

365

BEPCO, L.P.  
201 MAIN ST  
FORT WORTH, TEXAS 76102-3131  
817/390-8400

RECEIVED  
2008 AUG 4 PM 2 05

July 31, 2008

**FEDERAL EXPRESS**

Bureau of Land Management  
Roswell District Office  
620 E. Greene Street,  
Carlsbad, Mexico 88201  
Attn: Mr. Wesley Ingram

New Mexico State Land Office  
Commissioner of Public Lands  
310 Old Santa Fe Trail  
Santa Fe, New Mexico 87501  
Attention: Mr. Pete Martinez

New Mexico Oil Conservation Division  
1220 St. Francis  
Santa Fe, New Mexico 87505  
Attention: William Jones

Re: Commercial Determination  
Big Eddy Unit #158  
Morrow Formation  
Eddy County, New Mexico

Gentlemen:

Please find attached hereto one (1) copy of Bass' commercial determination worksheets and exhibits which indicate that the subject well is a commercial well in the Morrow Formation. Please indicate your concurrence to the above Commercial Determination. Upon your execution hereof, Bass will submit a participating area for the well.

Thank you very much and should you have any questions or comments in regard to the attached commercial determination, please do not hesitate to contact the undersigned.

Very truly yours,



Brad Glasscock

Bureau of Land Management

New Mexico State Land Office

New Mexico Oil Conservation Division

By: \_\_\_\_\_

By: \_\_\_\_\_

By: \_\_\_\_\_

Its: \_\_\_\_\_

Its: \_\_\_\_\_

Its: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

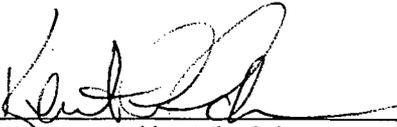
INTER-OFFICE MEMORANDUM  
MIDLAND OFFICE

June 12, 2008

TO: FORT WORTH, FILES  
FOR: FRANK McCREIGHT  
FROM: KENT A. ADAMS  
RE: COMMERCIAL DETERMINATION  
BIG EDDY UNIT NO. 158  
INDIAN FLATS, SW (MORROW)  
BIG EDDY UNIT  
EDDY COUNTY, NEW MEXICO  
FILE: 400-WF, BEU158CD.XLS

Attached are the worksheets and necessary attachments for the subject well to be submitted for commercial determination. The Big Eddy Unit #158 was drilled in 2007 to a TD of 12,650 and was completed in the Morrow. The well is producing from perforations 12,098-12,249'.

The Big Eddy Unit No. 158 will be a commercial well and should receive a participating area. If additional information is required, please advise.

  
\_\_\_\_\_  
Kent A. Adams

xc: Ross Sutton  
George Hillis

*cdp*  
cdp



Continued

## PERFORMANCE DATA

(If sufficient history exists, attach plot of oil production rate v time.)

CUMULATIVE PRODUCTION TO	<u>04/30/2008</u>	<u>468,201</u>	MCF Gas	<u>710</u>	BBL Oil
INITIAL RATE (qi)		<u>3,110</u>			
ECONOMIC LIMIT (ql)		<u>77</u>			
HYPERBOLIC DECLINE RATE, dy		<u>b = .5, d = 54.04</u>			
REMAINING GAS (Q) =		<u>1,947,881</u>			
ULTIMATE RECOVERABLE GAS (mcf)		<u>2,416,082</u>			

(Attach plat showing proration unit and participating area.)

## ECONOMIC

GROSS WELL COST \$ \$4,230,530 (to the depth of formation completed)COMPLETION COST \$ 971,936GROSS TOTAL COST \$ \$5,202,466

<u>YEAR</u>	<u>GROSS GAS MMCF</u>	<u>BFIT NET INCOME (\$M)</u>	<u>OPERATING COST (\$M) INCL SEV &amp; AD VAL TAX</u>	<u>5% NET BFIT DISCOUNTED CASH FLOW</u>
ZERO				
1	<u>426.1</u>	<u>2,448.2</u>	<u>362.15</u>	<u>-3,148.1</u>
2	<u>413.5</u>	<u>2,375.6</u>	<u>358.165</u>	<u>1,909.2</u>
3	<u>270.8</u>	<u>1,441.1</u>	<u>231.517</u>	<u>1,089.9</u>
4	<u>191.0</u>	<u>1,016.9</u>	<u>168.982</u>	<u>727.4</u>
5	<u>142.4</u>	<u>757.7</u>	<u>130.784</u>	<u>512.1</u>
6	<u>109.6</u>	<u>583.6</u>	<u>105.12</u>	<u>372.2</u>
7	<u>87.3</u>	<u>464.4</u>	<u>87.559</u>	<u>279.2</u>
8	<u>71.1</u>	<u>378.4</u>	<u>74.878</u>	<u>214.1</u>
9	<u>59.2</u>	<u>315.0</u>	<u>65.537</u>	<u>167.6</u>
10	<u>49.8</u>	<u>265.0</u>	<u>58.165</u>	<u>132.3</u>
REMAINDER	<u>127</u>	<u>676.7</u>	<u>167.052</u>	<u>294.3</u>
<b>TOTAL</b>	<b>1,948</b>	<b>10,722.7</b>	<b>1809.909</b>	<b>2,550.3</b>

WELL IS COMMERCIAL

# ECONOMIC PROJECTION

Date : 6/12/2008

Lior: 1189075

8:09:59AM

Project Name : RESERVEPROP Extract-Creating new PH  
 Partner : 99999  
 Case Type : LEASE CASE  
 Archive Set : CURRENT

As Of Date : 05/01/2008  
 Discount Rate (%) : 5.00  
 1189075/BIG EDDY UNIT/158/MOR

Lease Name : 1189075/BIG EDDY UNIT/158/MOR  
 Reserv Cat. : Proved Producing  
 Field : INDIAN FLATS MORROW SOUTHWES  
 Operator : BEPCO  
 Reservoir : MORROW  
 Co., State : EDDY, NM

Cum Oil (mbbls) : 0.71  
 Cum Gas (mmcf) : 468.20  
 Risk: 0.000 Inherited/ 0.000 Compounded

Year	Gross Wet Production		Gross Dry Gas & NGL		Sales		
	Oil (Mbbl)	Wet Gas (MMCF)	Dry Gas (MMCF)	NGL (MGal)	Oil (Mbbl)	Gas (MMCF)	NGL (MGal)
2008	0.000	426.131	426.131	0.000	0.000	360.028	0.000
2009	0.000	413.504	413.504	0.000	0.000	349.360	0.000
2010	0.000	270.753	270.753	0.000	0.000	228.753	0.000
2011	0.000	191.042	191.042	0.000	0.000	161.407	0.000
2012	0.000	142.354	142.354	0.000	0.000	120.271	0.000
2013	0.000	109.642	109.642	0.000	0.000	92.634	0.000
2014	0.000	87.257	87.257	0.000	0.000	73.721	0.000
2015	0.000	71.092	71.092	0.000	0.000	60.064	0.000
2016	0.000	59.187	59.187	0.000	0.000	50.006	0.000
2017	0.000	49.789	49.789	0.000	0.000	42.065	0.000

Rem	0.000	127.130	127.130	0.000	0.000	107.409	0.000
Total	0.000	1,947.881	1,947.881	0.000	0.000	1,645.718	0.000
Ult.	0.710	2,416.082					

Year	Average Price			Net Revenue			
	Oil \$/BBL	Gas \$/MCF	NGL \$/Gal	Oil (M\$)	Gas (M\$)	NGL (M\$)	Total (M\$)
2008	0.00	6.80	0.00	0.000	2,448.191	0.000	2,448.191
2009	0.00	6.80	0.00	0.000	2,375.648	0.000	2,375.648
2010	0.00	6.30	0.00	0.000	1,441.142	0.000	1,441.142
2011	0.00	6.30	0.00	0.000	1,016.862	0.000	1,016.862
2012	0.00	6.30	0.00	0.000	757.710	0.000	757.710
2013	0.00	6.30	0.00	0.000	583.592	0.000	583.592
2014	0.00	6.30	0.00	0.000	464.444	0.000	464.444
2015	0.00	6.30	0.00	0.000	378.405	0.000	378.405
2016	0.00	6.30	0.00	0.000	315.035	0.000	315.035
2017	0.00	6.30	0.00	0.000	265.013	0.000	265.013
Rem	0.00	6.30	0.00	0.000	676.679	0.000	676.679
Total	0.00	6.52	0.00	0.000	10,722.719	0.000	10,722.719

Year	Expenditures				Future Net Revenue			
	Total Sev Taxes (M\$)	Total Adv Taxes (M\$)	Net Investments (M\$)	Total Net Opcosts (M\$)	Annual (M\$)	Cumulative (M\$)	Disc. Ann. CF 5.00% (M\$)	Cum. Disc. CF 5.00% (M\$)
2008	200.507	4.896	5,202.466	156.747	-3,116.425	-3,116.425	-3,148.123	-3,148.123
2009	194.566	4.751	0.000	158.848	2,017.483	-1,098.942	1,909.239	-1,238.885
2010	118.030	2.882	0.000	110.605	1,209.625	110.683	1,089.867	-149.017
2011	83.281	2.034	0.000	83.667	847.880	958.564	727.409	578.392
2012	62.056	1.515	0.000	67.213	626.926	1,585.489	512.133	1,090.525
2013	47.796	1.167	0.000	56.157	478.471	2,063.960	372.187	1,462.711
2014	38.038	0.929	0.000	48.592	376.885	2,440.845	279.187	1,741.898
2015	30.991	0.757	0.000	43.130	303.527	2,744.371	214.128	1,956.027
2016	25.801	0.630	0.000	39.106	249.497	2,993.868	167.614	2,123.641
2017	21.705	0.530	0.000	35.930	206.848	3,200.716	132.333	2,255.974
Rem	55.420	1.353	0.000	110.279	509.626	509.626	294.344	294.344
Total	878.191	21.445	5,202.466	910.275	3,710.342	3,710.342	2,550.319	2,550.319

Major Phase : Gas  
 Perfs : 0 0  
 Initial Rate : 64.21 mmcf/month  
 Abandonment : 2.35 mmcf/month  
 Initial Decline : 47.33 % year b = 0.500  
 Beg Ratio : 0.00 bbl/mmcf  
 End Ratio : 0.00

Working Int : 1.00000000  
 Revenue Int : 0.84487636  
 Disc. Initial Invest. (m\$) : 5,202.466  
 Internal ROR (%) : 27.27  
 ROInvestment (disc/undisc) : 1.49 / 1.71  
 Years to Payout : 2.56  
 Abandonment Date : 07/13/2021

### Present Worth Profile (M\$)

5.00% :	2,550.32
9.00% :	1,854.41
10.00% :	1,704.26
12.00% :	1,427.47
15.00% :	1,062.67
20.00% :	560.02
30.00% :	-177.81
40.00% :	-695.82
50.00% :	-1,081.96
60.00% :	-1,382.60

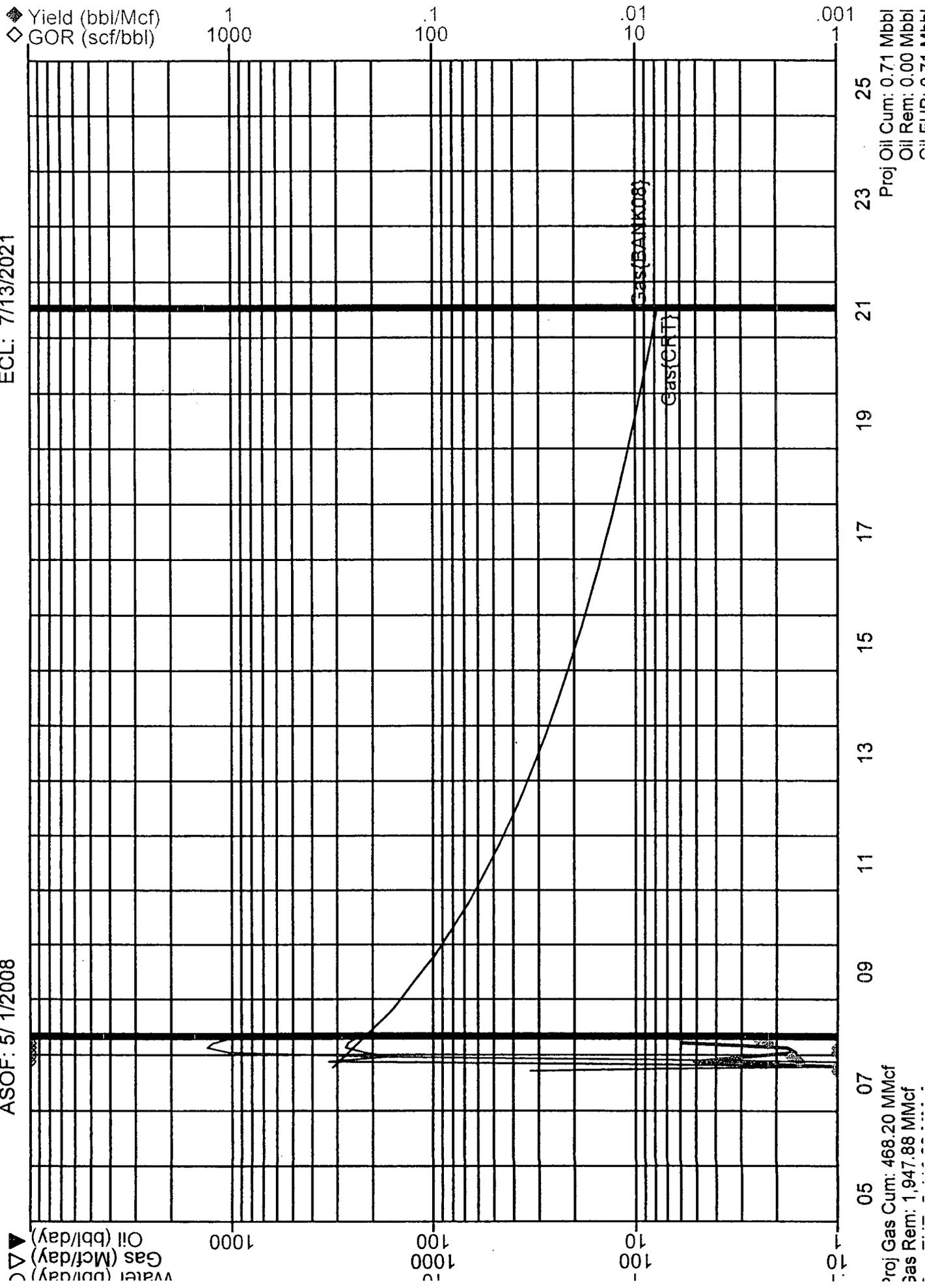
	Initial	1st Rev.	2nd Rev.
Working Interest :	1.00000000	0.00000000	0.00000000
Revenue Interest :	0.84487636	0.00000000	0.00000000
Rev. Date :			

Case Name: 1189075/BIG EDDY UNIT/158/MOR  
Major Phase: Gas

Field: INDIAN FLATS MORROW SOUTHWEST GAS  
WELL\_NO: 158

ASOF: 5/ 1/2008

ECL: 7/13/2021



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMLC 069140A

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

6. If Indian, Allottee or Tribe Name

2. Name of Operator  
BEPCO, L.P.

7. Unit or CA Agreement Name and no.  
NMNM68294X

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

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

8. Lease Name and Well No.  
BIG EDDY UNIT, 158

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At Surface NWSE 1830' FSL, 1980' FEL, LAT 32.419778 N, LONG -104.090111 W  
At top prod. interval reported below SAME

9. API Well No.  
30-015-35345

10. Field and Pool, or Exploratory  
UDGN. INDIAN FLATS, SW (MC

11. Sec., T., R., M., on Block and Survey or Area  
SEC 4, T22S, R28E

12. County or Parish  
EDDY

13. State  
NM

14. Date Spudded  
05/29/2007

15. Date T.D. Reached  
07/30/2007

16. Date Completed  
 D & A  Ready to Prod.  
09/11/2007

17. Elevations (DF, RKB, RT, GL)\*  
3165' GL

18. Total Depth: MD 12650'  
TVD

19. Plug Back T.D.: MD 12521'  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)  
PLATFORM EXP. THREE DECTOR LITHO-DENSITY/CN/GR  
PLATFORM EXP. HI-RES LATEROLOG ARRAY/MCFL/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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17-1/2"	13-3/8"	54.5#	0'	524'		990 SXS		0' TOP OUT	
12-1/4"	9-5/8"	40#	0'	6165'		1870 SXS		0' CIRC.	
8-3/8"	5-1/2"	17#	0'	12650'	7999'	1000 STG 1		8000'	
						725 STG 2		5890' 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"	11843'	11819'						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MORROW	11854'	12249'	11854-12020'	0.380	91	Producing
B)			12098-12187'	0.380	29	SI beneath pkr. w/ disk
C)			12226-12249'	0.380	34	SI beneath pkr. w/disk
D)						

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

Depth Interval	Amount and Type of Material
12098-12249'	BINARY FRAC W/84592 GALLONS 40# LINEAR 70Q CO2 FOAM AND 83100 LBS 18/40 ULTRAPROP

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/11/07	09/18/07	24	→	0	1251	0			FLOWING
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
11/64"	SI 3550	0	→	0	1251	0		PRODUCING	

Production - Interval B

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

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	NOT PRESENT
				T/SALT	555'
				T/LAMAR LIME	2550'
				T/DELAWARE SAND	2630'
				T/BONE SPRING LIME	5979'
				T/WOLFCAMP	9472'
				T/STRAWN	10752'
				T/ATOKA	11130'
				T/MORROW	11664'

32. Additional remarks (include plugging procedure):

\* 70 CUBIC YARDS OF PEA GRAVEL AND 450 SXS CMT WERE USED IN TOP OUT TO SURFACE.

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

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

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

Name (please print) ANN MOORE

Title PRODUCTION CLERK

Signature

*Ann Moore*

Date 09/27/2007

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

Dr., Hobbs, NM 88240

II

4 Avenue, Artesia, NM 88210

JT III

3 Brazos Rd., Artec, NM 87410

RICT IV

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 30-015-35345	Pool Code 79100	Pool Name UNDESIGNATED INDIAN FLATS, SW (MORROW)
Property Code 001775	Property Name BIG EDDY UNIT	Well Number 158
OGRID No. 001801	Operator Name BEPCO, L.P.	Elevation 3163'

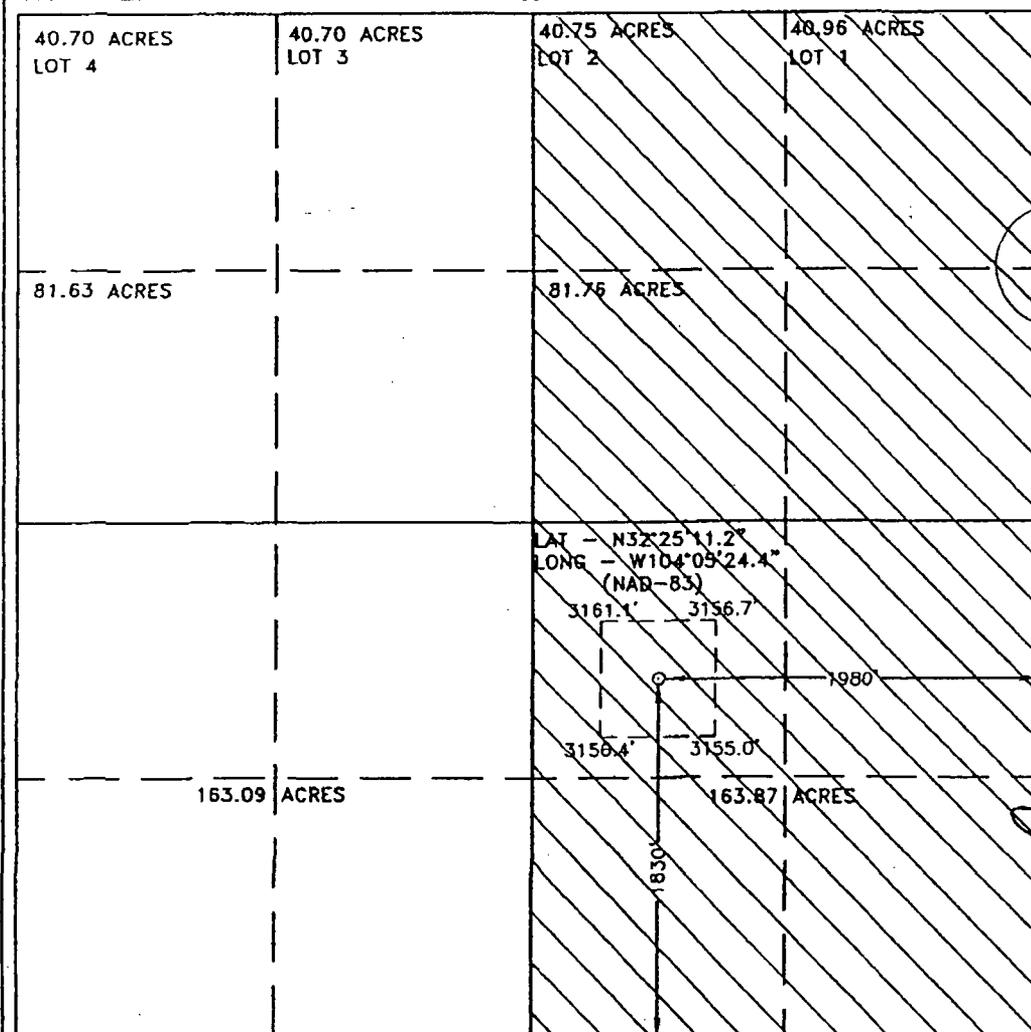
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	4	22 S	28 E		1830	SOUTH	1980	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
Dedicated Acres 320	Joint or Infill N	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



**OPERATOR CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or released 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: *[Signature]* Date: 12/1/06

Printed Name: STEPHEN M. MARTINEZ

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**SURVEYOR CERTIFICATION**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

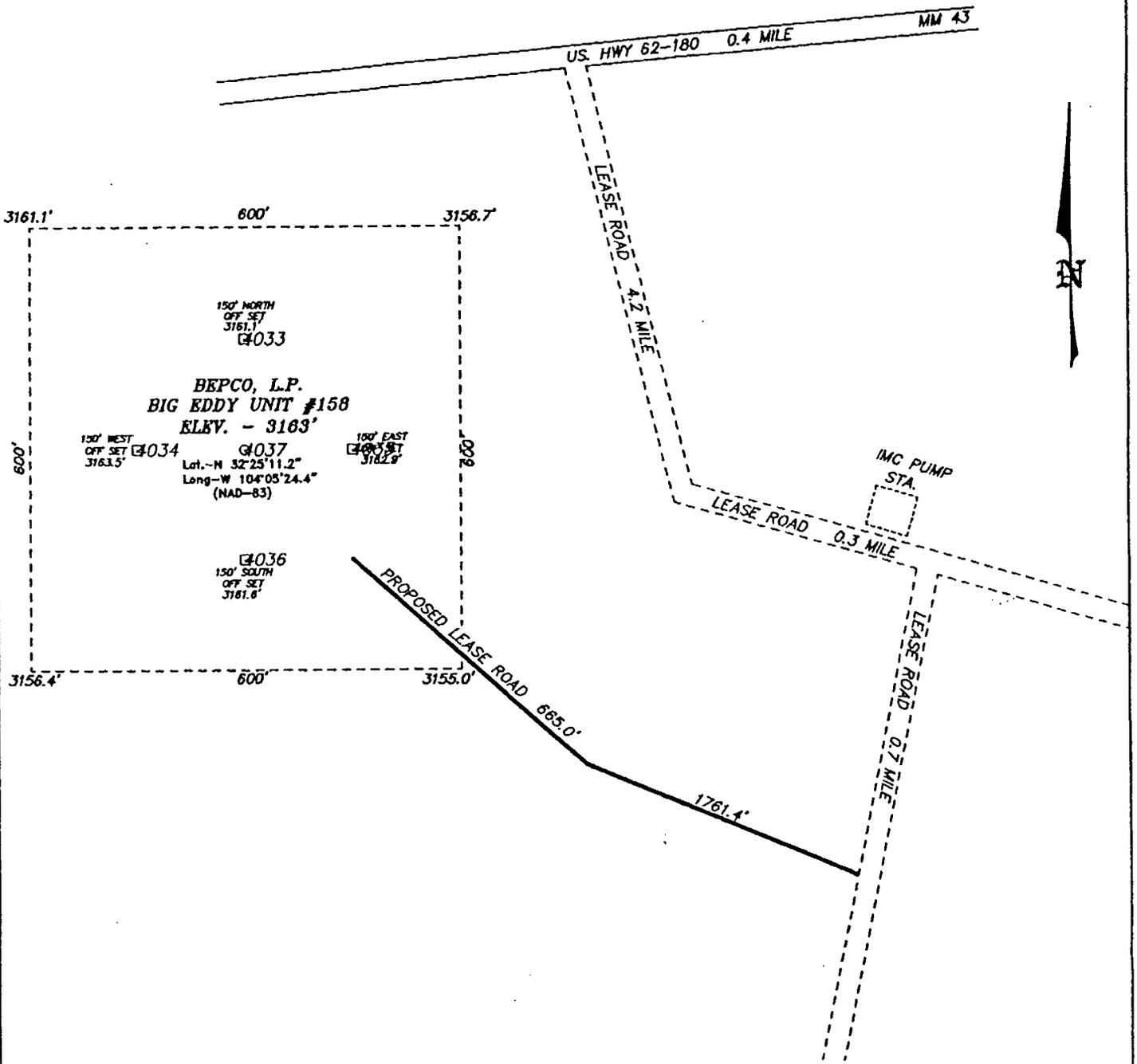
Date Surveyed: OCTOBER 10, 2006

Signature of Registered Professional Surveyor: *[Signature]*

Professional Surveyor Seal: NEW MEXICO, W.O. No. 17797

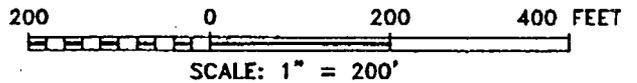
Client File No. Gary Jones 7977

SECTION 4, TOWNSHIP 22 SOUTH, RANGE 28 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO.



**DIRECTIONS TO LOCATION:**

FROM MILE MARKER #43 ON US. HWY 62-180,  
PROCEED WEST 0.4 MILE TO LEASE ROAD (SIGN FOR  
BASS), ON LEASE ROAD PROCEED SOUTH 4.2 MILE;  
THENCE 0.3 MILE EAST PAST IMC BOOSTER; THENCE  
0.7 MILE SOUTHWEST TO PROPOSED LEASE ROAD.



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

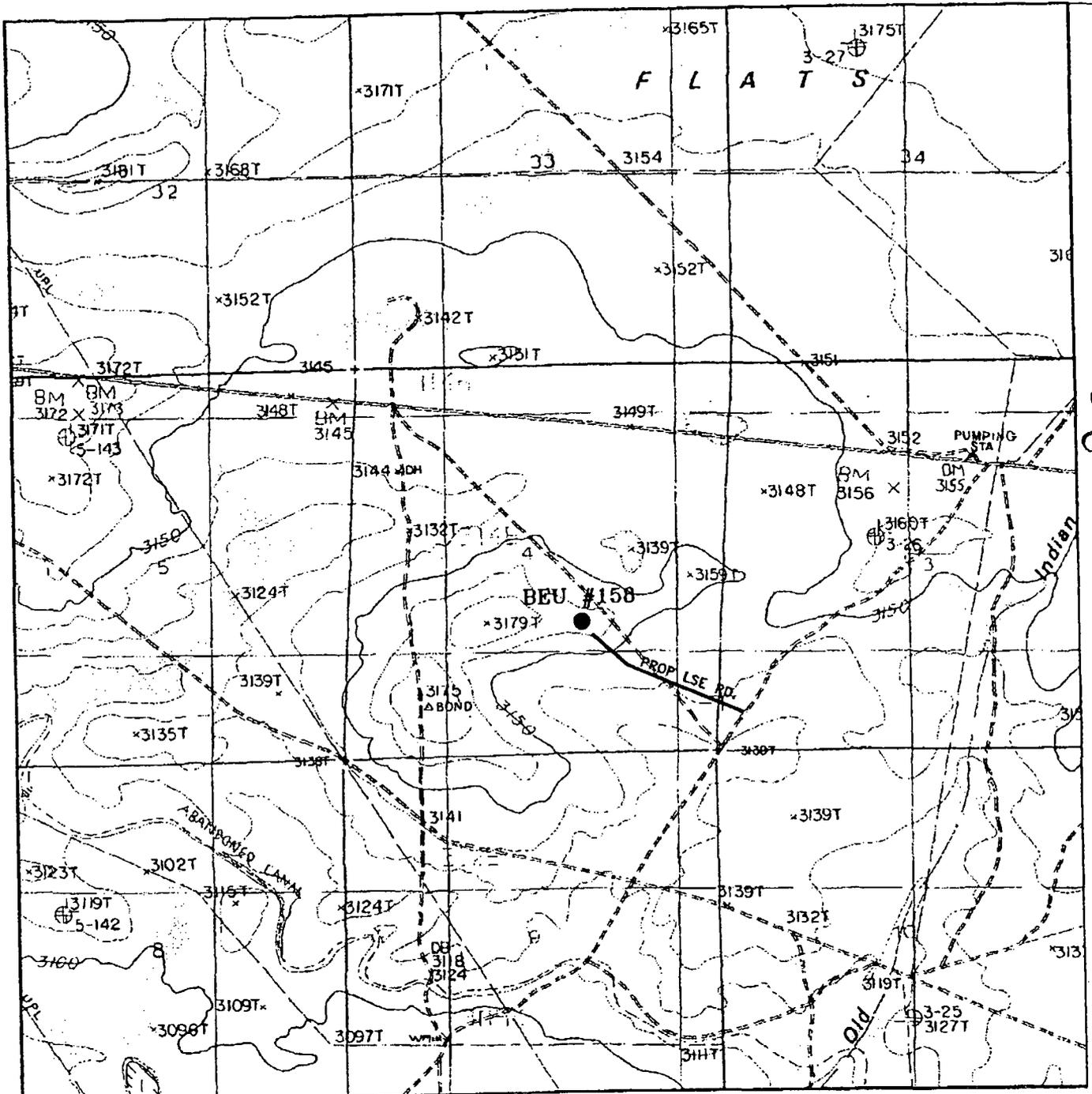
W.O. Number: 17350      Drawn By: J. SMALL  
Date: 10-12-2006      Disk: JMS 17350W

**BEPCO, L.P.**

REF: BIG EDDY UNIT #158 / WELL PAD AND TOPO

THE BIG EDDY UNIT No. 158 LOCATED 1830' FROM  
THE SOUTH LINE AND 1980' FROM THE EAST LINE OF  
SECTION 4, TOWNSHIP 22 SOUTH, RANGE 28 EAST,  
N.M.P.M., EDDY COUNTY, NEW MEXICO.

Survey Date: 10-10-2006      Sheet 1 of 1 Sheets



**BIG EDDY UNIT #158**  
 Located at 1830' FSL and 1980' FEL  
 Section 4, Township 22 South, Range 28 East,  
 N.M.P.M., Eddy County, New Mexico.

**basin surveys**

focused on excellence  
in the oilfield

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

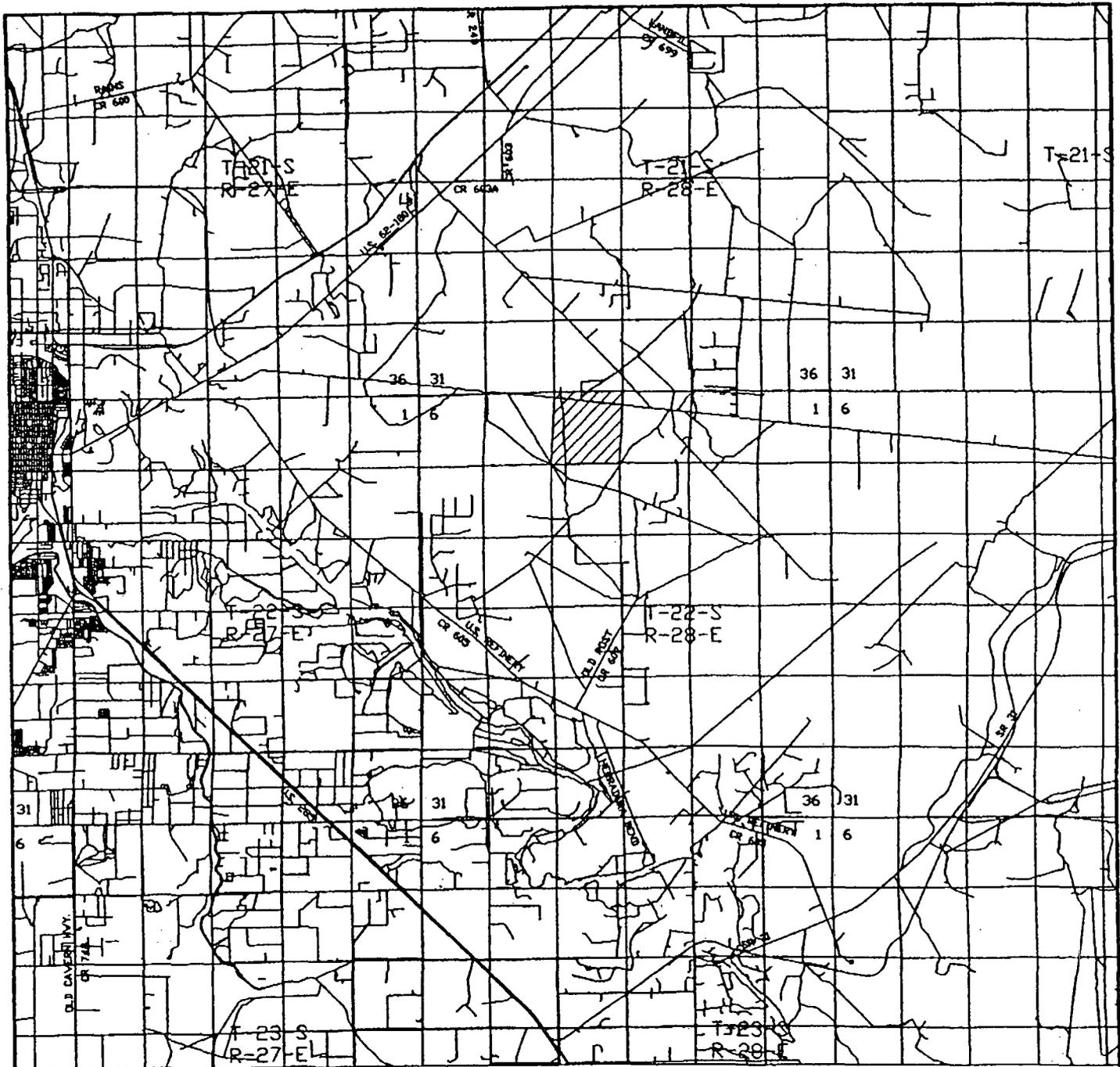
W.O. Number: JMS 17350T

Survey Date: 10-10-2006

Scale: 1" = 2000'

Date: 10-12-2006

**BEPCO, L.P.**



**BIG EDDY UNIT #158**  
 Located at 1830' FSL and 1980' FEL  
 Section 4, Township 22 South, Range 28 East,  
 N.M.P.M., Eddy County, New Mexico.

**basin surveys**  
 focused on excellence  
 in the oilfield

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

W.O. Number: JMS 17350T

Survey Date: 10-10-2006

Scale: 1" = 2 MILES

Date: 10-12-2006

**BEPCO, L.P.**

# CURRENT WELLBORE DIAGRAM

Lease: **Big Eddy Unit** Well No.: **158**  
 Field: **Indian Flats, S.W. (Morrow)**  
 Location: **1830' FSL & 1980' FEL, Sec 4-T22S-R28E**  
 County: **Eddy** St: **NM** API: **30-015-35345**

KB: 3187.03  
 GL: 3164.83  
 Spud Date: 5/29/2007  
 Compl. Date:

**Surface Csg.**

Size: 13 3/8  
 Wt: 54.5#  
 Grd. J55 STC  
 Set @: 524'  
 Sxs cmt: 540 Prem +  
 Top out w/ 450 sxs  
 Circ: N  
 TOC: Surf  
 Hole Size: 17 1/2 to 525'

**Intermediate Csg.**

Size: 9 5/8  
 Wt: 40#  
 Grd P-110 LTC  
 Set @: 6165'  
 Sxs Cmt: 1870 sxs  
 Circ: Yes 396 sks  
 TOC: Surface  
 Hole Size: 12 1/4 6175'

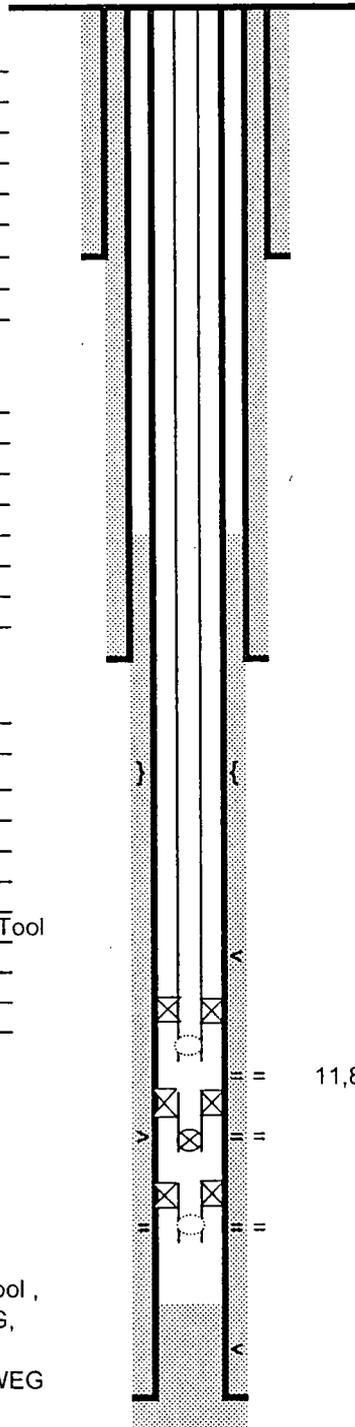
**Production Csg.**

Size: 5-1/2"  
 Wt: 17#  
 Grd HCP-110 LTC  
 Set @: 12650'  
 Stage 1: 1000 sxs  
 Circ: Y 75 sxs  
 TOC: 8000  
 Stage 2: 725 sxs Thru DV Tool  
 Circ: N  
 TOC: 5890' BTS  
 Hole Size: 8-3/4"

1' Marker Jt (by GR CCL 8/29/07) 12009'

**Tubing**

374 Jts 2.875, 6.5#, L80 Tubing  
 1 Jt, 3 Subs, 366 Jts, SN, 1 Jt, On/Tool ,  
 Pkr, Sub, SN, Sub, Disk Sub w/ WEG,  
 Pkr, Sub, SN, Sub, Disk Sub,  
 Pkr, Sub, Prof N, Sub, Disk Sub w/ WEG



22.2 KB (AGL)  
 X: 575193.6  
 Y: 516471.7  
 Lat: N-32.419778°  
 Long: W-104.090111°  
 524' 13 3/8 Csg  
 5890' TOC BTS  
 6165' 9-5/8" (by Csg Detail) 6160' by OH Logs  
 6175' Driller's TD 12 1/4"  
 7999' DV Tool (by GR CCL 8/29/07)  
 10910' 1' Marker Jt (by GR CCL 8/29/07)  
 11841' Pkr w/ Glass Disk removed (9/7/07)  
 11,854'-12,020' U Morr 91 Holes (9/6/07)  
 12064' Pkr w/ Glass Disk in place (9/5/07)  
 12098'-187' M Morr 29 Holes (8/29/07)  
 12198' Pkr w/ Glass Disk removed (9/5/07)  
 12226-249' M Morr 34 Holes (8/29/07)  
 12521' PBTD (by GR CCL 8/29/07)  
 12553' Float Collar (by Csg Detail)  
 12650' 5-1/2" (by Csg Detail)  
 12655' Loggers TD (Open Hole)

PBTD: 12521' (by GR CCL 8/29/07)  
 TD: 12650' (Drillers TD)  
 TD: 12655' (Loggers TD)

Updated: 9/27/2007  
 Author: ezg  
 Engr: RSD