

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

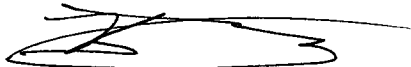
Re: Commercial Determination
Big Eddy Unit #158
Morrow Formation
Eddy County, New Mexico

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

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

WELL _____ BIG EDDY UNIT # 158 _____ FORMATION _____ MORROW _____
 LOCATION _____ J _____ UNIT, _____ 1830 _____ FEET FROM SOUTH LINE & _____ 1980 _____ FEET FROM EAST LINE
 SECTION _____ 4 _____ TOWNSHIP _____ 22S _____ RANGE _____ 28E _____ COUNTY _____ EDDY _____, NEW MEXICO
 SPUD DATE _____ 5/29/2007 _____ COMPLETION DATE _____ 09/11/2007 _____ INITIAL PRODUCTION _____ 09/11/2007 _____
 PERFORATIONS _____ 11,854-12,020' _____
 _____ 12,098-12,187', 12,226-12,249' (SI BENEATH PKR W/ DISK) _____

STIMULATION:

ACID _____ 11,854-12,020' Acidize w/ 3000 gal 15% HCL acid w/ additives _____

FRACTURE _____ 12,098-12,249' Binary frac w/ 84,592 gal 40# linear 70Q CO2 foam, 83,100# 18/40 ultra prop _____

POTENTIAL _____ (09/11/2007): 0 BOPD, 1251 MCFPD, 0 BWPD 11/64" ck _____

(Attach Copy of C-105. Attach Copy of Wellbore Sketch of Completed Well.)

VOLUMETRIC CALCULATION

	SANDS PERFORATED		SANDS NOT PERFORATED BUT POTENTIALLY PRODUCTIVE	
Area (A) proration unit size, acres	320	_____	_____	_____
Porosity (por), %	12%	_____	_____	_____
Water saturation (Sw), %	33%	_____	_____	_____
Net Thickness (h), ft.	50	_____	_____	_____
Temperature (T), Fahrenheit	170	_____	_____	_____
Bottom Hole pressure (P), psia	5,097	_____	_____	_____
Recovery factor (RF), %	75%	_____	_____	_____
Recoverable gas, BCF *(See eq. below)	2.2	_____	_____	_____

*Sometimes unable to match performance due to volumetric uncertainty.

Formula = $(7758) (A) (h) (por) (1-Sw)(RF)/Bgi$

Bgi = 0.61 RB/MCF

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 & 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>
TOTAL	<u>1,948</u>	<u>10,722.7</u>	<u>1809.909</u>	<u>2,550.3</u>

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

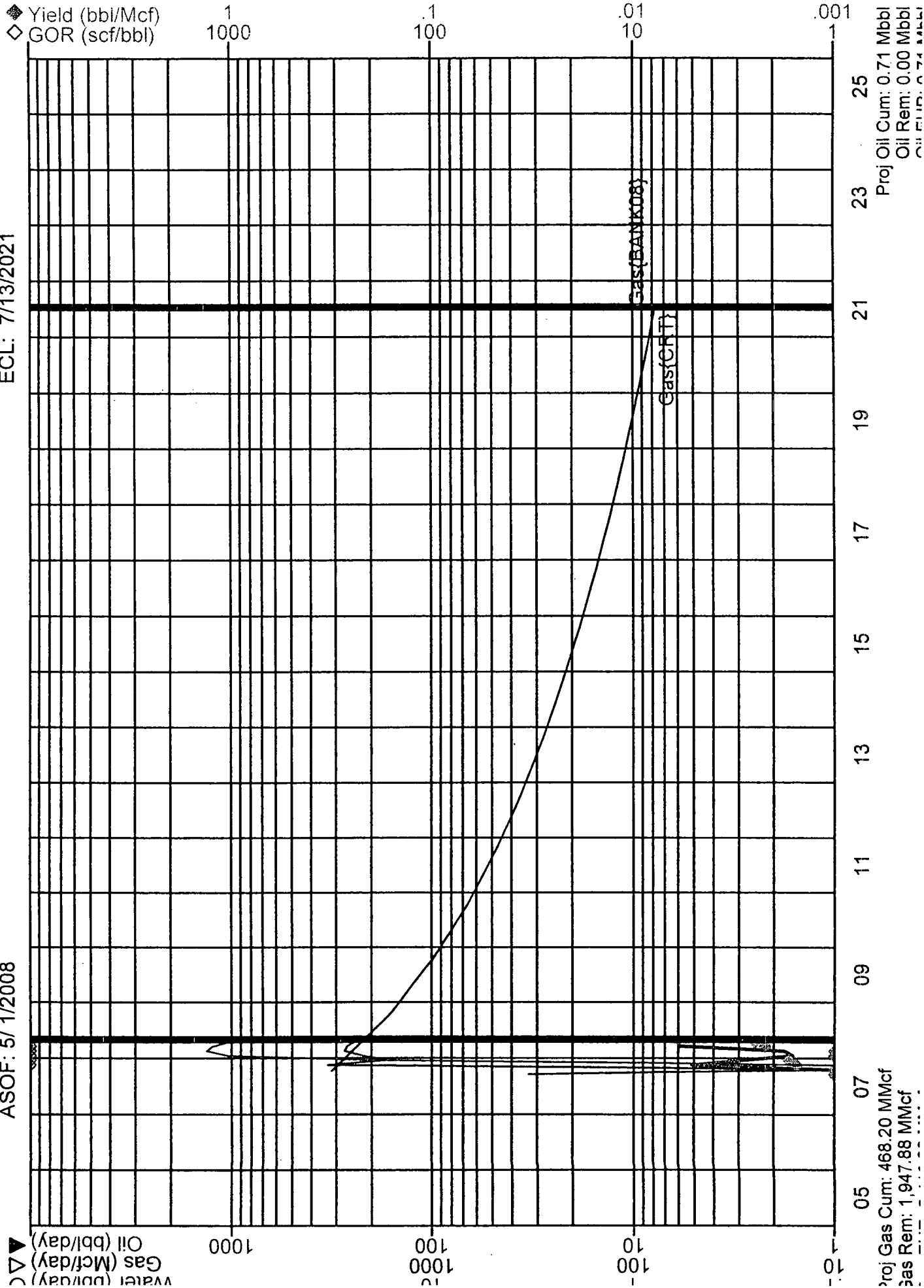
	Initial	1st Rev.	2nd Rev.
Working Interest :	1.00000000	0.00000000	0.00000000
Revenue Interest :	0.84487636	0.00000000	0.00000000
Rev. Date :			

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 20075. Lease Serial No.
NMLC 069140A

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.
NMMN68294X8. Lease Name and Well No.
BIG EDDY UNIT, 1589. API Well No.
30-015-3534510. Field and Pool, or Exploratory
UDGN. INDIAN FLATS, SW (MC11. Sec., T., R., M., on Block and
Survey or Area SEC 4, T22S, R28E12. County or Parish
EDDY13. State
NM17. Elevations (DF, RKB, RT, GL)*
3165' GL1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Otherb. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other _____2. Name of Operator
BEPCO, L.P.3. Address
P.O. BOX 2760 MIDLAND TX 79702-27603.a Phone No. (Include area code)
(432)683-22774. 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

At total depth SAME

14. Date Spudded
05/29/200715. Date T.D. Reached
07/30/200716. Date Completed
☐ D & A ☒ Ready to Prod.
09/11/200718. Total Depth: MD 12650'
TVD19. Plug Back T.D.: MD 12521'
TVD20. Depth Bridge Plug Set: MD
TVD21. 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/GR22. 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"	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

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 MOORETitle 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., Aztec, 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

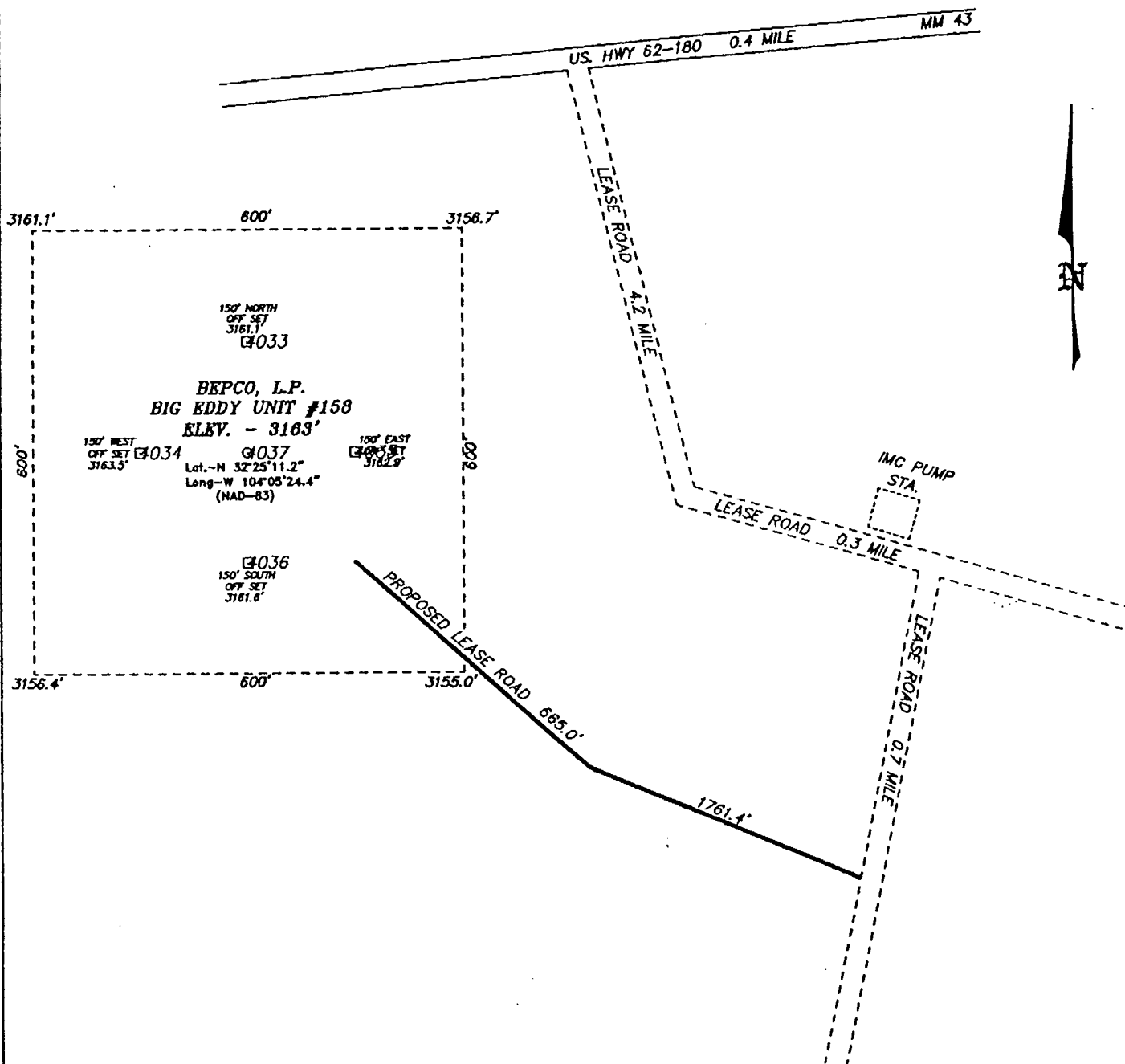
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

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

40.70 ACRES LOT 4	40.70 ACRES LOT 3	40.75 ACRES LOT 2	40.96 ACRES LOT 1	<p>OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>[Signature]</i> 12/1/06 Signature Date</p> <p>STEPHEN M MARTINEZ Printed Name</p>
81.63 ACRES		81.76 ACRES		
		<p>LAT - N32°25'11.2" LONG - W104°08'24.4" (NAD-83)</p> <p>3161.1' 3156.7'</p> <p>3156.4' 3155.0'</p> <p>1830'</p>		<p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>OCTOBER 10, 2006</p> <p>Date Surveyed</p> <p><i>[Signature]</i> Signature & Seal of Professional Surveyor</p> <p>NEW MEXICO REGISTERED PROFESSIONAL LAND SURVEYOR W.O. No. 17977 Certificate No. Gary Jones 7977</p>
163.09 ACRES		163.87 ACRES		

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

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'

22.2 KB (AGL)

X: 575193.6
 Y: 516471.7
 Lat: N-32.419778°
 Long: W-104.090111°

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'

524' 13 3/8 Csg

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"

5890' TOC BTS
 6165' 9-5/8" (by Csg Detail) 6160' by OH Logs
 6175' Driller's TD 12 1/4"

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

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)

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

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'
 TD: 12650'
 TD: 12655'

(by GR CCL 8/29/07)
 (Drillers TD)
 (Loggers TD)

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