

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAR 30 2009

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
BOPCO, L.P.

3. Address
P.O. Box 2760 Midland TX 79702

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 UL 2, 1905' FNL, 660' FWL, LAT N 32.248556, LONG W 103.92761
At top prod interval reported below SAME
At total depth UL H, 2320' FNL, 365' FEL

5. Lease Serial No.
NMLC068545

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no
NMNM71016X

8. Lease Name and Well No
Poker Lake Unit 263H

9. API Well No
30-015-35115

10. id Pool, or Exploratory
Undesignated (Bone Spring) 97753

11. Sec, T, R, M., on Block and Survey or Area
SEC. 6, T24S, R30E

12. County or Parish
Eddy

13. State
NM

14. Date Spudded
10/15/2009

15. Date T D. Reached
12/12/2008

16. Date Completed
☐ D & A ☒ Ready to Prod
03/02/2009

17. Elevations (DF, RKB, RT, GL)*
3216' GL

18. Total Depth MD 12,292'
TVD 8,370'

19. Plug Back T D MD 12,292'
TVD 8,370'

20. Depth Bridge Plug Set: MD
TVD

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)
HLA-CFL-GR; LDT-CNL-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
17-1/2"	13-3/8"	48#	0'	736' TVD		740 SXS		0' CIRC	
12-1/4"	9-5/8"	36#	0'	3489' TVD		1650 SXS		0' TOPOUT	
8-3/4"	5-1/2"	17#	0'	12,292'		1465 SXS		3400' TS	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	7645'	NA						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) First Bone Spring Sand	8244'	9165'	8488'-11921'	0.380"	60	PRODUCING
B)			12292'-12302'		OH	PRODUCING
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
12292'-12302' OH	Frac'd w/ 40,570 gals BFrac 25 w/ 100,222 lbs 20/40 Super LC.
11077'-11922'	Acidize w/ 12,000 gals 7-1/2% NEFE HCl acid.
11077'-11922'	Frac'd w/ 123,892 gals BFrac 25 w/ 300,344 lbs 20/40 SLC.
9940'-10681'	Acidize w/ 12,000 7-1/2% NEFE HCl acid. (see 2nd pg for remaining details)

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

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
03/02/09	03/04/09	24	→	321	601	1197			FLOWING
Choice Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
22/64"	SI 800	600	→				1872.27	PRODUCING	

28. 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	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
	SI		→						

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

ACCEPTED FOR RECORD

MAR 28 2009

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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.)

SOLD

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	603'
				T/SALT	740'
				T/LAMAR	3456'
				T/BELL CANYON	3485'
				T/CHERRY CANYON	4338'
				T/BRUSHY CANYON	5654'
				T/BONE SPRING LIME	7216'
				T/AVALON	4315'
				T/FIRST BONE SPRING SAND	8244'

32 Additional remarks (include plugging procedure).

9940'-10681' Frac'd w/ 122,675 gals BFrac 25 & 299,780 lbs 20/40 SLC.

8782'-9456' Acidize w/ 12,000 gals of 7-1/2% NEFE HCl.

8782'-9456' Frac'd w/ 126,340 gals BFrac 25 & 302,496 lbs 20/40 Super LC.

8488'-8489' Frac'd w/ 2402 gals 7-1/2% HCl, 3784 gals 10# linear spacer, 38,855 gals BFrac 25 w/ 99,451 lbs 20/40 SLC.

DEPTHS ARE MEASURED DEPTHS UNLESS OTHERWISE STATED.

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

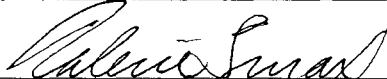
☒ Electrical/Mechanical Logs (1 full set req'd)
 ☐ Geological Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
☐ Core Analysis
☒ Other Inclination Report

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) Valerie Truax

Title Regulatory Administrative Assistant

Signature



Date 03/13/2009

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., Artesia, 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 30-015-35115	Pool Code 97753NA	Pool Name UNDESIGNATED* (BONE SPRING)
Property Code 306402	Property Name POKER LAKE UNIT	Well Number 263H
OGRID No. 260737	Operator Name BOPCO, L.P.	Elevation 3216'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 2	6	24 S	30 E		1894	NORTH	674	WEST	EDDY

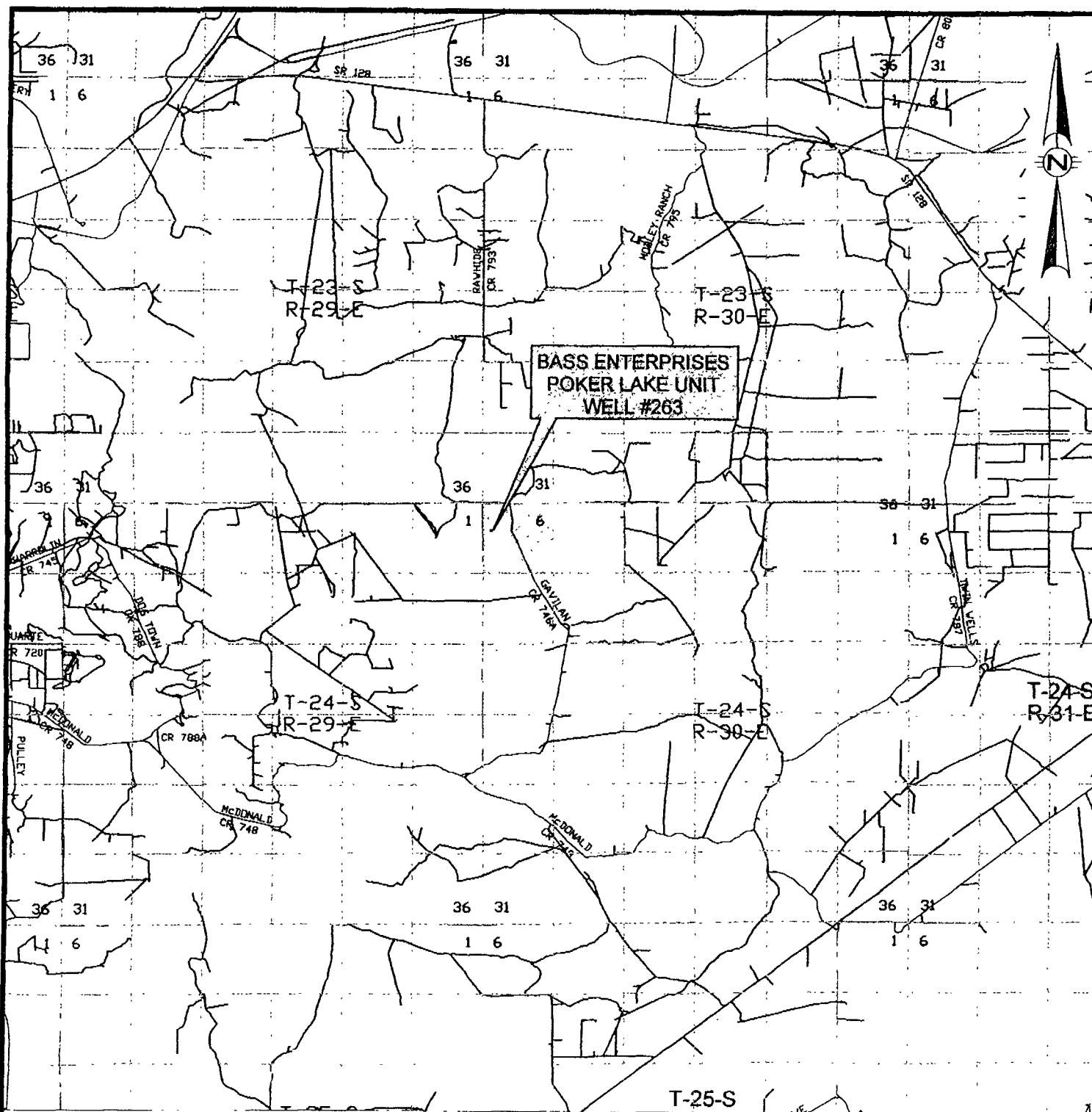
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	6	24 S	30 E		2320	NORTH	365	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160	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

LOT 1 40.72 ACRES BONE SPRING ENTRY POINT LAT - N32°14'54.05" LONG - W103°55'34.08" N.: 454305.713 SPC- E.: 625889.020 (NAD-27)	LOT 2 40.58 ACRES 80.00 ACRES 160.00 ACRES PROJECT AREA PRODUCING AREA 4323.0'	LOT 3 40.42 ACRES SURFACE LOCATION LAT - N32°14'55.06" LONG - W103°55'36.74" N.: 454406.525 SPC- E.: 625660.148 (NAD-27) LOT 4 40.28 ACRES 80.00 ACRES 160.00 ACRES BOTTOM LOCATION LAT - N32°14'51.00" LONG - W103°54'47.55" N.: 453972.168 SPC- E.: 629886.334 (NAD-27)	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 undivided mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: Gary E. Gerhard Date: 10/28/08 Printed Name: Gary E. Gerhard 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. OCTOBER 24, 2008 Date Surveyed: Gary L. Jones Signature: Gary L. Jones Professional Surveyor Certificate No. Gary L. Jones 7977 Basin Surveys
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basin surveys

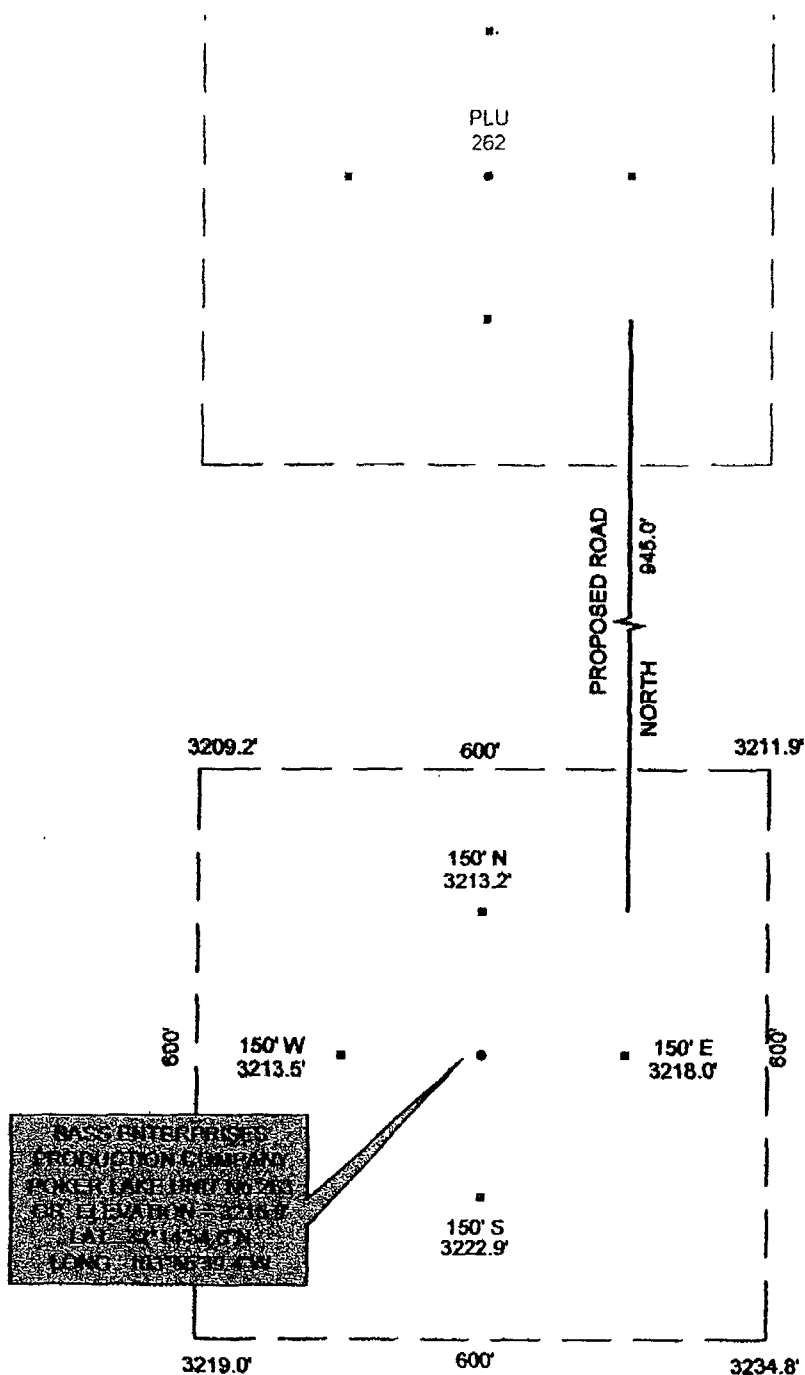
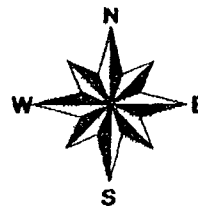
W.O. Number: SS-C:\DRAWINGS\BASSI
BASS6076-1

Survey Date. JANUARY 15, 2006

Scale: 1" = 2 MILES

BASS
ENTERPRISES

SECTION 6, TOWNSHIP 24 SOUTH, RANGE 30 EAST, N.M.P.M.
EDDY COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION:

FROM THE INTERSECTION OF STATE HIGHWAY #128 AND
COUNTY ROAD #793 (RAWHIDE ROAD) GO SOUTH 6.6 MILES TO
PROPOSED TOAD, GO WEST 0.2 MILES TO #262, BEGIN ROAD



BASS ENTERPRISES PRODUCTION COMPANY

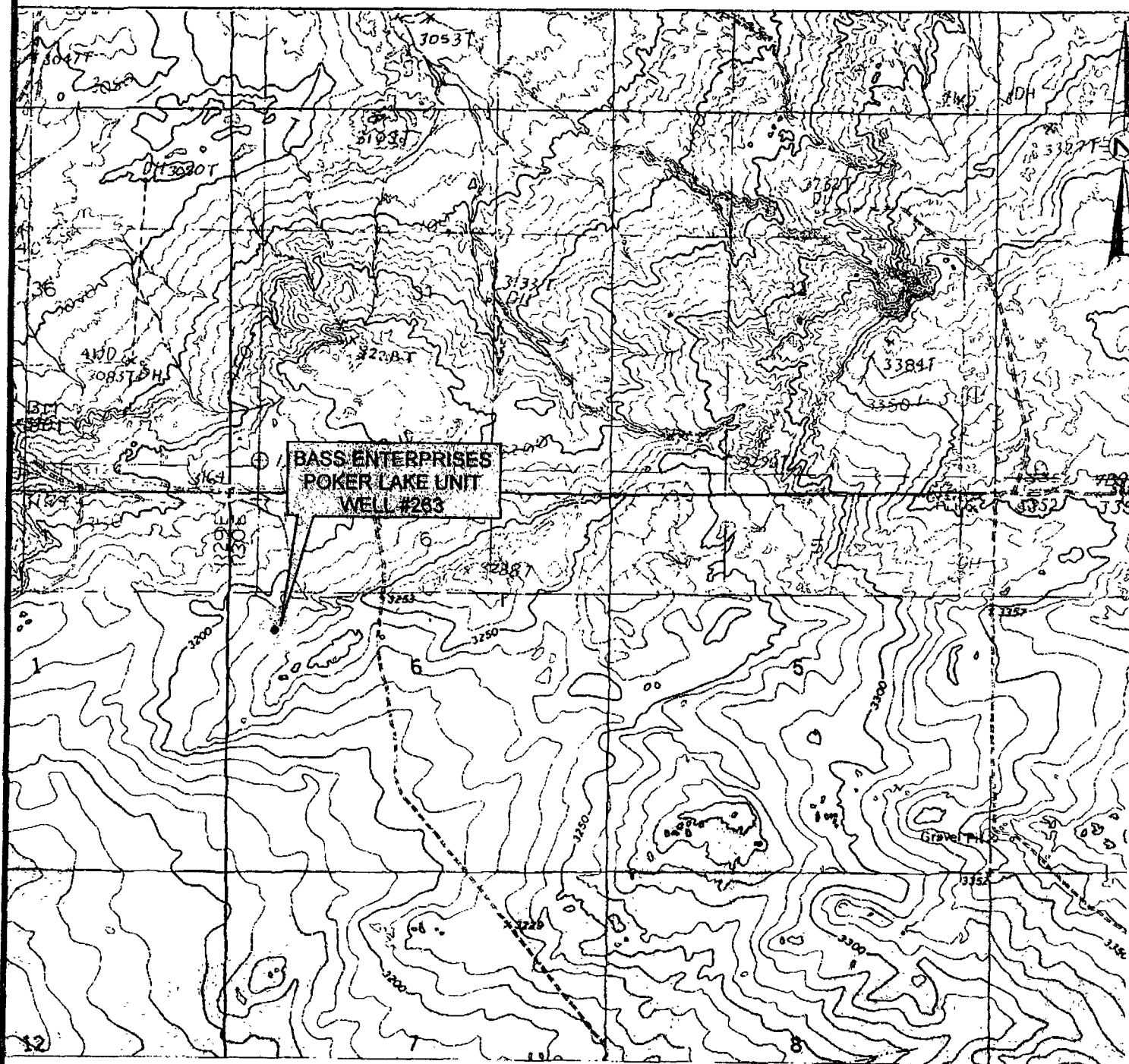
POKER LAKE UNIT WELL No. 263 / WELL PAD TOPO

THE POKER LAKE UNIT No. 263 LOCATED
1905' F.N.L. AND 660' F.W.L., SECTION 6
TOWNSHIP 24 SOUTH, RANGE 30 EAST, N.M.P.M.
EDDY COUNTY, NEW MEXICO

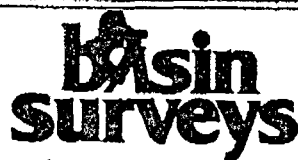
BASIN SURVEYS P.O. BOX 1786 -HOBBS, NEW MEXICO

W.O. Number: 6075

Drawn By: S.STANFIELD



BASS ENTERPRISES POKER LAKE UNIT #263
 1905' F.N.L. & 660' F.W.L., SECTION 6,
 TOWNSHIP 24 SOUTH, RANGE 30 EAST, N.M.P.M.
 EDDY COUNTY, NEW MEXICO



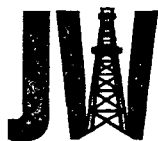
P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (505) 393-7316 - Office
 (505) 392-3074 - Fax

W.O. Number: SS-C:\DRAWINGS\BASS\BASS8076-1

Survey Date: JANUARY 15, 2006

Scale: 1" = 2000'

BASS
 ENTERPRISES



DRILLING INC. Oil Well Drilling Contractor

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

November 14, 2008

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

Re: Poker Lake Unit 263 H
Sec. 6, T-24-S, R-30-E
Eddy County, New Mexico

Attn: Bill Dannels

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

237' - 0.25°	3681' - 0.5°	8419' - 1°
513' - 0.75°	3929' - 1°	8804' - 0.5°
696' - 1.75°	4370' - 0.5°	9198' - 2°
920' - 1.5°	4705' - 1°	9370' - 2°
1181' - 2°	5051' - 1°	
1429' - 1°	5453' - 2°	
1678' - 0.5°	5858' - 1.5°	
1889' - 0.5°	6233' - 0.5°	
2173' - 0.5°	6610' - 0.5°	
2348' - 1.75°	6993' - 2°	
2607' - 1.5°	7007' - 0.5°	
2856' - 1°	7172' - 1.5°	
3106' - 2.5°	7651' - 1°	
3386' - 2°	8047' - 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 14th day of November, 2008 by Gary W. Chappell.

MY COMMISSION EXPIRES

Sept. 1, 2009

Barbara L. Carey
NOTARY PUBLIC

ADB

CAM

BEPCO, L.P.

Eddy Co. New Mexico (Nad 27)

Poker Lake Unit #263H

Poker Lake Unit #263H

Lateral #1

Survey: MWD Survey #1

Standard Survey Report

10 December, 2008

Black Viper Energy

Survey Report

Company:	BEPCO, L.P.	Local Co-ordinate Reference:	Well Poker Lake Unit #263H
Project:	Eddy Co. New Mexico (Nad 27)	TVD Reference:	KB Elevation @ 3235.00ft (KB Elevation)
Site:	Poker Lake Unit #263H	MD Reference:	KB Elevation @ 3235 00ft (KB Elevation)
Well:	Poker Lake Unit #263H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	Lateral #1	Database:	EDM 2003 14 Server Db

Project:	Eddy Co. New Mexico (Nad 27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Ground Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site:	Poker Lake Unit #263H		
Site Position:		Northing:	454,406 53 ft
From:	Map	Easting:	625,660 15 ft
Position Uncertainty:	0 00 ft	Slot Radius:	"
		Latitude:	32° 14' 55 047 N
		Longitude:	103° 55' 36 754 W
		Grid Convergence:	0 22 °

Well:	Poker Lake Unit #263H		
Well Position	+N/-S	0 00 ft	Northing:
	+E/-W	0 00 ft	Easting:
Position Uncertainty	0 00 ft	Wellhead Elevation:	3,235 00 ft
		Latitude:	32° 14' 55 047 N
		Longitude:	103° 55' 36 754 W
		Ground Level:	3,216 00 ft

Wellbore:	Lateral #1		
Magnetics	Model Name	Sample Date	Declination
	IGRF200510	9/30/2008	8 06
			Dip Angle
			60 23
			Field Strength
			48,912

Design:	Lateral #1		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	7,700 00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0 00	0 00	0 00
			Direction
			165 52

Survey Program	Date: 12/10/2008		
From	To	Survey (Wellbore)	Tool Name
(ft)	(ft)		
99 00	7,700 00	Gyro Survey #1 (OH)	NS-GYRO-MS
7,700 00	12,292 00	MWD Survey #1 (Lateral #1)	MWD
			Description:
			North sensing gyrocompassing m/s
			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)
7,700 00	0 55	159 55	7,697 86	-115 98	27 54	119 19	0 00	0 00	0 00
7,743 00	0 40	160 10	7,740 85	-116 32	27 66	119 54	0 35	-0 35	1 28
First MWD Survey									
7,777 00	0 50	170 20	7,774 85	-116 58	27 73	119 81	0 37	0 29	29.71
7,808 00	1 60	84 80	7,805 85	-116 67	28 18	120 01	5 28	3 55	-275 48
7,839 00	5 40	81 10	7,836 79	-116 41	30 05	120 22	12 27	12 26	-11 94
7,865 00	10 30	86 30	7,862 53	-116 07	33 58	120 78	19 02	18 85	20 00
7,897 00	13 40	89 90	7,893 85	-115 87	40 15	122 23	9 95	9 69	11 25
7,927 00	17 20	89 60	7,922 78	-115 84	48 06	124 17	12 67	12 67	-1 00
7,959 00	21 50	86 60	7,952 97	-115 46	58 65	126 45	13 79	13 44	-9 38
7,991 00	25 60	87 30	7,982 30	-114 78	71 42	128 99	12 84	12 81	2 19
8,022 00	29 30	87 60	8,009 80	-114 15	85 69	131 95	11 94	11 94	0 97

Black Viper Energy

Survey Report

Company:	BEPCO, L.P.	Local Co-ordinate Reference:	Well Poker Lake Unit #263H
Project:	Eddy Co. New Mexico (Nad 27)	TVD Reference:	KB Elevation @ 3235 00ft (KB Elevation)
Site:	Poker Lake Unit #263H	MD Reference:	KB Elevation @ 3235 00ft (KB Elevation)
Well:	Poker Lake Unit #263H	North Reference:	Gnd
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	Lateral #1	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)
8,053.00	33.20	88.10	8,036.30	-113.55	101.76	135.38	12.61	12.58	1.61
8,084.00	37.70	88.30	8,061.54	-112.99	119.73	139.33	14.52	14.52	0.65
8,115.00	41.60	88.30	8,085.41	-112.40	139.49	143.70	12.58	12.58	0.00
8,146.00	45.30	90.10	8,107.91	-112.11	160.81	148.75	12.58	11.94	5.81
8,177.00	48.90	92.00	8,129.01	-112.54	183.50	154.84	12.45	11.61	6.13
8,209.00	52.00	93.50	8,149.38	-113.73	208.15	162.15	10.34	9.69	4.69
8,240.00	54.30	93.00	8,167.97	-115.14	232.91	169.70	7.53	7.42	-1.61
8,273.00	56.80	92.00	8,186.64	-116.32	260.09	177.65	7.98	7.58	-3.03
8,305.00	58.30	92.10	8,203.81	-117.29	287.08	185.33	4.69	4.69	0.31
8,335.00	61.00	92.40	8,218.97	-118.30	312.95	192.78	9.04	9.00	1.00
8,366.00	63.30	93.40	8,233.45	-119.69	340.32	200.96	7.95	7.42	3.23
8,398.00	66.80	92.40	8,246.95	-121.16	369.29	209.62	11.30	10.94	-3.13
8,428.00	69.70	90.60	8,258.06	-121.88	397.14	217.29	11.16	9.67	-6.00
8,459.00	72.60	89.40	8,268.08	-121.88	426.47	224.62	10.05	9.35	-3.87
8,491.00	76.00	89.00	8,276.74	-121.45	457.27	231.90	10.69	10.63	-1.25
8,521.00	79.40	88.80	8,283.13	-120.89	486.57	238.68	11.35	11.33	-0.67
8,553.00	82.80	88.50	8,288.08	-120.14	518.18	245.86	10.67	10.63	-0.94
8,580.00	85.50	87.30	8,290.83	-119.16	545.01	251.61	10.93	10.00	-4.44
8,609.00	88.60	87.10	8,292.32	-117.74	573.94	257.47	10.71	10.69	-0.69
8,641.00	90.00	88.80	8,292.71	-116.60	605.91	264.36	6.88	4.38	5.31
8,672.00	90.60	91.50	8,292.55	-116.68	636.91	272.19	8.92	1.94	8.71
8,702.00	90.20	93.60	8,292.34	-118.01	666.88	280.97	7.13	-1.33	7.00
8,737.00	90.10	94.70	8,292.25	-120.54	701.78	292.15	3.16	-0.29	3.14
8,766.00	90.30	95.00	8,292.15	-123.00	730.68	301.75	1.24	0.69	1.03
8,797.00	91.10	95.30	8,291.77	-125.78	761.55	312.16	2.76	2.58	0.97
8,829.00	91.50	95.30	8,291.04	-128.73	793.41	322.98	1.25	1.25	0.00
8,860.00	89.90	95.70	8,290.66	-131.71	824.26	333.57	5.32	-5.16	1.29
8,891.00	89.90	95.90	8,290.72	-134.84	855.10	344.31	0.65	0.00	0.65
8,922.00	89.60	95.50	8,290.85	-137.92	885.95	355.00	1.61	-0.97	-1.29
8,953.00	88.70	94.80	8,291.31	-140.70	916.82	365.42	3.68	-2.90	-2.26
8,985.00	88.50	94.80	8,292.09	-143.38	948.70	375.98	0.63	-0.63	0.00
9,015.00	88.00	95.60	8,293.01	-146.09	978.56	386.07	3.14	-1.67	2.67
9,046.00	87.40	97.20	8,294.25	-149.55	1,009.34	397.11	5.51	-1.94	5.16
9,077.00	87.30	98.30	8,295.69	-153.72	1,040.02	408.82	3.56	-0.32	3.55
9,108.00	87.50	98.20	8,297.09	-158.17	1,070.67	420.79	0.72	0.65	-0.32
9,138.00	88.90	97.10	8,298.04	-162.16	1,100.39	432.08	5.93	4.67	-3.67
9,169.00	89.10	97.40	8,298.58	-166.07	1,131.14	443.55	1.16	0.65	0.97
9,200.00	89.00	97.60	8,299.09	-170.11	1,161.87	455.15	0.72	-0.32	0.65
9,231.00	89.30	97.10	8,299.55	-174.08	1,192.61	466.68	1.88	0.97	-1.61
9,262.00	89.50	97.60	8,299.87	-178.05	1,223.35	478.20	1.74	0.65	1.61
9,293.00	89.10	98.20	8,300.25	-182.31	1,254.06	490.00	2.33	-1.29	1.94
9,324.00	89.60	97.00	8,300.61	-186.41	1,284.78	501.65	4.19	1.61	-3.87
9,355.00	89.40	97.80	8,300.88	-190.40	1,315.52	513.20	2.66	-0.65	2.58
9,387.00	89.70	98.00	8,301.13	-194.80	1,347.22	525.38	1.13	0.94	0.63
9,418.00	89.80	98.10	8,301.26	-199.14	1,377.91	537.26	0.46	0.32	0.32
9,448.00	90.60	96.40	8,301.16	-202.92	1,407.67	548.37	6.26	2.67	-5.67
9,479.00	88.60	97.30	8,301.37	-206.62	1,438.45	559.64	7.07	-6.45	2.90
9,510.00	88.70	96.20	8,302.10	-210.26	1,469.22	570.86	3.56	0.32	-3.55
9,542.00	88.40	97.50	8,302.91	-214.08	1,500.98	582.49	4.17	-0.94	4.06
9,574.00	88.90	96.60	8,303.67	-218.00	1,532.73	594.23	3.22	1.56	-2.81
9,605.00	88.70	96.10	8,304.32	-221.43	1,563.53	605.25	1.74	-0.65	-1.61
9,636.00	88.10	96.60	8,305.18	-224.86	1,594.33	616.27	2.52	-1.94	1.61
9,667.00	88.40	96.30	8,306.13	-228.34	1,625.12	627.33	1.37	0.97	-0.97
9,698.00	88.10	96.30	8,307.08	-231.74	1,655.92	638.32	0.97	-0.97	0.00

Black Viper Energy

Survey Report

Company:	BEPCO, L.P.	Local Co-ordinate Reference:	Well Poker Lake Unit #263H
Project:	Eddy Co. New Mexico (Nad 27)	TVD Reference:	KB Elevation @ 3235 00ft (KB Elevation)
Site:	Poker Lake Unit #263H	MD Reference:	KB Elevation @ 3235 00ft (KB Elevation)
Well:	Poker Lake Unit #263H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	Lateral #1	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)	
9,729.00	88.70	96.10	8,307.94	-235.09	1,686.73	649.27	2.04	1.94	-0.65	
9,760.00	88.20	96.50	8,308.78	-238.49	1,717.53	660.26	2.07	-1.61	1.29	
9,791.00	88.50	95.90	8,309.67	-241.83	1,748.33	671.20	2.16	0.97	-1.94	
9,822.00	88.50	95.50	8,310.48	-244.91	1,779.17	681.89	1.29	0.00	-1.29	
9,853.00	88.30	95.20	8,311.35	-247.80	1,810.02	692.40	1.16	-0.65	-0.97	
9,885.00	88.70	95.30	8,312.19	-250.73	1,841.88	703.19	1.29	1.25	0.31	
9,917.00	88.80	95.00	8,312.89	-253.60	1,873.74	713.94	0.99	0.31	-0.94	
9,948.00	88.70	94.10	8,313.56	-256.06	1,904.63	724.04	2.92	-0.32	-2.90	
9,979.00	88.70	94.50	8,314.27	-258.38	1,935.54	734.02	1.29	0.00	1.29	
10,011.00	88.60	94.30	8,315.02	-260.84	1,967.44	744.37	0.70	-0.31	-0.63	
10,043.00	88.40	93.70	8,315.86	-263.07	1,999.35	754.51	1.98	-0.63	-1.88	
10,074.00	88.10	93.50	8,316.80	-265.01	2,030.27	764.12	1.16	-0.97	-0.65	
10,105.00	88.00	93.40	8,317.86	-266.88	2,061.20	773.66	0.46	-0.32	-0.32	
10,136.00	87.70	93.10	8,319.02	-268.63	2,092.13	783.09	1.37	-0.97	-0.97	
10,168.00	87.60	92.40	8,320.33	-270.17	2,124.06	792.56	2.21	-0.31	-2.19	
10,199.00	88.40	92.60	8,321.42	-271.52	2,155.01	801.60	2.66	2.58	0.65	
10,230.00	88.90	92.70	8,322.15	-272.95	2,185.97	810.73	1.64	1.61	0.32	
10,261.00	88.50	93.70	8,322.85	-274.68	2,216.91	820.14	3.47	-1.29	3.23	
10,292.00	88.60	93.30	8,323.63	-276.57	2,247.85	829.70	1.33	0.32	-1.29	
10,323.00	88.40	93.40	8,324.45	-278.39	2,278.78	839.19	0.72	-0.65	0.32	
10,354.00	88.00	95.10	8,325.42	-280.68	2,309.68	849.14	5.63	-1.29	5.48	
10,385.00	88.20	95.30	8,326.45	-283.49	2,340.54	859.57	0.91	0.65	0.65	
10,416.00	88.20	95.30	8,327.42	-286.35	2,371.39	870.05	0.00	0.00	0.00	
10,447.00	88.20	95.30	8,328.39	-289.21	2,402.24	880.54	0.00	0.00	0.00	
10,478.00	88.80	94.80	8,329.21	-291.94	2,433.11	890.89	2.52	1.94	-1.61	
10,509.00	89.30	94.50	8,329.72	-294.45	2,464.00	901.05	1.88	1.61	-0.97	
10,540.00	89.60	94.50	8,330.02	-296.89	2,494.91	911.13	0.97	0.97	0.00	
10,571.00	89.80	94.50	8,330.18	-299.32	2,525.81	921.21	0.65	0.65	0.00	
10,603.00	89.80	94.40	8,330.29	-301.80	2,557.71	931.59	0.31	0.00	-0.31	
10,635.00	89.60	94.40	8,330.46	-304.26	2,589.62	941.94	0.63	-0.63	0.00	
10,666.00	89.80	94.50	8,330.62	-306.66	2,620.53	952.00	0.72	0.65	0.32	
10,697.00	89.80	93.80	8,330.73	-308.90	2,651.44	961.90	2.26	0.00	-2.26	
10,728.00	89.90	94.30	8,330.81	-311.09	2,682.37	971.75	1.64	0.32	1.61	
10,759.00	90.20	94.10	8,330.78	-313.36	2,713.28	981.67	1.16	0.97	-0.65	
10,790.00	90.30	94.00	8,330.65	-315.55	2,744.20	991.52	0.46	0.32	-0.32	
10,821.00	89.40	93.30	8,330.73	-317.53	2,775.14	1,001.17	3.68	-2.90	-2.26	
10,852.00	89.10	93.80	8,331.14	-319.45	2,806.08	1,010.76	1.88	-0.97	1.61	
10,883.00	89.60	93.30	8,331.49	-321.37	2,837.02	1,020.35	2.28	1.61	-1.61	
10,914.00	89.80	94.10	8,331.65	-323.37	2,867.95	1,030.02	2.66	0.65	2.58	
10,946.00	90.00	93.80	8,331.71	-325.57	2,899.88	1,040.14	1.13	0.63	-0.94	
10,976.00	89.80	93.10	8,331.76	-327.38	2,929.82	1,049.37	2.43	-0.67	-2.33	
11,007.00	89.20	93.00	8,332.03	-329.03	2,960.78	1,058.71	1.96	-1.94	-0.32	
11,038.00	88.30	93.30	8,332.70	-330.73	2,991.72	1,068.09	3.06	-2.90	0.97	
11,069.00	88.30	93.90	8,333.62	-332.67	3,022.65	1,077.71	1.93	0.00	1.94	
11,100.00	88.50	93.20	8,334.49	-334.59	3,053.57	1,087.29	2.35	0.65	-2.26	
11,131.00	88.40	93.80	8,335.33	-336.48	3,084.51	1,096.86	1.96	-0.32	1.94	
11,162.00	88.80	93.00	8,336.09	-338.32	3,115.44	1,106.37	2.88	1.29	-2.58	
11,193.00	89.00	93.10	8,336.68	-339.97	3,146.39	1,115.70	0.72	0.65	0.32	
11,224.00	89.10	92.80	8,337.19	-341.57	3,177.35	1,124.99	1.02	0.32	-0.97	
11,254.00	89.00	93.10	8,337.69	-343.11	3,207.30	1,133.97	1.05	-0.33	1.00	
11,285.00	88.30	93.70	8,338.42	-344.95	3,238.24	1,143.48	2.97	-2.26	1.94	
11,316.00	88.00	94.10	8,339.42	-347.06	3,269.15	1,153.25	1.61	-0.97	1.29	
11,347.00	88.10	94.00	8,340.48	-349.24	3,300.06	1,163.09	0.46	0.32	-0.32	
11,378.00	88.20	93.90	8,341.48	-351.38	3,330.97	1,172.89	0.46	0.32	-0.32	
11,409.00	88.40	93.90	8,342.40	-353.49	3,361.88	1,182.66	0.65	0.65	0.00	

Black Viper Energy

Survey Report

Company: BEPCO, L.P.
 Project: Eddy Co. New Mexico (Nad 27)
 Site: Poker Lake Unit #263H
 Well: Poker Lake Unit #263H
 Wellbore: Lateral #1
 Design: Lateral #1

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

Well Poker Lake Unit #263H
 KB Elevation @ 3235 00ft (KB Elevation)
 KB Elevation @ 3235 00ft (KB Elevation)
 Grid
 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)
11,440.00	88.40	94 40	8,343.26	-355.73	3,392.79	1,192.55	1 61	0.00	1 61
11,471.00	87 60	94 90	8,344.35	-358.24	3,423.67	1,202.70	3 04	-2 58	1 61
11,502.00	87 30	94 90	8,345.73	-360.89	3,454.52	1,212.98	0 97	-0 97	0 00
11,533.00	88 30	95 20	8,346.92	-363.61	3,485.38	1,223.33	3 37	3 23	0.97
11,564.00	88.90	95 10	8,347.67	-366.39	3,516.24	1,233.74	1 96	1 94	-0 32
11,595.00	88 60	94 70	8,348.35	-369.04	3,547.12	1,244.02	1 61	-0 97	-1.29
11,626.00	88 30	94 50	8,349.19	-371.53	3,578.01	1,254.15	1 16	-0 97	-0 65
11,657.00	88 10	94 30	8,350.16	-373.90	3,608.91	1,264.18	0 91	-0 65	-0 65
11,688.00	87 70	94 30	8,351.30	-376.23	3,639.80	1,274.15	1 29	-1 29	0 00
11,719.00	87.70	94 30	8,352.54	-378.55	3,670.69	1,284.12	0 00	0 00	0 00
11,750.00	87 10	95 30	8,353.95	-381.14	3,701.54	1,294.34	3 76	-1 94	3 23
11,781.00	87 30	95 30	8,355.46	-384.00	3,732.37	1,304.82	0 65	0 65	0 00
11,812.00	87 50	94 50	8,356.87	-386.65	3,763.23	1,315.09	2 66	0 65	-2 58
11,844.00	87 50	95 30	8,358.26	-389.38	3,795.08	1,325.70	2 50	0 00	2 50
11,875.00	87.90	94 70	8,359.51	-392.08	3,825.94	1,336.03	2 32	1 29	-1 94
11,906.00	88 10	94.90	8,360.59	-394.67	3,856.81	1,346.25	0 91	0 65	0 65
11,937.00	88.10	95 20	8,361.62	-397.40	3,887.67	1,356.61	0.97	0 00	0 97
11,969.00	88 30	94.70	8,362.62	-400.16	3,919.54	1,367.25	1 68	0 63	-1 56
11,999.00	88 20	94 50	8,363.54	-402.56	3,949.43	1,377.05	0 75	-0 33	-0 67
12,031.00	88 20	94 90	8,364.54	-405.18	3,981.30	1,387.55	1 25	0 00	1 25
12,062.00	88 00	94 90	8,365.57	-407.83	4,012.17	1,397.83	0 65	-0 65	0 00
12,093.00	88.40	94 20	8,366.55	-410.29	4,043.06	1,407.93	2 60	1 29	-2.26
12,124.00	88 50	94 20	8,367.38	-412.55	4,073.97	1,417.86	0 32	0 32	0 00
12,155.00	88 80	94 20	8,368.11	-414.82	4,104.87	1,427.78	0 97	0 97	0 00
12,186.00	89 00	94 50	8,368.71	-417.18	4,135.78	1,437.78	1 16	0 65	0 97
12,217.00	89 20	94 50	8,369.20	-419.61	4,166.68	1,447.86	0 65	0 65	0 00
12,233.00	89.30	94 70	8,369.41	-420.89	4,182.63	1,453.09	1 40	0 63	1 25
Last MWD Survey									
12,292.00	89.30	94 70	8,370.13	-425.72	4,241.42	1,472.47	0 00	0 00	0 00
Proj to Bit									

Black Viper Energy

Survey Report

Company:	BEPCO, L.P.	Local Co-ordinate Reference:	Well Poker Lake Unit #263H
Project:	Eddy Co. New Mexico (Nad 27)	TVD Reference:	KB Elevation @ 3235.00ft (KB Elevation)
Site:	Poker Lake Unit #263H	MD Reference:	KB Elevation @ 3235.00ft (KB Elevation)
Well:	Poker Lake Unit #263H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	Lateral #1	Database:	EDM 2003.14 Server Db

Targets

Target Name	hit/miss target	Dip Angle	Dip Dir	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Shape		(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
HL[PLU#263H]		0 00	0 00	-1 00	0 00	0 00	454,406 53	625,660.15	32° 14' 55 047 N	103° 55' 36.754 W
- survey misses by 7699 78ft at 7700 00ft MD (7697 86 TVD, -115 98 N, 27 54 E) - Rectangle (sides W672 50 H4,712.00 D0 00)										
PBHL#1b[PLU#263H]		0.00	0 00	8,349 00	-434 36	4,226 19	453,972 17	629,886 34	32° 14' 50 588 N	103° 54' 47 562 W
- survey misses by 23 15ft at 12277 27ft MD (8369.95 TVD, -424 52 N, 4226 74 E) - Point										
PBHL#1[PLU#263H]		0 00	0 00	8,330 00	-434 36	4,226 19	453,972 17	629,886 33	32° 14' 50 588 N	103° 54' 47.562 W
- survey misses by 41 14ft at 12277 03ft MD (8369 94 TVD, -424 50 N, 4226 51 E) - Point										
LL[PLU#263H]		0 00	0 00	-1.00	0 00	0 00	454,406 53	625,660 15	32° 14' 55 047 N	103° 55' 36 754 W
- survey misses by 7699 78ft at 7700.00ft MD (7697 86 TVD, -115 98 N, 27 54 E) - Rectangle (sides W1,324 30 H5,377 20 D0 00)										
PBHL#2[PLU#263H]		0 00	0 00	8,368 00	-434 36	4,226 19	453,972 17	629,886 34	32° 14' 50 588 N	103° 54' 47 562 W
- survey misses by 10 05ft at 12277 50ft MD (8369 95 TVD, -424 54 N, 4226 97 E) - Point										

Survey Annotations

Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
7,743.00	7,740 85	-116 32	27 66	First MWD Survey
12,233.00	8,369 41	-420 89	4,182 63	Last MWD Survey
12,292 00	8,370 13	-425 72	4,241 42	Proj to Bit

Checked By: _____ Approved By: _____ Date: _____