

DISTRICT I

1626 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 St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources DepartmentForm C-102
Revised October 12, 2005

Submit to Appropriate District Office

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OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-35636	Pool Code 28340	Pool Name Golden Lane (Delaware), South
Property Code 1780	Property Name GOLDEN "D" FEDERAL	Well Number #4
OGRID No. 001801	Operator Name BEPCO, L.P.	Elevation 3352'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	17	21 S	29 E		2310	SOUTH	330	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
I	17	21S	29E		2305.94	SOUTH	360.62'	EAST	EDDY
Dedicated Acres 40	Joint or Infill N	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 contained 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 pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <u>Gary E. Gerhard</u> Date: <u>4/19/07</u> Printed Name: <u>Gary E. Gerhard</u>
	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 Surveyed: <u>APRIL 02, 2007</u> Signature: <u>Gary L. Jones</u> Professional Surveyor W.O. <u>7977</u>
	Certificate No. Gary L. Jones 7977 BASIN SURVEYS

Bass Enterprises Production Co.

Eddy Co., New Mexico (Nad 83)

Golden 'D' Federal #4

Golden 'D' Federal #4

OH

Survey: Venom and MWD Surveys

Standard Survey Report

27 August, 2007



Black Viper Energy

Survey Report



Company: Bass Enterprises Production Co.
Project: Eddy Co., New Mexico (Nad 83)
Site: Golden 'D' Federal #4
Well: Golden 'D' Federal #4
Wellbore: OH
Design: OHa

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Site Golden 'D' Federal #4
WELL @ 3352.00ft (Original Well Elev)
WELL @ 3352.00ft (Original Well Elev)
True
Minimum Curvature
EDM 2003.14 Server Db

Project	Eddy Co., New Mexico (Nad 83)		
Map System:	US State Plane 1983	System Datum:	Ground Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Golden 'D' Federal #4		
Site Position:		Northing:	537,981.64 ft
From:	Lat/Long	Easting:	644,376.54 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	32° 28' 42.700 N
		Longitude:	103° 59' 57.100 W
		Grid Convergence:	0.18 °

Well	Golden 'D' Federal #4		
Well Position	+N/-S	0.00 ft	Northing: 537,981.64 ft
	+E/-W	0.00 ft	Easting: 644,376.54 ft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	32° 28' 42.700 N
		Longitude:	103° 59' 57.100 W
		Ground Level:	0.00 ft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF200510	8/8/2007	(°)
			8.25
		Dip Angle	(°)
		60.45	
		Field Strength	(nT)
		49,129	

Design	OHa		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.00	0.00	0.00
		Direction	(°)
		0.00	

Survey Program	Date 8/27/2007		
From	To	Survey (Wellbore)	Tool Name
(ft)	(ft)		
984.00	4,575.00	Venom and MWD Surveys (OH)	MWD
			Description
			MWD - Standard

Survey										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn	
Depth	(°)	(°)	Depth	(ft)	(ft)	Section	Rate	Rate	Rate	
(ft)			(ft)			(ft)	(°/100ft)	(°/100ft)	(°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
984.00	1.50	90.70	983.89	-0.16	12.88	-0.16	0.15	0.15	0.00	
VENOM Survey										
1,268.00	3.80	67.10	1,267.57	3.46	25.27	3.46	0.88	0.81	-8.31	
VENOM Survey										
1,395.00	4.30	80.50	1,394.26	5.88	33.84	5.88	0.84	0.39	10.55	
VENOM Survey										
1,479.00	4.50	76.50	1,478.01	7.17	40.15	7.17	0.44	0.24	-4.76	
First MWD Survey										
1,511.00	4.40	77.00	1,509.91	7.74	42.57	7.74	0.34	-0.31	1.56	
1,542.00	4.30	78.00	1,540.82	8.25	44.86	8.25	0.40	-0.32	3.23	
1,574.00	4.20	79.30	1,572.74	8.72	47.19	8.72	0.43	-0.31	4.06	
1,606.00	4.10	81.10	1,604.65	9.11	49.47	9.11	0.51	-0.31	5.63	

Black Viper Energy

Survey Report



Company: Bass Enterprises Production Co.
 Project: Eddy Co., New Mexico (Nad 83)
 Site: Golden 'D' Federal #4
 Well: Golden 'D' Federal #4
 Wellbore: OH
 Design: OHA

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:
 Database:

Site Golden 'D' Federal #4
 WELL @ 3352.00ft (Original Well Elev)
 WELL @ 3352.00ft (Original Well Elev)
 True
 Minimum Curvature
 EDM 2003.14 Server Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,638.00	3.60	82.50	1,636.58	9.42	51.59	9.42	1.59	-1.56	4.38
1,669.00	2.90	81.00	1,667.53	9.67	53.33	9.67	2.27	-2.26	-4.84
1,701.00	1.60	88.30	1,699.50	9.81	54.58	9.81	4.15	-4.06	22.81
1,733.00	0.40	97.20	1,731.50	9.81	55.14	9.81	3.77	-3.75	27.81
1,765.00	0.30	43.40	1,763.50	9.86	55.31	9.86	1.03	-0.31	-168.13
1,796.00	0.50	314.90	1,794.50	10.01	55.27	10.01	1.86	0.65	-285.48
1,828.00	1.20	283.80	1,826.49	10.19	54.84	10.19	2.54	2.19	-97.19
1,859.00	1.30	293.60	1,857.49	10.41	54.20	10.41	0.76	0.32	31.61
1,923.00	1.80	287.30	1,921.46	11.00	52.58	11.00	0.82	0.78	-9.84
1,987.00	2.00	274.20	1,985.43	11.38	50.51	11.38	0.74	0.31	-20.47
2,050.00	2.30	267.30	2,048.38	11.40	48.15	11.40	0.63	0.48	-10.95
2,114.00	1.90	274.40	2,112.34	11.42	45.81	11.42	0.74	-0.63	11.09
2,209.00	1.90	271.90	2,207.29	11.59	42.66	11.59	0.09	0.00	-2.63
2,272.00	2.80	273.40	2,270.24	11.72	40.08	11.72	1.43	1.43	2.38
2,336.00	4.10	272.10	2,334.12	11.89	36.23	11.89	2.03	2.03	-2.03
2,398.00	4.40	270.00	2,395.95	11.98	31.64	11.98	0.55	0.48	-3.39
2,462.00	4.70	265.60	2,459.75	11.77	26.57	11.77	0.72	0.47	-6.88
2,525.00	4.60	262.50	2,522.54	11.25	21.49	11.25	0.43	-0.16	-4.92
2,588.00	4.60	259.20	2,585.34	10.44	16.51	10.44	0.42	0.00	-5.24
2,652.00	5.00	266.40	2,649.11	9.79	11.20	9.79	1.13	0.63	11.25
2,716.00	4.80	269.90	2,712.88	9.61	5.74	9.61	0.56	-0.31	5.47
2,779.00	5.10	267.40	2,775.64	9.48	0.31	9.48	0.59	0.48	-3.97
2,843.00	3.80	269.10	2,839.45	9.31	-4.65	9.31	2.04	-2.03	2.66
2,906.00	2.70	265.60	2,902.35	9.17	-8.22	9.17	1.77	-1.75	-5.56
2,969.00	2.80	261.70	2,965.27	8.83	-11.22	8.83	0.34	0.16	-6.19
3,032.00	1.90	260.80	3,028.22	8.44	-13.78	8.44	1.43	-1.43	-1.43
3,096.00	1.90	255.60	3,092.19	8.01	-15.85	8.01	0.27	0.00	-8.13
3,160.00	1.10	254.30	3,156.16	7.58	-17.47	7.58	1.25	-1.25	-2.03
3,287.00	1.10	257.60	3,283.14	6.99	-19.83	6.99	0.05	0.00	2.60
3,415.00	1.00	242.20	3,411.12	6.20	-22.02	6.20	0.23	-0.08	-12.03
3,542.00	1.00	220.80	3,538.10	4.85	-23.73	4.85	0.29	0.00	-16.85
3,669.00	1.10	230.00	3,665.08	3.22	-25.38	3.22	0.15	0.08	7.24
3,796.00	1.00	219.60	3,792.06	1.59	-27.02	1.59	0.17	-0.08	-8.19
3,924.00	0.50	240.20	3,920.05	0.45	-28.22	0.45	0.44	-0.39	16.09
4,052.00	0.60	197.20	4,048.04	-0.47	-28.90	-0.47	0.32	0.08	-33.59
4,179.00	0.60	201.70	4,175.03	-1.72	-29.35	-1.72	0.04	0.00	3.54
4,305.00	0.60	202.40	4,301.03	-2.95	-29.84	-2.95	0.01	0.00	0.56
4,433.00	0.20	221.80	4,429.02	-3.73	-30.25	-3.73	0.33	-0.31	15.16
4,530.00	0.20	232.60	4,526.02	-3.96	-30.49	-3.96	0.04	0.00	11.13
Last MWD Survey									
4,575.00	0.20	232.60	4,571.02	-4.06	-30.62	-4.06	0.00	0.00	0.00
Proj. to Bit									

Black Viper Energy
Survey Report



Company: Bass Enterprises Production Co.
Project: Eddy Co., New Mexico (Nad 83)
Site: Golden 'D' Federal #4
Well: Golden 'D' Federal #4
Wellbore: OH
Design: OHa

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Site Golden 'D' Federal #4
WELL @ 3352.00ft (Original Well Elev)
WELL @ 3352.00ft (Original Well Elev)
True
Minimum Curvature
EDM 2003.14 Server Db

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		
		+N/-S (ft)	+E/-W (ft)	Comment
984.00	983.89	-0.16	12.88	VENOM Survey
1,268.00	1,267.57	3.46	25.27	VENOM Survey
1,395.00	1,394.26	5.88	33.84	VENOM Survey
1,479.00	1,478.01	7.17	40.15	First MWD Survey
4,530.00	4,526.02	-3.96	-30.49	Last MWD Survey
4,575.00	4,571.02	-4.06	-30.62	Proj. to Bit

Checked By: _____ Approved By: _____ Date: _____