.00	0.00	0.00	4
5441.77	20.24	353.30	5427.14	93.87	-95.29	115.33	0.00	0.00	0.00	0
5500.00	20.24	353.30	5481.77	113.87	-97.64	135.27	0.00	0.00	0.00	4
5600.00	20.24	353.30	5575.60	148.23	-101.68	169.50	0.00	0.00	0.00	4
5700.00	20.24	353.30	5669.42	182.59	-105.71	203.73	0.00	0.00	0.00	4
5800.00	20.24	353.30	5763.25	216.95	-109.75	237.97	0.00	0.00	0.00	4
5900.00	20.24	353.30	5857.07	251.31	-113.79	272.20	0.00	0.00	0.00	4
6000.00	20.24	353.30	5950.89	285.68	-117.82	306.44	0.00	0.00	0.00	4
6100.00	20.24	353.30	6044.72	320.04	-121.86	340.67	0.00	0.00	0.00	4
6200.00	20.24	353.30	6138.54	354.40	-125.90	374.91	0.00	0.00	0.00	4
6300.00	20.24	353.30	6232.37	388.76	-129.93	409.14	0.00	0.00	0.00	4

# Ryan Energy Planning Report

<b>Company:</b> Matador Operating Company	<b>Date:</b> 7/12/2002	<b>Time:</b> 16:44:09	<b>Page:</b> 2
<b>Field:</b> Eumont Area Drilling Program	<b>Co-ordinate(NE) Reference:</b> Site: Cooper "4" #3, True North		
<b>Site:</b> Cooper "4" #3	<b>Vertical (TVD) Reference:</b> SITE 3556.0		
<b>Well:</b> Cooper "4" #3	<b>Section (VS) Reference:</b> Well (0.00N,0.00E,345.00Azi)		
<b>Wellpath:</b> Sidetrack #1	<b>Plan:</b> Plan #2		

**Section 2 : Start DLS 0.00 TFO 3.60**

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	TFO deg
6400.00	20.24	353.30	6326.19	423.12	-133.97	443.38	0.00	0.00	0.00	4
6500.00	20.24	353.30	6420.02	457.49	-138.00	477.61	0.00	0.00	0.00	4
6600.00	20.24	353.30	6513.84	491.85	-142.04	511.85	0.00	0.00	0.00	4
6700.00	20.24	353.30	6607.66	526.21	-146.08	546.09	0.00	0.00	0.00	4
6798.42	20.24	353.30	6700.00	560.03	-150.05	579.78	0.00	0.00	0.00	4

**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
5000.00	2.72	238.32	4997.63	7.50	-77.28	27.24	0.00	0.00	0.00	Tie-in to Gyro Survey/Bui
5100.00	5.14	332.80	5097.46	10.24	-81.35	30.95	6.00	2.42	94.48	
5200.00	10.84	347.38	5196.46	23.41	-85.46	44.73	6.00	5.70	14.57	
5300.00	16.74	351.87	5293.53	46.86	-89.56	68.45	6.00	5.91	4.49	
5358.74	20.24	353.30	5349.23	65.34	-91.94	86.91	6.00	5.95	2.44	
5400.00	20.24	353.30	5387.95	79.52	-93.60	101.03	0.00	0.00	0.00	
5441.77	20.24	353.30	5427.14	93.87	-95.29	115.33	0.00	0.00	0.00	EOC/Hold 20.80° INC
5500.00	20.24	353.30	5481.77	113.87	-97.64	135.27	0.00	0.00	0.00	
5600.00	20.24	353.30	5575.60	148.23	-101.68	169.50	0.00	0.00	0.00	
5700.00	20.24	353.30	5669.42	182.59	-105.71	203.73	0.00	0.00	0.00	
5800.00	20.24	353.30	5763.25	216.95	-109.75	237.97	0.00	0.00	0.00	
5900.00	20.24	353.30	5857.07	251.31	-113.79	272.20	0.00	0.00	0.00	
6000.00	20.24	353.30	5950.89	285.68	-117.82	306.44	0.00	0.00	0.00	
6100.00	20.24	353.30	6044.72	320.04	-121.86	340.67	0.00	0.00	0.00	
6200.00	20.24	353.30	6138.54	354.40	-125.90	374.91	0.00	0.00	0.00	
6300.00	20.24	353.30	6232.37	388.76	-129.93	409.14	0.00	0.00	0.00	
6400.00	20.24	353.30	6326.19	423.12	-133.97	443.38	0.00	0.00	0.00	
6500.00	20.24	353.30	6420.02	457.49	-138.00	477.61	0.00	0.00	0.00	
6600.00	20.24	353.30	6513.84	491.85	-142.04	511.85	0.00	0.00	0.00	
6700.00	20.24	353.30	6607.66	526.21	-146.08	546.09	0.00	0.00	0.00	
6798.42	20.24	353.30	6700.00	560.03	-150.05	579.78	0.00	0.00	0.00	PBHL/TD-Cooper "4" #3

**Targets**

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude →			← Longitude →				
								Deg	Min	Sec	Deg	Min	Sec		
PBHL/TD-Cooper "4" #3	-Plan hit target		6700.00	560.00	-150.00	583072.15	832195.10	32	35	54.021	N	103	15	16.853	W

**Annotation**

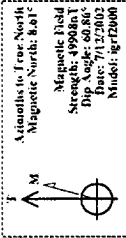
MD ft	TVD ft	
5000.00	4997.63	Tie-in to Gyro Survey/Build 5.0°/100
5441.77	5427.14	EOC/Hold 20.80° INC
6798.42	6700.00	PBHL/TD-Cooper "4" #3

# Matador Operating Company

Field: Kumon Area Drilling Program  
 Site: Cooper "4" #3  
 Well: Cooper "4" #3  
 Wellpath: Sidetrack #1  
 Plan: Plan #2

ANNOTATIONS

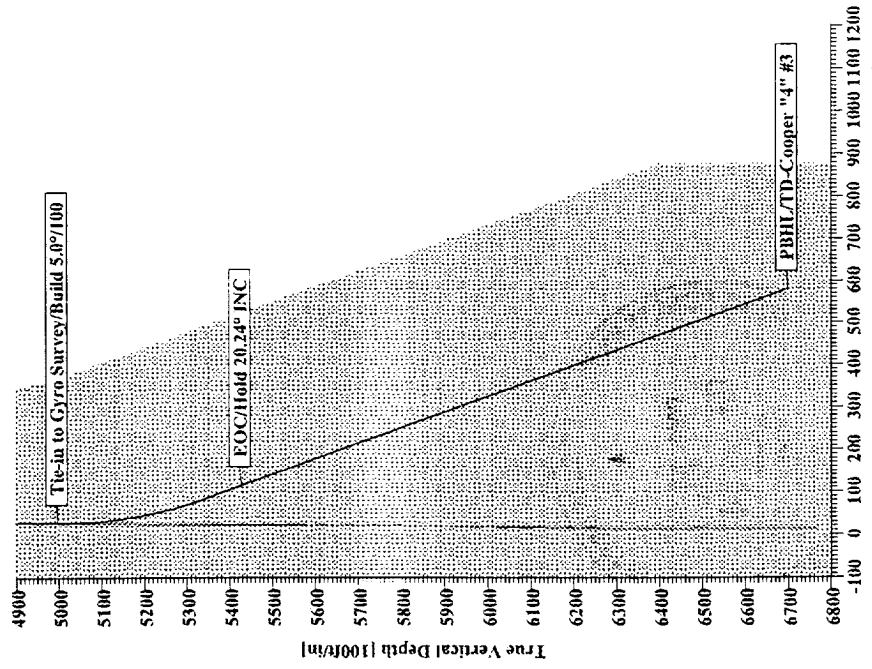
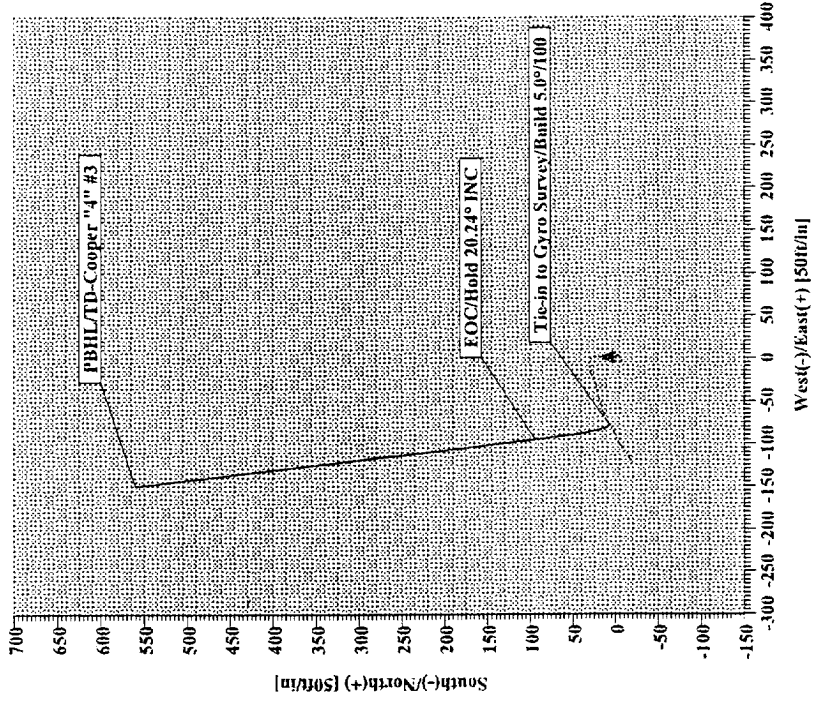
No.	TVD	MD	Annotation
1	4997.63	5006.00	Tie-In to Gyro Survey/Build 5.0°/100
2	5427.14	5441.77	EOC/Hold 20.24° INC
3	6706.00	6798.42	PBHL/TD-Cooper "4" #3



Adjustment to True North  
 Magnetic North: 84.1°  
 Magnetic Decl: \_\_\_\_\_  
 Strength: 4908nT  
 Dip Angle: 60.86°  
 Date: 7/12/2002  
 Model: igrd006

### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Ut-eg	TPer	VSee	Target
1	5006.00	7.72	218.12	4997.63	7.50	-77.28	0.00	0.00	27.24	
2	5441.77	20.24	183.36	5427.14	65.34	-91.94	6.00	12.27	86.91	
3	6798.42	20.24	353.30	6706.00	560.93	-150.65	0.00	3.60	579.78	



Vertical Section at 345.00° [100ft/in]



TARGET DETAILS				
Name	TVD	+N-S	+E-W	Shape
PBHL/TD-Cooper "4" #3	6700.00	560.00	-150.00	Point

RECORDERS	
Project: Kumon Area Drilling Program	Plan: Plan #2 (Cooper "4" #3 Sidetrack #1)
Lead Geophysicist: Ernie Finkenauer	Date: 7/12/2002
Checked: _____	Date: _____
Reviewed: _____	Date: _____
Approved: _____	Date: _____

COORDINATES	
Project: Kumon Area Drilling Program	Plan: Plan #2 (Cooper "4" #3 Sidetrack #1)
Coordinate System: NAD 83	Coordinate System: NAD 83
Projection: UTM	Projection: UTM
Magnetic Model: IGRF00	Magnetic Model: IGRF00
Scale: 1:10000	Scale: 1:10000
Units: Meters	Units: Meters