

Submit To Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies <u>District I</u> 1625 N French Dr, Hobbs, NM 88240 <u>District II</u> 1301 W Grand Avenue, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd, Aztec, NM 87410 <u>District IV</u> 1220 S St Francis Dr, Santa Fe, NM 87505	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-105 Revised June 10, 2003
		WELL API NO. 30-015-36200
		5. Indicate Type of Lease STATE ☒ FEE ☐
		State Oil & Gas Lease No. 49107
WELL COMPLETION OR RECOMPLETION REPORT AND LOG		
1a Type of Well OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐		7 Lease Name or Unit Agreement Name HORNED TOAD 36 STATE
b Type of Completion NEW ☒ WORK ☐ DEEPEN ☐ PLUG ☐ DIFF. ☐ WELL OVER BACK RESVR ☐ OTHER ☐		
2 Name of Operator BEPCO, L.P.		8 Well No. 3H
3 Address of Operator P.O. BOX 2760 MIDLAND, TX 79702-2760		9 Pool name or Wildcat NASH DRAW (DELAWARE/ BS/ AVALON SD
4 Well Location Unit Letter G 1881' Feet From The NORTH Line and 2225 Feet From The EAST Line Section 36 Township 24S Range 29E NMPM EDDY County		
10 Date Spudded 04/19/2008	11. Date T D. Reached 05/31/2008	12. Date Compl (Ready to Prod.) 07/15/2008
13. Elevations (DF& RKB, RT, GR, etc.) 3113' GL		14 Elev. Casinghead
15 Total Depth 8150' MD	16 Plug Back T D 8060' MD OH	17. If Multiple Compl How Many Zones? NO
18. Intervals Drilled By		Rotary Tools X
19. Producing Interval(s), of this completion - Top, Bottom, Name DELAWARE 5600-8150		20 Was Directional Survey Made YES
21 Type Electric and Other Logs Run LDT-GR-CNL& LDT-GR-CNL TD; AIT-CFL-GR & AIT-CFL-GR TD		22 Was Well Cored NO
23. CASING RECORD (Report all strings set in well)		
CASING SIZE	WEIGHT LB./FT	DEPTH SET
13-3/8"	54.5	1033'
9-5/8"	36#	3292'
5-1/2"	17#	8150'
24. LINER RECORD		25. TUBING RECORD
SIZE	TOP	SIZE
	BOTTOM	DEPTH SET
	SACKS CEMENT	PACKER SET
26 Perforation record (interval, size, and number) 5600-01'; 5900-01', W/ 4 JSPF 6100-01', 6300-01', 6700-01', 7400-01', 7600-01', 7800-01', 8000-01', W/ 6 JSPF		27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 5600-8001' AMOUNT AND KIND MATERIAL USED ACIDIZE W/ 9000 GALS 7.5% HCL Frac w/358730 gals SpectraStar 2500 & 531613#'s 20/40 Ottawa &
28 PRODUCTION		198715 #'s 16/30 Super LC
Date First Production 07/16/2008	Production Method (Flowing, gas lift, pumping - Size and type pump) PUMPING w/ Wood Group ESP TD-650 submersible	Well Status (Prod or Shut-in) PRODUCING
Date of Test 07/29/2008	Hours Tested 24	Choke Size 18/64"
Flow Tubing Press 210	Casing Pressure 150	Calculated 24-Hour Rate
Prod'n For Test Period	Oil - Bbl	Gas - MCF
Oil - Bbl	Gas - MCF	Water - Bbl
Oil Gravity - API - (Corr)		
29 Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD		Test Witnessed By
30 List Attachments LOGS, C104, INCLINATION REPORT, DIRECTIONAL SURVEY		
31 I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief		
Signature 	Printed Name ANN MOORE	Title PRODUCTION CLERK
E-mail Address camoorebasspet.com		Date 07/31/2008

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depth shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn "B"
T. Salt 1110"	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt 3066'	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand 3272"	T. Todilto	T.
T. Drinkard	T. Bone Springs	T. Entrada	T.
T. Abo	T. 3299'	T. Wingate	T.
T. Wolfcamp	T. 4194'	T. Chinle	T.
T. Penn	T. 5534'	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 3, from.....to.....
No. 2, from.....to..... No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

BEPCO, L.P.
P. O. Box 2760
Midland, Texas 79702

432-683-2277

FAX: 432-687-0329

July 31, 2008

AUG - 4 2009
OCD-ARTESIA

Re: **Horned Toad 36 State #3H**
Nash Draw (Delaware/BS/Avalon)
Eddy County, New Mexico
File: 100-WF: HT36S3H.OCD

Oil Conservation Division
1301 West Grand Avenue
Artesia, New Mexico 88210

Gentlemen:

BEPCO, L.P. respectfully requests that the logs and completion data, on the above captioned well, be held confidential for the maximum period of time.

If you should have any questions, please contact Ann Moore at the above letterhead address, phone number or via email at camoore@basspet.com.

Sincerely,



Ann Moore
Production Clerk

cam

Attachment

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-36300	Pool Code 47545	Pool Name Nash Draw (Delaware, Bone Spring, Avalon Sd)
Property Code 35100	Property Name HORNE TOAD "36" STATE	Well Number 3H
OGRID No. 00181	Operator Name BEPCO, L.P.	Elevation 3097'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	36	24 S	29 E		1881	NORTH	2225	EAST	EDDY

Bottom Hole Location If Different From Surface

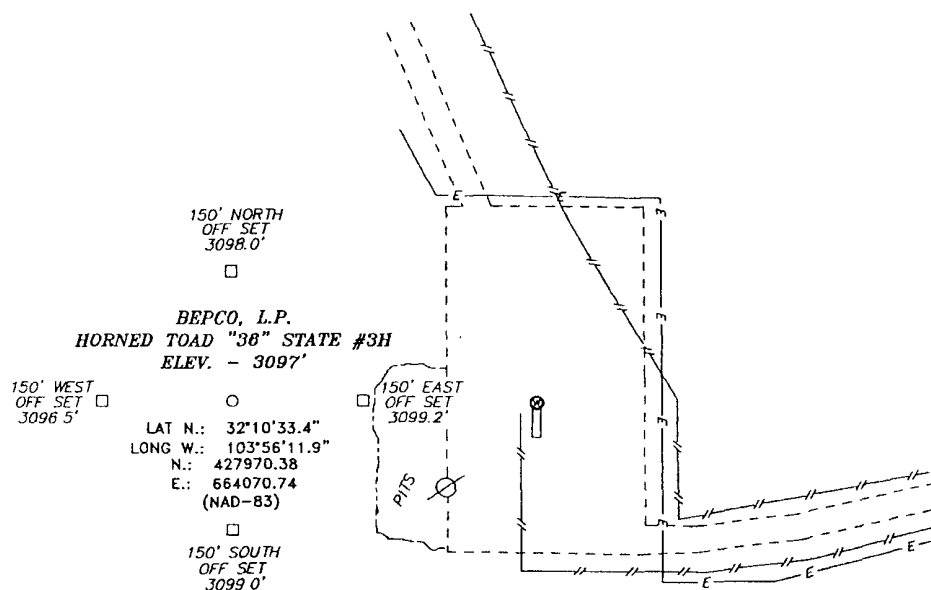
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	36	24 S	29 E		372	SOUTH	2213	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
120	N		

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

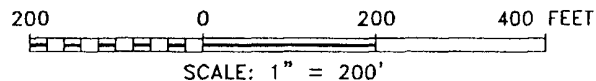
SURFACE LOCATION LAT - N32°10'33.4" LONG - W103°56'11.9" SPC- N.: 427970.38 E.: 664070.74 (NAD-83) BOTTOM HOLE LOCATION LAT - N32°10'03.13" LONG - W103°56'11.97" SPC- N.: 424911.323 E.: 664078.221 (NAD-83)	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete 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> 2/29/08 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. FEBRUARY 11, 2008 Date Surveyed <i>Gary L. Jones</i> Signature & Seal Professional Surveyor Certificate No. Gary L. Jones 7977 BASIN SURVEYS
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SECTION 36, TOWNSHIP 24 SOUTH, RANGE 29 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



DIRECTIONS TO LOCATION:

FROM MILE MARKER 23 ON HWY 128, GO WEST 0.5
MILES TO CO. RD. 787, ON CO. RD. 787 GO SOUTH
9.6 MILES TO CO. RD. 746. ON CO. RD. 746 GO
SOUTHWEST 0.5 MILES THENCE 1.6 MILES WEST ON
LEASE ROAD TO PROPOSED LEASE ROAD.



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

W.O. Number: 19226

Drawn By: J. SMALL

Date: 02-11-2008

Disk: 19226W JMS

BEPCO, L.P.

REF: HORNED TOAD "36" STATE #3H / WELL PAD AND TOPO

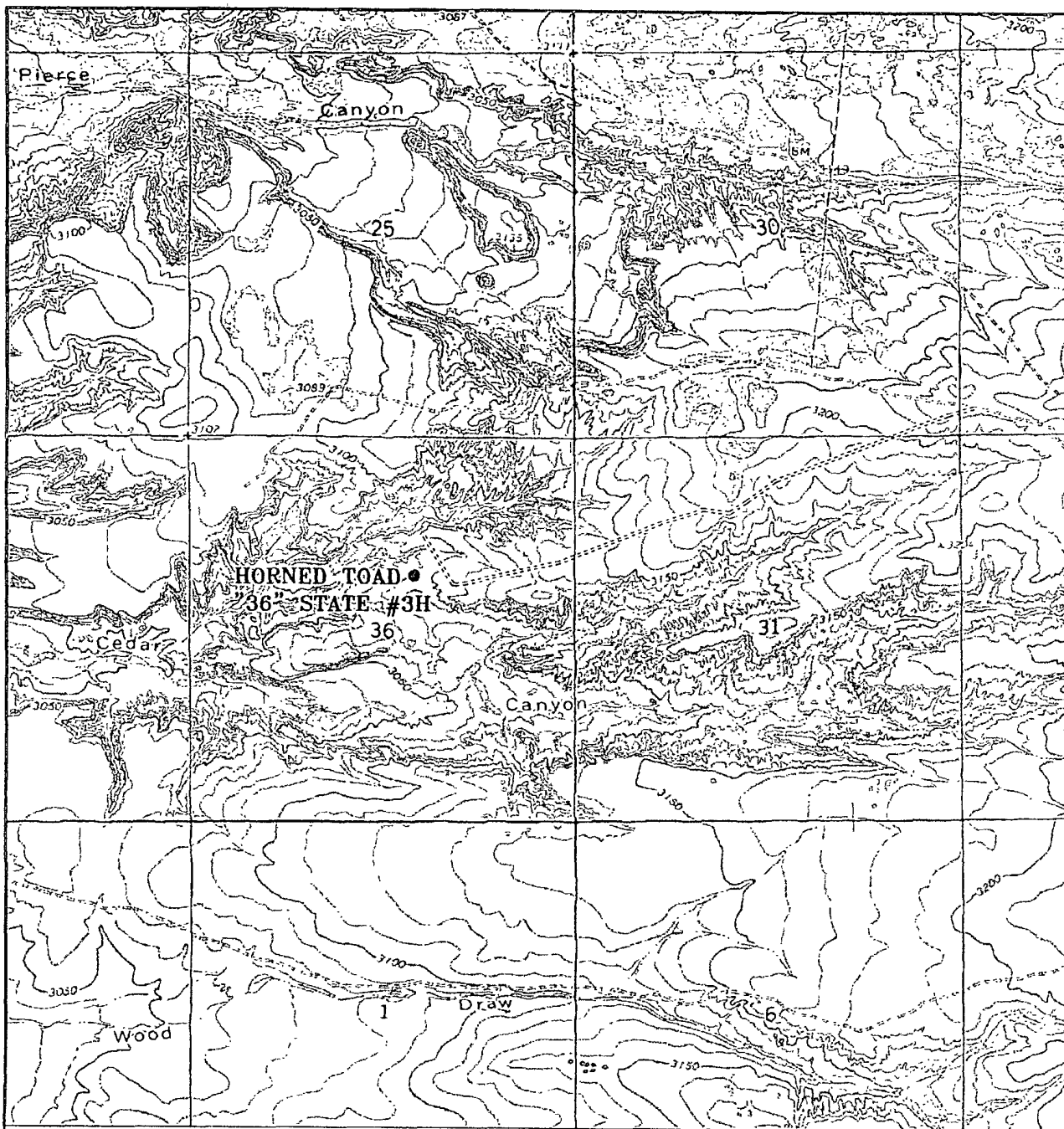
THE HORNED TOAD "36" STATE #3H LOCATED 1881'

FROM THE NORTH LINE AND 2225' FROM THE EAST LINE OF
SECTION 36, TOWNSHIP 24 SOUTH, RANGE 29 EAST,

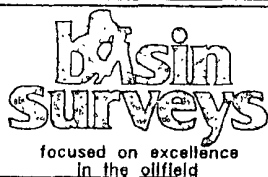
N.M.P.M., EDDY COUNTY, NEW MEXICO.

Survey Date: 02-11-2008

Sheet 1 of 1 Sheets



HORNE TOAD "36" STATE #3H
 1881' FNL and 2225' FEL
 Section 36, Township 24 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 19226T

Survey Date: 02-11-2008

Scale: 1" = 2000'

Date: 02-11-2008

BEPCO, L.P.



HORNER TOAD "36" STATE #3H

1881' FNL and 2225' FEL

Section 36, Township 24 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
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(505) 392-3074 - Fax
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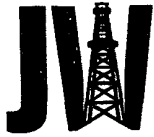
W.O. Number. JMS 19226TR

Survey Date: 02-11-2008

Scale: 1" = 2 MILES

Date: 02-11-2008

BEPCO, L.P.



DRILLING INC. Oil Well Drilling Contractor

Post Office Box 160 Artesia, New Mexico 88211-0160 Office (505) 748-8704 Fax (505) 748-8719

May 19, 2008

BEPCO, L.P.
P.O. Box 2760
Midland, Texas 79702

Re: Horned Toad 36 State #3H
Sec. 36, T-24-S, R-29-E
Eddy County, New Mexico

Attn: Bill Dannels

The following is a Deviation Survey on the referenced well in Eddy County, New Mexico:

324' - 0.75°	2240' - 0.5°	3415' - 1.5°	4395' - 1°
664' - 3°	2333' - 0.5°	3472' - 2°	4489' - 1°
995' - 2.75°	2401' - 0.5°	3535' - 0.5°	4584' - 1°
1118' - 0.5°	2495' - 0.5°	3597' - 1.5°	4677' - 1°
1284' - 1°	2553' - 1°	3659' - 1°	4774' - 1.5°
1409' - 3°	2647' - 1.5°	3781' - 1°	4867' - 1.5°
1495' - 2.5°	2814' - 1.5°	3845' - 0.5°	
1594' - 3°	3035' - 2.5°	3872' - 0.5°	
1680' - 2°	3096' - 2.5°	3934' - 0.5°	
1774' - 3°	3158' - 3°	3999' - 0°	
1837' - 0.5°	3193' - 2.5°	4099' - 1°	
1901' - 0.5°	3224' - 3°	4137' - 1.25°	
2024' - 0.5°	3249' - 3°	4157' - 1°	
2087' - 0.5°	3349' - 2.5°	4181' - 1°	



OFFICIAL SEAL
Barbara L. Carey
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: Sept. 1, 2009

Sincerely,

Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO)
COUNTY OF EDDY)

The foregoing was acknowledged before me this 19th day of May, 2008 by Gary W. Chappell.

MY COMMISSION EXPIRES

Sept. 1, 2009

Barbara L. Carey
NOTARY PUBLIC



Directional Services

Job Number: 0811175051044

Company: BEPCO

Lease/Well: Horned Toad 36 State, Well #3H

Location: Eddy County, NM

Rig Name: JW Drilling #3

RKB:

G.L. or M.S.L.:

State/Country: New Mexico/USA

Declination: 8.11°

Grid: East To Grid

File name: F:\SURVEY\2008SU~1\BEPOL~1\HORNED3H.SVY

Date/Time: 12-May-08 / 18:01

Curve Name: Surface - 4840' M.D. (Gyroscopic)

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane .00
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

We hereby certify that our survey data from
Surface MD to 4,840' MD is, to the best of
our knowledge a true and accurate account of
the well bore.

Dana Juttie 5/13/08
Multi-Shot Date

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
200.00	.25	168.23	200.00	-.43	.09	-.43	.44	168.23	.12
400.00	.50	164.18	399.99	-1.69	.42	-1.69	1.74	166.20	.13
600.00	2.50	203.12	599.92	-6.55	-1.06	-6.55	6.63	189.19	1.07
800.00	2.75	217.06	799.71	-14.39	-5.66	-14.39	15.46	201.49	.34
1000.00	2.25	217.03	999.52	-21.35	-10.92	-21.35	23.98	207.09	.25
1200.00	2.25	215.88	1199.37	-27.66	-15.58	-27.66	31.75	209.39	.02
1400.00	3.50	209.80	1399.11	-36.14	-20.92	-36.14	41.76	210.06	.64
1600.00	3.25	225.77	1598.77	-45.40	-28.02	-45.40	53.34	211.68	.48
1800.00	2.00	224.75	1798.55	-51.83	-34.54	-51.83	62.28	213.68	.63
2000.00	1.50	222.71	1998.46	-56.23	-38.77	-56.23	68.30	214.58	.25
2200.00	.50	212.68	2198.43	-58.89	-41.01	-58.89	71.76	214.86	.51

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
2400.00	.00	.00	2398.42	-59.62	-41.49	-59.62	72.64	214.83	.25
2600.00	1.50	83.59	2598.40	-59.33	-38.88	-59.33	70.94	213.24	.75
2800.00	2.50	95.56	2798.28	-59.46	-31.94	-59.46	67.50	208.24	.54
3000.00	5.00	127.61	2997.85	-65.20	-20.69	-65.20	68.41	197.61	1.59
3200.00	3.00	135.39	3197.36	-74.25	-10.11	-74.25	74.94	187.76	1.03
3400.00	2.00	140.32	3397.17	-80.66	-4.21	-80.66	80.77	182.99	.51
3600.00	1.75	142.27	3597.06	-85.76	-.11	-85.76	85.76	180.07	.13
3800.00	1.75	156.23	3796.97	-90.97	2.99	-90.97	91.02	178.12	.21
4000.00	1.25	145.21	3996.90	-95.56	5.46	-95.56	95.72	176.73	.29
4200.00	1.25	168.26	4196.85	-99.49	7.15	-99.49	99.74	175.89	.25
4400.00	1.00	179.31	4396.81	-103.37	7.62	-103.37	103.65	175.79	.16
4600.00	.75	151.37	4596.79	-106.26	8.27	-106.26	106.58	175.55	.24
4800.00	1.50	167.43	4796.75	-109.97	9.46	-109.97	110.37	175.08	.40
Last Survey Depth Recorded									
4840.00	1.50	159.46	4836.74	-110.97	9.76	-110.97	111.40	174.97	.52



Phone: 432.561.8801

Fax: 432.561.8870

P.O. Box 2552

Midland, Texas 79702

Well Completion Report

BEPCO, LP.
Horned Toad '36' State #3H
Adobe Rig
Eddy Co., New Mexico
Job #2008052

June 4, 2008

1	Daily Drilling Reports
2	'As' Drilled Plot / Gyro Sheets
3	Motor Run Reports
4	Bottom Hole Assemblies
5	Slide Sheets / MWD Surveys

Daily Drilling Report



Daily Drilling Report

Report Date:		12-May-08			
Company		BEPCO		Job #	2008052
Rig		JW #3		Report #	3
Well		Horned Toad 36 state 3H		Midn't Depth	4950
				Ftg. Last 24 Hrs	20
				Last Csg. Set	
				Total PDM Hrs	3.25

		Bit #	1		
BHA #		Size	8 3/4	BHA#	
PDM Serial#	65045	Make	BV	BHA#	
Drl hrs	3.25	Type	LHA537G	Item	Length
Cir hrs		Depth In	4930	Bit	1
Cum. Drl Hrs	3.25	Depth Out		Motor	29.74
Cum. Cir. Hrs		Total Footage		Float	2.65
Bent Sub		Hours		Ubho	2.6
Bent Hous	2.42	ROP		Monel	31
Depth In		Nozzles (TFA)	3-18s	Pony	9.65
Depth Out		T/B/G		Monel	29.74
WOB Rotating	12K	Mud Type		Dp	3056.27
Pad/Stab OD		Weight		DCs 6.5	556.02
GPM	370	Viscosity			
PSI off BTM	1170	PV/YP			
PSI on BTM	1230	PH		TOTAL =	3718.67
Hook Load	150K	Water Loss		BHA Run Tally	
P/U Weight	155K	Solid Content		Rotate	Slide
S/O Weight	145K	Sand Content		20	20
MWD Temp.		Chlorides		3.25	3.25

Time Log			Operation details and comments	Rot.	Slide	Motor Inventory	
From	To	Hours		Ftg.	Ftg.	Clean	
0000	1030	10.50	STAND-BY			Dirty	
1030	1200	1.50	P/U BHA#1 Dail Up 2.42			Comments:	
1200	1230	0.50	Test MWD				
1230	2030	8.00	TIH Fill Every 30 Stds				
2030	2045	0.25	Check Shot				
2045	2400	3.25	Rotate 4930 To 4950 12K WOB, 30 RPM, 370 GPM	20		Directional Charges	
2400						Operating Package \$8,500	
						Gamma \$1,000	
						Motor LIH Coverage \$350	
						MWD LIH Coverage \$450	
						Accomadations \$225	
						Float Valve \$850	
						Motor Inspection \$1,150	
						XP Motor \$750	
						Standby By	
						Mileage	
						Daily Total \$13,275	
						Cum Total \$22,825	
Black Viper Energy Representatives							
				Directional Driller's : Justin Mckenzie			
				James Brunson Robert Williams			
				Mwd Engineers: Troy Peredez			
				Bud Crosby			
Operator Representatives							
Cecil Watkins							
John Turner							
Total Hours=		24.00		20			



Daily Drilling Report

Report Date:	13-May-08	Job #	2008052	Ftg. Last 24 Hrs	280
Company	BEPCO	Report #	4	Last Csg. Set	
Rig	JW #3	Midn't Depth	5230	Total PDM Hrs	24.25
Well	Horned Toad 36 state 3H				
BHA#		Size	8 3/4	BHA#	
PDM Serial#	65045	Make	BV	Item	Length
Drl hrs	16.75	Type	LHA537G	Bit	1
Cir hrs	4.25	Depth In	4930	Motor	29.74
Cum. Drl Hrs	20	Depth Out		Float	2.65
Cum. Cir. Hrs	4.25	Total Footage		Ubho	2.6
Bent Sub		Hours		Monel	31
Bent Hous	2.42	ROP		Pony	9.65
Depth In		Nozzles (TFA)	3-18s	Monel	29.74
Depth Out		T/B/G		Dp	3056.27
WOB Rotating	12K	Mud Type		DCs 6.5	556.02
Pad/Stab OD		Weight			
GPM	370	Viscosity			
PSI off BITM	1170	PV/YP			
PSI on BITM	1230	PH		TOTAL =	3718.67
Hook Load	150K	Water Loss		BHA-Run Tally	
P/U Weight	155K	Solid Content		Rotate	Slide
S/O Weight	145K	Sand Content		39	261
MWD Temp.		Chlorides		4.75	15.25
					4.25
					24.25

Time Log			Operation details and comments	Rot.	Slide	Motor Inventory	
From	To	Hours		Ftg.	Ftg.	Clean	Dirty
0000	130	1.50	Rotate 4950 To 4969 12K WOB, 370 GPM, 30 RPM	19			
130	230	1.00	Slide 4969 To 4982 25K WOB, 370 GPM, 177 GTF		13		
230	445	2.25	Slide 4982 To 5013 25K WOB, 370 GPM, 177 GTF		31		
445	700	2.25	Slide 5013 To 5045 25K WOB, 370 GPM, 177 GTF		32		
700	715	0.25	C&S @ 5000 INC=4.9 AZM=170.9				
715	930	2.25	Slide 5045 To 5075 25K WOB, 370 GPM, 177 GTF		30		
930	945	0.25	C&S @ 5030 INC=8.5 AZM=173.4			Operating Package	\$8,500
945	1130	1.75	Slide 5075 To 5106 25K WOB, 370 GPM, 20R MTF		31	Gamma	\$1,000
1130	1145	0.25	C&S @ 5061 INC=12.2 AZM=176.4			Motor LIH Coverage	\$350
1145	1300	1.25	Slide 5106 To 5138 25K WOB, 370 GPM, HS MTF		32	MWD LIH Coverage	\$450
1300	1315	0.25	C&S @ 5093 INC=15.8 AZM=179.3			Accommodations	\$225
1315	1330	0.25	RIG SERVICE			Float Valve	
1330	1430	1.00	Slide 5138 To 5168 25K WOB, 370 GPM, HS MTF		30	Motor Inspection	
1430	1445	0.25	C&S 5123 INC=19.6 AZM=178.7			XP Motor	\$750
1445	1615	1.50	Slide 5168 To 5199 25K WOB, 370 GPM, 20R MTF		31	Standby By	
1615	1630	0.25	C&S 5154 INC=23.5 AZ=179.2			Mileage	
1630	1830	2.00	Slide 5199 to 5230 25k WOB, 370 GPM,		31	Daily Total	\$11,275
1830	1845	0.25	C&S 5185 INC=27.1 AZ=180.3			Cum Total	\$33,875
1845	2015	1.50	Circulate Sweep Out			Black Viper Energy Representatives	
2015	2115	1.00	POOH To Casing (For Rig Repair)			Directional Driller's : Justin Mckenzie	
2115	2400	2.75	Rig Repair (Circulate)			James Brunson Robert Williams	
2400						Mwd Engineers: Troy Perdez	
						Bud Crosby	
						Operator Representatives	
						Cecil Watkins	
						John Turner	
Total Hours=	24.00			19	261		

Daily Drilling Report

Daily Drilling Report



Daily Drilling Report

Report Date: 17-May-08		Job # 2008052		Ftg. Last 24 Hrs 126	
Company BEPCO		Report # 8		Last Csg. Set	
Rig JW #3		Midn't Depth 5354		Total PDM Hrs 36 25	
Well Horned Toad 36 state 3H					

Bit # 1		Size 8 3/4		BHA#		BHA#	
PDM Serial# 65045		Make BV		Item		Length	
Drl hrs 10.75		Type LHA537G		Bit 1			
Cir hrs. 1 25		Depth In 4930		Motor 29 74			
Cum Drl. Hrs 30.75		Depth Out		Float 2.65			
Cum. Cir Hrs 5.5		Total Footage		Ubho 2 6			
Bent Sub		Hours		Monel 31			
Bent Hous 2 42		ROP		Pony 9.65			
Depth In		Nozzles (TFA) 3-18s		Monel 29.74			
Depth Out		T/B/G		Dp 3056 27			
WOB Rotating 12K		Mud Type		DCs 6.5 556.02			
Pad/Stab OD		Weight					
GPM 370		Viscosity					
PSI off BTM 1170		PV/YP					
PSI on BTM 1230		PH		TOTAL = 3718 67		TOTAL =	
Hook Load 150K		Water Loss		BHA Run/Tally			
P/U Weight 155K		Solid Content		Rotate		Slide	
S/O Weight 145K		Sand Content		39		385	
MWD Temp.		Chlorides		4.75		26	
				5.5		36.25	

Time Log			Operation details and comments	Rot.	Slide	Motor Inventory	
From	To	Hours		Ftg.	Ftg.	Clean	
0000	130	1 50	POOH W/ BHA #1			Dirty	
130	230	1 00	Inspect Bit / Test Motor & MWD			Comments:	
230	630	4 00	TIH W/ BHA#1				
630	730	1 00	P/U Kelly Break Circ				
730	1045	3 25	Slide 5230 to 5261 25k WOB, 370 GPM, HS GTF		31		
1045	1100	0 25	Service Rig			Directional Charges	
1100	1115	0 25	C&S 5216 INC=30 6 AZ=181 9			Operating Package	\$8,500
1115	1315	2 00	Slide 5261 to 5292 30k WOB, 370 GPM, HS GTF		31	Gamma	\$1,000
1315	1330	0 25	C&S 5247 INC= 34.5 az=180.7			Motor LIH Coverage	\$350
1330	1630	3 00	Slide 5292 to 5323 30k WOB, 370 GPM, HS GTF		31	MWD LIH Coverage	\$450
1630	1645	0 25	C&S 5278 INC=38.2 AZ=179 7			Accomadathons	\$225
1645	1915	2 50	Slide 5323 to 5354 30k WOB, 370 GPM, HS GTF		31	Float Valve	
1915	1930	0 25	C&S 5309 INC=42.4 AZ=179 3			Motor Inspection	
1930	2045	1 25	CIRC/PUMP SWEEP			XP Motor	\$750
2045	2400	3 25	POOH			Standby By	
2400						Mileage	
						Daily Total	\$11,275
						Cum Total	\$72,150
Black Viper Energy Representatives							
				Directional Driller's : Justin Mckenzie			
				James Brunson Robert Williams			
				Mwd Engineers: Troy Perdez			
				Bud Crosby			
Operator Representatives							
				Cecil Watkins			
				John Turner			
Total Hours=		24 00			124		

Daily Drilling Report

Report Date:		18-May-08		Job #		2008052		Ftg. Last 24 Hrs		124	
Company		BEPCO		Report #		9		Last Csg. Set		3292 9 5/8	
Rig		JW #3		Midn't Depth		5478		Total PDM Hrs		47 5	
Well		Horned Toad 36 state 3H		Bit #		1					
BHA #				Size		8 3/4		BHA#			
PDM Serial#		65045		Make		BV		Item		Length	
Drl hrs		10 25		Type		LHA537G		Bit		1	
Cir hrs		1		Depth In		4930		Motor		29 74	
Cum. Drl. Hrs		41		Depth Out				Float		2 65	
Cum Cir Hrs		6.5		Total Footage				Ubho		2.6	
Bent Sub				Hours				Monel		31	
Bent Hous		2 42		ROP				Pony		9 65	
Depth In				Nozzles (TFA)		3-18s		Monel		29 74	
Depth Out				T/B/G				Dp		3056 27	
WOB Rotating		12K		Mud Type				DCs 6 5		556.02	
Pad/Stab OD				Weight							
GPM		370		Viscosity							
PSI off BTTM		1170		PV/YP							
PSI on BTTM		1230		PH				TOTAL =		3718.67	
Hook Load		150K		Water Loss				BHA Run Tally:			
P/U Weight		155K		Solid Content				Rotate		Slide	
S/O Weight		145K		Sand Content				64		486	
MWD Temp.				Chlorides				7.25		33.75	
								6.5		47.5	

Time Log			Operation details and comments		Rot.	Slide	Motor Inventory	
From	To	Hours			Ftg.	Ftg.	Clean	
0000	130	1 50	POOH W/ BHA #1				Dirty	
130	230	1 00	L/D MWD Tool & Stand Back BHA #1				Comments:	
230	730	5.00	Log					
730	830	1 00	P/U MWD & TEST (M/U BIT)					
830	900	0 50	T I H					
900	1015	1 25	Cut Drlg line				Directional Charges	
1015	1200	1 75	T I H				Operating Package	\$8,500
1200	1300	1 00	P/U Kelly Break Circ Wash 30' To Bottom				Gamma	\$1,000
1300	1415	1 25	Slide 5354 to 5379 30k WOB, 370 GPM, HS GTF			25	Motor LIH Coverage	\$350
1415	1445	0 50	Rotate 5379 to 5385 29 RPM, 20K WOB, 370 GPM		6		MWD LIH Coverage	\$450
1445	1500	0 25	C&S 5340 INC=46.3 AZ=179 1				Accomadations	\$225
1500	1600	1 00	Slide 5385-5410 30k WOB, 370 GPM, HS GTF			25	Float Valve	
1600	1630	0 50	Rotate 5410 TO 5416 29 RPM, 20K WOB, 370 GPM		6		Motor Inspection	
1630	1645	0 25	C&S 5371 INC= 50.1 AZ=50.1 AZ=179 4				XP Motor	\$750
1645	1900	2 25	Slide 5416 to 5440 30k WOB, 370 GPM, HS GTF			24	Standby By	
1900	2000	1 00	Rotate 5440 to 5447 29 RPM, 20K WOB, 370 GPM		7		Mileage	
2000	2015	0 25	C&S 5402 INC=52.7 AZ=180 2				Daily Total	\$11,275
2015	2330	3 25	Slide 5447 to 5474 30k WOB, 370 GPM, HS GTF			27	Cum Total	\$83,425
2330	2400	0 50	Rotate 5474 to 5478 29 RPM, 20K WOB, 370 GPM		4		Black Viper Energy Representatives	
2400							Directional Driller's : Justin Mckenzie	
							James Brunson Robert Williams	
							Mwd Engineers: Troy Peredez	
							Bud Crosby	
							Operator Representatives	
							Cecil Watkins	
							John Turner	
Total Hours=	24.00				23	101		



Daily Drilling Report

Report Date:		19-May-08	
Company		BEPCO	
Rig		JW #3	
Well		Horned Toad 36 state 3H	
Job #		2008052	
Report #		10	
Ftg. Last 24 Hrs		3292 9 5/8	
Last Csg. Set		47 5	
Total PDM Hrs		47 5	

Bit #		1	
BHA #	1	Size	8 3/4
PDM Serial#	65045	Make	BV
Drl hrs		Type	LHA537G
Cir hrs		Depth In	4930
Cum Drl. Hrs	41	Depth Out	
Cum. Cir. Hrs	6 5	Total Footage	
Bent Sub		Hours	
Bent Hous	2.42	ROP	
Depth In	4930	Nozzles (TFA)	3-18s
Depth Out		T/B/G	
WOB Rotating	12K	Mud Type	cut brine
Pad/Stab OD		Weight	8 7
GPM	370	Viscosity	35
PSI off BTM	1170	PV/YP	
PSI on BTM	1230	PH	9
Hook Load	150K	Water Loss	8
P/U Weight	155K	Solid Content	
S/O Weight	145K	Sand Content	
MWD Temp.		Chlorides	38000 PPM

Item		Length		Item		Length	
Motor		29 74					
Float		2 65					
Ubho		2 6					
Monel		31					
Pony		9 65					
Monel		29 74					
Dp		3056.27					
DCs 6 5		556 02					
TOTAL =		3718 67		TOTAL =			

BHA Run Tally			
Rotate	Slide	Circulate	Total
64	486	550	550
7.25	33.75	6.5	47.5

Time Log			Operation details and comments	Rot.	Slide	Motor Inventory	
From	To	Hours		Ftg.	Ftg.	Clean	
0000	30	0 50	C&S 5433 INC=56 2 AZ=180.6			Dirty	
30	230	2 00	Slide 5478 to 5499 40k WOB, 370 GPM, HS GTF		21	Comments:	
230	315	0 75	Rotate 5499 to 5509 29 RPM, 20K WOB, 370 GPM	10			
315	330	0 25	C&S 5464 INC=59 3 AZ=180 6				
330	745	4 25	Slide 5509 to 5532 40k WOB, 370 GPM, HS GTF		23		
745	900	1 25	Rotate 5532 to 5540 29 RPM, 20K WOB, 370 GPM	8		Directional Charges	
900	915	0 25	Rig Service			Operating Package	\$8,500
915	930	0 25	C&S 5495 INC= 62.7 AZ=180			Gamma	\$1,000
930	1345	4 25	Slide 5540 to 5564 40k WOB, 370 GPM, HS GTF		24	Motor LIH Coverage	\$350
1345	1445	1 00	Rotate 5564 to 5571 29 RPM, 20K WOB, 370 GPM	7		MWD LIH Coverage	\$450
1445	1500	0 25	C&S 5526 INC= 66 AZ=179 4			Accomadations	\$225
1500	1600	1 00	Slide 5571 to 5580 40k WOB, 370 GPM, HS GTF		9	Float Valve	
1600	1745	1 75	Rotate 5580 to 5602 29 RPM, 20K WOB, 370 GPM	22		Motor Inspection	
1745	1800	0 25	C&S 5557 INC= 68 7 AZ=179.1			XP Motor	\$750
1800	2045	2 75	Slide 5602 to 5622 40k WOB, 370 GPM, HS GTF		20	Standy By	
2045	2230	1 75	Rotate 5622 to 5633 29 RPM, 20K WOB, 370 GPM	11		Mileage	
2230	2245	0 25	C&S 5588 INC= 71.1 AZ=179 4			Daily Total	\$11,275
2245	2330	0 75	Slide 5633 to 5638 40k WOB, 370 GPM, HS GTF		5	Cum Total	\$94,700
2330	2400	0 50	Rig Repair- Hole In Discharge pipe@ Pump (Circ)			Black Viper Energy Representatives	
2400						Directional Driller's : Justin Mckenzie James Brunson Robert Williams Mwd Engineers: Troy Paredes Bud Crosby	
						Operator Representatives	
						Cecil Watkins John Turner	
Total Hours=			24.00	58	102		

Daily Drilling Report



Daily Drilling Report

Report Date: 21-May-08		Job # 2008052		Ftg. Last 24 Hrs 149	
Company BEPCO		Report # 12		Last Csg. Set 3292 9 5/8	
Rig JW #3		Midn't Depth 5925		Total PDM Hrs 7 25	
Well Horned Toad 36 state 3H					

BHA# 2		Bit # 2		BHA# 2		BHA# 2	
PDM Serial# X650162	Size 8 3/4	Make BV	Item	Length	Item	Length	
Drl hrs 6.25	Type		Bit	1			
Cir hrs 1	Depth In 5776		Motor	29 8			
Cum. Drl. Hrs 6.25	Depth Out		Float	2 65			
Cum. Cir. Hrs 1	Total Footage -5776		Ubho	2 6			
Bent Sub	Hours		Monel	31			
Bent Hous 1.76	ROP		Pony	9.65			
Depth In 5776	Nozzles (TFA) 6-16s		Monel	29.74			
Depth Out	T/B/G		Dp	3056.27			
WOB Rotating 12K	Mud Type cut brine		DCs 6.5	556 02			
Pad/Stab OD	Weight 8 7						
GPM 370	Viscosity 35						
PSI off BTM	PV/YP						
PSI on BTM	PH 9		TOTAL =	3718 73	TOTAL =		
Hook Load 150K	Water Loss 8		BHA/Run Tally				
P/U Weight 155K	Solid Content		Rotate	Slide	Circulate	Total	
S/O Weight 145K	Sand Content		144	5		149	
MWD Temp.	Chlorides 38000 PPM		5.5	0.75	1	7.25	

Time Log			Operation details and comments	Rot.	Slide	Motor Inventory	
From	To	Hours		Ftg.	Ftg.	Clean	
0000	200	2 00	POOH W/ BHA #1			Dirty	
200	430	2 50	C/O BHA To BHA#2			Comments:	
430	600	1 50	Test Mwd M/U Bit				
600	1000	4 00	T.I.H Fill Every 30 stds				
1000	1030	0 50	P/U Kelly Break Circ				
1030	1100	0 50	Wash To Bottom			Directional Charges	
1100	1145	0 75	Rotate 5776 to 5787 40 RPM, 8K WOB, 350 GPM	11		Operating Package	\$8,500
1145	1200	0 25	C&S 5742 INC= 85 1 AZ=181.2			Gamma	\$1,000
1200	1330	1 50	Rotate 5787 to 5818 40 RPM, 8K WOB, 409 GPM	31		Motor LIH Coverage	\$350
1330	1345	0 25	C&S 5773 INC=87 4 AZ=182.1			MWD LIH Coverage	\$450
1345	1430	0 75	Slide 5818-5823 45k WOB, 370 GPM, HS GTF		5	Accomadations	\$225
1430	1515	0 75	Rotate 5823 TO 5849 40 RPM, 8K WOB, 409 GPM	26		Float Valve	
1515	1900	3 75	Rig Svc (swivel work)			Motor Inspection	\$1,150
1900	1915	0 25	C&S 5804 INC=87.2 AZ=181 9			XP Motor	\$750
1915	2100	1 75	Rotate 5849 to 5879 40 RPM, 8K WOB, 409 GPM	30		Standby By	
2100	2115	0 25	C&S 5834 INC= 87 8 AZ=182 0			Mileage	
2115	2315	2 00	Rotate 5879 to 5911 40 RPM, 8K WOB, 409 GPM	32		Daily Total	\$12,425
2315	2330	0 25	C&S 5866 INC= 87 9 AZ=182.0			Cum Total	\$118,400
2330	2400	0 50	Rotate 5911 to 5925 40 RPM, 8K WOB, 409 GPM	14		Black Viper Energy Representatives	
2400						Directional Driller's : Justin Mckenzie	
						James Brunson Robert Williams	
						Mwd Engineers: Troy Perdez	
						Bud Crosby	
						Operator Representatives	
						Cecil Watkins	
						John Turner	
Total Hours=	24 00			144	5		



Daily Drilling Report

Report Date: 22-May-08		Job # 2008052		Ftg. Last 24 Hrs 388	
Company BEPCO		Report # 13		Last Csg. Set 3292 9 5/8	
Rig JW #3		Midn't Depth 6313		Total PDM Hrs 28 75	
Well Horned Toad 36 state 3H					

Bit #	2	Size	8 3/4	BHA#	2	BHA#	
Make	BV	Make	BV	Item	Length	Item	Length
Type		Type		Bit	1		
Depth In	5776	Depth In	5776	Motor	29 8		
Depth Out		Depth Out		Float	2 65		
Total Footage	-5776	Total Footage	-5776	Ubho	2.6		
Hours		Hours		Monel	31		
ROP		ROP		Pony	9 65		
Nozzles (TFA)	6-16s	Nozzles (TFA)	6-16s	Monel	29 74		
T/B/G		T/B/G		Dp	3056.27		
Mud Type	cut brine	Mud Type	cut brine	DCs 6.5	556.02		
Weight	8.7	Weight	8.7				
Viscosity	35	Viscosity	35				
PV/YP		PV/YP					
PH	9	PH	9	TOTAL =	3718 73	TOTAL =	
Water Loss	8	Water Loss	8	BHA Run Tally			
Solid Content		Solid Content		Rotate	Slide	Circulate	Total
Sand Content		Sand Content		516	21		537
Chlorides	38000 PPM	Chlorides	38000 PPM	25.25	2.5	1	28.75

Time Log			Operation details and comments	Rot.	Slide	Motor Inventory	
From	To	Hours		Ftg.	Ftg.	Clean	
0000	100	1 00	Rotate 5925 to 5942 45 RPM, 10K WOB, 4033 GPM	17		Dirty	
100	115	0 25	C&S 5897 INC= 88.0 AZ=182.1				Comments:
115	415	2 75	Rotate 5942 to 6003 45 RPM, 10K WOB, 4033 GPM	61			
415	430	0 25	C&S 5958 INC= 88.0 AZ=181 8				
430	545	1 25	Rotate 6003 to 6034 45 RPM, 10K WOB, 433 GPM	31			
545	600	0 25	C&S 5989 INC= 88.0 AZ=181.7				Directional Charges
600	900	3 00	Rotate 6034 to 6096 45 RPM, 10K WOB, 433 GPM	62		Operating Package	\$8,500
900	915	0 25	C&S 6051 INC= 88 1 AZ=181.1			Gamma	\$1,000
915	1000	0 75	Slide 6096-6104 15k WOB, 433 GPM, 45L GTF		8	Motor LIH Coverage	\$350
1000	1200	2 00	Rotate 6104 to 6158 45 RPM, 10K WOB, 433 GPM	54		MWD LIH Coverage	\$450
1200	1215	0 25	Rig Service			Accomadations	\$225
1215	1230	0 25	C&S 6113 INC=88.7 AZ=180.6			Float Valve	
1230	1545	3 25	Rotate 6158 to 6220 45 RPM, 10K WOB, 433 GPM	62		Motor Inspection	
1545	1600	0 25	C&S 6175 INC=88.9 AZ=180 6			XP Motor	\$750
1600	1700	1 00	Slide 6220-6228 15k WOB, 433 GPM, 70L GTF		8	Standy By	
1700	2115	4 25	Rotate 6228 to 6282 45 RPM, 10K WOB, 433 GPM	54		Mileage	
2115	2130	0 25	C&S 6237 INC= 89.0 AZ=180 0			Daily Total	\$11,275
2130	2345	2.25	Rotate 6282 to 6313 45 RPM, 10K WOB, 433 GPM	31		Cum Total	\$129,675
2345	2400	0 25	C&S 6268 INC= 89.1 AZ=179.9			Black Viper Energy Representatives	
2400						Directional Driller's : Justin Mckenzie	
						James Brunson Robert Williams	
						Mwd Engineers: Troy Peredez	
						Bud Crosby	
						Operator Representatives	
						Cecil Watkins John Turner	
Total Hours=	23.75			372	16		



Daily Drilling Report

Report Date: 23-May-08		Job # 2008052		Ftg. Last 24 Hrs 298	
Company BEPCO		Report # 14		Last Csg. Set 3292 9 5/8	
Rig JW #3		Midn't Depth 6611		Total PDM Hrs 50	
Well Horned Toad 36 state 3H					

BHA# 2	Size 8 3/4	BHA# 2	Item	Length	BHA#	Item	Length
PDM Serial# X650162	Make BV		Bit	1			
Drl hrs 20.25	Type		Motor	29 8			
Cir hrs. 1	Depth In 5776		Float	2.65			
Cum. Drl. Hrs 48	Depth Out		Ubho	2 6			
Cum Cir Hrs 2	Total Footage -5776		Monel	31			
Bent Sub	Hours		Pony	9 65			
Bent Hous 1.76	ROP		Monel	29 74			
Depth In 5776	Nozzles (TFA) 6-16s		Dp	3056 27			
Depth Out	T/B/G		DCs 6 5	556 02			
WOB Rotating 12K	Mud Type cut brine						
Pad/Stab OD	Weight 8.7						
GPM 433	Viscosity 35						
PSI off BTTM 1200	PV/YP						
PSI on BTTM 1290	PH 9		TOTAL =	3718 73	TOTAL =		
Hook Load 150K	Water Loss 8		BHA Run Tally				
P/U Weight 155K	Solid Content		Rotate	Slide	Circulate	Total	
S/O Weight 145K	Sand Content		778	57		835	
MWD Temp 108	Chlorides 38000 PPM		40.75	7.25	2	50	

Time Log			Operation details and comments	Rot.	Slide	Motor Inventory	
From	To	Hours		Ftg.	Ftg.	Clean	
0000	315	3 25	Rotate 6313 to 6344 45 RPM, 10K WOB, 433 GPM	31		Dirty	
315	330	0 25	C&S 6299 INC= 89.1 AZ=180 1				Comments:
330	830	5 00	Rotate 6344 to 6406 45 RPM, 10K WOB, 433 GPM	62			
830	845	0 25	C&S 6361 INC= 89.2 AZ=180.3				
845	945	1 00	Slide 6406-6412 25k WOB, 433 GPM, 20L GTF		6		
945	1030	0 75	Rotate 6412 to 6437 45 RPM, 20K WOB, 433 GPM	25			Directional Charges
1030	1245	2 25	Short Trip 6 STDs & Circ Sweep			Operating Package	\$8,500
1245	1300	0 25	C&S 6392 INC= 89.1 AZ=180 2			Gamma	\$1,000
1300	1415	1 25	Rotate 6437 to 6468 45 RPM, 20K WOB, 433 GPM	31		Motor LIH Coverage	\$350
1415	1430	0 25	C&S 6423 INC=89.5 AZ=179 9			MWD LIH Coverage	\$450
1430	1545	1 25	Slide 6468-6478 25k WOB, 433 GPM, HS GTF		10	Accomadations	\$225
1545	1815	2 50	Rotate 6478 to 6529 45 RPM, 20K WOB, 433 GPM	51		Float Valve	
1815	1830	0 25	C&S 6484 INC=90.2 AZ=179.2			Motor Inspection	
1830	1930	1 00	Slide 6529 to 6539 25k WOB, 433 GPM, 70R GTF		10	XP Motor	\$750
1930	2145	2 25	Rotate 6539-6591 45 RPM, 20K WOB, 433 GPM	52		Standby By	
2145	2200	0 25	C&S 6546 INC=91 2 AZ=179 4			Mileage	
2200	2330	1 50	Slide 6591 to 6601 25k WOB, 433 GPM, 100R GTF		10	Daily Total	\$11,275
2330	2400	0 50	Rotate 6601 to 6611 45 RPM, 20K WOB, 433 GPM	10		Cum Total	\$140,950
2400						Black Viper Energy Representatives	
						Directional Driller's : Justin Mckenzie	
						James Brunson Robert Williams	
						Mwd Engineers: Troy Perdez	
						Bud Crosby	
						Operator Representatives	
						Cecil Watkins	
						John Turner	
Total Hours= 24 00				262	36		



Daily Drilling Report

Report Date: 24-May-08		Job # 2008052		Ftg. Last 24 Hrs 291	
Company BEPCO		Report # 15		Last Csg. Set 3292 9 5/8	
Rig JW #3		Midn't Depth 6902		Total PDM Hrs 72 25	
Well Horned Toad 36 state 3H					

BHA # 2	Size 8 3/4	BHA# 2	BHA#
PDM Serial# X650162	Make BV	Item	Length
Drl hrs 20 25	Type	Bit 1	
Cir hrs. 2	Depth In 5776	Motor 29 8	
Cum. Drl. Hrs 68.25	Depth Out	Float 2 65	
Cum. Cir. Hrs 4	Total Footage -5776	Ubho 2 6	
Bent Sub	Hours	Monel 31	
Bent Hous 1.76	ROP	Pony 9 65	
Depth In 5776	Nozzles (TFA) 6-16s	Monel 29 74	
Depth Out	T/B/G	Dp 3056.27	
WOB Rotating 12K	Mud Type cut brine	DCs 6.5 556 02	
Pad/Stab OD	Weight 9		
GPM 433	Viscosity 35		
PSI off BTTM 1200	PV/YP 5 4		
PSI on BTTM 1290	PH 9	TOTAL = 3718 73	TOTAL =
Hook Load 150K	Water Loss 12	BHA Run Tally	
P/U Weight 155K	Solid Content 3.10%	Rotate	Slide
S/O Weight 145K	Sand Content	1051	75
MWD Temp. 108	Chlorides 64000 PPM	58.25	10
		4	72.25

Time Log			Operation details and comments	Rot.	Slide	Motor Inventory	
From	To	Hours		Ftg.	Ftg.	Clean	
0000	315	3 25	Rotate 6611 to 6653 45 RPM, 20K WOB, 433 GPM	42		Dirty	
315	330	0 25	C&S 6608 INC= 91.3 AZ=180 0			Comments:	
330	830	5 00	Rotate 6653 to 6713 45 RPM, 20K WOB, 433 GPM	60			
830	845	0 25	C&S 6668 INC= 91.6 AZ=180.4				
845	930	0 75	Slide 6713 to 6718 25k WOB, 433 GPM, 180 GTF		5		
930	1030	1 00	Rotate 6718 to 6744 45 RPM, 20K WOB, 433 GPM	26		Directional Charges:	
1030	1230	2 00	Short Trip 19STDs			Operating Package	\$8,500
1230	1315	0 75	Circ Sweep			Gamma	\$1,000
1315	1330	0 25	C&S 6699 INC= 91.7 AZ=180 2			Motor LIH Coverage	\$350
1330	1415	0 75	Slide 6744 to 6749 25k WOB, 433 GPM, 180 GTF		5	MWD LIH Coverage	\$450
1415	1645	2 50	Rotate 6749 to 6806 45 RPM, 20K WOB, 433 GPM	57		Accomadations	\$225
1645	1700	0 25	C&S 6761 INC=90.2 AZ=179 6			Float Valve	
1700	1815	1 25	Slide 6806 to 6814 25k WOB, 433 GPM, 90R GTF		8	Motor Inspection	
1815	2400	5 75	Rotate 6814-6902 45 RPM, 20K WOB, 433 GPM	88		XP Motor	\$750
2400						Standy By	
						Mileage	
						Daily Total	\$11,275
						Cum Total	\$152,225
Black Viper Energy Representatives:							
Directional Driller's :						Justin Mckenzie	
						James Brunson Robert Williams	
Mwd Engineers:						Troy Peredez	
						Bud Crosby	
Operator Representatives:							
						Cecil Watkins	
						John Turner	
Total Hours= 24.00				273	18		



Daily Drilling Report

Report Date:	25-May-08				
Company	BEPKO	Job #	2008052	Ftg. Last 24 Hrs	301
Rig	JW #3	Report #	16	Last Csg. Set	3292 9 5/8
Well	Horned Toad 36 state 3H	Midn't Depth	7203	Total PDM Hrs	91.25
		Bit #	2		
BHA#	2	Size	8 3/4	BHA#	2
PDM Serial#	X650162	Make	BV	Item	Length
Drl hrs	19	Type		Bit	1
Cir hrs		Depth In	5776	Motor	29 8
Cum. Drl Hrs	87 25	Depth Out		Float	2 65
Cum Cir. Hrs	4	Total Footage	-5776	Ubho	2 6
Bent Sub		Hours		Monel	31
Bent Hous	1 76	ROP		Pony	9 65
Depth In	5776	Nozzles (TFA)	6-16s	Monel	29 74
Depth Out		T/B/G		Dp	3056.27
WOB Rotating	12K	Mud Type	cut brine	DCs 6 5	556.02
Pad/Stab OD		Weight	9		
GPM	433	Viscosity	35		
PSI off BTTM	1200	PV/YP	5 4		
PSI on BTTM	1290	PH	9	TOTAL =	3718 73
Hook Load	150K	Water Loss	12		
P/U Weight	155K	Solid Content	3 10%		
S/O Weight	145K	Sand Content			
MWD Temp.	108	Chlorides	64000 PPM		
				BHA Run Tally	
				Rotate	Slide
				1322	104
				73.25	14
				Circulate	Total
				4	91.25

Time Log			Operation details and comments	Rot.	Slide	Motor Inventory	
From	To	Hours		Ftg.	Ftg.	Clean	
0000	230	2 50	Rotate 6902 to 6930 45 RPM, 20K WOB, 433 GPM	28		Dirty	
230	245	0 25	Rig Service				
245	300	0 25	C&S 6885 INC=90.1 AZ=179 9				
300	615	3 25	Rig Repairs				
615	930	3 25	Rotate 6930 to 6992 45 RPM, 20K WOB, 433 GPM	62			
930	945	0 25	C&S 6947 INC=89 7 AZ=178.9				
945	1100	1 25	Slide 6992 to 7002 25k WOB, 433 GPM, 45R GTF		10	Operating Package	\$8,500
1100	1200	1 00	Rotate 7002 to 7023 45 RPM, 20K WOB, 433 GPM	21		Gamma	\$1,000
1200	1300	1 00	Slide 7023 to 7029 25k WOB, 433 GPM, 20R GTF		6	Motor LIH Coverage	\$350
1300	1415	1 25	Rotate 7023 to 7055 45 RPM, 20K WOB, 433 GPM	26		MWD LIH Coverage	\$450
1415	1430	0 25	C&S 7010 INC=90.8 AZ=179 5			Accomadations	\$225
1430	1715	2 75	Rotate 7055 to 7117 45 RPM, 20K WOB, 433 GPM	62		Float Valve	
1715	1730	0 25	C&S 7072 INC=92.1 AZ=179.6			Motor Inspection	
1730	1815	0 75	Slide 7117 to 7123 25k WOB, 433 GPM, 150R GTF		5	XP Motor	\$750
1815	1930	1 25	Rotate 7123 to 7148 45 RPM, 20K WOB, 433 GPM	25		Standy By	
1930	1945	0 25	C&S 7103 INC=92.0 AZ=179 4			Mileage	
1945	2045	1 00	Slide 7148 to 7156 40k WOB, 433 GPM, 115R GTF		8	Daily Total	\$11,275
2045	2200	1 25	Rotate 7156 to 7180 45 RPM, 20K WOB, 433 GPM	24		Cum Total	\$163,500
2200	2215	0 25	C&S 7135 INC=91 5 AZ=179.5			Black Viper Energy Representatives	
2215	2400	1 75	Rotate 7180 to 7203 45 RPM, 20K WOB, 433 GPM	23		Directional Driller's : Justin Mckenzie	
2400						James Brunson Robert Williams	
						Mwd Engineers: Troy Perdez	
						Bud Crosby	
						Operator Representatives	
						Cecil Watkins	
						John Turner	
Total Hours=				271	29		



Daily Drilling Report

Report Date:	26-May-08	Job #	2008052	Ftg. Last 24 Hrs	162
Company	BEPCO	Report #	17	Last Csg. Set	3292 9 5/8
Rig	JW #3	Midn't Depth	7365	Total PDM Hrs	100
Well	Horned Toad 36 state 3H				

			Bit #	2	3				
BHA #	2	3	Size	8 3/4	8 3/4	BHA #	2	BHA #	3
PDM Serial#	X650162	650009	Make	BV	BV	Item	Length	Item	Length
Drl hrs	7.25	2.25	Type			Bit	1	Bit	1
Cir hrs		1	Depth In	5776	7310	Motor	29 8	Motor	27
Cum Drl. Hrs	94.5	2.25	Depth Out	7310		Float	2 65	Float	2 65
Cum. Cir. Hrs	5.5	1	Total Footage	1534		Ubho	2 6	Ubho	2 6
Bent Sub			Hours	94.5		Monel	31	Monel	31
Bent Hous	1.76	1.76	ROP	16.23		Pony	9 65	Pony	9 65
Depth In	5776	7310	Nozzles (TFA)	6-16s		Monel	29 74	Monel	29 74
Depth Out	7310		T/B/G			Dp	3056 27	Dp	3056 27
WOB Rotating	12K		Mud Type	cut brine		DCs 6 5	556 02	DCs 6 5	556 02
Pad/Stab OD			Weight	9					
GPM	433		Viscosity	35					
PSI off BTM	1200		PV/YP	5 4					
PSI on BTM	1290		PH	9		TOTAL =	3718 73	TOTAL =	3715 93
Hook Load	150K		Water Loss	12					
P/U Weight	155K		Solid Content	3.10%					
S/O Weight	145K		Sand Content			Rotate	Slide	Circulate	Total
MWD Temp.	108		Chlorides	64000 PPM		1420	114		1534
						78.75	15.75	5.5	100

Time Log			Operation details and comments	Rot.	Slide	Motor Inventory	
From	To	Hours		Ftg.	Ftg.	Clean	
0000	215	2 25	Rotate 7203 to 7242 45 RPM, 20K WOB, 433 GPM	39		Dirty	
215	245	0 50	C&S 7197 INC=90.6 AZ=180.0			Comments:	
245	445	2 00	Rotate 7242 to 7274 45 RPM, 20K WOB, 433 GPM	32			
445	500	0 25	C&S 7229 INC=90 8 AZ=179.9				
500	645	1 75	Slide 7274 to 7284 40k WOB, 433 GPM, 120R GTF		10		
645	800	1 25	Rotate 7284 to 7310 45 RPM, 20K WOB, 433 GPM	26		Directional Charges	
800	930	1 50	Circ Sweep			Operating Package	\$8,500
930	1315	3 75	P.O.O H (Bit & Motor)			Gamma	\$1,000
1315	1430	1 25	Lay Down BHA #2			Motor LIH Coverage	\$350
1430	1515	0 75	Pump work			MWD LIH Coverage	\$450
1515	1530	0 25	SFC Test			Accomadations	\$225
1530	1600	0 50	Make UP bit			Float Valve	
1600	2015	4 25	RIH			Motor Inspection	\$1,150
2015	2115	1 00	Wash to Bottom			XP Motor	\$750
2115	2215	1 00	Rotate 7310 to 7334 45 RPM, 20K WOB, 433 GPM	24		Standy By	
2215	2230	0 25	C&S 7291 INC=90 0 AZ=180 5			Mileage	
2230	2345	1 25	Rotate 7334 to 7365 45 RPM, 20K WOB, 433 GPM	31		Daily Total	\$12,425
2345	2400	0 25	C&S 7322 INC=89 9 AZ=180 6			Cum Total	\$175,925
2400						Black Viper Energy Representatives	
						Directional Driller's : Justin Mckenzie	
						James Brunson Robert Williams	
						Mwd Engineers: Troy Paredes	
						Bud Crosby	
						Operator Representatives	
						Cecil Watkins	
						John Turner	
Total Hours=			24 00	152	10		



Daily Drilling Report

Report Date:	27-May-08	Job #	2008052	Ftg. Last 24 Hrs	515
Company	BEPCO	Report #	18	Last Csg. Set	3292 9 5/8
Rig	JW #3	Midn't Depth	7880	Total PDM Hrs	22 75
Well	Horned Toad 36 state 3H				
BHA #	3	Size	8 3/4	BHA#	3
PDM Serial#	650009	Make	BV	Item	Length
Drl hrs	18.5	Type		Bit	1
Cir hrs.	1	Depth In	7310	Motor	27
Cum. Drl. Hrs	20 75	Depth Out	7310	Float	2.65
Cum. Cir. Hrs	2	Total Footage		Ubho	2 6
Bent Sub		Hours	94 5	Monel	31
Bent Hous	1.76	ROP		Pony	9 65
Depth In	7310	Nozzles (TFA)	6-16s	Monel	29.74
Depth Out		T/B/G		Dp	3056.27
WOB Rotating	12K	Mud Type	cut brine	DCs 6 5	556 02
Pad/Stab OD		Weight	9		
GPM	433	Viscosity	35		
PSI off BTM	1200	PV/YP	5 4		
PSI on BTM	1290	PH	9	TOTAL =	3715.93
Hook Load	150K	Water Loss	12		
P/U Weight	155K	Solid Content	3 10%	Rotate	Slide
S/O Weight	145K	Sand Content		551	19
MWD Temp.	108	Chlorides	64000 PPM	Circulate	2
				Total	570
				19.25	1.5
				2	22 75

Time Log			Operation details and comments		Rot.	Slide	Motor Inventory	
From	To	Hours			Ftg.	Ftg.	Clean	
0000	100	1 00	Rotate 7365 to 7397 45 RPM,20K WOB,433 GPM		32		Dirty	
100	115	0 25	C&S 7352 INC=90.1 AZ=180 3				Comments:	
115	215	1 00	Rotate 7397 to 7428 45 RPM,20K WOB,433 GPM		31			
215	230	0 25	C&S 7383 INC=90.2 AZ=180 5					
230	330	1 00	Rotate 7428 to 7459 45 RPM,20K WOB,433 GPM		31			
330	345	0 25	C&S 7414 INC=90.5 AZ=180.4				Directional Charges	
345	500	1 25	Rotate 7459 to 7490 45 RPM,20K WOB,433 GPM		31		Operating Package	\$8,500
500	515	0 25	C&S 7445 INC=90.6 AZ=180.4				Gamma	\$1,000
515	545	0 50	Slide 7490 to 7496 40k WOB, 433 GPM, 1880 GTF			6	Motor LIH Coverage	\$350
545	645	1 00	Rotate 7496 to 7522 45 RPM,20K WOB,433 GPM		26		MWD LIH Coverage	\$450
645	700	0 25	C&S 7479 INC=90 6 AZ=180.3				Accommodations	\$225
700	800	1 00	Rotate 7522 to 7552 45 RPM,20K WOB,433 GPM		30		Float Valve	
800	815	0 25	C&S 7509 INC=89.4 AZ=179.9				Motor Inspection	
815	915	1 00	Rotate 7552 to 7583 45 RPM,20K WOB,433 GPM		31		XP Motor	\$750
915	930	0 25	C&S 7540 INC=89 5 AZ=179.9				Standby By	
930	1030	1 00	Rotate 7583 to 7615 45 RPM,20K WOB,433 GPM		32		Mileage	
1030	1045	0 25	C&S 7572 INC=89.9 AZ=179.9				Daily Total	\$11,275
1045	1145	1 00	Rotate 7615 to 7646 45 RPM,20K WOB,433 GPM		31		Cum Total	\$187,200
1145	1200	0 25	C&S 7603 INC=89.9 AZ=179 9				Black Viper Energy Representatives	
1200	1315	1 25	Rotate 7646 to 7677 45 RPM,20K WOB,433 GPM		31		Directional Driller's : Justin Mckenzie James Brunson Robert Williams Mwd Engineers: Troy Peredez Bud Crosby Operator Representatives Cecil Watkins John Turner	
1315	1330	0 25	C&S 7634 INC=90.2 AZ=179 8					
1330	1430	1 00	Rotate 7677 to 7708 45 RPM,20K WOB,433 GPM		31			
1430	1445	0 25	C&S 7665 INC=90 4 AZ=179.6					
1445	1545	1 00	Rotate 7708 to 7738 45 RPM,20K WOB,433 GPM		30		Cecil Watkins John Turner	
1545	1600	0 25	C&S 7695 INC=90 4 AZ=179.6					
1600	1715	1 25	Rotate 7738 to 7769 45 RPM,20K WOB,433 GPM		31			
1715	1730	0 25	C&S 7726 INC=90.6 AZ=179.1					
1730	1800	0 50	Slide 7769 to 7774 50k WOB, 433 GPM, 120R GTF			5		
Total Hours=		18 00			398	11		

[illegible]



Daily Drilling Report

Report Date:	28-May-08	Job #	2008052	Ftg. Last 24 Hrs	278
Company	BEPKO	Report #	19	Last Csg. Set	3292 9 5/8
Rig	JW #3	Midn't Depth	8150	Total PDM Hrs	38
Well	Horned Toad 36 state 3H	Bit #	3		
BHA#	3	Size	8 3/4	BHA#	3
PDM Serial#	650009	Make	BV	Item	Length
Drl hrs	12	Type		Bit	1
Cir hrs	2.75	Depth In	7310	Motor	27
Cum Drl Hrs	33 25	Depth Out	8150	Float	2.65
Cum. Cir. Hrs	4 75	Total Footage	840	Ubho	2 6
Bent Sub		Hours	33.25	Monel	31
Bent Hous	1 83	ROP	25.26	Pony	9 65
Depth In	7310	Nozzles (TFA)	6-16s	Monel	29.74
Depth Out		T/B/G		Dp	3056 27
WOB Rotating	12K	Mud Type	cut brine	DCs 6.5	556 02
Pad/Stab OD		Weight	9		
GPM	433	Viscosity	35		
PSI off BTM	1200	PV/YP	5 4		
PSI on BTM	1290	PH	9	TOTAL =	3715.93
Hook Load	150K	Water Loss	12	BHA Run Tally	
P/U Weight	155K	Solid Content	3.10%	Rotate	Slide
S/O Weight	145K	Sand Content		821	27
MWD Temp.	108	Chlorides	64000 PPM	31.25	2
				4.75	38

In order to
need put a
It is tge key
enter or ret

Time Log			Operation details and comments		Rot.	Slide	Motor Inventory	
From	To	Hours			Ftg.	Ftg.	Clean	
0000	330	3 50	POOH For Hole In Drill Pipe				Dirty	
330	345	0 25	Found Hole @ Std 44 / L/D 1 Jnt				Comments:	
345	600	2 25	TIH					
600	615	0 25	Rotate 7880 to 7894 45 RPM, 20K WOB, 433 GPM		14			
615	700	0 75	C&S 7851 INC=90.5 AZ=179.1					
700	815	1 25	Rotate 7894 to 7925 45 RPM, 20K WOB, 433 GPM		31		Directional Charges	
815	830	0 25	C&S 7882 INC=90.2 AZ=179.7				Operating Package	\$8,500
830	945	1 25	Rotate 7925 to 7956 45 RPM, 20K WOB, 433 GPM		31		Gamma	\$1,000
945	1000	0 25	C&S 7913 INC=90.4 AZ=179.8				Motor LIH Coverage	\$350
1000	1100	1 00	Rotate 7956 to 7987 45 RPM, 20K WOB, 433 GPM		31		MWD LIH Coverage	\$450
1100	1115	0 25	Service Rig				Accomadations	\$225
1115	1130	0 25	C&S 7944 INC=90.6 AZ=179.4				Float Valve	
1130	1230	1 00	Rotate 7987 to 8018 45 RPM, 20K WOB, 433 GPM		31		Motor Inspection	
1230	1245	0 25	C&S 7975 INC=90.6 AZ=179.3				XP Motor	\$750
1245	1345	1 00	Rotate 8018 to 8049 45 RPM, 20K WOB, 433 GPM		31		Standy By	
1345	1400	0 25	C&S 8006 INC=90.6 AZ=179.3				Mileage	
1400	1415	0 25	Service Rig				Daily Total	\$11,275
1415	1445	0 50	Slide 8049 to 8057 50k WOB, 433 GPM, 120R GTF			8	Cum Total	\$198,475
1445	1630	1 75	Rotate 8057 to 8088 45 RPM, 20K WOB, 433 GPM		31		Black Viper Energy Representatives	
1630	1700	0 50	C&S 8037 INC=90.6 AZ=179.3				Directional Driller's :	Justin Mckenzie
1700	1845	1 75	Rotate 8088 to 8111 45 RPM, 20K WOB, 433 GPM		31		James Brunson	Robert Williams
1845	1915	0 50	C&S 8068 INC=90.5 AZ=179.5				Mwd Engineers:	Troy Peredez
1915	2115	2 00	Rotate 8111 to 8143 45 RPM, 20K WOB, 433 GPM		32			Bud Crosby
2115	2130	0 25	C&S 8100 INC=90.2 AZ=179.7				Operator Representatives	
2130	2145	0 25	Rotate 8143 to 8150 45 RPM, 20K WOB, 433 GPM		7		Cecil Watkins John Turner	
2145	2400	2 25	Clrc					
2400								
Total Hours=		24 00			270	8		

Daily Drilling Report



Project: Eddy Co., New Mexico (Nad 83)
Site: Horned Toad '36' State #3H
Well: Horned Toad '36' State #3H
Wellbore: Lateral
Plan: Plan #2 (Horned Toad '36' State #3H/Lateral)



PROJECT DETAILS Eddy Co., New Mexico (Nad 83)

Geodetic System US State Plane 1983
Datum North American Datum 1983
Ellipsoid GRS 1980
Zone New Mexico Eastern Zone
System Datum Mean Sea Level

ANNOTATIONS

TVD	MD	Annotation
5009.62	5013.00	Build 11 89°/100' TFO 0.20
5452.00	5726.50	EOC Hold 89 54° INC 180.20° AZI

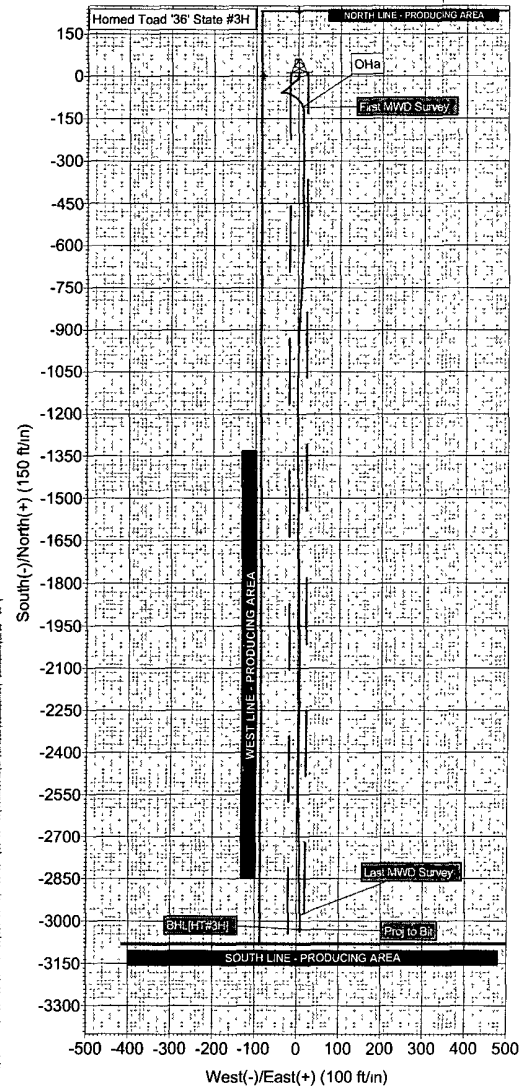
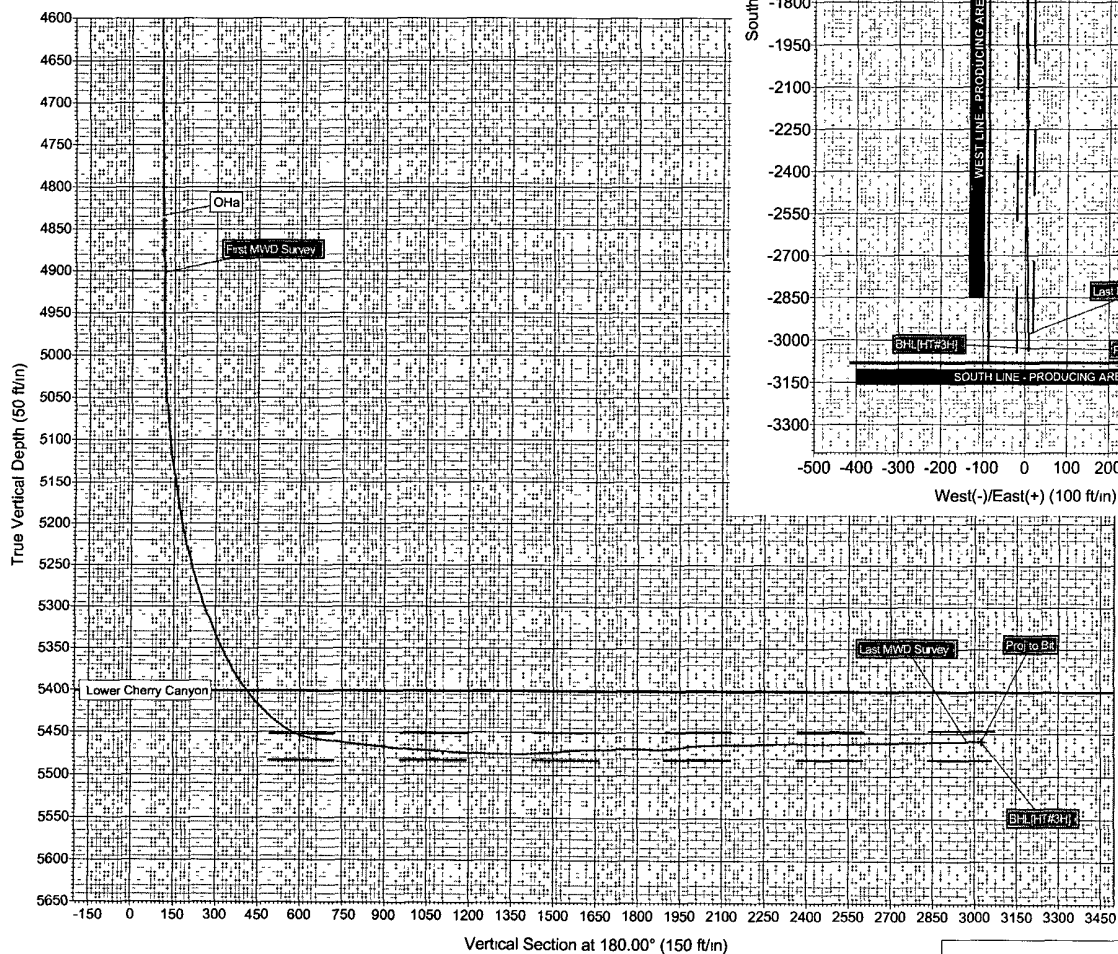


Azimuths to Grid North
True North -0.21°
Magnetic North 7.92°

Magnetic Field
Strength 48905 nT
Dip Angle 60.17°
Date 2/20/2008
Model IGRF200510

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	5013.00	4.70	180.00	5009.62	-116.62	9.94	0.00	0.00	116.62	
2	5726.49	89.54	180.20	5452.00	-592.96	8.44	11.89	0.20	592.96	
3	8192.72	89.54	180.20	5472.00	-3059.10	0.00	0.00	0.00	3059.10	PBHL#2[HT#3H]



Final

Plan Plan #2 (Horned Toad '36' State #3H/Lateral)
Created By Heather Vannoy Date June 02 2008

BEPCO, LP.

Eddy Co., New Mexico (Nad 83)

Horned Toad '36' State #3H

Horned Toad '36' State #3H

OH

Survey: GYRO Survey #1

Standard Survey Report

02 June, 2008

Black Viper Energy

Survey Report

Company:	BEPCO, LP	Local Co-ordinate Reference:	Well Horned Toad '36' State #3H
Project:	Eddy Co., New Mexico (Nad 83)	TVD Reference:	Rig KB (Est.) @ 3116 50ft (Rig KB Elev. (Est.))
Site:	Horned Toad '36' State #3H	MD Reference:	Rig KB (Est.) @ 3116.50ft (Rig KB Elev. (Est.))
Well:	Horned Toad '36' State #3H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OHa	Database:	EDM 2003.14 Server Db

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

Site	Horned Toad '36' State #3H		
Site Position:		Northing:	427,970.38 ft
From:	Map	Easting:	664,070.74 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	32° 10' 33.399 N
		Longitude:	103° 56' 11.943 W
		Grid Convergence:	0.21 °

Well	Horned Toad '36' State #3H		
Well Position	+N/-S	0.00 ft	Northing:
	+E/-W	0.00 ft	Easting:
Position Uncertainty	0.00 ft	Wellhead Elevation:	3,113.70 ft
		Latitude:	32° 10' 33.399 N
		Longitude:	103° 56' 11.943 W
		Ground Level:	3,097.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF200510	2/20/2008	(°)	(°)	(nT)
			8.13	60.17	48,903

Design	OHa				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0.00	0.00	0.00	180.00	

Survey Program	Date 5/12/2008			
From	To	Survey (Wellbore)	Tool Name	Description
(ft)	(ft)			
200.00	4,840.00	GYRO Survey #1 (OH)	NS-GYRO-MS	North sensing gyrocompassing m/s

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	
200.00	0.25	168.23	200.00	-0.43	0.09	0.43	0.13	0.13	0.00	
400.00	0.50	164.18	399.99	-1.69	0.42	1.69	0.13	0.13	-2.03	
600.00	2.50	203.12	599.92	-6.55	-1.06	6.55	1.07	1.00	19.47	
800.00	2.75	217.06	799.71	-14.39	-5.66	14.39	0.34	0.13	6.97	
1,000.00	2.25	217.03	999.52	-21.35	-10.92	21.35	0.25	-0.25	-0.02	
1,200.00	2.25	215.88	1,199.37	-27.66	-15.58	27.66	0.02	0.00	-0.58	
1,400.00	3.50	209.80	1,399.11	-36.14	-20.92	36.14	0.64	0.63	-3.04	
1,600.00	3.25	225.77	1,598.77	-45.40	-28.02	45.40	0.48	-0.13	7.99	
1,800.00	2.00	224.75	1,798.55	-51.83	-34.54	51.83	0.63	-0.63	-0.51	
2,000.00	1.50	222.71	1,998.46	-56.23	-38.77	56.23	0.25	-0.25	-1.02	
2,200.00	0.50	212.68	2,198.43	-58.89	-41.01	58.89	0.51	-0.50	-5.02	
2,400.00	0.00	0.00	2,398.42	-59.62	-41.49	59.62	0.25	-0.25	0.00	

Black Viper Energy

Survey Report

Company:	BEPCO, LP	Local Co-ordinate Reference:	Well Horned Toad '36' State #3H
Project:	Eddy Co., New Mexico (Nad 83)	TVD Reference:	Rig KB (Est.) @ 3116.50ft (Rig KB Elev (Est.))
Site:	Horned Toad '36' State #3H	MD Reference:	Rig KB (Est.) @ 3116.50ft (Rig KB Elev (Est.))
Well:	Horned Toad '36' State #3H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OHa	Database:	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)
2,600.00	1 50	83 59	2,598.40	-59.33	-38.88	59 33	0.75	0.75	0 00
2,800.00	2.50	95.56	2,798.28	-59.46	-31.94	59.46	0.54	0 50	5.99
3,000.00	5.00	127.61	2,997.85	-65.20	-20.69	65 20	1 59	1 25	16 03
3,200.00	3 00	135 39	3,197 36	-74.25	-10 11	74.25	1 03	-1 00	3 89
3,400.00	2 00	140.32	3,397.17	-80.66	-4 21	80.66	0 51	-0.50	2 47
3,600.00	1.75	142.27	3,597.06	-85.76	-0.11	85.76	0.13	-0 13	0 98
3,800.00	1.75	156.23	3,796.97	-90.97	2.99	90 97	0 21	0.00	6 98
4,000.00	1.25	145.21	3,996.90	-95.56	5.46	95 56	0 29	-0 25	-5 51
4,200.00	1.25	168.26	4,196 85	-99.49	7 15	99.49	0 25	0 00	11 53
4,400.00	1 00	179.31	4,396 81	-103.37	7.62	103.37	0 16	-0 13	5 53
4,600.00	0.75	151 37	4,596.79	-106.26	8.27	106 26	0 24	-0 13	-13 97
4,800.00	1.50	167 43	4,796.75	-109.97	9 46	109 97	0.40	0 38	8 03
4,840.00	1 50	159 46	4,836.74	-110 97	9.76	110.97	0.52	0.00	-19 93

Checked By: _____ Approved By: _____ Date: _____



Motor Run Report

Job Number	2008052	BHA # :	1
PDM Company	BVES	Motor Run # :	1
Motor O.D.	6 1/2"		
Power Section	9/10-3.7		
Serial Number	65045		
Customer	BEPCO		
Well Name	Horned Toad 36 state 3H		
Rig Name	JW #3		
County / State	Eddy, New Mexico		
Location			
Date In	12-May		
Date Out	21-May		
Total Days Run	10		
Hole Size	8 3/4		
Stabilizer Size			
Adj. Bend Set	2.42		
Depth In	4930		
Depth Out	5776		
Footage Drilled	846		
ROP	10.61		
Drill Hours	79.75		
Circulating Hours	9		
Total Run Hours	88.75		
Rotating Feet	173		
Rotating Hours	18.00		
Rotating ROP	9.61		
Slide Feet	673		
Slide Hours	61.75		
Slide ROP	10.90		
Failure - Y/N	: n	Failure Type:	
Trip-Reason For	: eoc		
GPM	: 360	Delta P	: 50
Mud Wt.	: 8.9	Inclination	: 82.1
Mud Vis.	: 29	WOB	: 35k
Mud Cl.	: 48000	BHT	:
Mud Type	: Cut Brine	RPM	: 30
Directional Hand #1:	Justin Mckenzie	MWD Hand #1:	Lucky
	James West		
Directional Hand #2:	Robert Williams	MWD Hand #2:	Bud Crosby

Comments:

Bit Grade: 1/8-7-G



Motor Run Report

Job Number	2008052	BHA # :	2
PDM Company	BVES	Motor Run # :	2
Motor O.D.	6 1/2"		
Power Section	9/10-3.7		
Serial Number	X650162		
Customer	BEPCO		
Well Name	Horned Toad 36 state 3H		
Rig Name	JW #3		
County / State	Eddy, New Mexico		
Location			
Date In	21-May		
Date Out	26-May		
Total Days Run	5		
Hole Size	8 3/4		
Stabilizer Size			
Adj. Bend Set	1.76		
Depth In	5776		
Depth Out	7310		
Footage Drilled	1534		
ROP	16.23		
Drill Hours	94.50		
Circulating Hours	5.5		
Total Run Hours	100		
Rotating Feet	1420		
Rotating Hours	78.50		
Rotating ROP	18.09		
Slide Feet	114		
Slide Hours	15.75		
Slide ROP	7.24		

Failure - Y/N : n
Trip-Reason For : P-RATE

Failure Type: _____

GPM : 433
Mud Wt. : 9
Mud Vis. : 35
Mud Cl. : 64000
Mud Type : Cut Brine

Delta P : 150
Inclination : 91.1
WOB : 20K-40K
BHT : 107
RPM : 40

Directional Hand #1: Justin Mckenzie
James Brunson
Directional Hand #2: Robert Williams

MWD Hand #1: Lucky
MWD Hand #2: Bud Crosby

Comments: _____

Bit Grade: 3/3/3/all/na/in/hrs



Motor Run Report

Job Number	2008052	BHA # :	3
PDM Company	BVES		
Motor O.D.	6 1/2"	Motor Run # :	3
Power Section	6/7 5		
Serial Number	650007		
Customer	BEPCO		
Well Name	Horned Toad 36 state 3H		
Rig Name	JW #3		
County / State	Eddy, New Mexico		
Location			
Date In	26-May		
Date Out	29-May		
Total Days Run	2		
Hole Size	8 3/4		
Stabilizer Size			
Adj. Bend Set	1.76		
Depth In	7310		
Depth Out	8150		
Footage Drilled	840		
ROP	25.26		
Drill Hours	33.25		
Circulating Hours	4.75		
Total Run Hours	38		
Rotating Feet	821		
Rotating Hours	31.25		
Rotating ROP	26.27		
Slide Feet	19		
Slide Hours	2.00		
Slide ROP	9.50		
Failure - Y/N :	N	Failure Type:	
Trip-Reason For :	TD		
GPM :	433	Delta P :	150
Mud Wt. :	9	Inclination :	90.2
Mud Vis. :	35	WOB :	20k
Mud Cl. :	64000	BHT :	107
Mud Type :	Cut Brine	RPM :	40
Directional Hand #1:	Justin Mckenzie	MWD Hand #1:	Lucky
	James Brunson		
Directional Hand #2:	Robert Williams	MWD Hand #2:	Bud Crosby

Comments:

Bit Grade:



BHA Data Sheet

Job #	2008052	BHA #:	1	Hole Size :	8 3/4	Motor Run#	1
Customer:	BEPKO	Date In:	#####	Date Out:	05/21/2008	Motor OD:	6 1/2
Well:	Horned Toad 36 state 3H	Depth In:	4930	Depth Out:	5776	Total Ftg.:	846.00
Well Loc.:		Slide.Hrs.:	61.75	Slide Ftg.:	673	Slide.ROP:	10.90
Co./St.:	Eddy, New Mexico	Rot.Hrs.:	18	Rot.Ftg.:	173	Rot.ROP:	9.61
Rig :	JW #3	Drig Hrs.:	79.75	Slide WOB:	45	Avg.ROP:	10.61
DD:	Justin Mckenzie	Circ.Hrs.:	9	Rot. WOB:	25	Steering%:	79.55%
DD:	Robert Williams	D&C Hrs:	88.75	Avg. Tq.:		Rotate%:	20.45%
MWD:	Troy Peredez	Rot/Stat.:	9/10 3.7	Avg. RPM :	30	GPM:	360
MWD:	Bud Crosby	ABH Set:	2.42	Incl. In:	1.5	SPP On:	1200
Mud :	cut brine	Mud PV:		Incl.Out:	82.1	SPP Off:	1150
Mud Wt.:	9 PPG	Chloride:	#####	BHT F.:		Azimuth In :	159.46
Mud Vis.:	36	Sand % :	tr	Solid %:	6.00%	Azimuth Out :	180.6
						Avg.DLS:	11

Item	Description	Vendor	S/N	F/N	Stab. OD	OD	ID	Connection	Length	Cum.
1	Bit	BV	22437			8 3/4		4.5 REG	1.00	1.00
2	Mud Motor	Cavo	65045			6 1/2		4.5 REG 4.5 HX	29.80	30.80
3	Flaoat Sub	BV	6500006			6 1/2	2 7/8	4.5 XH	2.65	33.45
4	UBHO	BV	650023			6 1/2	2 7/8	4.5 XH	2.60	36.05
5	Monel	BV				6 1/2	2 7/8	4.5 XH	31.00	67.05
6	Pony Monel	BV				6 1/2	2 7/8	4.5 XH	9.65	76.70
7	Monel	BV	sd39183			6 1/2	2 7/8	4.5 XH	29.74	106.44
8	32stds 4.5 dp	Rig				6 1/2	2 1/4	4.5 XH	3056.27	3162.71
9	18-6.5DC	Rig				6 1/2	2 1/4	4.5 XH	556.02	3718.73

Total BHA Length = 3718.73

BHA Weights :	Wt in Air = #####	Wt in Mud =	319963 lb
BHA Exp. Behavior			
BHA Act. Behavior			
Comments / Reason for Trip	eoc	Accumulative PDM Hrs.	88.75
Failure? Y or N	Failure Type	n	
Bit Grade	Inner/Outer/Dull Char./Location/Brng/Gage/Other/Reason Pulled	1/8-7-G	



BHA Data Sheet

Job #	2008052	BHA #:	2	Hole Size :	8 3/4	Motor Run#	2
Customer:	BEPCO	Date In:	#####	Date Out:	05/26/2008	Motor OD:	6 1/2
Well:	Horned Toad 36 state 3H	Depth In:	5776	Depth Out:	7310	Total Ftg.:	1534.00
Well Loc.:		Slide.Hrs.:	15.75	Slide Ftg.:	114	Slide.ROP:	7.24
Co./St.:	Eddy, New Mexico	Rot.Hrs.:	78.75	Rot.Ftg.:	1420	Rot.ROP:	18.03
Rig :	JW #3	Drig Hrs.:	94.5	Slide WOB:	40k	Avg.ROP:	16.23
DD:	Justin Mckenzie	Circ.Hrs.:	5.5	Rot. WOB:	20k	Steering%:	7.43%
DD:	Robert Williams	D&C Hrs:	100	Avg. Tq.:		Rotate%:	92.57%
MWD:	Troy Peredez	Rot/Stat.:	9/10 3.7	Avg. RPM :	40	GPM:	388
MWD:	Bud Crosby	ABH Set:	1.76	Incl. In:	82.1	SPP On:	1450
Mud :		Mud PV:	5	Mud YP:	4	Incl.Out:	91.1
Mud Wt.:	9 PPG	Chloride:	#####	BHT F.:	107 F.	SPP Off:	1300
Mud Vis.:	35	Sand % :		Solid %:	1.90%	Azimuth In :	180.6
						Azimuth Out :	180
						Avg.DLS:	1

Item	Description	Vendor	S/N	F/N	Stab. OD	OD	ID	Connection	Length	Cum.
1	Bit	BV	1023			8 3/4		4.5 REG	1.00	1.00
2	Mud Motor	Cavo	65016			6 1/2		4.5 REG 4.5 HX	29.74	30.74
3	Flaoat Sub	BV	6500006			6 1/2	2 7/8	4.5 XH	2.65	33.39
4	UBHO	BV	650023			6 1/2	2 7/8	4.5 XH	2.60	35.99
5	Monel	BV				6 1/2	2 7/8	4.5 XH	31.00	66.99
6	Pony Monel	BV				6 1/2	2 7/8	4.5 XH	9.65	76.64
7	Monel	BV	sd39183			6 1/2	2 7/8	4.5 XH	29.74	106.38
8	32stds 4.5 dp	Rig				6 1/2	2 1/4	4.5 XH	3056.27	3162.65
9	18-6.5DC	Rig				6 1/2	2 1/4	4.5 XH	556.02	3718.67

Total BHA Length = 3718.67

BHA Weights :	Wt in Air = #####	Wt in Mud = 318829 lb
BHA Exp. Behavior		
BHA Act. Behavior		
Comments / Reason for Trip		Accumulative PDM Hrs. 100
Failure? Y or N	Failure Type	
Bit Grade	Inner/Outer/Dull Char./Location/Brng/Gage/Other/Reason Pulled	3/3/3/all/na/in/hrs



BHA Data Sheet

Job #	2008052	BHA #:	3	Hole Size :	8 3/4	Motor Run#	3
Customer:	BEPKO	Date In:	#####	Date Out:	05/29/2008	Motor OD:	6 1/2
Well:	Horned Toad 36 state 3H	Depth In:	7310	Depth Out:	8150	Total Ftg.:	840.00
Well Loc.:		Slide.Hrs.:	2	Slide Ftg.:	19	Slide.ROP:	9.50
Co./St.:	Eddy, New Mexico	Rot.Hrs.:	31.25	Rot.Ftg.:	821	Rot.ROP:	26.27
Rig :	JW #3	Drig Hrs.:	33.25	Slide WOB:	35k	Avg.ROP:	25.26
DD:	Justin Mckenzie	Circ.Hrs.:	4.75	Rot. WOB:	20k	Steering%:	2.26%
DD:	Robert Williams	D&C Hrs:	38	Avg. Tq.:		Rotate%:	97.74%
MWD:	Troy Peredez	Rot/Stat.:	9/10 3.7	Avg. RPM :	40	GPM:	433
MWD:	Bud Crosby	ABH Set:	1.76	Incl. In:	91.1	SPP On:	1475
Mud :		Mud PV:	5	Mud YP:	4	Incl.Out:	90.2
Mud Wt.:	9 PPG	Chloride:	#####	BHT F.:	107 F.	SPP Off:	1350
Mud Vis.:	35	Sand % :		Solid %:	1.90%	Azimuth In :	180
						Azimuth Out :	179.7
						Avg.DLS:	1

Item	Description	Vendor	S/N	F/N	Stab. OD	OD	ID	Connection	Length	Cum.
1	Bit	BV	1023			8 3/4		4.5 REG	1.00	1.00
2	Mud Motor	BV	650007			6 1/2		4.5 REG 4.5 HX	27.00	28.00
3	Flaoat Sub	BV	6500006			6 1/2	2 7/8	4.5 XH	2.65	30.65
4	UBHO	BV	650023			6 1/2	2 7/8	4.5 XH	2.60	33.25
5	Monel	BV				6 1/2	2 7/8	4.5 XH	31.00	64.25
6	Pony Monel	BV				6 1/2	2 7/8	4.5 XH	9.65	73.90
7	1 Jt Dp					6 1/2	2 7/8	4.5 XH	31.20	105.10
8	32stds 4.5 dp	Rig				6 1/2	2 1/4	4.5 XH	3056.27	3161.37
9	18-6.5DC	Rig				6 1/2	2 1/4	4.5 XH	556.02	3717.39

Total BHA Length = 3717.39

BHA Weights :	Wt in Air = #####	Wt in Mud = 318676 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/Brng/Gage/Other/Reason Pulled	



Slide Data Sheet

Company: BEPCO

Date: 12-May thru 20-May

Well Name: Horned Toad 36 state 3H

Bit to Survey: 45 Ft.

Co. Rep.: Cecil Watkins

Page: 1 of 3

BHA #	Survey Depth	Incl. Degree	Azimuth Degree	Depth From	Depth To	Feet	Drill O/R	Tool Face or RPM	Drill Hrs.	WOB 1000#	PU,SO & ROT WT	Pump SPM	Flow Rate	Pressure OFF/ON	Comments
1	4937	1.2	187	4969	4982	13	O	177M	1.00	25k	160k,150k,155k	85	360	1180/1250	
	5000	4.9	170.9	4982	5045	63	O	180M	4.50	25K	160k,150k,155k	85	360	1180/1250	
	5061	12.2	176.4	5045	5106	61	O	20R	4.00	25K	160k,150k,155k	85	360	1180/1250	
	5093	15.8	179.3	5106	5138	32	O	HS	1.25	30K	160k,150k,155k	85	360	1180/1250	
	5154	23.5	179.2	5138	5199	61	O	20R	2.50	30K	160k,150k,155k	85	360	1180/1230	
	5185	27.1	180.3	5199	5230	31	o	18r	2.00	30k	160k,150k,155k	85	360	1200/1250	
	5247	34.5	180.7	5230	5292	62	o	hs	5.00	30k	160k,150k,155k	85	360	1200/1250	
	5309	42.4	179.3	5292	5354	62	o	hs	5.75	32k	160k,150k,155k	85	360	1200/1250	
				5354	5379	25	o	hs	1.25	30k	160k,150k,155k	85	360	1200/1250	
	5340	46.3	179.1	5379	5385	6	r	30	0.50	10k	160k,150k,155k	85	360	1200/1250	
				5385	5410	25	o	hs.	1.00	30k	160k,150k,155k	85	360	1200/1250	
	5371	50.1	179.1	5410	5416	6	r	30	0.50	20k	160k,150k,155k	85	360	1200/1250	
				5416	5440	24	o	hs	2.25	30k	160k,150k,155k	85	360	1200/1250	
1	5402	52.7	180.2	5440	5447	7	r	30	1.00	20k	160k,150k,155k	85	360	1200/1250	
				5447	5474	27	o	hs	3.25	30k	160k,150k,155k	85	360	1200/1250	
	5433	56.2	180.6	5474	5478	4	r	30	0.50	20k	160k,150k,155k	85	360	1200/1250	
				5478	5499	21	o	hs	2.00	30k	160k,150k,155k	85	360	1200/1250	
	5464	59.3	180.6	5499	5509	10	r	30	0.75	20k	160k,150k,155k	85	360	1200/1250	
				5509	5532	23	o	hs	4.25	30k	160k,150k,155k	85	360	1200/1250	
	5495	62.7	180	5532	5540	8	r	30	1.25	20k	160k,150k,155k	85	360	1200/1250	
				5540	5564	24	o	hs	4.25	30k	160k,150k,155k	85	360	1200/1250	
	5526	66	179.4	5564	5571	7	r	30	1.00	20k	160k,150k,155k	85	360	1200/1250	
				5571	5580	9	o	hs	1.00	40k	160k,150k,155k	85	360	1200/1250	
	5557	68.7	179.1	5580	5602	22	r	30	1.75	20k	160k,150k,155k	85	360	1200/1250	
				5602	5622	20	o	hs	2.75	40k	160k,150k,155k	85	360	1200/1250	
1	5588	71.1	179.4	5622	5633	11	r	30	1.75	20k	160k,150k,155k	85	360	1200/1250	
				5633	5648	15	o	hs	2.25	40k	160k,150k,155k	85	360	1200/1250	
	5618	73.8	179.6	5648	5663	15	r	30	1.50	20k	160k,150k,155k	85	360	1200/1250	
				5663	5678	15	o	hs	2.75	40k	160k,150k,155k	85	360	1200/1250	
	5649	75.9	197.6	5678	5694	16	r	30	1.25	20k	160k,150k,155k	85	360	1200/1250	

Sliding Data : Footage= 600 Hrs= 52 FvHr= 11.5384615

Rotating Data: Footage= 112 Hrs= 11.8 FvHr= 9.53191489

Black Viper Directional Sup.: _____



Slide Data Sheet

Company: BEPCO

Date: 20-May thru 25-May

Well Name: Horned Toad 36 state 3H

Bit to Survey: 45 Ft.

Co. Rep.: Cecil Watkins

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BHA #	Survey Depth	Incl. Degree	Azimuth Degree	Depth From	Depth To	Feet	Drill O/R	Tool Face or RPM	Drill Hrs.	WOB 1000#	PU,SO & ROT WT	Pump SPM	Flow Rate	Pressure OFF/ON	Comments
1				5694	5719	25	o	hs	2.50	40k	165k,145k,160k	85	360	1100/1175	
				5719	5725	6	r	30	0.50	20k	165k,145k,160k	85	360	1100/1175	
	5680	78.4	180	5725	5742	17	o	hs	0.75	40k	165k,145k,160k	85	360	1100/1175	
				5742	5756	14	r	30	1.00	20k	165k,145k,160k	85	360	1100/1175	
1	5711	82.1	180.6	5756	5776	20	o	hs	5.50	40k	165k,145k,160k	85	360	1100/1175	
2				5776	5818	42	r	40	2.25	8k	165k,145k,160k	100	410	1250/1350	
2	5773	87.4	182.1	5818	5823	5	o	hs	0.75	25k	165k,145k,160k	100	410	1250/1350	
				5823	5942	119	r	40	5.75	8k	165k,145k,160k	100	410	1250/1350	
	5897	88	182.1	5942	6003	61	r	40	2.75	8k	165k,145k,160k	100	410	1250/1350	
	5989	88	181.7	6003	6096	93	r	40	4.25	8k	165k,145k,160k	100	410	1350/1475	
	6051	88.1	181.1	6096	6104	8	o	45L	0.75	15k	165k,145k,160k	100	410	1350/1475	
				6104	6158	54	r	40	2.00	8k	165k,145k,160k	100	410	1350/1475	
	6113	88.7	180.6	6158	6220	62	r	40	3.25	8k	165k,145k,160k	100	410	1350/1475	
	6175	88.9	180.6	6220	6228	8	o	70L	1.00	15k	165k,145k,160k	100	410	1350/1475	
2				6228	6313	85	r	40	6.50	8k	165k,145k,160k	100	410	1350/1475	
	6286	89.1	179.9	6313	6406	93	r	40	8.25	10k	165k,145k,160k	100	410	1350/1475	
	6361	89.2	180.3	6406	6412	6	o	20l	1.00	20k	165k,145k,160k	100	410	1350/1475	
				6412	6468	56	r	40	3.50	10k	165k,145k,160k	100	410	1350/1475	
	6423	89.5	179.9	6468	6478	10	o	hs	1.25	20k	165k,145k,160k	100	410	1350/1475	
				6478	6529	51	r	40	2.50	10k	165k,145k,160k	100	410	1350/1475	
	6484	90.2	179.2	6529	6539	10	o	70r	1.00	20k	165k,145k,160k	100	410	1350/1475	
				6539	6591	52	r	40	2.25	10k	165k,145k,160k	100	410	1350/1475	
2	6546	91.2	179.4	6591	6601	10	o	100r	1.50	20k	165k,145k,160k	100	410	1350/1475	
				6601	6713	112	r	40	8.75	15k	165k,145k,160k	100	410	1350/1475	
	6668	91.6	180.4	6713	6718	5	o	180	0.75	35k	165k,145k,160k	100	410	1350/1475	
				6718	6744	26	r	40	1.00	15k	165k,145k,160k	100	410	1350/1475	
	6699	91.7	180.2	6744	6749	5	o	180	0.75	35k	165k,145k,160k	100	410	1350/1475	
				6749	6806	57	r	40	2.50	15k	165k,145k,160k	100	410	1350/1475	
	6761	90.2	179.6	6806	6814	8	o	90r	1.25	35k	165k,145k,160k	100	410	1350/1475	
2				6814	6930	116	r	40	8.25	15k	165k,145k,160k	100	410	1350/1475	

Sliding Data : Footage= 137 Hrs= 18.8 Ft/Hr= 7.30666667
 Rotating Data: Footage= 1099 Hrs= 65.3 Ft/Hr= 16.8429119
 Black Viper Directional Sup.: _____



Slide Data Sheet

Company: BEPCO

Date: 25-May thru 20-May

Well Name: Horned Toad 36 state 3H

Bit to Survey: 43 Ft.

Co. Rep. : Cecil Watkins

Page: 3 of 3

BHA #	Surevy Depth	Incl. Degree	Azimuth Degree	Depth From	Depth To	Feet	Drill O/R	Tool Face or RPM	Drill Hrs.	WOB 1000#	PU,SO & ROT WT	Pump SPM	Flow Rate	Pressure OFF/ON	Comments
2	6885	90.1	179.9	6930	6992	62	o	40	3.25	20k	165/145/160	110	433	1425/1575	
	6947	89.7	178.9	6992	7002	10	r	45r	1.25	40k	165/145/160	110	433	1425/1575	
				7002	7023	21	r	40	1.00	20k	165/145/160	110	433	1425/1575	
				7023	7029	6	o	20r	1.00	40k	165/145/160	110	433	1425/1575	
				7029	7117	88	r	20r	4.00	20k	165/145/160	110	433	1425/1575	
2	7072	92.1	179.6	7117	7123	6	o	150r	1.25	40k	165/145/160	110	433	1425/1575	
				7123	7148	25	r	40	1.25	20k	165/145/160	110	433	1425/1575	
	7103	92	179.4	7148	7156	8	o	115r	1.00	40k	165/145/160	110	433	1425/1575	
				7156	7274	118	r	40	6.00	20k	165/145/160	110	433	1425/1575	
	7229	90.8	179.9	7274	7284	10	o	120r	1.75	40k	165/145/160	110	433	1425/1575	
3				7284	7365	81	r	40	3.50	20k	165/145/160	110	433	1425/1575	
	7445	90.6	180.4	7365	7490	125	r	45	4.25	20k	165/145/160	110	433	1425/1575	
				7490	7496	6	o	180R	0.50	40K	165/145/160	110	433	1425/1575	
				7496	7769	273	R	45	9.50	20k	165/145/160	110	433	1425/1575	
	7726	90.6	179.1	7769	7774	5	o	120r	0.50	40k	165/145/160	110	433	1425/1575	
3				7774	7863	89	r	40k	2.50	20k	165/145/160	110	433	1425/1575	
	7820	90.3	179.2	7863	7871	8	o	90r	0.50	40k	165/145/160	110	433	1425/1575	
				7871		-7871					165/145/160	110	433	1425/1575	
3															
3															
3															

Sliding Data : Footage= 111 Hrs= 9.75 Ft/Hr= 11.3846154
 Rotating Data: Footage= 830 Hrs= 33.3 Ft/Hr= 24.962406
 Black Viper Directional Sup.: _____

BEPCO, LP.

Eddy Co., New Mexico (Nad 83)

Horned Toad '36' State #3H

Horned Toad '36' State #3H

Lateral

Survey: MWD Survey #1

Standard Survey Report

02 June, 2008

Black Viper Energy

Survey Report

Company:	BEPCO, LP.	Local Co-ordinate Reference:	Well Horned Toad '36' State #3H
Project:	Eddy Co., New Mexico (Nad 83)	TVD Reference:	Rig KB (est) @ 3113.70ft (Rig KB Elev)
Site:	Horned Toad '36' State #3H	MD Reference:	Rig KB (est) @ 3113.70ft (Rig KB Elev)
Well:	Horned Toad '36' State #3H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral	Database:	EDM 2003.14 Server Db

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

Site	Horned Toad '36' State #3H				
Site Position:		Northing:	427,970.38 ft	Latitude:	32° 10' 33.399 N
From:	Map	Easting:	664,070.74 ft	Longitude:	103° 56' 11.943 W
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence:	0.21 °

Well	Horned Toad '36' State #3H					
Well Position	+N-S	0.00 ft	Northing:	427,970.38 ft	Latitude:	32° 10' 33.399 N
	+E-W	0.00 ft	Easting:	664,070.74 ft	Longitude:	103° 56' 11.943 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	3,113.70 ft	Ground Level:	3,097.00 ft

Wellbore	Lateral				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF200510	2/20/2008	(°)	(°)	(nT)
			8.13	60.17	48,903

Design	Lateral				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	4,840.00
Vertical Section:	Depth From (TVD)	+N-S	+E-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0.00	0.00	0.00	175.13	

Survey Program	Date	6/2/2008			
From	To	Survey (Wellbore)	Tool Name	Description	
(ft)	(ft)				
197.20	4,837.20	GYRO Survey #1 (OH)	NS-GYRO-MS	North sensing gyrocompassing m/s	
4,840.00	8,150.00	MWD Survey #1 (Lateral)	MWD	MWD - Standard	

Survey									
Measured Depth	Inclination	Azimuth	Vertical Depth	+N-S	+E-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)
4,840.00	1.50	159.46	4,836.74	-110.97	9.76	111.40	0.00	0.00	0.00
4,905.00	1.30	184.40	4,901.72	-112.50	10.00	112.94	0.98	-0.31	38.37
First MWD Survey									
4,937.00	1.20	187.00	4,933.71	-113.19	9.93	113.63	0.36	-0.31	8.13
4,968.00	1.90	177.70	4,964.70	-114.03	9.91	114.46	2.39	2.26	-30.00
5,000.00	4.90	170.90	4,996.64	-115.91	10.15	116.35	9.44	9.38	-21.25
5,030.00	8.50	173.40	5,026.43	-119.38	10.61	119.85	12.04	12.00	8.33
5,061.00	12.20	176.40	5,056.92	-124.93	11.08	125.41	12.06	11.94	9.68
5,093.00	15.80	179.30	5,087.96	-132.66	11.34	133.14	11.46	11.25	9.06
5,123.00	19.60	178.70	5,116.54	-141.78	11.51	142.24	12.68	12.67	-2.00
5,154.00	23.50	179.20	5,145.37	-153.16	11.71	153.60	12.59	12.58	1.61
5,185.00	27.10	180.30	5,173.39	-166.40	11.76	166.80	11.71	11.61	3.55

Black Viper Energy

Survey Report

Company: BEPCO, LP
 Project: Eddy Co., New Mexico (Nad 83)
 Site: Horned Toad '36' State #3H
 Well: Horned Toad '36' State #3H
 Wellbore: Lateral
 Design: Lateral

Local Co-ordinate Reference: Well Horned Toad '36' State #3H
 TVD Reference: Rig KB (est.) @ 3113.70ft (Rig KB Elev)
 MD Reference: Rig KB (est.) @ 3113.70ft (Rig KB Elev)
 North Reference: Grd
 Survey Calculation Method: Minimum Curvature
 Database: 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)
5,216.00	30.60	181.90	5,200.54	-181.36	11.46	181.67	11.56	11.29	5.16
5,247.00	34.50	180.70	5,226.66	-198.03	11.09	198.25	12.75	12.58	-3.87
5,278.00	38.20	179.70	5,251.63	-216.40	11.04	216.55	12.09	11.94	-3.23
5,309.00	42.40	179.30	5,275.26	-236.44	11.22	236.54	13.57	13.55	-1.29
5,340.00	46.30	179.10	5,297.43	-258.11	11.52	258.15	12.59	12.58	-0.65
5,371.00	50.10	179.10	5,318.09	-281.21	11.88	281.20	12.26	12.26	0.00
5,402.00	52.70	180.20	5,337.42	-305.43	12.03	305.35	8.83	8.39	3.55
5,433.00	56.20	180.60	5,355.45	-330.65	11.85	330.46	11.34	11.29	1.29
5,464.00	59.30	180.60	5,371.99	-356.86	11.57	356.56	10.00	10.00	0.00
5,495.00	62.70	180.00	5,387.01	-383.97	11.43	383.55	11.10	10.97	-1.94
5,526.00	66.00	179.40	5,400.43	-411.91	11.58	411.41	10.79	10.65	-1.94
5,557.00	68.70	179.10	5,412.37	-440.52	11.96	439.94	8.76	8.71	-0.97
5,588.00	71.10	179.40	5,423.02	-469.62	12.34	468.97	7.80	7.74	0.97
5,618.00	73.80	179.80	5,432.07	-498.22	12.54	497.49	9.09	9.00	1.33
5,649.00	75.90	179.60	5,440.17	-528.14	12.69	527.31	6.80	6.77	-0.65
5,680.00	78.40	180.10	5,447.06	-558.37	12.77	557.43	8.22	8.06	1.61
5,711.00	82.10	180.60	5,452.31	-588.91	12.58	587.85	12.04	11.94	1.61
5,742.00	85.10	181.20	5,455.76	-619.71	12.10	618.50	9.87	9.68	1.94
5,773.00	87.40	182.10	5,457.79	-650.63	11.21	649.23	7.96	7.42	2.90
5,803.00	87.20	181.90	5,459.21	-680.58	10.16	678.98	0.94	-0.67	-0.67
5,835.00	87.80	182.00	5,460.60	-712.53	9.08	710.72	1.90	1.88	0.31
5,866.00	87.90	182.00	5,461.76	-743.49	7.99	741.48	0.32	0.32	0.00
5,897.00	88.00	182.10	5,462.87	-774.45	6.89	772.23	0.46	0.32	0.32
5,928.00	87.80	181.90	5,464.01	-805.41	5.81	802.99	0.91	-0.65	-0.65
5,958.00	88.00	181.80	5,465.11	-835.37	4.84	832.76	0.75	0.67	-0.33
5,989.00	88.00	181.70	5,466.19	-866.34	3.89	863.54	0.32	0.00	-0.32
6,020.00	87.90	181.30	5,467.30	-897.31	3.08	894.33	1.33	-0.32	-1.29
6,051.00	88.10	181.30	5,468.38	-928.28	2.38	925.13	0.65	0.65	0.00
6,082.00	88.10	180.90	5,469.41	-959.26	1.78	955.94	1.29	0.00	-1.29
6,113.00	88.70	180.60	5,470.27	-990.24	1.38	986.78	2.16	1.94	-0.97
6,144.00	88.90	180.70	5,470.92	-1,021.24	1.03	1,017.63	0.72	0.65	0.32
6,175.00	89.10	180.60	5,471.46	-1,052.23	0.67	1,048.48	0.72	0.65	-0.32
6,206.00	89.10	180.60	5,471.95	-1,083.22	0.35	1,079.34	0.00	0.00	0.00
6,237.00	89.00	180.00	5,472.47	-1,114.22	0.19	1,110.20	1.96	-0.32	-1.94
6,268.00	89.10	179.90	5,472.98	-1,145.21	0.21	1,141.09	0.46	0.32	-0.32
6,299.00	89.10	180.10	5,473.47	-1,176.21	0.21	1,171.97	0.65	0.00	0.65
6,330.00	89.10	180.10	5,473.95	-1,207.21	0.16	1,202.85	0.00	0.00	0.00
6,361.00	89.20	180.30	5,474.41	-1,238.20	0.05	1,233.73	0.72	0.32	0.65
6,392.00	89.10	180.20	5,474.87	-1,269.20	-0.08	1,264.60	0.46	-0.32	-0.32
6,423.00	89.50	179.90	5,475.25	-1,300.20	-0.11	1,295.49	1.61	1.29	-0.97
6,453.00	89.50	179.60	5,475.51	-1,330.20	0.02	1,325.39	1.00	0.00	-1.00
6,484.00	90.20	179.10	5,475.59	-1,361.19	0.37	1,356.30	2.77	2.26	-1.61
6,515.00	90.50	179.00	5,475.41	-1,392.19	0.89	1,387.23	1.02	0.97	-0.32
6,546.00	91.20	179.40	5,474.95	-1,423.18	1.32	1,418.15	2.60	2.26	1.29
6,577.00	91.40	179.70	5,474.24	-1,454.17	1.56	1,449.05	1.16	0.65	0.97
6,608.00	91.30	180.00	5,473.51	-1,485.16	1.84	1,479.93	1.02	-0.32	0.97
6,638.00	91.30	180.10	5,472.83	-1,515.16	1.62	1,509.81	0.33	0.00	0.33
6,668.00	91.60	180.40	5,472.07	-1,545.15	1.49	1,539.68	1.41	1.00	1.00
6,699.00	91.70	180.20	5,471.18	-1,576.13	1.32	1,570.55	0.72	0.32	-0.65
6,730.00	91.00	180.20	5,470.45	-1,607.12	1.22	1,601.42	2.26	-2.26	0.00
6,761.00	90.20	179.60	5,470.12	-1,638.12	1.27	1,632.31	3.23	-2.58	-1.94
6,792.00	90.60	179.40	5,469.91	-1,669.12	1.54	1,663.21	1.44	1.29	-0.65
6,823.00	90.40	180.10	5,469.64	-1,700.12	1.68	1,694.11	2.35	-0.65	2.26
6,854.00	90.20	180.10	5,469.48	-1,731.12	1.62	1,724.99	0.65	-0.65	0.00

Black Viper Energy

Survey Report

Company: BEPCO, LP.
Project: Eddy Co., New Mexico (Nad 83)
Site: Horned Toad '36' State #3H
Well: Horned Toad '36' State #3H
Wellbore: Lateral
Design: Lateral

Local Co-ordinate Reference: Well Horned Toad '36' State #3H
TVD Reference: Rig KB (est) @ 3113.70ft (Rig KB Elev)
MD Reference: Rig KB (est) @ 3113.70ft (Rig KB Elev)
North Reference: Gnd
Survey Calculation Method: Minimum Curvature
Database: 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)
6,885.00	90.10	179.90	5,469.39	-1,762.12	1.62	1,755.88	0.72	-0.32	-0.65
6,916.00	89.90	179.50	5,469.39	-1,793.12	1.78	1,786.78	1.44	-0.65	-1.29
6,947.00	89.70	178.90	5,469.50	-1,824.11	2.22	1,817.71	2.04	-0.65	-1.94
6,978.00	89.60	178.90	5,469.69	-1,855.11	2.81	1,848.64	0.32	-0.32	0.00
7,010.00	90.80	179.50	5,469.58	-1,887.10	3.26	1,880.56	4.19	3.75	1.88
7,041.00	91.90	179.90	5,468.85	-1,918.09	3.42	1,911.45	3.78	3.55	1.29
7,072.00	92.10	179.60	5,467.77	-1,949.07	3.56	1,942.33	1.16	0.65	-0.97
7,103.00	92.00	179.40	5,466.66	-1,980.05	3.83	1,973.22	0.72	-0.32	-0.65
7,135.00	91.50	179.50	5,465.68	-2,012.04	4.13	2,005.11	1.59	-1.56	0.31
7,166.00	90.80	180.00	5,465.06	-2,043.03	4.27	2,036.00	2.77	-2.26	1.61
7,197.00	90.60	180.00	5,464.68	-2,074.03	4.27	2,066.89	0.65	-0.65	0.00
7,229.00	90.80	179.90	5,464.29	-2,106.02	4.30	2,098.77	0.70	0.63	-0.31
7,260.00	91.10	180.00	5,463.78	-2,137.02	4.32	2,129.66	1.02	0.97	0.32
7,291.00	90.00	180.50	5,463.48	-2,168.02	4.19	2,160.53	3.90	-3.55	1.61
7,322.00	89.90	180.60	5,463.51	-2,199.02	3.89	2,191.40	0.46	-0.32	0.32
7,352.00	90.10	180.30	5,463.51	-2,229.02	3.66	2,221.27	1.20	0.67	-1.00
7,383.00	90.20	180.50	5,463.42	-2,260.01	3.44	2,252.13	0.72	0.32	0.65
7,414.00	90.50	180.40	5,463.23	-2,291.01	3.20	2,283.00	1.02	0.97	-0.32
7,445.00	90.60	180.40	5,462.94	-2,322.01	2.98	2,313.87	0.32	0.32	0.00
7,479.00	90.60	180.30	5,462.58	-2,356.01	2.77	2,347.72	0.29	0.00	-0.29
7,509.00	89.40	179.90	5,462.58	-2,386.01	2.72	2,377.61	4.22	-4.00	-1.33
7,540.00	89.50	179.90	5,462.88	-2,417.01	2.77	2,408.50	0.32	0.32	0.00
7,572.00	89.90	179.90	5,463.05	-2,449.01	2.83	2,440.39	1.25	1.25	0.00
7,603.00	89.90	179.90	5,463.10	-2,480.01	2.88	2,471.28	0.00	0.00	0.00
7,634.00	90.20	179.80	5,463.07	-2,511.01	2.96	2,502.18	1.02	0.97	-0.32
7,665.00	90.40	179.60	5,462.91	-2,542.00	3.13	2,533.08	0.91	0.65	-0.65
7,695.00	90.40	179.60	5,462.70	-2,572.00	3.34	2,562.99	0.00	0.00	0.00
7,726.00	90.60	179.10	5,462.43	-2,603.00	3.69	2,593.90	1.74	0.65	-1.61
7,757.00	90.30	179.10	5,462.19	-2,634.00	4.17	2,624.82	0.97	-0.97	0.00
7,789.00	90.40	179.20	5,461.99	-2,665.99	4.65	2,656.75	0.44	0.31	0.31
7,820.00	90.30	179.20	5,461.80	-2,696.99	5.08	2,687.67	0.32	-0.32	0.00
7,851.00	90.50	179.10	5,461.59	-2,727.98	5.54	2,718.59	0.72	0.65	-0.32
7,882.00	90.20	179.70	5,461.40	-2,758.98	5.87	2,749.50	2.16	-0.97	1.94
7,913.00	90.40	179.80	5,461.23	-2,789.98	6.00	2,780.40	0.72	0.65	0.32
7,944.00	90.60	179.40	5,460.96	-2,820.98	6.22	2,811.31	1.44	0.65	-1.29
7,975.00	90.60	179.30	5,460.64	-2,851.97	6.57	2,842.22	0.32	0.00	-0.32
8,006.00	90.60	179.30	5,460.31	-2,882.97	6.95	2,873.14	0.00	0.00	0.00
8,037.00	90.60	179.30	5,459.99	-2,913.97	7.33	2,904.05	0.00	0.00	0.00
8,068.00	90.50	179.50	5,459.69	-2,944.96	7.65	2,934.96	0.72	-0.32	0.65
8,100.00	90.20	179.70	5,459.50	-2,976.96	7.88	2,966.87	1.13	-0.94	0.63
Last MWD Survey									
8,150.00	90.20	179.70	5,459.32	-3,026.96	8.14	3,016.71	0.00	0.00	0.00
Proj to Bit									

Black Viper Energy

Survey Report

Company: BEPCO, LP.
Project: Eddy Co., New Mexico (Nad 83)
Site: Horned Toad '36' State #3H
Well: Horned Toad '36' State #3H
Wellbore: Lateral
Design: Lateral

Local Co-ordinate Reference: Well Horned Toad '36' State #3H
TVD Reference: Rig KB (est.) @ 3113.70ft (Rig KB Elev)
MD Reference: Rig KB (est.) @ 3113.70ft (Rig KB Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.14 Server Db

Targets

Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PBHL#1c[HT#3H] - survey misses by 33.71ft at 8150.00ft MD (5459.32 TVD, -3026.96 N, 8.14 E) - Point	0.00	0.00	5,453.20	-3,059.10	0.00	424,911.28	664,070.74	32° 10' 3 126 N	103° 56' 12 074 W
a - survey misses by 4822.24ft at 4840.00ft MD (4836.74 TVD, -110.97 N, 9.76 E) - Point	0.00	0.00	16.70	0.00	-85.00	427,970.38	663,985.74	32° 10' 33 402 N	103° 56' 12 932 W
c - survey misses by 5442.79ft at 8150.00ft MD (5459.32 TVD, -3026.96 N, 8.14 E) - Point	0.00	0.00	16.70	-3,069.00	0.00	424,901.38	664,070.74	32° 10' 3 028 N	103° 56' 12 074 W
PBHL#1b[HT#3H] - survey misses by 35.57ft at 8150.00ft MD (5459.32 TVD, -3026.96 N, 8.14 E) - Point	0.00	0.00	5,472.20	-3,059.10	0.00	424,911.28	664,070.74	32° 10' 3 126 N	103° 56' 12 074 W
b - survey misses by 4832.16ft at 4840.00ft MD (4836.74 TVD, -110.97 N, 9.76 E) - Point	0.00	0.00	16.70	231.00	0.00	428,201.38	664,070.74	32° 10' 35 685 N	103° 56' 11.933 W
PBHL#1a[HT#3H] - survey misses by 26.79ft at 8150.00ft MD (5459.32 TVD, -3026.96 N, 8.14 E) - Circle (radius 20.00)	0.00	0.00	5,472.20	-3,049.00	0.00	424,921.38	664,070.74	32° 10' 3 226 N	103° 56' 12 073 W
PBHL#1[HT#3H] - survey misses by 28.08ft at 8150.00ft MD (5459.32 TVD, -3026.96 N, 8.14 E) - Circle (radius 20.00)	0.00	0.00	5,474.70	-3,049.00	0.00	424,921.38	664,070.74	32° 10' 3 226 N	103° 56' 12 073 W
P(HT36S#3H) - survey misses by 5.53ft at 7135.80ft MD (5465.66 TVD, -2012.84 N, 4.14 E) - Rectangle (sides W3,059.00 H40.00 D10.00)	0.50	180.00	5,462.00	-2,012.78	0.00	425,957.60	664,070.74	32° 10' 13.481 N	103° 56' 12 029 W
LL[HT36S#3H] - survey misses by 4821.32ft at 4840.00ft MD (4836.74 TVD, -110.97 N, 9.76 E) - Rectangle (sides W3,960.00 H1,320.00 D0.00)	0.00	0.00	16.70	0.00	0.00	427,970.38	664,070.74	32° 10' 33.399 N	103° 56' 11 943 W
PBHL#2[HT#3H] - survey misses by 35.49ft at 8150.00ft MD (5459.32 TVD, -3026.96 N, 8.14 E) - Point	0.00	0.00	5,472.00	-3,059.10	0.00	424,911.28	664,070.74	32° 10' 3.126 N	103° 56' 12 074 W
PBHL#1d[HT#3H] - survey misses by 36.14ft at 8150.00ft MD (5459.32 TVD, -3026.96 N, 8.14 E) - Point	0.00	0.00	5,473.70	-3,059.10	0.00	424,911.28	664,070.74	32° 10' 3.126 N	103° 56' 12 074 W

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
4,905.00	4,901.72	-112.50	10.00	First MWD Survey
8,100.00	5,459.50	-2,976.96	7.88	Last MWD Survey
8,150.00	5,459.32	-3,026.96	8.14	Proj to Bit

Checked By: _____ Approved By: _____ Date: _____