

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

September 8, 2010

365

FEDERAL EXPRESS

Bureau of Land Management
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

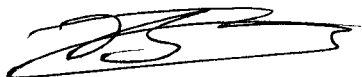
Re: Determination of Non-Commerciality
Morrow Formation
Big Eddy Unit No. 133
Eddy County, New Mexico

Gentlemen:

Please find attached hereto worksheets and pertinent information explaining that the referenced well is not a commercial producer in the Morrow Formation. Should you be in agreement that the Morrow completion is not commercial, please signify by executing one (1) copy of this letter in the space provided below and returning same to the undersigned at your earliest convenience.

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

Very truly yours,



Brad Glasscock

BG:ca

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

September 3, 2010

TO: FORT WORTH, FILES
FOR: FRANK McCREIGHT
FROM: STEVE F. JOHNSON
RE: COMMERCIAL DETERMINATION
BIG EDDY #133
US (DELAWARE)
EDDY COUNTY, NEW MEXICO
FILE: 100-WF: BE133CD.DOC

Attached are the worksheets and necessary exhibits for the subject well to be submitted for commercial determination. The Big Eddy #133 was drilled in 1994 to a total depth of 7150' and was completed in the Lower Delaware. The well was recompleted to the upper Delaware in September, 2009. The well was producing from perforations 5,309-5,321'. On test 9/19/2009 the well pumped at the rate of 28 BOPD, 49 MCFPD, and 334 BWPD. This well is expected to recover approximately 27.787 MBOE from the current completion.

The most recent price file from Fort Worth was utilized and the oil price was adjusted by - \$4.094/BO, gas by \$-1.00, and an operating cost of \$4,000/mo was used. The Big Eddy #133 will not be a commercial well and should not be incorporated into a participating area.



Steve Johnson

RSD/cdp

cc: Ross Sutton
George Hillis
Brad Glasscock

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

WELL Big Eddy #133 FORMATION DELAWARE
 LOCATION K UNIT, 1980 FEET FROM NORTH LINE & 1780 FEET FROM WEST LINE
 SECTION 27 TOWNSHIP 21S RANGE 29E COUNTY Eddy NEW MEXICO
 SPUD DATE 8/6/2009 COMPLETION DATE 8/19/2009 INITIAL PRODUCTION 9/16/2009
 PERFORATIONS 5309-5321'
 Originally drilled 1994; recompleted 2009

STIMULATION:

ACID _____

FRACTURE Frac w/ 2633 gal WF25, 19427 gal YF125 ST, 60000# 16/30 Ottawa sd

POTENTIAL (9/19/2009): 28 BOPD, 49 MCFPD, 334 BWPD

(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	<u>40</u>	
Porosity (Φ), %	<u>9%</u>	
Water saturation (S_w), %	<u>33%</u>	
Net Thickness (H), ft.	<u>15</u>	
Temperature (T), Fahrenheit	<u>120</u>	
Bottom Hole pressure (P), psia	<u>2,282</u>	
Recovery factor (RF), %	<u>15%</u>	
Recoverable Oil, Bbls *(See eq. below)	<u>27,787</u>	

*Sometimes unable to match performance due to volumetric uncertainty.

Formula = $(7758) (A) (H) (\Phi) (1-S_w) (1/Bo) (RF)$

Bo = 1.50

Continued

PERFORMANCE DATA

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

CUMULATIVE PRODUCTION TO 12/31/2009 1,625 BBL Oil 704 MCF GasINITIAL RATE (qi) 15ECONOMIC LIMIT (ql) 2HYPERBOLIC DECLINE RATE, dy n = 1.001, d = 90%/yrREMAINING OIL (Q) = 26,162ULTIMATE RECOVERABLE OIL (BO) 27,787

(Attach plot showing proration unit and participating area.)

ECONOMIC

GROSS WELL COST \$479,390 (to the depth of formation completed)COMPLETION COST \$0GROSS TOTAL COST \$479,390

YEAR	GROSS OIL MBBLS	BFIT NET INCOME (\$M)	OPERATING COST (\$M) INCL SEV & AD VAL TAX	5% NET BFIT DISCOUNTED CASH FLOW
ZERO				
1	1625.000	97.8	24.0	-269.0
2	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000
9	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000
REMAINDER	0.000	0.000	0.000	0.000
TOTAL	1625.000	97.8	24.0	-269.0

WELL IS NOT COMMERCIAL

ECONOMIC PROJECTION

Date: 9/3/2010

Lior: 1189058

10:59:19AM

Project Name: Exp of RESERVEPROP
 Partner: 99999
 Case Type: LEASE CASE
 Archive Set: CURRENT

As Of Date: 09/01/2009
 Discount Rate (%): 5.00
 1189058/BIG EDDY UNIT/133/DEL

Lease Name: 1189058/BIG EDDY UNIT/133/DEL
 Reserv Cat.: Proved Producing
 Field: U S (DELAWARE)
 Operator: BOPCO
 Reservoir: DELAWARE
 Co., State: EDDY, NM

Cum Oil (Mbbbl): 0.00
 Cum Gas (MMcf): 0.00

Risk: 0.000 Inherited/ 0.000 Compounded
 Sales

Year	Gross Wet Production		Gross Dry Gas & NGL					
	Oil (Mbbbl)	Wet Gas (MMcf)	Dry Gas (MMcf)	NGL (Mgal)	Oil (Mbbbl)	Gas (MMcf)	NGL (Mgal)	
2009	1.625	0.704	0.007	0.000	1.373	0.006	0.000	
2010	2.822	1.211	0.012	0.000	2.384	0.010	0.000	
2011	1.266	0.538	0.005	0.000	1.070	0.005	0.000	
2012	0.450	0.189	0.002	0.000	0.380	0.002	0.000	

Rem	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	6.163	2.642	0.026	0.000	5.208	0.022	0.000
It.	6.163	2.642					

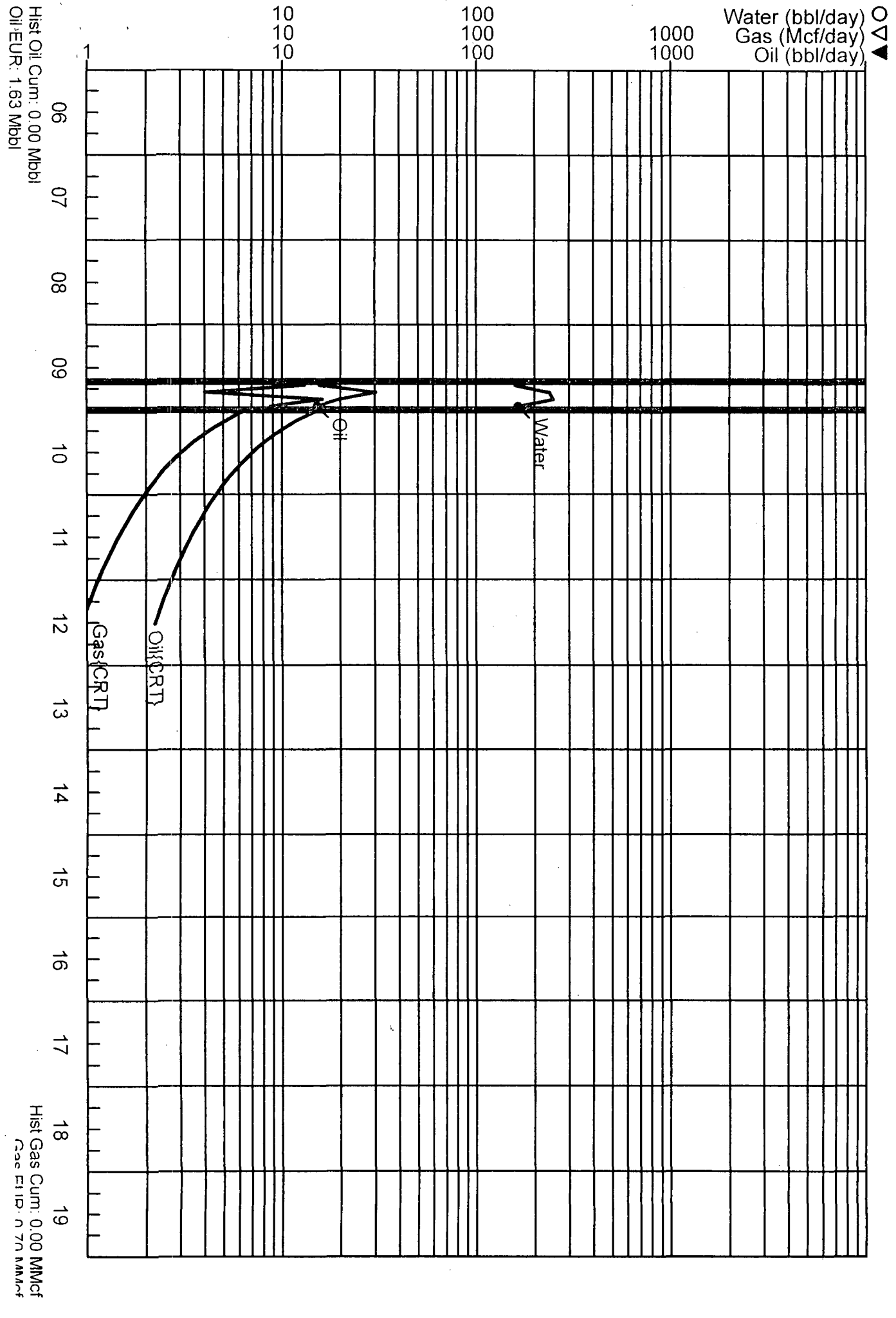
Year	Average Price			Net Revenue			
	Oil (\$/bbl)	Gas (\$/Mcf)	NGL (\$/gal)	Oil (M\$)	Gas (M\$)	NGL (M\$)	Total (M\$)
2009	71.21	2.91	0.00	97.78	0.02	0.00	97.80
2010	73.52	3.59	0.00	175.30	0.04	0.00	175.34
2011	76.48	3.56	0.00	81.82	0.02	0.00	81.84
2012	79.50	4.18	0.00	30.22	0.01	0.00	30.23

Rem	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	73.96	3.45	0.00	385.13	0.08	0.00	385.21

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\$)
2009	7.82	0.20	479.39	16.00	-405.60	-405.60	-406.16	-406.16
2010	14.01	0.35	0.00	48.00	112.97	-292.63	109.18	-296.98
2011	6.54	0.16	0.00	48.00	27.13	-265.50	24.94	-272.04
2012	2.42	0.06	0.00	24.26	3.50	-262.00	3.09	-268.95

Rem	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	30.79	0.77	479.39	136.26	-262.00	-262.00	-268.95	-268.95

Major Phase:	Oil	Working Int:	1.00000000	Present Worth Profile (M\$)	
Perfs:	0 0	Revenue Int:	0.84500000		
Initial Rate:	456.25 bbl/month	Disc. Initial Invest. (m\$):	479.393	5.00%:	-268.95
Abandonment:	67.79 bbl/month	Internal ROR (%):	>1000.0	9.00%:	-274.02
Initial Decline:	90.00 % year b = 1.001	ROI Investment (disc/undisc):	0.44 / 0.45	10.00%:	-275.22
Seg Ratio:	0.43 Mcf/bbl	Years to Payout:	0.00	12.00%:	-277.57
Prod Ratio:	0.42 Mcf/bbl	Abandonment Date:	07/02/2012	15.00%:	-280.92
Prestart Start:	01/01/2010			20.00%:	-286.11
		Initial	1st Rev.	30.00%:	-295.25
		Working Interest:	1.00000000	40.00%:	-303.05
		Revenue Interest:	0.84500000	50.00%:	-309.80
		Rev. Date:		60.00%:	-315.70



Input Page

Lease Name: 1189058/BIG EDDY UNIT/133/DEL
 Operator : BOPCO
 Field Name : U S (DELAWARE)
 Oil Proved Producing

9/1/2009

Case Type : LEASE CASE
 Reservoir : DELAWARE
 Co., St.: EDDY, NM

Discount Method: M

Annual Compoundings: 1

At AsOf Date

	Oil	Gas
Qi (AsOf) =	0.456 Mbbl/month	0.197 MMcf/month
Qf (ECL) =	0.068 Mbbl/month	0.028 MMcf/month
Dec. =	90.000 %	- %
b =	1.001	-
Unit Price =	65.16 /bbl	1.84 /Mcf
Unit Exp. =	0.00	0.00
Hist. Cum	0.006 Mbbl	0.005 MMcf
Proj. Cum	0.000 Mbbl	0.000 MMcf
Reserves	6.163 Mbbl	2.642 MMcf
Ult.	6.163 Mbbl	2.642 MMcf

Abandonment Date: 7/2/2012

ID Codes List

Id Label	IdCode
Retrieval Code	C%USDLXS.000
API Number	3001528043
PhdWin ID	00422
RRC Dist Code	NM
Operator Code	
Field Code	
Unique ID	8B9A6BDA75311294866600428
ROCK SEO	
WELL NO	133
STLSEID	001776
PROPERTY	BIG EDDY UNIT #133
COMPLETION SEO	
WELLBORE	
CONTROL	1189058
ENGR	MID
STATUS	TA
RSVREVKEY	
R_ZONE	DELAWARE
IHS PID	
ACCT FLAG	
CONTACT	

Input Data

Projection Table

* Segment Volumes Adjusted for Historical Data.

Arps	Start	End	Life Years	Initial Rate	Final Rate	Decline (%)	b	Min. Decline	Segment Volume
Oil	1 1/5/2010	7/2/2012	2.49	456.3	67.8 bbl	90.00	1.001	-	4,538 bbl
GOR	1 10/8/2009	4/7/2032	22.50	432.1	341.9 scf/bbl	1.04	0.000	-	0 scf/bbl

Formula

Formula

Units

Gas	Mcf
Oil Cut	%
Yield	bbl/Mcf
Water Cut	%

Product Model Table

	Base Units	Base Model [AsOf Price]	Model Adjustments				Base Cost Model [AsOf Cost]
		Escalation Model	Op Cost	BTU	Differential	Shrinkage	Escalation Model
Gas	Mcf	strip 2010-08-27[1.843] Case Specific	0	1,000	-1.00	99.00 %	Case Specific[0] n/a
Oil	bbl	strip Case Specific	0		-4.09	0.00	Case Specific[0] n/a
Water	bbl	n/a n/a	0		0.00	0.00	Case Specific[0] n/a
NGL	gal	n/a n/a	0		0.00	0.00	n/a n/a
Condensate	bbl	n/a n/a	0		0.00	0.00	n/a n/a

Investment Table

Date	Linking	Amount (M\$)			Description	Depreciation Method	Net to Interest	Init. Invest ?
		Tangible	Intangible	Total				
9/1/2009		133.61	345.78	479.39	workover	N/A	100%	Y
		133.61	345.78	479.39				

Input Page

Lease Name: 1189058/BIG EDDY UNIT/133/DEL
Operator : BOPCO
Field Name : U S (DELAWARE)
Oil Proved Producing

9/1/2009

Case Type : LEASE CASE
Reservoir : DELAWARE
Co., St. : EDDY, NM

Ownership Table

Owner	Owner Code	Owner Loaded	Rev. Type	Triger Value	WI (fract)	NRI (Fract)	Lease NRI	Net Profit Expense	Rev. SR#
99999	2	2	Initial	0	1.00000000	0.84500000	0.84500000	-	

Lease Memo Table

Lease Memos

9/14/2009 (RSD) - Not likely to be able to sell gas from this location with this well.

RECEIVED

UNITED STATES OPERATOR'S COPY
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

OCT 09 2009 SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.
BOPCO WTD PRODUCTION

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator
BOPCO, L.P.

3a. Address

P.O. Box 2760 Midland TX 79702

3b. Phone No. (include area code)

(432)683-2277

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

UL F, SEC 27, T21S, R29E, 1980' FNL, 1780' FWL

5. Lease Serial No.

NMLC069144A

6. If Indian, Allottee or Tribe Name

7. If Unit or C/A Agreement, Name and/or No.
Big Eddy Unit

8. Well Name and No.

Big Eddy Unit #133

9. API Well No.

30-015-28043

10. Field and Pool, or Exploratory Area
U.S. (Delaware)11. County or Parish, State
Eddy
NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA.

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input checked="" type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input checked="" type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Add Delaware
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	perfs & return well
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	to production

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleting horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BOPCO, L.P. respectfully wishes to report the addition of perfs in the wellbore as follows:

08/06/09 Perforate Delaware perfs 6530'-6542' (12 shots). Set packer @ 6457' w/ 15000 lbs comp & SN @ 6451'.

08/08/09 RIH w/ 10K CIBP & CCL. Set CIBP @ 6520'. Dump bail 20' of Class H cement on top. POOH w/ WL.

08/11/09 Perf 6470'-6474' (4 shots). PU & RIH w/ packer, SN. Packer set @ 6397' & SN @ 6391'.

08/12-18/09 Swab well with no successful production.

08/19/09 RIH w/ 5-1/2" 10K CIBP. Set CIBP @ 6450'. Dump bail 20' of cement on top. Perforate Delaware 5309'-5321' (12 shots). PU & RIH w/ replacement Baker 4-1/2" Retrievalmatic packer. Set packer @ 5286'.

08/20-28/09 Swab well with no production.

08/29/09 Spot 2 bbls 7.5% HCl NEFE across perfs (5309'-5321'). Set packer @ 5256'.

09/03/09 Frac'd perfs 5309'-5321' w/ 2633 gals WF25, 19427 gals YF125 ST, 60000# 16/30 Ottawa.

09/05/09 Set TAC @ 4800' w/ 12000# tension & SN @ 4989'. Shut well in.

09/06-08/09 Shut down.

09/11-09/15/09 Waiting on engine repair/replacement.

09/16/09 Well returned to production.

Best test to date on 09/19/09: 28 BO, 334 BW, 49 MCF, TP 210 psi, CP 70 psi on 12/64" choke.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Valerie Truax

Title Regulatory Admin Assistant

Signature

Date 09/25/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

OCT 6 2009

/s/ Chris Walls

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Title 18 U.S.C. Section 1001 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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Instruction on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
Property Code	Property Name BIG EDDY	Well Number 133
OGRID No.	Operator Name BASS ENTERPRISES PRODUCTION CO.	Elevation 3464'

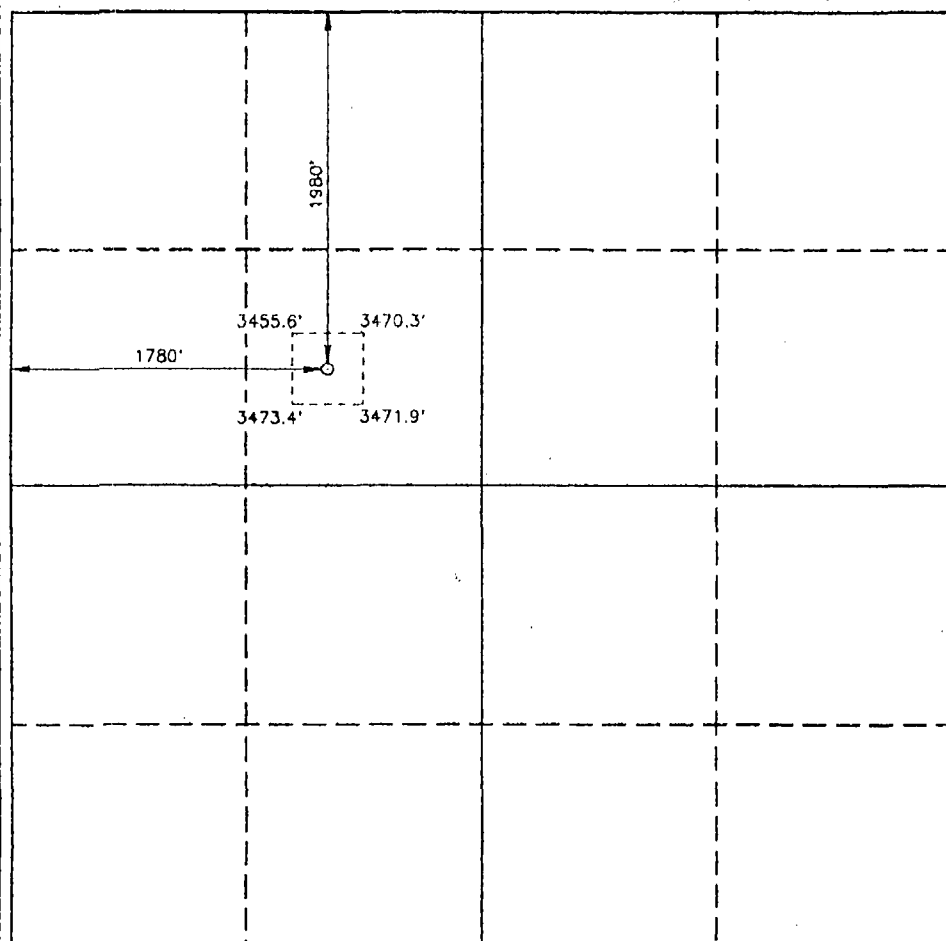
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	27	21S	29E		1980	NORTH	1780	WEST	EDDY

¹¹ 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	Joint or Infill	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 the the information contained herein is true and complete to the best of my knowledge and belief. _____ Signature _____ Printed Name _____ Title _____ Date
	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. March 31, 1994 Date Surveyed _____ Signature & Seal of Professional Surveyor W.O. Num. 94-11-0475 _____ Certificate No. JOHN W. WEST, 876 RONALD J. EDSON, 3239 GARY L. JONES, 7977



Schematic - Production

Well ID: 30-015-28043

Field: US - Delaware

BOPCO, L.P. - West Texas

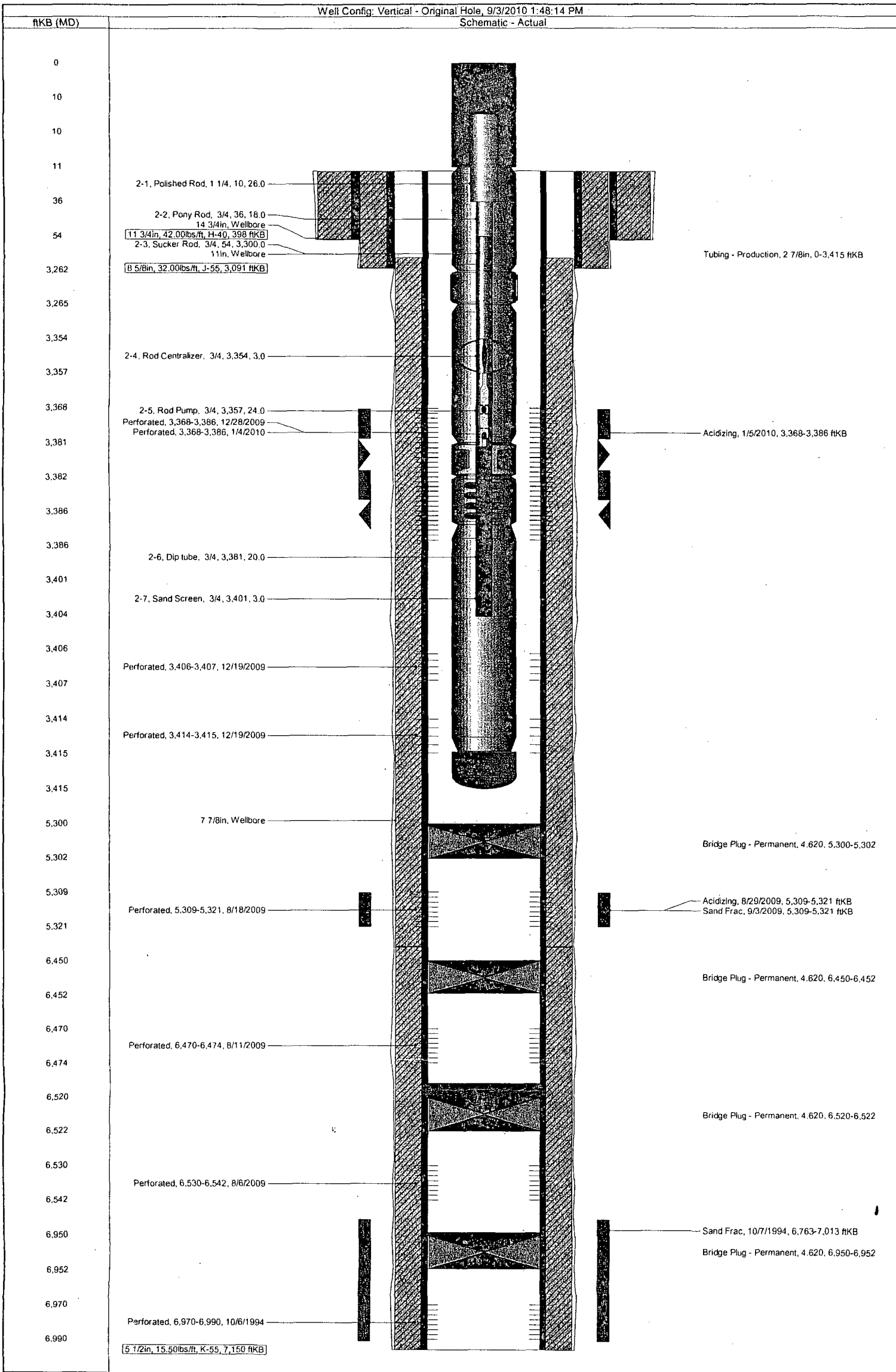
Well Name: BIG EDDY UNIT #133

Sect: 27 Town: 21S Rng: 29E Eddy Co., State: New Mexico

Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Completion/Workover	Recompletion	Recompletion	8/4/2009	1/7/2010

Well Config: Vertical - Original Hole, 9/3/2010 1:48:14 PM
Schematic - Actual



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

365

September 8, 2010

FEDERAL EXPRESS

Bureau of Land Management
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

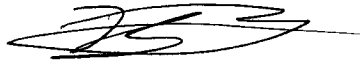
Re: Commercial Determination
Big Eddy Unit #186
Atoka Formation
Eddy County, New Mexico

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 Atoka 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: _____

Brian/Amanda


INTER-OFFICE MEMORANDUM
MIDLAND OFFICE

June 1, 2009

TO: FORT WORTH, FILES
FOR: FRANK McCREIGHT
FROM: STEVE F. JOHNSON
RE: COMMERCIAL DETERMINATION
BIG EDDY UNIT NO. 186
DUBLIN RANCH (ATOKA)
BIG EDDY UNIT
EDDY COUNTY, NEW MEXICO
FILE: 400-WF, BEU186CD.XLS

Attached are the worksheets and necessary attachments for the subject well to be submitted for commercial determination. The Big Eddy Unit #186 was drilled in 2007 to a TD of 12,780 and was completed in the Morrow, after testing the well was recompleted to the Atoka. The well is producing from perforations 11,544' - 11,708'.

The Big Eddy Unit No. 186 Atoka will be a commercial well and should receive a participating area. If additional information is required, please advise.



Steve F. Johnson

xc: Ross Sutton
George Hillis
Brad Glasscock


cdp

WORKSHEET FOR COMMERCIAL DETERMINATION AND PARTICIPATING AREA IN FEDERAL UNITS

WELL DATA

WELL _____ BIG EDDY UNIT # 186 _____ FORMATION _____ ATOKA _____
 LOCATION _____ M _____ UNIT, _____ 660 _____ FEET FROM SOUTH LINE & _____ 660 _____ FEET FROM WEST LINE
 SECTION _____ 14 _____ TOWNSHIP _____ 22S _____ RANGE _____ 28E _____ COUNTY _____ EDDY _____ NEW MEXICO
 SPUD DATE _____ 10/31/2007 _____ COMPLETION DATE _____ 07/12/2008 _____ INITIAL PRODUCTION _____ 07/12/2008 _____
 PERFORATIONS _____ 11,544-11,708' _____

STIMULATION:

ACID _____ 11,544-11,708' Unstimulated _____

FRACTURE _____

POTENTIAL _____ (07/21/2008): 0 BOPD, 4403 MCFPD, & 3 BWPD _____

(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), %	16%	
Water saturation (Sw), %	35%	
Net Thickness (h), ft.	13	
Temperature (T), Fahrenheit	189	
Bottom Hole pressure (P), psia	5,214	
Recovery factor (RF), %	75%	
Recoverable gas, BCF *(See eq. below)	2.8	

*Sometimes unable to match performance due to volumetric uncertainty.

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

Bgi = 0.61 RB/MCF

Continued

PERFORMANCE DATA

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

CUMULATIVE PRODUCTION TO 03/31/2009 1,192,876 MCF Gas 1,938 BBL OilINITIAL RATE (qi) 5,500ECONOMIC LIMIT (qi) 100HYPERBOLIC DECLINE RATE, dy b = .9 d = 94.01REMAINING GAS (Q) = 1,635,540ULTIMATE RECOVERABLE GAS (mcf) 2,828,416

(Attach plot showing proration unit and participating area.)

ECONOMIC

GROSS WELL COST \$ \$2,010,300 (to the depth of formation completed)COMPLETION COST \$ 392,398GROSS TOTAL COST \$ \$2,402,698

<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>950.4</u>	<u>4,937.9</u>	<u>674.87</u>	<u>1,770.6</u>
2	<u>625.1</u>	<u>1,506.2</u>	<u>423.48</u>	<u>1,012.5</u>
3	<u>292.6</u>	<u>1,128.2</u>	<u>246.096</u>	<u>781.6</u>
4	<u>193.2</u>	<u>894.9</u>	<u>182.15</u>	<u>601.6</u>
5	<u>143.4</u>	<u>699.7</u>	<u>143.07</u>	<u>447.4</u>
6	<u>113.0</u>	<u>561.1</u>	<u>117.42</u>	<u>339.6</u>
7	<u>93.1</u>	<u>469.8</u>	<u>100.59</u>	<u>269.1</u>
8	<u>78.9</u>	<u>405.0</u>	<u>88.63</u>	<u>219.6</u>
9	<u>68.5</u>	<u>357.7</u>	<u>79.89</u>	<u>183.7</u>
10	<u>60.2</u>	<u>319.0</u>	<u>72.79</u>	<u>155.0</u>
REMAINDER	<u>210</u>	<u>1,154.7</u>	<u>277.76</u>	<u>485.8</u>
TOTAL	<u>2,828</u>	<u>12,434.0</u>	<u>2406.746</u>	<u>6,266.5</u>

WELL IS COMMERCIAL

ECONOMIC PROJECTION

Date : 5/28/2009

Lior: 1189080

10:17:07AM

Project Name : Exp of RESERVEPROP

Partner : 99999

Case Type : LEASE CASE

Archive Set : CD

Cum Oil (Mbbbl) : 0.00

Cum Gas (MMcf) : 0.00

As Of Date : 01/01/2008

Discount Rate (%) : 5.00

1189080/BIG EDDY UNIT/186/ATO

Lease Name : 1189080/BIG EDDY UNIT/186/ATO

Reserv Cat. : Proved Producing

Field : DUBLIN RANCH (ATOKA)

Operator : BOPCO

Reservoir : ATOKA

Co., State : EDDY, NM

Risk: 0.000 Inherited/ 0.000 Compounded
Sales

Year	Gross Wet Production		Gross Dry Gas & NGL				
	Oil (Mbbbl)	Wet Gas (MMcf)	Dry Gas (MMcf)	NGL (Mgal)	Oil (Mbbbl)	Gas (MMcf)	NGL (Mgal)
2008	1.689	950.420	950.420	0.000	1.427	802.987	0.000
2009	0.249	625.102	625.102	0.000	0.210	528.134	0.000
2010	0.000	292.580	292.580	0.000	0.000	247.194	0.000
2011	0.000	193.158	193.158	0.000	0.000	163.195	0.000
2012	0.000	143.431	143.431	0.000	0.000	121.181	0.000
2013	0.000	112.997	112.997	0.000	0.000	95.469	0.000
2014	0.000	93.081	93.081	0.000	0.000	78.642	0.000
2015	0.000	78.929	78.929	0.000	0.000	66.685	0.000
2016	0.000	68.552	68.552	0.000	0.000	57.918	0.000
2017	0.000	60.200	60.200	0.000	0.000	50.861	0.000
Rem	0.000	209.967	209.967	0.000	0.000	177.396	0.000
Total	1.938	2,828.416	2,828.416	0.000	1.637	2,389.662	0.000
Ult.	1.938	2,828.416					

Year	Average Price			Net Revenue			
	Oil (\$/bbl)	Gas (\$/Mcf)	NGL (\$/gal)	Oil (M\$)	Gas (M\$)	NGL (M\$)	Total (M\$)
2008	86.86	6.00	0.00	123.95	4,813.94	0.00	4,937.89
2009	38.91	2.84	0.00	8.18	1,497.97	0.00	1,506.16
2010	0.00	4.56	0.00	0.00	1,128.15	0.00	1,128.15
2011	0.00	5.48	0.00	0.00	894.87	0.00	894.87
2012	0.00	5.77	0.00	0.00	699.66	0.00	699.66
2013	0.00	5.88	0.00	0.00	561.07	0.00	561.07
2014	0.00	5.97	0.00	0.00	469.76	0.00	469.76
2015	0.00	6.07	0.00	0.00	405.01	0.00	405.01
2016	0.00	6.18	0.00	0.00	357.69	0.00	357.69
2017	0.00	6.27	0.00	0.00	319.04	0.00	319.04
Rem	0.00	6.51	0.00	0.00	1,154.66	0.00	1,154.66
Total	80.70	5.15	0.00	132.14	12,301.82	0.00	12,433.95

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	326.76	7.41	2,402.70	340.70	1,860.32	1,860.32	1,770.63	1,770.63
2009	133.12	3.01	0.00	287.35	1,082.68	2,943.00	1,012.45	2,783.09
2010	99.76	2.26	0.00	144.07	882.06	3,825.06	781.60	3,564.68
2011	79.13	1.79	0.00	101.23	712.72	4,537.78	601.64	4,166.32
2012	61.87	1.40	0.00	79.80	556.59	5,094.37	447.42	4,613.74
2013	49.61	1.12	0.00	66.69	443.65	5,538.02	339.60	4,953.34
2014	41.54	0.94	0.00	58.11	369.17	5,907.19	269.10	5,222.44
2015	35.81	0.81	0.00	52.01	316.37	6,223.56	219.62	5,442.06
2016	31.63	0.72	0.00	47.54	277.81	6,501.37	183.65	5,625.71
2017	28.21	0.64	0.00	43.94	246.25	6,747.62	155.01	5,780.72
Rem	102.10	2.31	0.00	173.35	876.90	876.90	485.82	485.82
Total	989.55	22.40	2,402.70	1,394.78	7,624.52	7,624.52	6,266.55	6,266.55

Major Phase :	Gas	Working Int :	1.00000000	Present Worth Profile (M\$)	
Perfs :	0 0	Revenue Int :	0.84487636		
Initial Rate :	207,486.00 Mcf/month	Disc. Initial Invest. (m\$) :	2,344.989	5.00% :	6,266.55
Abandonment :	3.078.05 Mcf/month	Internal ROR (%) :	>1000.0	9.00% :	5,492.35
Initial Decline :	94.01 % year b = 0.900	ROInvestment (disc/undisc) :	3.67 / 4.17	10.00% :	5,329.39
Beq Ratio :	0.00 bbl/Mcf	Years to Payout :	0.73	12.00% :	5,032.80
End Ratio :	0.00 bbl/Mcf	Abandonment Date :	08/12/2022	15.00% :	4,649.41
Forecast Start :	08/01/2008			20.00% :	4,134.84
		Initial	1st Rev.	30.00% :	3,406.56
		Working Interest : 1.00000000	0.00000000	40.00% :	2,912.21
		Revenue Interest : 0.84487636	0.00000000	50.00% :	2,551.28
		Rev. Date :		60.00% :	2,274.00

Oil (bbl/day)

ECL: 8/12/2022

Gas (Mcf/day)

Yield (bbl/Mcf)

Water (bbl/day)

GOR (scf/bbl)

Yield

Oil

Gas

10

100

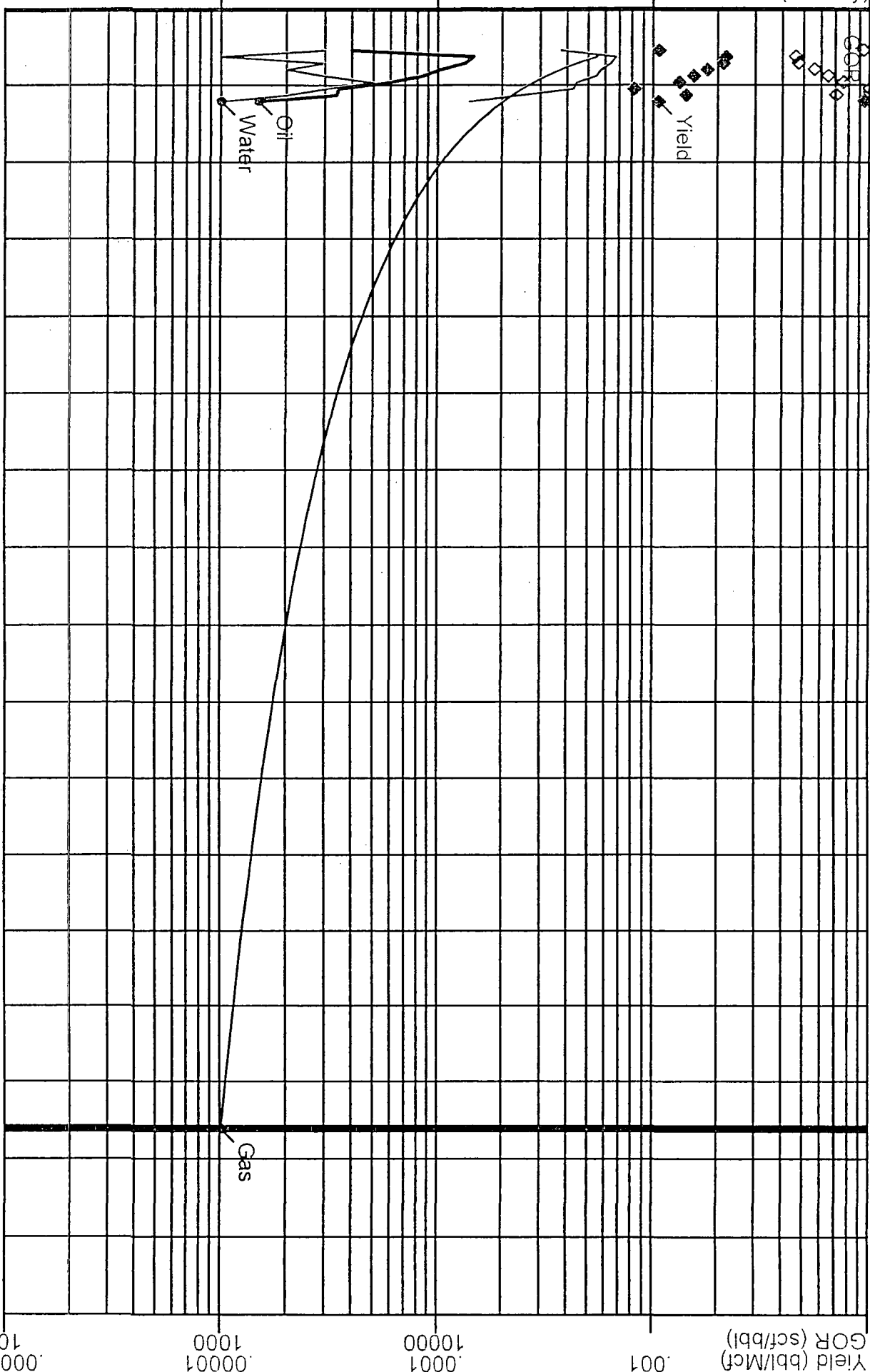
10
1000

100
10000

08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Hist Gas Cum: 0.00 MMcf
Gas Rem: 2,828.42 MMcf
Gas EUR: 2,828.42 MMcf

Hist Oil Cum: 0.00 Mbbl
Oil Rem: 1.94 Mbbl
Oil EUR: 1.94 Mbbl



WELLBORE DIAGRAM

Lease: **Big Eddy Unit** Well No.: **186**
 Field: **Dublin Ranch (Morrow)**
 Location: **660' FSL & 660' FWL, Sec 14-T22S-R28E**
 County: **Eddy** St: **NM** API: **30-015-35753**

KB: 3152.4
 GL: 3134.8
 Spud Date: 10/31/2007
 Compl. Date: 3/5/2008

Surface Csg.

Size: 13-3/8"
 Wt: 48#
 Grd: H-40 STC
 Set @: 457'
 Sxs cmt: 400 sx
 Circ: N
 Top Out: 110 sx
 TOC: Surface Circ 20 sx
 Hole Size: 17-1/2"

Intermediate Csg.

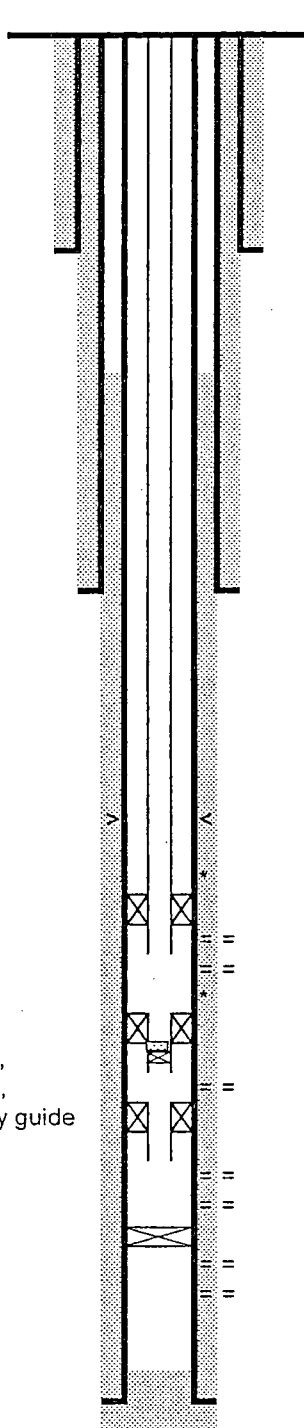
Size: 9-5/8"
 Wt: 40#
 Grd: HCP-110 LTC
 Set @: 6408'
 Sxs Cmt: 1950 sx
 Circ: Y 141 sx
 TOC: Surface
 Hole Size: 12-1/4"

Production Csg.

Size: 5-1/2"
 Wt: 17#
 Grd: HCP-110 LT&C
 Set @: 12,778'
 Stg #1: 1080 sx
 Circ: Y 80 sx
 Stg #2: 490 sx
 Circ: N
 TOC: 5,400 (calc)
 Hole Size: 8-3/4"

Tubing

359 jts 2 3/8" 4.7# L80 tbg, 'F' Prof Nple,
 On/Off tool w/ prof nple, Pkr @ 1147.44',
 F' Prof Nple, 10K glass disk, WL re-entry guide



0 KB
 17.6 GL
 X: 583086.44
 Y: 504718.53
 Lat: N 32.387417°
 Long: W-104.064667°
 457' 13 3/8" Csg (Csg Detail)
 5400' TOC (Calc)
 6402' Shoe (OH logs)
 6408' 9 5/8" Csg (Csg Detail)
 8483' DV tool
 11290' 11' Mkr jt (by WL)
 11447' Baker Hornet Pkr w/ On/Off tool, glass disk, v
 11544-54' Atoka Perf (56 holes, 5 Pure shots) 7/8/08
 11702-08' Perf (33 holes, 4 Pure shots)
 11913' 12' Mkr jt (by WL)
 12045' Baker Hornet Pkr w/ inverted On/Off tool
 12057' CIBP W/ 6' Cmt 7/4/08
 12126-32' U Morrow Perf (13 holes, 5 Pure shots) 4/18/08
 12205' Baker Model "D" pkr w/ glass disk & WEG
 12243-78' M Morrow Perf (27 holes, 13 Pure shots) 3/4/08
 12356-472' M Morrow Perf (20 holes, 11 Pure shots) 3/4/08
 12570' CIBP w/ 10' cmt
 12616-44' L Morrow Perf (24 holes, 11 Pure shots) 2/29/08
 12660-84' L Morrow Perf (12 holes, 6 Pure shots) 2/29/08
 12684' Float Collar (Csg Detail 12/21/07)
 12778' Float Shoe (Csg Detail 12/21/07)

PBTD: 12761'
 TD: 12780'
 12773'

(by Wireline 2/29/08)
 (Driller's TD)
 (Logger's TD)

Updated: 2/6/2009
 Author: ezg
 Engr: RSD/SSM

BASS ENTERPRISES PRODUCTION CO.

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

365

June 8, 2006

Bureau of Land Management
Roswell District Office
2909 W. 2nd Street
Roswell, New Mexico 88201
Attn: Ms. Alexis Swoboda

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: Initial Morrow Participating Area
S/2, Section 33, T21S-R28E
Big Eddy Unit No. 64 Well
Eddy County, New Mexico

2006 JUN 9 AM 11:53

Gentlemen:

BEPCO, L.P., as Unit Operator of the Big Eddy Unit Agreement, pursuant to the provisions of Section 11, thereof, respectfully submits for your approval the selection of the following described lands to comprise the Initial Participating Area for the Morrow Formation in the Big Eddy Unit consisting of 320.00 acres containing the above tract more specifically described on the attached Exhibit "A".

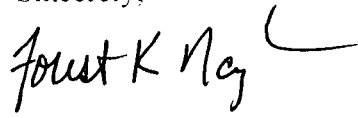
In support of this application the following numbered items are attached hereto and made part hereof.

1. An ownership map (Exhibit "A") depicting the boundaries of the proposed unit area and the proposed Participating Area for the Morrow Formation.
2. A schedule (Exhibit "B") identifying the lands entitled to participate in the unitized substances produced from the Morrow Formation with the percentage of participation of each lease or tract indicated thereon.
3. Geological and engineering report with accompanying geological maps supporting and justifying the selection of the participating area.

This proposed initial participating area is predicated upon the knowledge and information first obtained upon the completion of the Unit Well No. 64 located at 660' FSL and 1,980 FWL of Section 33, T21S-R28E on September 20, 2004. BEPCO, L.P. respectfully requests your approval of the hereinabove selection of lands to constitute the Initial Participating Area to the Morrow Formation to be effective September 1, 2004. Thank you very much for your cooperation in this regard and should you require additional information concerning same, please don't hesitate to contact the undersigned.

June 8, 2006
Page 2

Sincerely,

A handwritten signature in black ink, appearing to read "Forest K. Naylor", with a long horizontal flourish extending to the right.

Forest K. Naylor

ACCEPTED AND AGREE this _____ day of _____, 2006.

BUREAU OF LAND MANAGEMENT

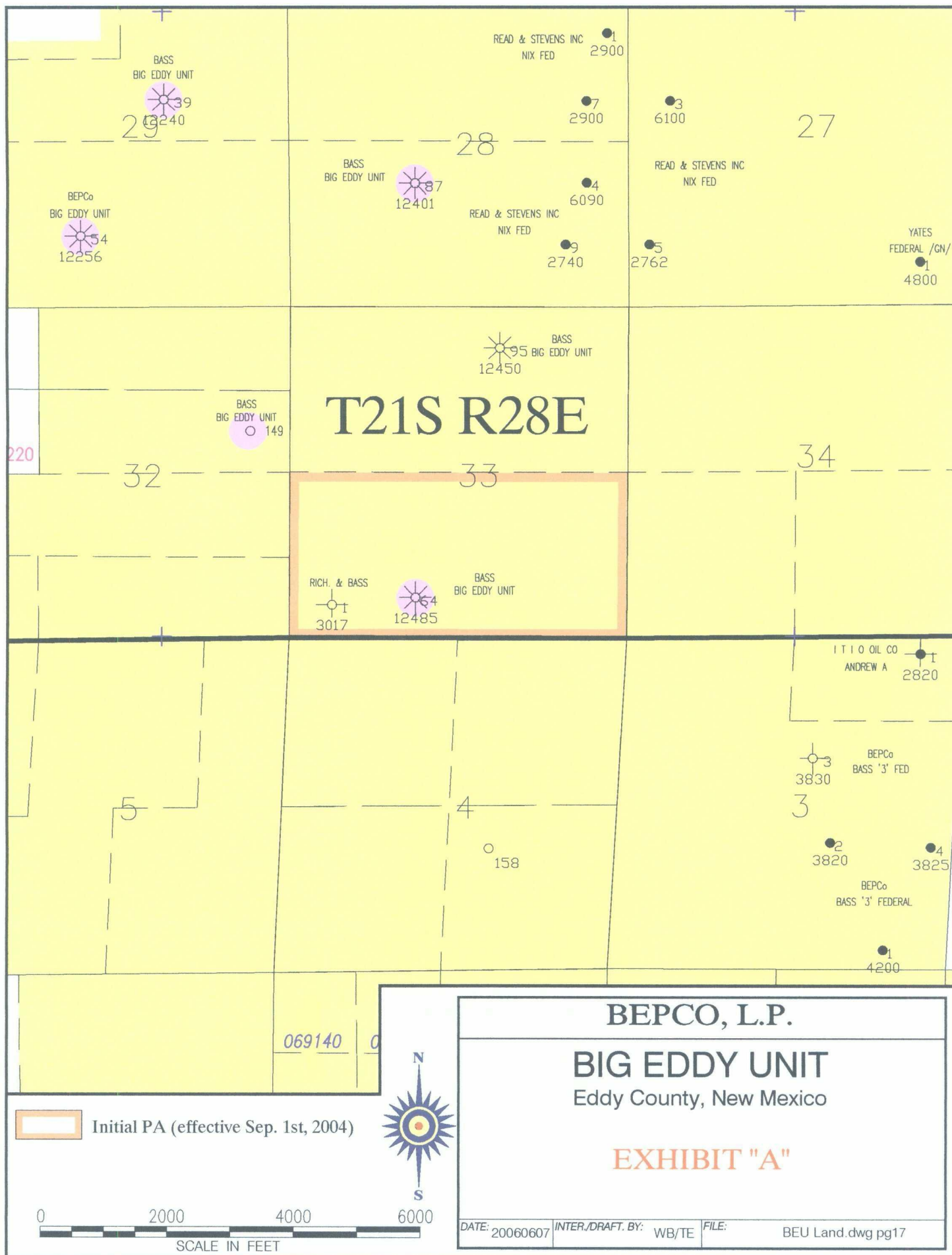
By: _____

COMMISSIONER OF PUBLIC LANDS

By: _____

NEW MEXICO OIL CONSERVATION DIVISION

By: _____



BEPCO, L.P.

BIG EDDY UNIT
Eddy County, New Mexico

EXHIBIT "A"

DATE: 20060607 INTER/DRAFT. BY: WB/TE FILE: BEU Land.dwg pg17

EXHIBIT "B"

Initial Morrow Participating Area
Big Eddy Unit
Eddy County, New Mexico

<u>Tract No.</u>	<u>Lease No.</u>	<u>Description</u>	<u>Participating Acres</u>	<u>Percentage of Participation</u>	<u>Working Interest Owners</u>
124	LC-070061	Sec. 33: T21S-R28E S1/2 (320.00)	320.00	100.00%	BEPCO, LP – 100%
Totals			320.00	100%	
Total Federal Land: 320.00 Acres (100.00%)					
Total State Lands: 0.00 Acres					
Total Fee Lands: 0.00 Acres					
Total			320.00 Acres		

BIG EDDY UNIT – MORROW
EDDY COUNTY, NEW MEXICO
PROPOSED PARTICIPATING AREA
FOR BIG EDDY UNIT No. 64

PROPOSED PARTICIPATING AREA (MORROW)

S/2, Section 33, T21S-R28E

PROPOSED EFFECTIVE DATE

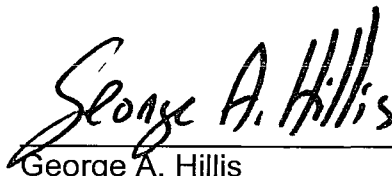
September 20, 2004 (Initial Production)

DISCUSSION

Spudded on May 15, 1980 the Big Eddy Unit No.64 reached a final depth of 12485' on July 2, 1980. The initial completion on the well was made on July 13, 1980 via perforations in the Strawn from 10904-10. Additional Strawn perforations were then shot on January 9, 1982 across the interval 10913-33. Prior to being shut-in during the fall of 1996, the Strawn pay interval produced 904,438 MCF +32,350 BO + 324,451 BW. The well remained shut-in until mid-2004 when operations to re-complete to the Morrow commenced. Completed on September 20, 2004 via perforations at 12124-48' the well had produced 1,455,969 MCF through mid-May 2006 and is active at around 2,400 MCFPD.


The Morrow pay interval in Big Eddy Unit No.64 is unique in the context that normal mapping of net clean sand content, utilizing a gamma ray cut-off, is not applicable for this pay sand due to high "feldspar" content. However, regional geology and a gross isopach of the Middle Morrow demonstrate a NNW to SSE trending orientation. This depositional orientation is also evident on the attached isopach of footage greater than 7% porosity. This map also supports a critical contour of 10 feet for the proposed participating area.

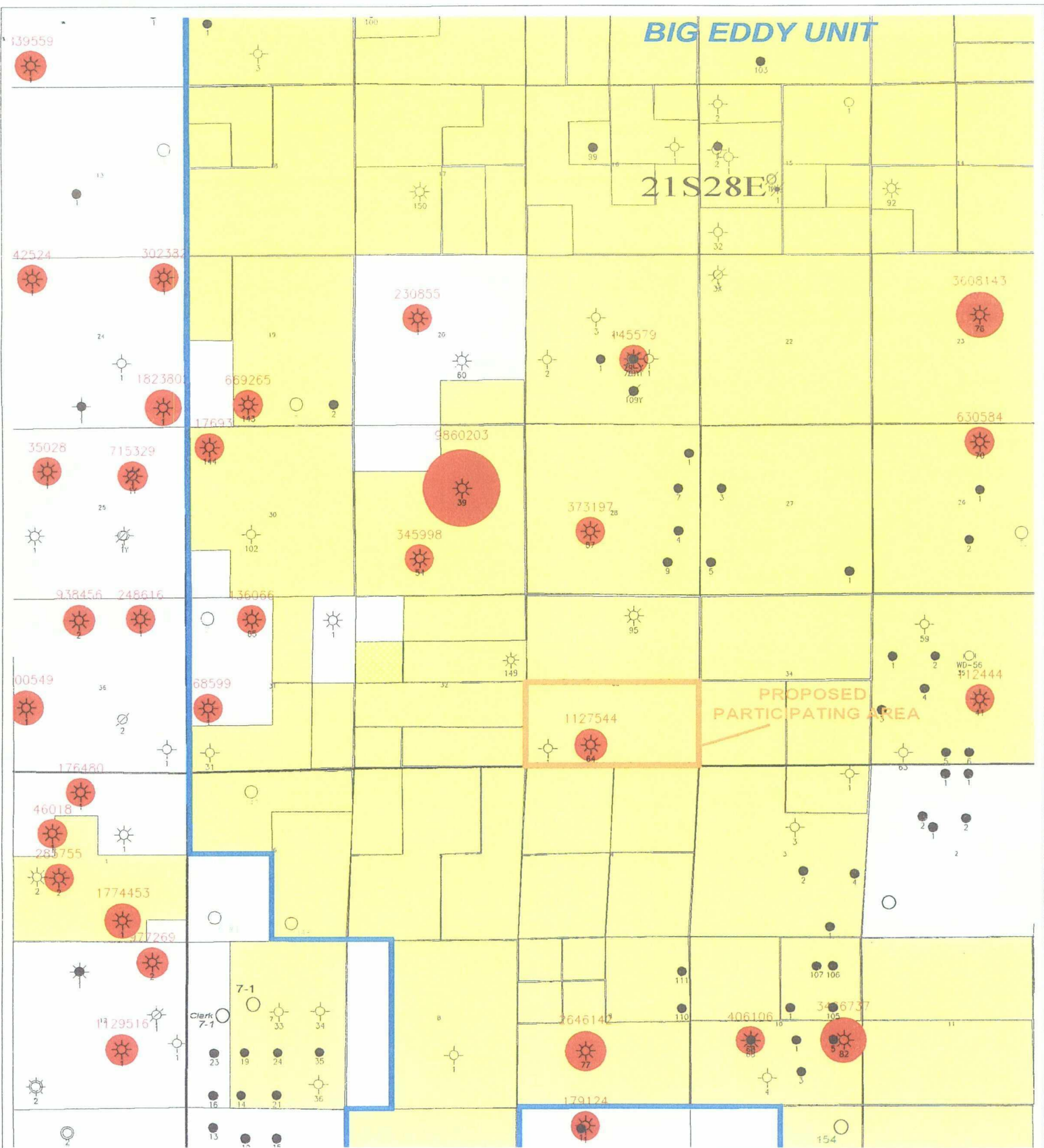
Please feel free to contact me with any questions or for any additional geological data.



George A. Hillis
Division Geologist
817-390-8661
ghillis@basspet.com

GH:mp





BIG EDDY UNIT

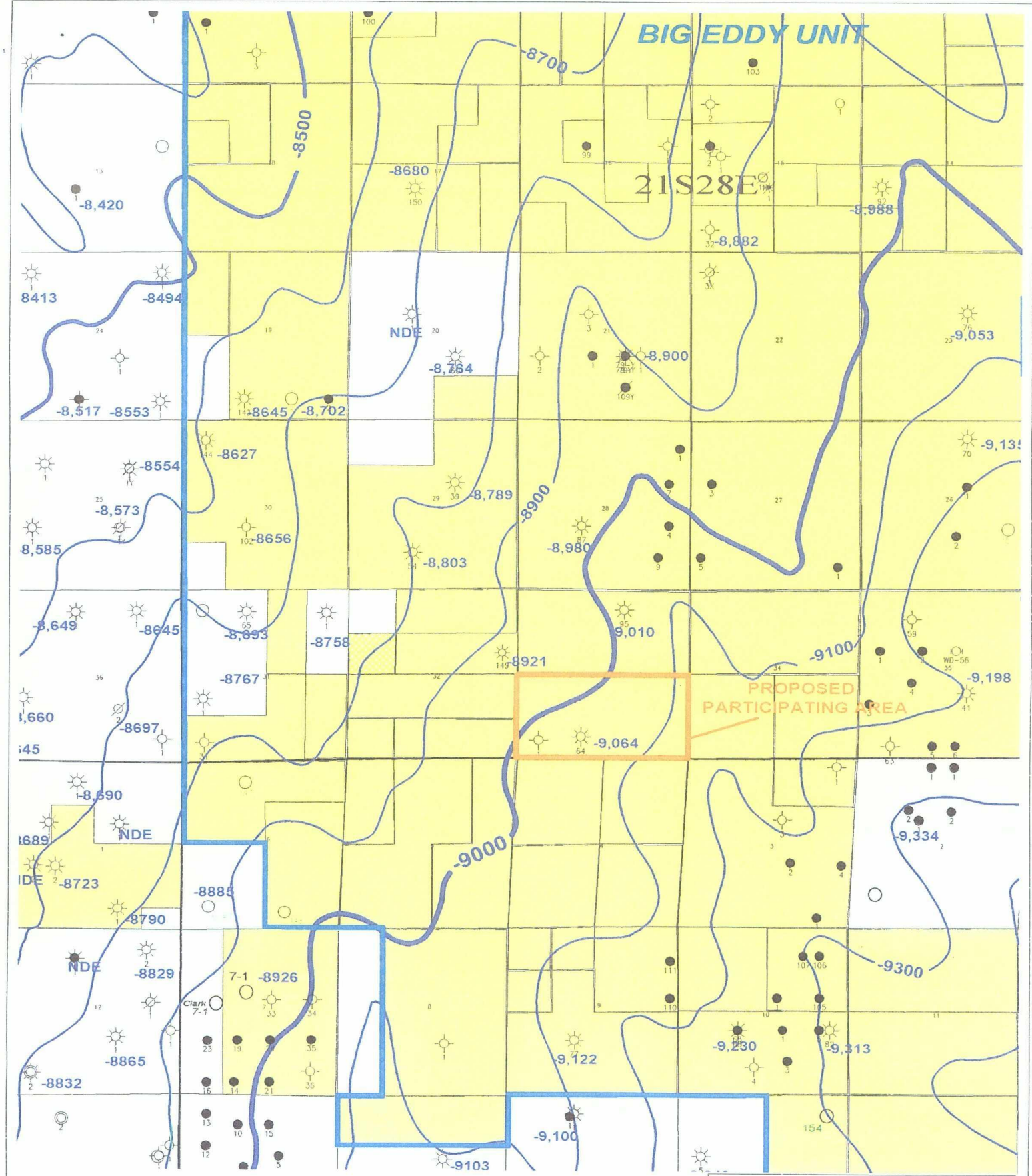
21S28E

PROPOSED PARTICIPATING AREA

Scale 1:48000



Bass Enterprises Production Company		
BIG EDDY UNIT NO. 64 Proposed Participating Area MORROW PRODUCTION THRU 12-2005		
5/4/05 01-107	1-4000	5/26/2006
sp new memo	dg-bj add unit	Interprod



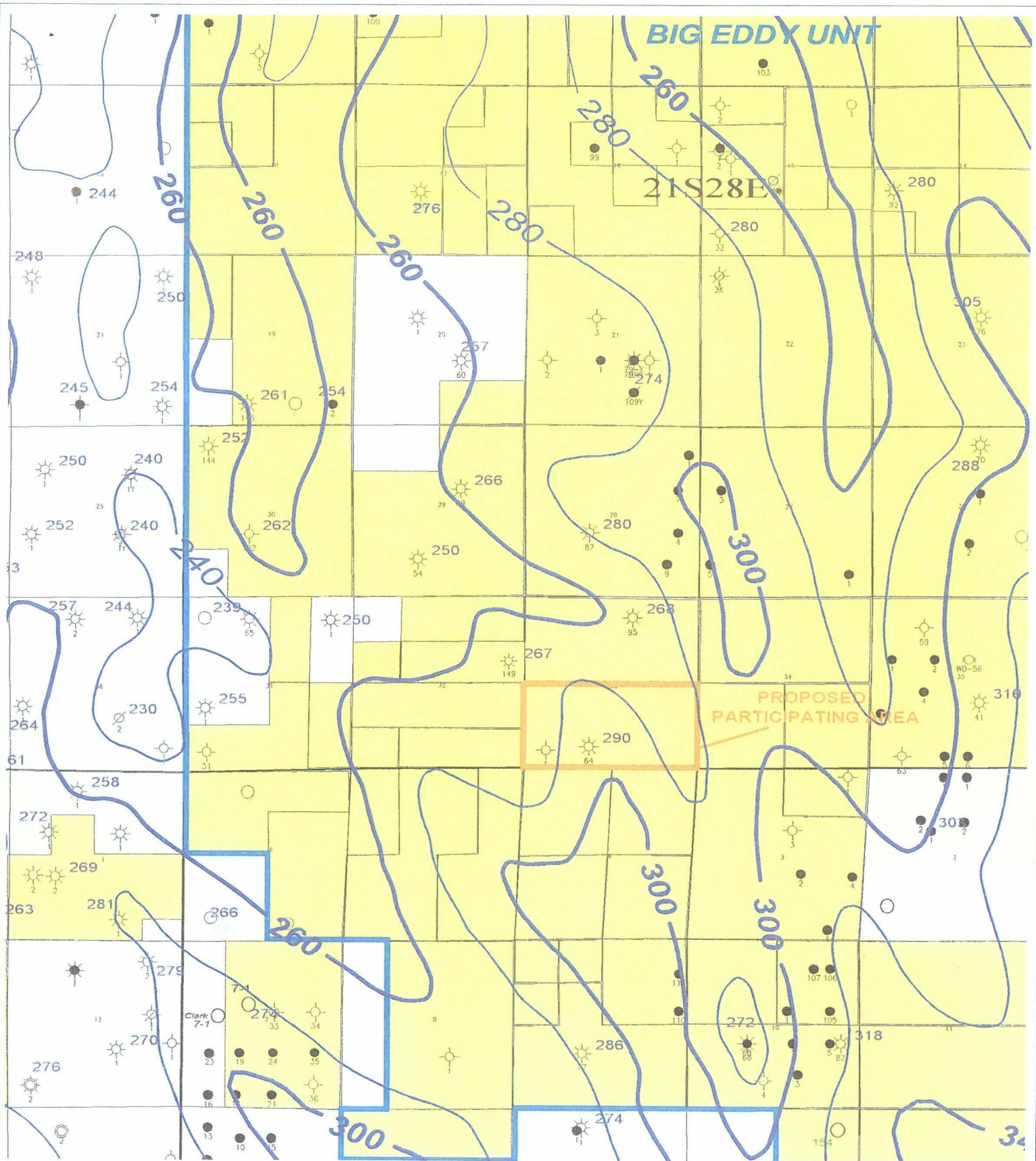
Scale 1:48000



Bass Enterprises Production Company

BIG EDDY UNIT NO. 64
Proposed Participating Area
STRUCTURE: T/LOWER MORROW

SH/4g 01-100	1-1000	1/24/2006
sh-mw-memo	sh-bq-eddy-unit-64	lmsmstru01



Scale 1:48000



Bass Enterprises Production Company

BIG EDDY UNIT NO. 64
Proposed Participating Area
GROSS ISOPACH - MIDDLE MORROW

Drawn by: J. L. 2/01	Reviewed by: J. L. 2/01	Date: 5/26/2006
Checked by: J. L. 2/01	Checked by: J. L. 2/01	Checked by: J. L. 2/01

BIG EDDY UNIT

21S28E

PROPOSED PARTICIPATING AREA

Scale 1:45000

1000 0 1000 2000 3000 4000 5000 feet



Bass Enterprises Production Company

BIG EDDY UNIT NO. 64
Proposed Participating Area
MIDDLE MORROW SAND #2 H > 7% POROSITY

GW/sg 0.4-5	1:4500	5/26/2006
sg= new stream	sg= box and ink	mark=247 gpt

Schlumberger

SIMULTANEOUS COMPENSATED NEUTRON- FORMATION DENSITY

COUNTY	FIELD	LOCATION	WELL	COMPANY
			API 30 015 23131	
COMPANY <u>BASS ENTERPRISES PROD.</u>				
COMPANY				
WELL <u>BIG EDDY UNIT #64</u>				
FIELD <u>UNDESIGNATED</u>				
COUNTY <u>EDDY</u> STATE <u>NEW MEXICO</u>				
LOCATION <u>660' FSL & 1980' FWL</u>				Other Services:
API SERIAL NO. SEC. TWP. RANGE				DLL/RXO
33 21S 28E				HDT

Permanent Datum: <u>Ground Level</u>	Elev.: <u>3147.2</u>
Log Measured From <u>KB</u>	Elev.: K.B. <u>3166</u>
Drilling Measured From <u>KB</u>	D.F. <u>—</u>
	G.L. <u>3147.2</u>

Date	<u>6-29-80</u>					
Run No.	<u>ONE</u>					
Depth-Driller	<u>12486</u>					
Depth-Logger	<u>12486</u>					
Btm. Log Interval	<u>12485</u>					
Top Log Interval	<u>0</u>					
Casing-Driller	<u>8 5/8</u>	<u>@ 2556</u>	<u>@</u>			
Casing-Logger	<u>2555</u>					
Bit Size	<u>7 7/8</u>					
Type Fluid in Hole	<u>Driscopac/KCL</u>					
Dens.	Visc.	<u>10.6</u>	<u>38</u>			
pH	Fluid Loss	<u>11.0</u>	<u>10.8 ml</u>			
Source of Sample	<u>PET</u>					
Rm @ Meas. Temp.	<u>.053</u>	<u>@ 78 °F</u>	<u>@</u>	<u>°F</u>	<u>@</u>	<u>°F</u>
Rmf @ Meas. Temp.	<u>.04</u>	<u>@ 78 °F</u>	<u>@</u>	<u>°F</u>	<u>@</u>	<u>°F</u>
Rmc @ Meas. Temp.	<u>—</u>	<u>@ — °F</u>	<u>@</u>	<u>°F</u>	<u>@</u>	<u>°F</u>
Source: Rmf	Rmc	<u>m</u>	<u>—</u>			
Rm @ BHT	<u>.02</u>	<u>@ 190 °F</u>	<u>@</u>	<u>°F</u>	<u>@</u>	<u>°F</u>
Circulation Stopped	<u>0520/6-29</u>					
Logger on Bottom	<u>1500/6-29</u>					
Max. Rec. Temp.	<u>190 °F</u>			<u>°F</u>	<u>°F</u>	<u>°F</u>
Equip.	Location	<u>8075</u>	<u>Hobbs</u>			
Recorded By	<u>Howard</u>					
Witnessed By Mr.	<u>GEVECKER</u>					

Schlumberger

**SIMULTANEOUS
DUAL LATEROLOG
MICRO-SFL**

COUNTY FIELD LOCATION WELL COMPANY	COMPANY <u>BASS ENTERPRISES PRODUCTION</u> <u>COMPANY</u>			
	WELL <u>BIG EDDY UNIT #64</u>			
	FIELD <u>UNDESIGNATED</u>			
	COUNTY <u>EDDY</u>		STATE <u>NEW MEXICO</u>	
	LOCATION <u>660' FSL 3 1980' FWL</u>			
API SERIAL NO. SEC. TWP RANGE <u>33</u> <u>21S</u> <u>28E</u>				Other Services: <u>CNL/FDC</u>

Permanent Datum: <u>Ground Level</u> ; Elev.: _____		Elev.: K.B. <u>3166</u> D.F. _____ G.I. <u>3147.2</u>
Log Measured From <u>KB</u> <u>18.8</u> Ft. Above Perm. Datum		
Drilling Measured From <u>KB</u>		

Date	<u>6-30-80</u>					
Run No.	<u>ONE</u>					
Depth-Driller	<u>12486</u>					
Depth-Logger (Schl.)	<u>12486</u>					
Btm. Log Interval	<u>12472</u>					
Top Log Interval	<u>2555</u>					
Casing-Driller	<u>8 7/8</u>	@ <u>2556</u>	@	@	@	
Casing-Logger	<u>2555</u>					
Bit Size	<u>7 7/8</u>					
Type Fluid in Hole	<u>DRISPAK/KEL</u>					
Dens.	Visc.	<u>10.6</u>	<u>38</u>			
pH	Fluid Loss	<u>11.6</u>	<u>10.8</u> ml	ml	ml	ml
Source of Sample	<u>PIT</u>					
Rm @ Meas. Temp.	<u>.053</u>	@ <u>78</u> °F	@	°F	@	°F
Rmf @ Meas. Temp.	<u>.04</u>	@ <u>78</u> °F	@	°F	@	°F
Rmc @ Meas. Temp.	—	@ — °F	@	°F	@	°F
Source: Rmf	Rmc	<u>m</u>				
Rm @ BHT	<u>.02</u>	@ <u>190</u> °F	@	°F	@	°F
TIME	Circulation Stopped	<u>0500/6-29</u>				
	Logger on Bottom	<u>0900/6-30</u>				
	Max. Rec. Temp.	<u>190</u> °F		°F		°F
Equip.	Location	<u>3075</u>	<u>Hobbs</u>			
Recorded By	<u>Howard</u>					
Witnessed By Mr.	<u>Geuecker</u>					

T/Middle Morrow

B.E.U. No. 64

12000

12100

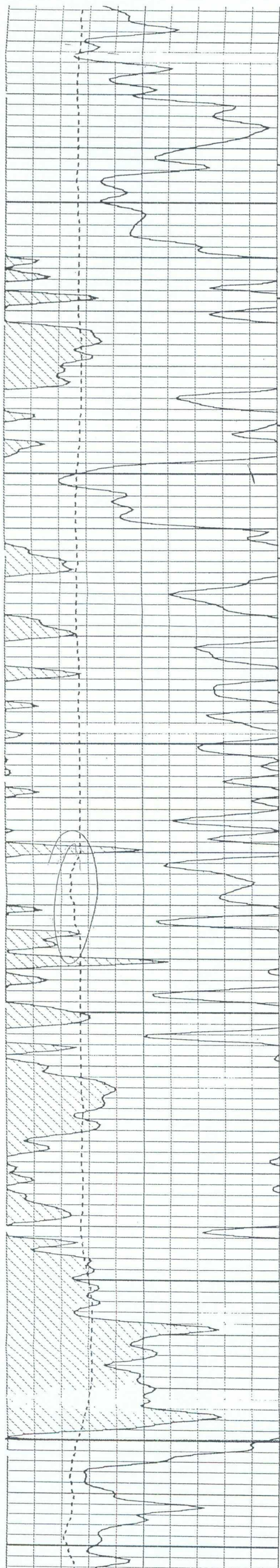


12200

T/Lower Morrow

PFs 12124-48
Initial Prod 9/29/04
IP 2075 MCF/D

GR (GAPI)			
100.0	200.0		
CALI (IN)		NPHI (lines)	
6.000	16.00	0.3000	-0.100
GR (GAPI)		DPHI (lines)	
0.0	100.0	0.3000	-0.100



12000

BEU 64

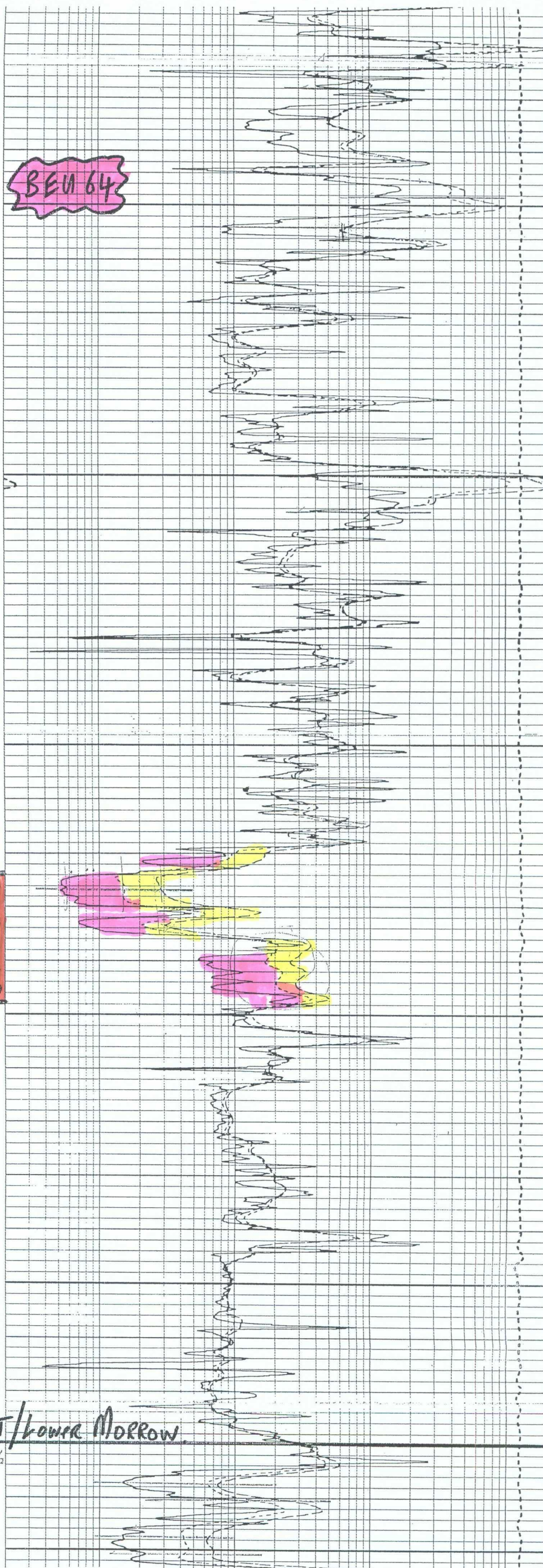
12100



12200

T/Lower Morrow

-100ft



GR (GAPI)	
100.0	200.0
CALI (IN)	
6.000	16.00
GR (GAPI)	
0.0	100.0

LLD (DHMM)	
2000.	200000
MSFL (DHMM)	
0.2000	2000.
LLS (DHMM)	
0.2000	2000.
LLD (DHMM)	
0.2000	2000.

VHD

SH:DK GY,GY,LT GY,SILTY,
GMY,LMY IP
LMS:GY,BN,TN,MOTT,VF-
MXLN;SO BN,GY,DNS
OOL,FOSS

LMS:CRM,TN,GY,LT BN,VF
CSXLN,SFT-HD;SO DK
GY,FRM-HD,F-MXLN,
BN,VFN,DNS,HD,OOL,
FOSS

SS:CLR,ANG,UNCON,CS-V65,
VF-FG,MCONS,WELL
SRTD,TITE,FRIAB,TRC
PYR

SH:GY,DK GY,SILTY,GMY,
LMY IP

SS:CLR,WH,OFF WH,MCONS
10.6,37,12, 11,163000

SS:CLR,WH,OFF WH,VF-MG
MCONS-WELL CONS,
TITE,WELL SRTD,
FRIAB

LMS:TN,CRM,W/ ABUN OOL
FOSS,VFN MTRX,FRM
-HD,TRC VFN BN,DNS
SH,DK GY,GY,MFRM,SLT LMY

LMS:TN,BN,GY,VF-FXLN,
FRM-HD,DNS:TRC DK GY
GY,FRM,FOSS

SS:WH,CLR,CRM,F-MXLN,
SO **CSG-VCSGRN**,SBRD
WELL CONS,TITE,WELL
SRTD,SO LMY CMNT

SH:DK GY,GY,LT GY,MFRM,
LMY IP:GY,SILTY,GMY

LMS:TN,BN,GY,VFN-FXLN
FRM-HD,DNS;TRC DK
GY

SS:CLR,ANG,**CS-VCSGRN**,
UNCON,VHD:WH,CLR,
F-MGRN,FRIAB,TITE
N FLOUR,N CUT

SH:DK GY,GY,LT GY,MFRM,
LMY IP

SH:DK GY,GY,LT GY,MFRM,
SO GY, SILTY,GMY,
LMY IP

SS:WH,TN,LT GY,F-MXLN,
FRIAB-HD,M CONS,
TITE-VTITE,WELL SRTD
SO LMY CMNT:ANG,CSG
VHD
TRC COAL

SS:CLR,CS-VCSGRN,ANG,
UNCONS,FAIR SRTNG

SH:DK GY,GY,LT GY,MSFT
-FRM,LMY IP;GY,
SILTY,GMY

LMS:GY,TN,CRM,BN,VF-FX
ABUN OOL MATERIAL,
:DK GY,MFRM,FOSS
TRC COAL

SS:CLR,ANG,CS-VCSGRN,IP

THRU SEPERATOR

THRU SEPERATOR

WOB-45000
RPM-45
PP-2100

6/27/80

C.O.

C.O.