

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other _____

2 Name of Operator
BEPCO, L.P.

3 Address
P.O. BOX 2760 MIDLAND TX 79702-2760

3.a Phone No. (Include area code)
(432)683-2277

4 Location of Well (Report location clearly and in accordance with Federal requirements)*

At Surface NESE, UL I, 2310' FSL, 330 FEL

At top prod interval reported below NESE, UL I, 2308.28' FSL, 359.35' FEL

At total depth NESE, UL I, 2305.94' FSL, 360.62 FNL

SEP - 5 2008

OCD-ARTESIA

CONFIDENTIAL

14 Date Spudded
07/31/2007

15 Date T.D. Reached
08/11/2007

16 Date Completed
☐ D & A ☒ Ready to Prod.
09/01/2007

18 Total Depth MD 4575'
TVD 4571'

19 Plug Back T.D.: MD 4490'
TVD 4486'

20 Depth Bridge Plug Set: MD
TVD

21 Type of Electric & Other Mechanical Logs Run (Submit copy of each)
THREE DETECTOR LD/CN/GR
ARRAY INDUCTION TOOL MICRO CFL/GR

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit copy)

23 Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	9-5/8" J55	36#	0'	767'		355sxs		0' CIRC.	
8-3/4"	4-1/2" J55	11.6#	0'	4575'	2916'	320 sxs		2916' CIRC.	
						925 sxs		0' CIRC.	

24 Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	4437"	4004' TAC						

25 Producing Intervals

26 Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) DELAWARE	4207'	4384'	4207'-4222'	0.380	23	PRODUCING
B)			4228'-4238'	0.380	21	PRODUCING
C)			4360'-4384'	0.380	36	PRODUCING
D)						

27 Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
4207' - 4384'	NO STIMULATION

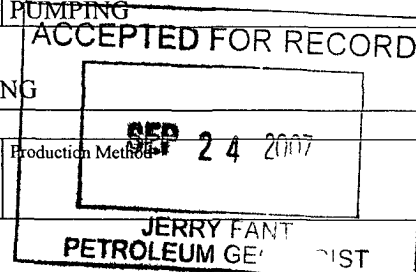
28 Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
09/01/07	09/09/07	24	→	30	32	8			PUMPING
Choice Size	Tbg Press Flwg SI	Csg Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
14/64"			→				1067	PRODUCING	

Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press Flwg SI	Csg Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on page 2)



28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28c Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

FIELD USE AND FLARED

30 Summary of Porous Zones (Include Aquifers):

Show all important zones or porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				T/RUSTLER ANHYDRITE	480'
				T/SALT	788'
				T/SALT & ANHYDRITE	1360'
				T/ANHYDRITE	1745'
				T/DELAWARE MT. GROUP	2922'
				T/OLD INDIAN DRAW	4014'
				T/49'R	4199'

32 Additional remarks (include plugging procedure)

33 Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geological Report
 ☐ DST Report
 ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) ANN MOORETitle PRODUCTION CLERK

Signature

Ann Moore

Date

09/18/2007

Title 18 U.S.C. Section 101 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States and false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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 Department

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

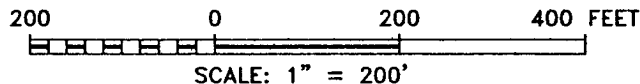
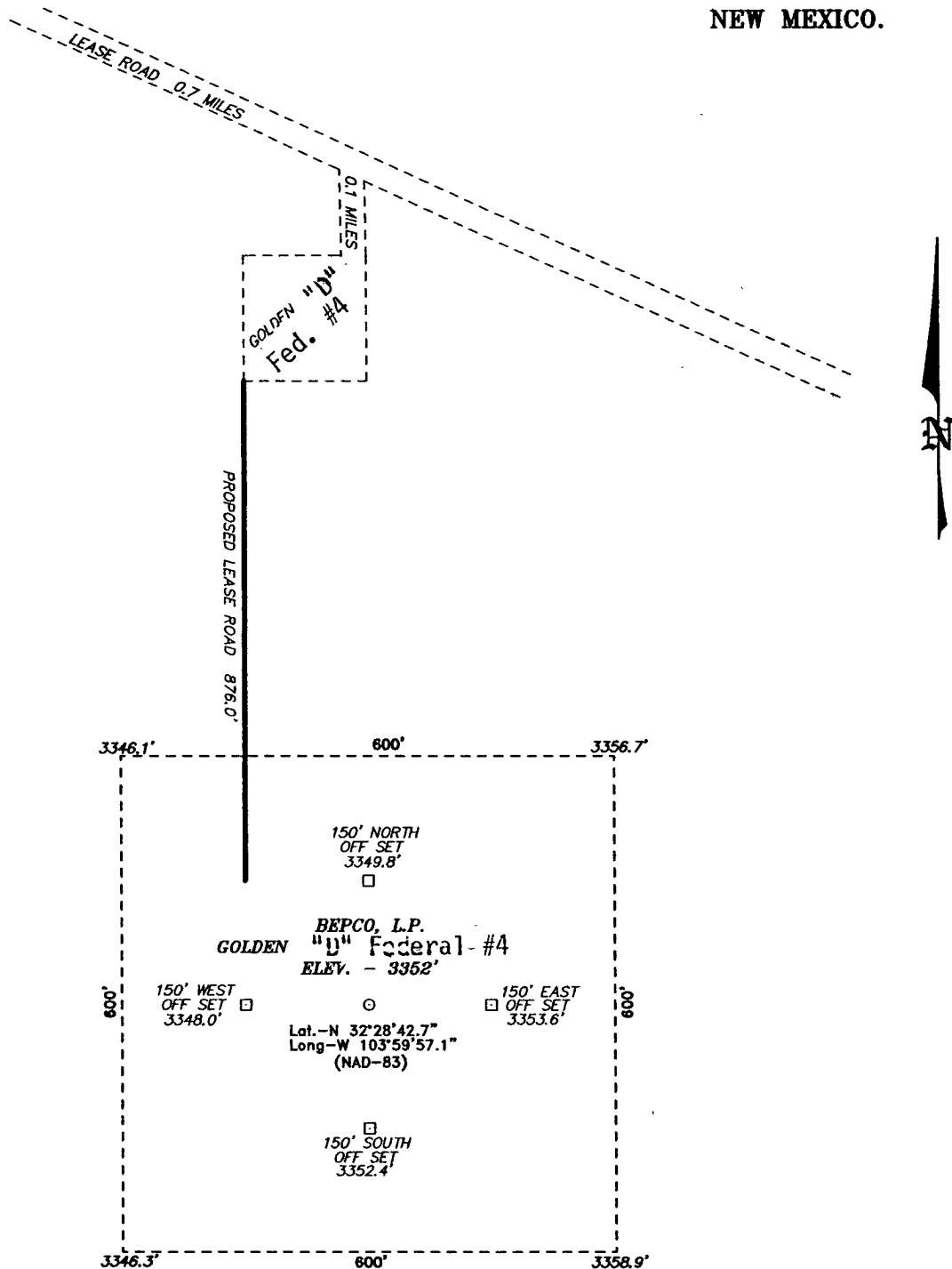
Bottom Hole Location If Different From Surface

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. <i>Gary E. Gerhard</i> 4/19/07 Signature Date Gary E. Gerhard 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. APR 19 2007 Date Surveyed Signature of Surveyor Professional Surveyor W.C. 1220	
	Certificate No. Gary L. Jones 7977	
	BASIN SURVEYS	

SECTION 17, TOWNSHIP 21 SOUTH, RANGE 29 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



DIRECTIONS TO LOCATION:

FROM MILE MARKER 51.7 ON U.S. HWY 62-180, TURN SOUTH ON LEASE ROAD AND FOLLOW FOR 3.1 MILES TO LEASE ROAD, TURN LEFT AND FOLLOW LEASE ROAD GOING SOUTHEAST FOR 0.7 MILES THENCE SOUTH 0.1MILES TO GOLDEN "D" Federal #4 AND PROPOSED LEASE ROAD.

BASIN SURVEYS P.O. BOX 1786-HOBBS, NEW MEXICO

W.O. Number: 17912

Drawn By: J. SMALL

Date: 04-03-2007

Disk: 17912W JMS

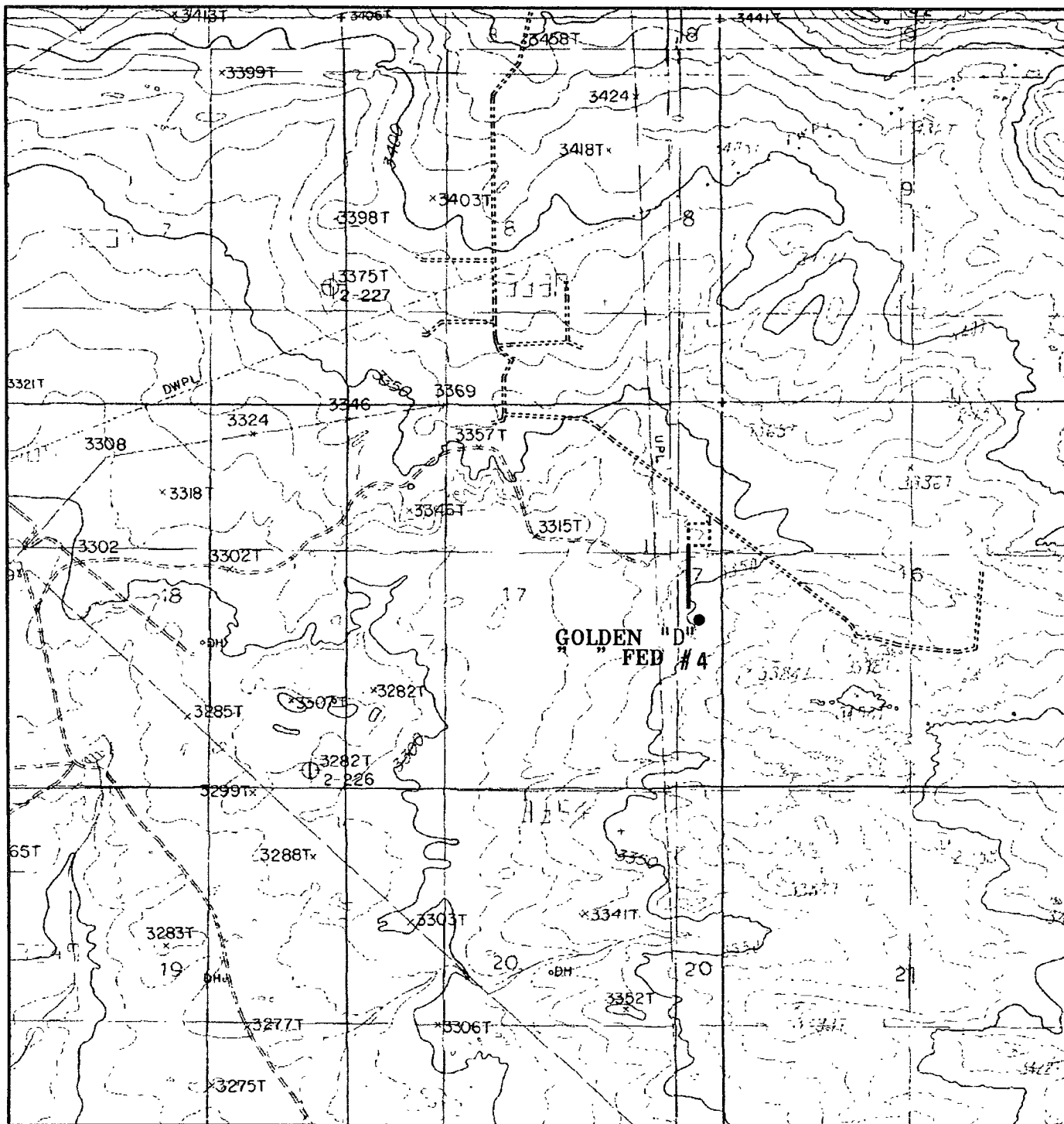
BEPCO, L.P.

REF: GOLDEN "D" Federal #4 / WELL PAD AND TOPO

THE GOLDEN "D" FEDERAL 4 LOCATED 2310'
FROM THE SOUTH LINE AND 330' FROM THE EAST LINE OF
SECTION 17, TOWNSHIP 21 SOUTH, RANGE 29 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

Survey Date: 04-02-2007

Sheet 1 of 1 Sheets



GOLDEN "D" FEDERAL # 4
 2310' FSL and 330' FEL
 Section 17, Township 21 South, Range 29 East,
 N.M.P.M., Eddy County, New Mexico.



P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (505) 393-7316 - Office
 (505) 392-3074 - Fax
basinsurveys.com

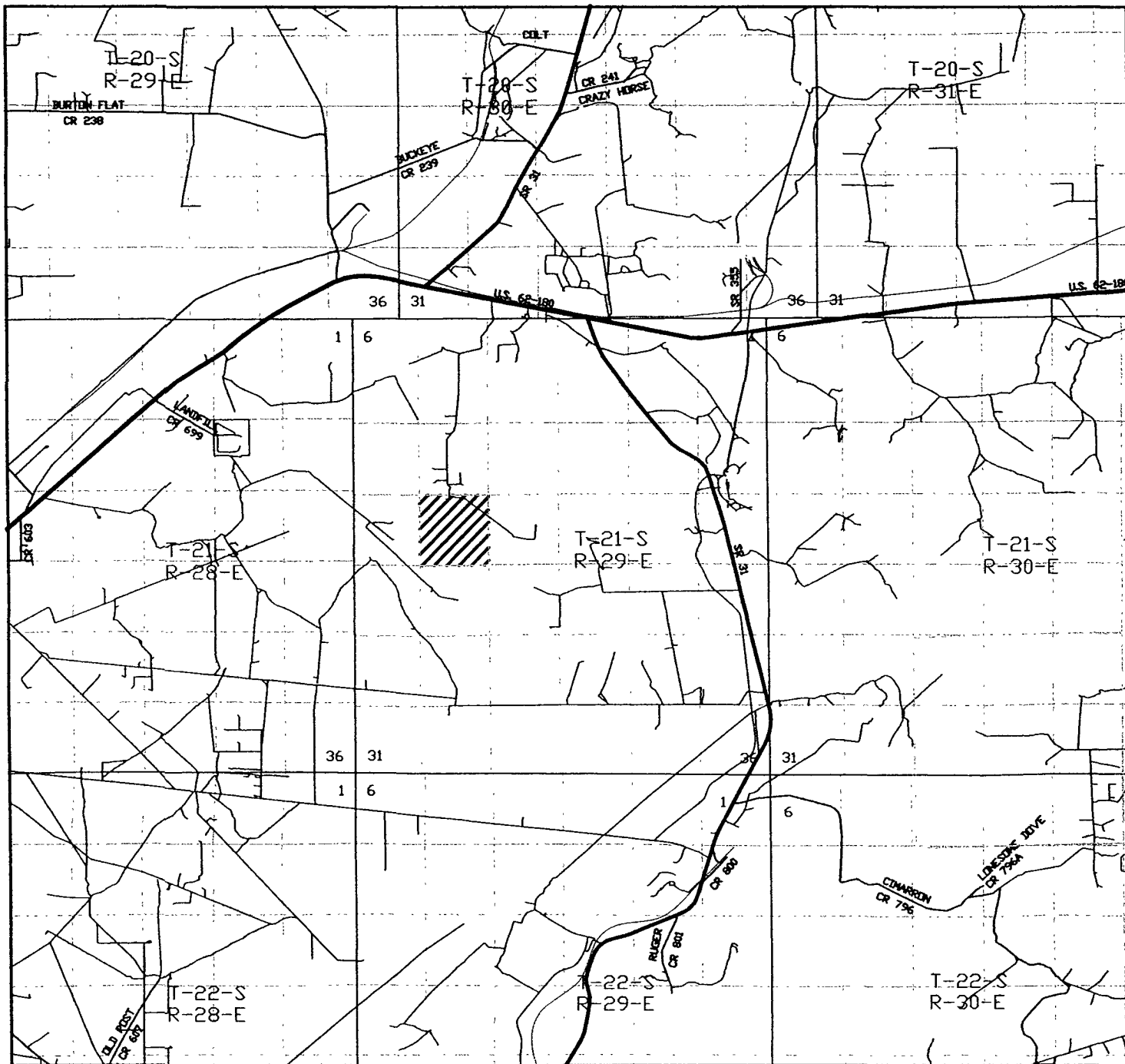
W.O. Number: JMS 17912T

Survey Date: 04-02-2007

Scale: 1" = 2000'

Date: 04-03-2007

BEPCO, L.P.



GOLDEN "D" FEDERAL #4
 2310' FSL and 330' FEL
 Section 17, Township 21 South, Range 29 East,
 N.M.P.M., Eddy County, New Mexico.

basin
surveys
 focused on excellence
 in the oilfield

P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (505) 393-7316 - Office
 (505) 392-3074 - Fax
basinsurveys.com

W.O. Number: JMS 17912TR

Survey Date: 04-02-2007

Scale: 1" = 2 MILES

Date: 04-03-2007

BEPCO, L.P.

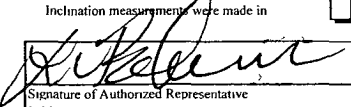
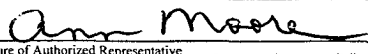
INCLINATION REPORT

1 FIELD NAME Golden Lane, S. (Dela)	2 LEASE NAME Golden D Fed. #4
3 OPERATOR BEPCO, L.P.	
4 ADDRESS P O Box 2760, Midland, Tx 79702	
5 LOCATION (Section, Block, and Survey) Sec 17, T-21-S, R-29-E, Eddy, N.M.	

RECORD OF INCLINATION

11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle x 100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
380	380	2 00	349	13.26	13 26
767	387	0 75	1 31	5 06	18 32
984	217	1 50	2 62	5 68	24 00
1268	284	3 75	6 54	18 57	42 57
1395	127	4 25	7 41	9 41	51 98
1479	84	4 50	7 85	6 59	58 57
1511	32	4 25	7 41	2 37	60 94
1542	31	4 25	7 41	2 29	63 23
1574	32	4 25	7 41	2 37	65 60
1606	32	4 00	6 98	2 23	67 83
1638	32	3 50	6 10	1 95	69 78
1669	31	3 00	5 23	1 62	71 40
1701	32	1 50	2 62	0 83	72 23
1733	32	0 50	87	0 27	72 50
1765	32	0 25	44	0 14	72 64
1796	31	0 50	87	0 26	72 90
1828	32	1 25	2 18	0 69	73 59
1859	31	1 25	2 18	0 67	74 26
1923	64	1 75	3 05	1 95	76 21
1987	64	2 00	3 49	2 23	78 44
2050	63	2 25	3 93	2 47	80 91
2114	64	2 00	3 49	2 23	83 14
2209	95	1 75	3 05	2 89	86 03
2272	63	2 75	4 80	3 02	89 05
2336	64	4 00	6 98	4 46	93 51
2398	62	4 00	6 98	4 32	97 83
2462	64	4 75	8 28	5 29	103 12
2525	63	4 50	7 85	4 94	108 06
2588	63	4 50	7 85	4 94	113 00
2652	64	5 00	8 72	5 58	118 58
2716	64	4 75	8 28	5 29	123 87
2779	63	5 00	8 72	5 49	129 36
2843	64	3 75	6 54	4 18	133 54
2906	63	2 75	4 80	3 02	136 56
2969	63	2 75	4 80	3 02	139 58
3032	63	2 00	3 49	2 19	141 77
3096	64	2 00	3 49	2 23	144 00
3160	64	1 00	1 75	1 12	145 12
3287	127	1 00	1 75	2 22	147 34
3415	128	1 00	1 75	2 24	149 58
3542	127	1 00	1 75	2 22	151 80
3669	127	1 00	1 75	2 22	154 02
3796	127	1 00	1 75	2 22	156 24
3924	128	0 50	0 87	1 11	157 35
4052	128	0 50	0 87	1 11	158 46
4179	127	0 50	0 87	1 10	159 56
4305	126	0 50	0 87	1 09	160 65
4433	128	0 25	0 44	0 56	161 21
4530	97	0 25	0 44	0 42	161 63
4575	45	0 25	0 44	0 19	161 82

Accumulative total displacement of well bore at total depth of **4575'** ☐ Tubing ☐ Casing ☒ Open Hole **161.82' feet.**

 Signature of Authorized Representative L.V. Bohannon Name of Person and Title (type or print) Adobe Drilling Name of Company Telephone 432-552-5553 Area Code	 Signature of Authorized Representative Ann Moore Name of Person and Title (type or print) BEPCO, L. P. Name of Company Telephone (432) 683-2277 Area Code
---	--

Certified By Rhonda Fuller Date 8-5-07



C.Am

Phone: 432.561.8801

Fax: 432.561.8870

P. O. Box 2552

Midland, Texas 79702

Well Completion Report

Bass Enterprises

Golden D Fed #4
Adobe Longhorn
Eddy County, New Mexico
Job # 2007097

Tuesday, September 04, 2007

1	MWD Survey
2	Daily Drilling Reports
3	Slide Sheets
4	Motor Run Reports
5	Bottom Hole Assemblies



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:
	+E/-W	0.00 ft	Easting:
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	(°)
			Dip Angle
			(°)
			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

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)
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		Comment
		+N/-S (ft)	+E/-W (ft)	
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: _____

Daily Drilling Report



Daily Drilling Report

Report Date:	4-Aug-07	Job #	2007097	Ftg. Last 24 Hrs	306
Company	BASS	Report #	2	Last Csg. Set	9 5/8" @ 767
Rig	Adobe Longhorn	Midn't Depth	1980	Total Job PDM Hrs	20.25
Well	Golden 'D' Federal #4				
Bit #	1				
BHA #	1	Size	8 3/4	BHA #	1
PDM Serial#	67575	Make	REED	Item	Length
Drl hrs	20	Type	DSX616M	BIT	1.5
Cir hrs.	0.25	Depth In	1510	MOTOR	26.98
Cum. Drl. Hrs	20	Depth Out	N/A	FS	2.62
Cum. Cir. Hrs	0.25	Total Footage		UBHO	2.63
Bent Sub	N/A	Hours	20	SLICK	30.89
Bent Hous	2.12	ROP		SLICK	30.89
Depth In	1510	Nozzles (TFA)	6X16	24 6 1/2" D.C.	729.55
Depth Out	N/A	T/B/G			
WOB Rotating	14K	Mud Type	BRINE		
Pad/Stab OD	1/4"	Weight	10.1		
GPM	448	Viscosity	29		
PSI off BTM	1250	PV/YP	1 1		
PSI on BTM	1350	PH	9.5	TOTAL =	825.06
Hook Load	92	Water Loss	N/A	BHA Run: Daily	
P/U Weight	94	Solid Content	12.80%	Rotate	Slide
S/O Weight	88	Sand Content		377	93
MWD Temp.		Chlorides	181 PPM	14.25	5.75
				0.25	20.25

Time Log			Operation details and comments	Rot.	Slide	Motor Inventory	
From	To	Hours		Ftg.	Ftg.	Clean	Dirty
0000	100	1.00	T.I.H. - L/D 1 jt				
100	115	0.25	P/U KELLY & BREAK CIRC.			Comments:	
115	200	0.75	SLIDE/1510-1522 GPM=448 WOB=5 MTF=270		12		
200	245	0.75	ROT/1522-1530 GPM=448 WOB=5 RPM=40	8			
245	300	0.25	C & S @ 1479 INC=4.5 AZM=76.5				
300	445	1.75	ROT/1530-1562 GPM=448 WOB=5 RPM=40	32		Directional Charges	
445	500	0.25	C & S @ 1511 INC=4.4 AZM=77.0			Operating Package	\$8,000
500	530	0.50	SLIDE/1562-1570 GPM=448 WOB=5 MTF=260		8	Mileage	
530	700	1.50	ROT/1570-1593 GPM=448 WOB=5 RPM=40	23		Motor LIH Coverage	\$350
700	715	0.25	C & S @ 1542 INC=4.3 AZM=78.0			MWD LIH Coverage	\$450
715	800	0.75	ROT/1593-1625 GPM=448 WOB=5 RPM=40	32		Accomadations	\$75
800	815	0.25	C & S @ 1574 INC=4.2 AZM=79.3			Float Valve	
815	845	0.50	SLIDE/1625-1640 GPM=448 WOB=5 MTF=260		15	Motor Inspection	
845	915	0.50	ROT/1640-1657 GPM=448 WOB=5 RPM=40	17		XP Motor	\$750
915	930	0.25	C & S @ 1606 INC=4.1 AZM=81.1				
930	1000	0.50	SLIDE/1657-1667 GPM=448 WOB=5 MTF=260		10		
1000	1030	0.50	ROT/1667-1689 GPM=448 WOB=5 RPM=40	22		Daily Total	\$9,625
1030	1045	0.25	C & S @ 1638 INC=3.6 AZM=82.5			Cum Total	\$21,900
1045	1100	0.25	SLIDE/1689-1704 GPM=448 WOB=5 MTF=260		15	Black Viper Energy Representatives	
1100	1115	0.25	ROT/1704-1720 GPM=448 WOB=5 RPM=40	16		Directional Driller's :	Jessie Taylor
1115	1130	0.25	C & S @ 1669 INC=2.9 AZM=81.0			Mwd Engineers:	Dan Vasquez
1130	1200	0.50	SLIDE/1720-1730 GPM=448 WOB=5 MTF=260		10		
1200	1230	0.50	ROT/1730-1752 GPM=448 WOB=5 RPM=40	22			
1230	1245	0.25	C & S @ 1701 INC=1.6 AZM=88.3			Operator Representatives	
1245	1330	0.75	ROT/1752-1784 GPM=448 WOB=5 RPM=40	32		Orlando Lozano	
1330	1345	0.25	C & S @ 1733 INC=0.4 AZM=97.2				
1345	1415	0.50	SLIDE/1784-1790 GPM=448 WOB=5 MTF=260		6		
1415	1515	1.00	ROT/1790-1816 GPM=448 WOB=5 RPM=40	26			
Total Hours=		15.25		230	76		



Saturday, August 04, 2007

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Daily Drilling Report

Report Date:	5-Aug-07	Job #	2007097	Ftg. Last 24 Hrs	700
Company	BASS	Report #	3	Last Csg. Set	9 5/8" @ 767
Rig	Adobe Longhorn	Midn't Depth	2680	Total Job PDM Hrs	41.75
Well	Golden 'D' Federal #4				

BHA #	1	Size	8 3/4	BHA#	1	BHA#	
PDM Serial#	67575	Make	REED	Item	Length	Item	Length
Drl hrs	21.5	Type	DSX616M	BIT	1.5		
Cir hrs		Depth In	1510	MOTOR	26.98		
Cum. Drl. Hrs	41.5	Depth Out	N/A	FS	2.62		
Cum. Cir. Hrs	0.25	Total Footage		UBHO	2.63		
Bent Sub	N/A	Hours	41.5	SLICK	30.89		
Bent Hous	2.12	ROP		SLICK	30.89		
Depth In	1510	Nozzles (TFA)	6X16	24 6 1/2" D.C.	729.55		
Depth Out	N/A	T/B/G					
WOB Rotating	20K	Mud Type	BRINE				
Pad/Stab OD	1/4"	Weight	10.1				
GPM	448	Viscosity	29				
PSI off BITTM	1250	PV/YP	1 1				
PSI on BITTM	1350	PH	9.5	TOTAL =	825.06	TOTAL =	
Hook Load	95	Water Loss	N/A	BHA Run Tally			
P/U Weight	100	Solid Content	12.80%	Rotate	Slide	Circulate	Total
S/O Weight	90	Sand Content		1053	117		1170
MWD Temp.		Chlorides	181 PPM	34	7.5	0.25	41.75

Time Log			Operation details and comments	Rot.	Slide	Motor Inventory	
From	To	Hours				Clean	
0000	230	2.50	ROT/1980-2038 GPM=448 WOB=10 RPM=40	58		Dirty	
230	245	0.25	C & S @ 1987 INC=2.0 AZM=274.2			Comments:	
245	445	2.00	ROT/2038-2101 GPM=448 WOB=14 RPM=40	63			
445	500	0.25	C & S @ 2050 INC=2.3 AZM=267.3				
500	700	2.00	ROT/2101-2165 GPM=448 WOB=14 RPM=40	64			
700	715	0.25	C & S @ 2114 INC=1.9 AZM=274.4			Directional Charges	
715	945	2.50	ROT/2165-2260 GPM=448 WOB=14 RPM=40	95		Operating Package	\$8,000
945	1000	0.25	C & S @ 2209 INC=1.9 AZM=271.9			Mileage	
1000	1030	0.50	SLIDE/2260-2268 GPM=448 WOB=14 MTF=270		8	Motor LIH Coverage	\$350
1030	1215	1.75	ROT/2268-2323 GPM=448 WOB=14 RPM=40	55		MWD LIH Coverage	\$450
1215	1230	0.25	C & S @ 2272 INC=2.8 AZM=273.4			Accommodations	\$75
1230	1300	0.50	SLIDE/2323-2333 GPM=448 WOB=14 MTF=270		10	Float Valve	
1300	1430	1.50	ROT/2333-2387 GPM=448 WOB=14 RPM=40	54		Motor Inspection	
1430	1445	0.25	C & S @ 2336 INC=4.1 AZM=272.1			XP Motor	\$750
1445	1630	1.75	ROT/2387-2449 GPM=448 WOB=14 RPM=40	62			
1630	1645	0.25	C & S @ 2398 INC=4.4 AZM=270.0				
1645	1815	1.50	ROT/2449-2513 GPM=448 WOB=14 RPM=40	64		Daily Total	\$9,625
1815	1830	0.25	C & S @ 2462 INC=4.7 AZM=265.6			Cum Total	\$31,525
1830	2015	1.75	ROT/2513-2576 GPM=448 WOB=14 RPM=60	63		Black Viper Energy Representatives	
2015	2030	0.25	C & S @ 2525 INC=4.6 AZM=262.5			Directional Driller's :	Jessie Taylor
2030	2145	1.25	ROT/2576-2639 GPM=448 WOB=14 RPM=60	63		Mwd Engineers:	Dan Vasquez
2145	2200	0.25	C & S @ 2588 INC=4.6 AZM=259.2				
2200	2245	0.75	SLIDE/2639-2645 GPM=448 WOB=14 MTF=350		6		
2245	2400	1.25	ROT/2645-2680 GPM=448 WOB=20 RPM=60	35		Operator Representatives	
2400						Orlando Lozano	
Total Hours=		24.00		676	24		



Daily Drilling Report

Report Date:		6-Aug-07			
Company		BASS		Job #	
		2007097		Ftg. Last 24 Hrs	
Rig		Adobe Longhorn		Report #	
		4		Last Csg. Set	
Well		Golden 'D' Federal #4		Total Job PDM Hrs	
		Mida't Depth		3211	
				531	
				9 5/8" @ 767	
				60.5	

		Bit #		1					
BHA #	1	Size	8 3/4	BHA#	1	BHA#		Item	Length
PDM Serial#	67575	Make	REED	Item	Length	Item	Length		
Drl hrs	18.25	Type	DSX616M	BIT	1.5				
Cir hrs.	0.5	Depth In	1510	MOTOR	26.98				
Cum. Drl. Hrs	59.75	Depth Out	N/A	FS	2.62				
Cum. Cir. Hrs	0.75	Total Footage		UBHO	2.63				
Bent Sub	N/A	Hours	59.75	SLICK	30.89				
Bent Hous	2.12	ROP		SLICK	30.89				
Depth In	1510	Nozzles (TFA)	6X16	24 6 1/2" D.C.	729.55				
Depth Out	N/A	T/B/G							
WOB Rotating	20K	Mud Type	BRINE						
Pad/Stab OD	1/4"	Weight	9.5						
GPM	448	Viscosity	39						
PSI off BTM	1350	PV/YP	1 1						
PSI on BTM	1500	PH	9.5	TOTAL =	825.06	TOTAL =			
Hook Load	108	Water Loss	N/A	BHA Run Tally					
P/U Weight	112	Solid Content	1.20%	Rotate	Slide	Circulate	Total		
S/O Weight	95	Sand Content		1557	144		1701		
MWD Temp.		Chlorides	156 PPM	49.5	10.25	0.75	60.5		

Time Log			Operation details and comments		Rot	Slide	Motor Inventory		
From	To	Hours			Ftg.	Ftg.	Clean		
0000	100	1.00	ROT/2680-2703 GPM=448 WOB=20 RPM=60		23		Dirty		
100	115	0.25	C & S @ 2652 INC=5.0 AZM=266.4				Comments:		
115	330	2.25	ROT/2703-2767 GPM=448 WOB=20 RPM=60		64				
330	345	0.25	C & S @ 2716 INC=4.8 AZM=269.9						
345	545	2.00	ROT/2767-2830 GPM=448 WOB=20 RPM=60		63				
545	600	0.25	C & S @ 2779 INC=5.1 AZM=267.4				Directional Charges		
600	700	1.00	SLIDE/2830-2840 GPM=448 WOB=18 MTF=90			10	Operating Package	\$8,000	
700	830	1.50	ROT/2840-2894 GPM=448 WOB=20 RPM=60		54		Mileage		
830	845	0.25	C & S @ 2843 INC=3.8 AZM=269.1				Motor LIH Coverage	\$350	
845	930	0.75	SLIDE/2894-2900 GPM=448 WOB=18 MTF=90			6	MWD LIH Coverage	\$450	
930	1145	2.25	ROT/2900-2957 GPM=448 WOB=20 RPM=60		57		Accommodations	\$75	
1145	1200	0.25	C & S @ 2906 INC=2.7 AZM=265.6				Float Valve		
1200	1415	2.25	ROT/2957-3020 GPM=448 WOB=20 RPM=60		63		Motor Inspection		
1415	1430	0.25	C & S @ 2969 INC=2.8 AZM=261.7				XP Motor	\$750	
1430	1515	0.75	SLIDE/3020-3026 GPM=448 WOB=18 MTF=80			6			
1515	1600	0.75	ROT/3026-3052 GPM=448 WOB=20 RPM=60		26				
1600	1630	0.50	CIRC.				Daily Total	\$9,625	
1630	1700	0.50	P.O.O.H. - 4 STDS				Cum Total	\$41,150	
1700	1900	2.00	JET PITS & DISPLACE MUD				Black Viper Energy Representatives		
1900	1915	0.25	T.I.H				Directional Driller's :	Jessie Taylor	
1915	1930	0.25	P/U KELLY & BREAK CIRC.				Mwd Engineers:	Dan Vasquez	
1930	2030	1.00	ROT/3052-3083 GPM=448 WOB=25 RPM=60		31				
2030	2045	0.25	C & S @ 3032 INC=1.9 AZM=260.8						
2045	2145	1.00	ROT/3083-3147 GPM=448 WOB=25 RPM=60		64		Operator Representatives		
2145	2200	0.25	C & S @ 3096 INC=1.9 AZM=255.6				Orlando Lozano		
2200	2215	0.25	SLIDE/3147-3152 GPM=448 WOB=18 MTF=75			5			
2215	2345	1.50	ROT/3152-3211 GPM=448 WOB=25 RPM=60		59				
2345	2400	0.25	C & S @ 3160 INC=1.1 AZM=254.3						
Total Hours=		24.00			504	27			



Daily Drilling Report

Daily Drilling Report

Slide Data Sheet

Company: **BASS**

Date: **thru**

Well Name: Golden 'D' Federal #4

Bit to Survey: _____ **Ft.**

Co. Rep. : Orlando Lozano

Page: 1 of

[illegible]

Sliding Data : Footage= Hrs= Ft/Hr=

Rotating Data: Footage= _____ Hrs= _____ Ft/Hr= _____

Black Viper Directional Sup.: _____



1

Motor Run Report

Job Number	2007097
PDM Company	BLACK MAX
Motor O.D.	6 1/2"
Power Section	6/7;5 STAGE
Serial Number	67575
Customer	BASS
Well Name	Golden 'D' Federal #4
Rig Name	Adobe Longhorn
County / State	Eddy
Location	a
Date In	3-Aug
Date Out	8-Aug
Total Days Run	5
Hole Size	8 3/4"
Stabilizer Size	a
Adj. Bend Set	2.12
Depth In	1510
Depth Out	4130
Footage Drilled	2620
ROP	27.58
Drill Hours	95.00
Circulating Hours	1.75
Total Run Hours	96.75
Rotating Feet	2475
Rotating Hours	84.75
Rotating ROP	29.20
Slide Feet	145
Slide Hours	10.25
Slide ROP	14.15

BHA # : 1

Motor Run # : 1

Failure - Y/N : y
Trip-Reason For : bit

Failure Type: a

GPM	: 448
Mud Wt.	: 9.1
Mud Vis.	: 40
Mud Cl.	: 156K
Mud Type	: MULCIFIED BRINE

Delta P	: 150
Inclination	: 0.6
WOB	: 25
BHT	: a
RPM	: 55

Directional Hand #1: JESSIE TAYLOR

MWD Hand #1: DAN VASQUEZ

Directional Hand #2: a

MWD Hand #2: a

Comments: a

Bit Grade: 1/N/1/16



Motor Run Report

Job Number 2007097
PDM Company BLACK MAX
Motor O.D. 6 1/2"
Power Section 7/8 3 STAGE
Serial Number 650787
Customer BASS
Well Name Golden 'D' Federal #4
Rig Name Adobe Longhorn
County / State Eddy
Location a
Date In 8-Aug
Date Out 9-Aug
Total Days Run 1
Hole Size 8 3/4"
Stabilizer Size a
Adj. Bend Set 1.83
Depth In 4130
Depth Out 4575
Footage Drilled 445
ROP 49.44
Drill Hours 9.00
Circulating Hours 1.75
Total Run Hours 10.75
Rotating Feet 445
Rotating Hours 9.00
Rotating ROP 49.44
Slide Feet
Slide Hours
Slide ROP #DIV/0!

BHA # : 2

Motor Run # : 2

Failure - Y/N : y
Trip-Reason For : bit

Failure Type: a

GPM : 448
Mud Wt. : 9.1
Mud Vis. : 40
Mud Cl. : 156K
Mud Type : MULCIFIED BRINE

Delta P : 100
Inclination : 0.2
WOB : 40
BHT : a
RPM : 65

Directional Hand #1: JESSIE TAYLOR

MWD Hand #1: DAN VASQUEZ

Directional Hand #2: a

MWD Hand #2: a

Comments: a

Bit Grade: 1/1/G



BHA Data Sheet

Job #	2007097	BHA #:	1	Hole Size :	8 3/4"	Motor Run#:	1
Customer:	BASS	Date In:	8/3/2007	Date Out:	8/8/2007	Motor OD:	6 1/2"
Well:	Golden 'D' Federal #4	Depth In:	1510	Depth Out:	4130	Total Ftg.:	2620.00
Well Loc.:	Golden Lane-Delav	Slide.Hrs.:	10.25	Slide Ftg.:	145	Slide.ROP:	14.15
Co./St.:	Eddy	Rot.Hrs.:	84.75	Rot.Ftg.:	2475	Rot.ROP:	29.20
Rig :	Adobe Longhorn	Drig Hrs.:	95	Slide WOB:	20	Avg.ROP:	27.58
DD:	Jessie Taylor	Circ.Hrs.:	1.75	Rot. WOB:	25	Steering%:	5.53%
DD:		D&C Hrs:	96.75	Avg. Tq.:	1000	Rotate%:	94.47%
MWD:	Dan Vasquez	Rot/Stat.:	6/7;5stg	Avg. RPM :	55	GPM:	448
MWD:		ABH Set:	2.12	Incl. In:	4.3	SPP On:	1350
Mud :		Mud PV:		Mud YP:		Incl.Out:	0.6
Mud Wt.:		Chloride:		BHT F.:		SPP Off:	1500
Mud Vis.:		Sand % :		Solid %:		Azimuth In :	80.5
						Azimuth Out :	197.2
						Avg.DLS:	0.5

Item	Description	Vendor	S/N	F/N	Stab. OD	OD	ID	Connection	Length	Cum.
1	Bit	REED	117765			8 3/4		4.5 REG	1.50	1.50
2	Mud Motor	BLACK MAX	67575	2.49		6 1/2		4.5 REG 4.5 XH	26.98	28.48
3	FLOAT SUB	BVES	650037			6 1/2	2 15/16	4.5 XH PxB	2.62	31.10
4	UBHO	BVES	650021			6 1/2	2 13/16	4.5 XH PxB	2.63	33.73
5	SLICK MONEL	SD	SD41966			6 1/4	2 15/16	4.5 XH PxB	30.89	64.62
6	SLICK MONEL	SD	SD41439			6 1/4	2 15/16	4.5 XH PxB	30.89	95.51
7	24 6 1/2" D.C.'S	RIG				6 1/2	2 15/16	4.5 XH PxB	729.55	825.06

Total BHA Length = 825.06

BHA Weights : Wt in Air = 74443 lb Wt in Mud = 74443 lb

BHA Exp. Behavior

BHA Act. Behavior

Comments / Reason for Trip

Accumulative PDM Hrs.

Failure? Y or N

Failure Type

Bit Grade

Inner/Outer/Dull Char./Location/Bmg/Gage/Other/Reason Pulled

1/N/1/16



BHA Data Sheet

Job #	2007097	BHA #:	2	Hole Size :	8 3/4"	Motor Run#	2
Customer:	BASS	Date In:	8/8/2007	Date Out:	8/9/2007	Motor OD:	6 1/2"
Well:	Golden 'D' Federal #4	Depth In:	4130	Depth Out:	4575	Total Ftg.:	445.00
Well Loc.:	Golden Lane-Delav	Slide.Hrs.:		Slide Ftg.:		Slide.ROP:	#DIV/0!
Co./St.:	Eddy	Rot.Hrs.:	9	Rot.Ftg.:	445	Rot.ROP:	49.44
Rig :	Adobe Longhorn	Drig Hrs.:	9	Slide WOB:		Avg.ROP:	49.44
DD:	Jessie Taylor	Circ.Hrs.:	1.75	Rot. WOB:	40K	Steering%:	
DD:		D&C Hrs:	10.75	Avg. Tq.:	1000	Rotate%:	100.00%
MWD:	Dan Vasquez	Rot/Stat.:	7/8; 3STG	Avg. RPM :	65	GPM:	448
MWD:		ABH Set:	1.83	Incl. In:	0.6	SPP On:	1500
Mud :		Mud PV:		Incl.Out:	0.2	SPP Off:	1400
Mud Wt.:		Chloride:		BHT F.:		Azimuth In :	197.2
Mud Vis.:		Sand % :		Solid %:		Azimuth Out :	232.6
						Avg.DLS:	0.2

Item	Description	Vendor	S/N	F/N	Stab. OD	OD	ID	Connection	Length	Cum.
1	Bit	REED	M4257			8 3/4		4.5 REG	1.50	1.50
2	Mud Motor	BLACK MAX	650787	2.29		6 1/5		4.5 REG 4.5 XH	21.01	22.51
3	FLOAT SUB	BVES	650037			6 1/2	2 15/16	4.5 XH PxB	2.62	25.13
4	UBHO	BVES	650021			6 1/2	2 13/16	4.5 XH PxB	2.63	27.76
5	SLICK MONEL	SD	SD41966			6 1/4	2 15/16	4.5 XH PxB	30.89	58.65
6	SLICK MONEL	SD	SD41439			6 1/4	2 15/16	4.5 XH PxB	30.89	89.54
7	24 6 1/2" D.C.'S	RIG				6 1/2	2 15/16	4.5 XH PxB	729.55	819.09

Total BHA Length = 819.09

BHA Weights : Wt in Air = 73546 lb Wt in Mud = 73546 lb

BHA Exp. Behavior

BHA Act. Behavior

Comments / Reason for Trip

Accumulative PDM Hrs.

Failure? Y or N

Failure Type

Bit Grade

Inner/Outer/Dull Char./Location/Bmg/Gage/Other/Reason Pulled

1/1/G