

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, 2007

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  
BEPCO, L.P.

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

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 L, 1760' FSL, 820' FWL, LAT. N 32.361389, LONG W 104.047306

At top prod. interval reported below SAME

At total depth SAME

5. Lease Serial No.  
NMLC069159A

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.  
NMNM68294X

8. Lease Name and Well No.

BIG EDDY UNIT 171

9. API Well No.

30-015-35591

10. Field and Pool, or Exploratory

DUBLIN RANCH (MORROW)

11. Sec., T., R., M., on Block and

Survey or Area SEC 25, T22S, R28E

12. County or Parish

EDDY

13. State

NM

14. Date Spudded

05/07/2008

15. Date T.D. Reached

07/10/2008

16. Date Completed

☐ D & A ☒ Ready to Prod.

10/11/2008

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

3134'

18. Total Depth: MD 12764'  
TVD

19. Plug Back T.D.: MD 12611'  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)  
LDT-CNL-GR; HLA-CFL-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"	48 &	0'	440'		405 SXS		0' CIRC.	
12-1/4"	9-5/8"	54.5#	0'	2766'		895 SXS		0' CIRC	
8-3/4"	5-1/2"	36#	0"	12700'	7450'	1340 STG 1		7450' CIRC	
		17 & 20#				1625 STG 2		0' CIRC	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
NA								

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Morrow	12057'	12700'	12462-12492'	0.380"	32	PRODUCING
B)			12522-12534'	0.038"	24	PRODUCING
C)			12543-12584'	0.038"	22	PRODUCING
D)						

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

Depth Interval	Amount and Type of Material
12462-12584'	NO STIMULATION

RECEIVED

NOV 20 2010

NMOCD ARTESIA

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
10/11/08	10/22/08	24	→	0	1611	0			FLOWING
Choice Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
21/64"	SI 1000	0	→				NA	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	140'
				T/SALT	380'
				T/DELAWARE MTN. GROUP	2780'
				T/BELL CANYON	2825'
				T/BONE SPRING	6390'
				T/WOLFCAMP	9706'
				T/STRAWN	11126"
				T/ATOKA	11426'
				T/MORROW	12057'

32. Additional remarks (include plugging procedure):

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 Survey

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 SENIOR PRODUCTION CLERK

Signature



Date 10/24/2008

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.

# CURRENT WELLBORE DIAGRAM

Lease: **Big Eddy Unit** Well No.: **171**  
 Field: **Dublin Ranch (Morrow)**  
 Location: **1760' FSL & 820' FWL, Sec 25-T22S-R28E**  
 County: **Eddy** St: **NM** API: **30-015-35591**

KB: 3152' (est)  
 GL: 3134.0  
 Spud Date: 5/7/2008  
 Compl. Date:

## Surface Csg.

Size: 13-3/8"  
 Wt: 54.5# 48#  
 Grd. J-55 H-40  
 Set @: 440' 359'  
 Sxs cmt: 405 sx  
 Circ: Yes 85 sx  
 TOC: Surface  
 Hole Size: 17-1/2"

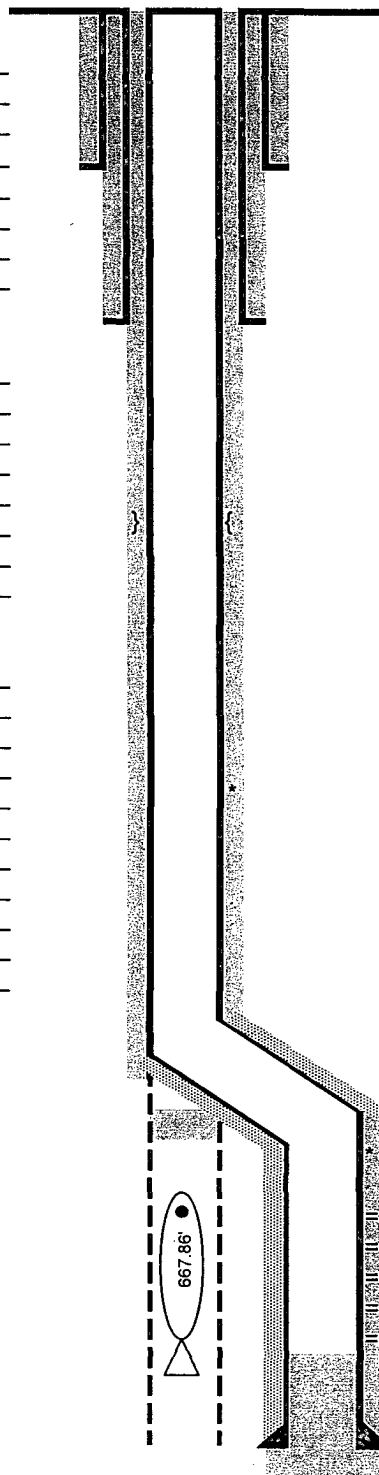
## Intermediate Csg.

Size: 9-5/8"  
 Wt: 36#  
 Grd J55 LTC  
 Set @: 2766'  
 Sxs Cmt: 895 sx  
 Circ: Yes 87 sxs  
 TOC: Surface  
 Hole Size: 12-1/4"

## Production Csg.

Size: 5-1/2"  
 Wt: 17# 20#  
 Grd HCP110 P-110  
 Set @: 9960' 12700'  
 Stage 1: 1340 sxs  
 Circ: Y Trace  
 TOC: 7450'  
 Stage 2: 1625 sxs  
 Circ: Y  
 TOC: Surface 51 sx  
 Hole Size: 8-3/4"

## Tubing



440' 13-3/8" (Csg Dtl)  
 2766' 9-5/8" (by Csg Detail)  
 7450' DV Tool (by Csg Detail)  
 10909' 1' Marker jt  
 12084' Sidetrack Plug  
 12302' 1' Marker jt  
 12462-468' M Morrow Perfs (12 holes/5 pure sh  
 12482-492' M Morrow Perfs (20 holes/5 pure sh  
 12522-534' M Morrow Perfs (24 holes/10 pure s  
 12543-548' M Morrow Perfs (10 holes/3 pure sh  
 12578-584 M Morrow Perfs (2 holes/5 pure shc  
 12611' FC (by Csg Detail)  
 12698' 5-1/2" Csg Shoe (by Csg Detail)  
 12700' Drillers TD

PBTD: 12611' Float Collar  
 TD: 12700' (Drillers TD)  
 TD: 12764' (Loggers TD)

Updated: 10/22/2008  
 Author: ezg  
 Engr: RSD

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

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

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

DISTRICT IV  
1220 St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

Form C-102  
Revised October 12, 2005

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-35591	Pool Code 76140	Pool Name Dublin Ranch (Morrow)
Property Code 069159	Property Name BIG EDDY UNIT	Well Number 171
OGRID No. 001801	Operator Name BEPCO, L.P.	Elevation 3134'

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 12	25	22 S	28 E		1760	SOUTH	820	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
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

LOT 4 42.31 ACRES	LOT 3 42.39 ACRES	LOT 2 42.46 ACRES	LOT 1 42.53 ACRES
LOT 5 42.30 ACRES	LOT 6 42.37 ACRES	LOT 7 42.44 ACRES	LOT 8 42.50 ACRES
LOT 12 42.28 ACRES	LOT 11 42.34 ACRES	LOT 10 42.40 ACRES	LOT 9 42.46 ACRES
LOT 13 42.25 ACRES	LOT 14 42.32 ACRES	LOT 15 42.39 ACRES	LOT 16 42.45 ACRES

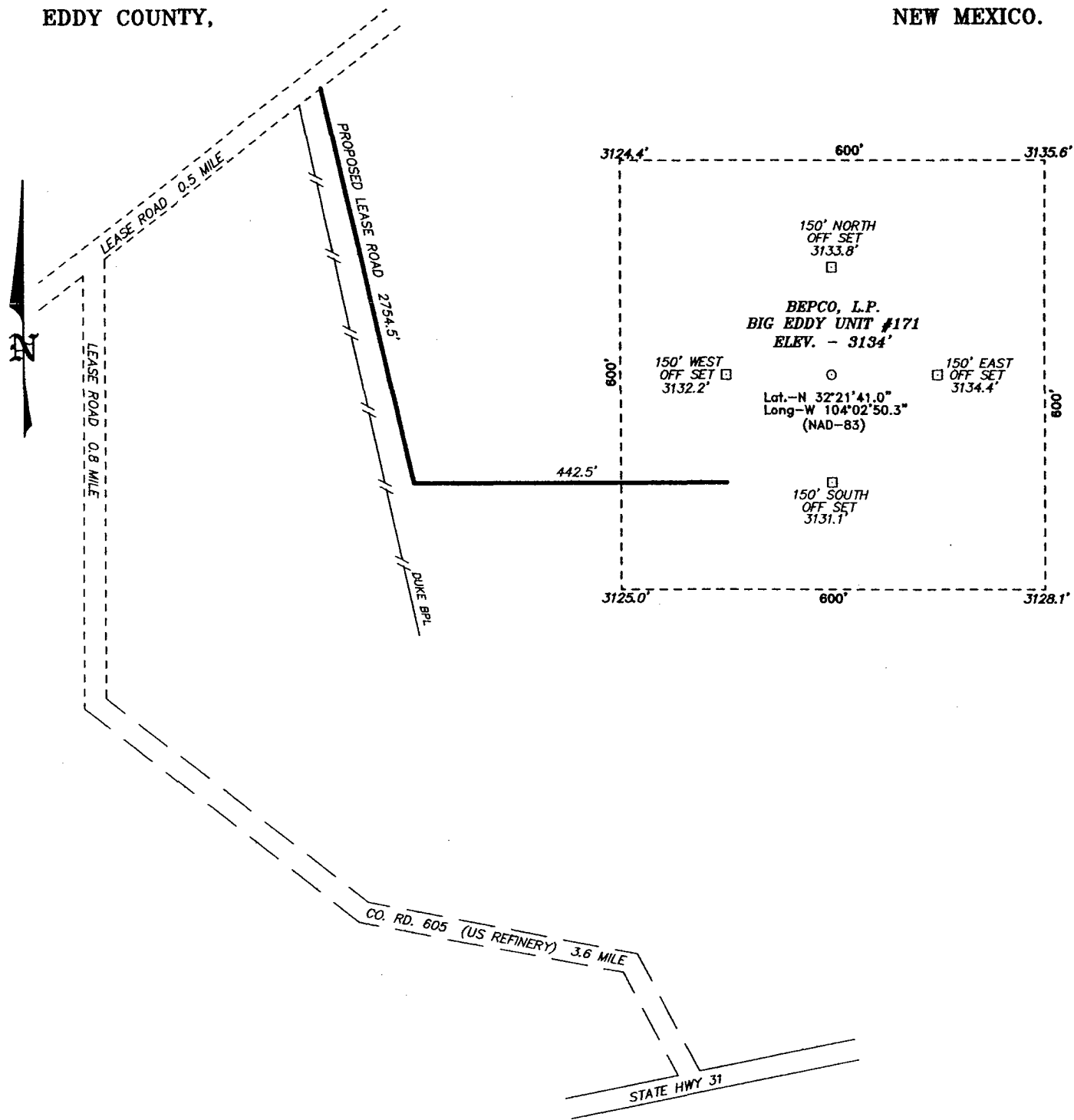
3124.4' 3135.8' 3125.0' 3128.1' 820' 1760'

LAT - N32°21'41.0"  
LONG - W104°02'50.3"  
(NAD-83)

**OPERATOR CERTIFICATION**  
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.  
*C. K. Jenkins by [Signature]* 2/27/07  
Signature Date  
C. K. (Buddy) Jenkins  
Printed Name

**SURVEYOR CERTIFICATION**  
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  
DECEMBER 05, 2006  
Date Surveyed  
Signature of Surveyor  
Professional Surveyor  
7977  
Certificate No. Gary L. Jones 7977  
BASIN SURVEYS

SECTION 25, TOWNSHIP 22 SOUTH, RANGE 28 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO.



DIRECTIONS TO LOCATION:

FROM THE JUNCTION OF STATE HWY 31 AND US REFINERY, PROCEED NORTHWEST ON US REFINERY FOR 3.6 MILES TO LEASE ROAD, ON LEASE ROAD PROCEED NORTHEAST 0.5 MILE THENCE NORTH 0.8 MILE THENCE NORTHWEST 0.5 MILE TO PROPOSED LEASE ROAD AT DUKE R.O.W.

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

W.O. Number: 17460

Drawn By: J. SMALL

Date: 12-06-2006

Disk: 17460W JMS

**BEPCO, L.P.**

REF: BIG EDDY UNIT #171 / WELL PAD AND TOPO

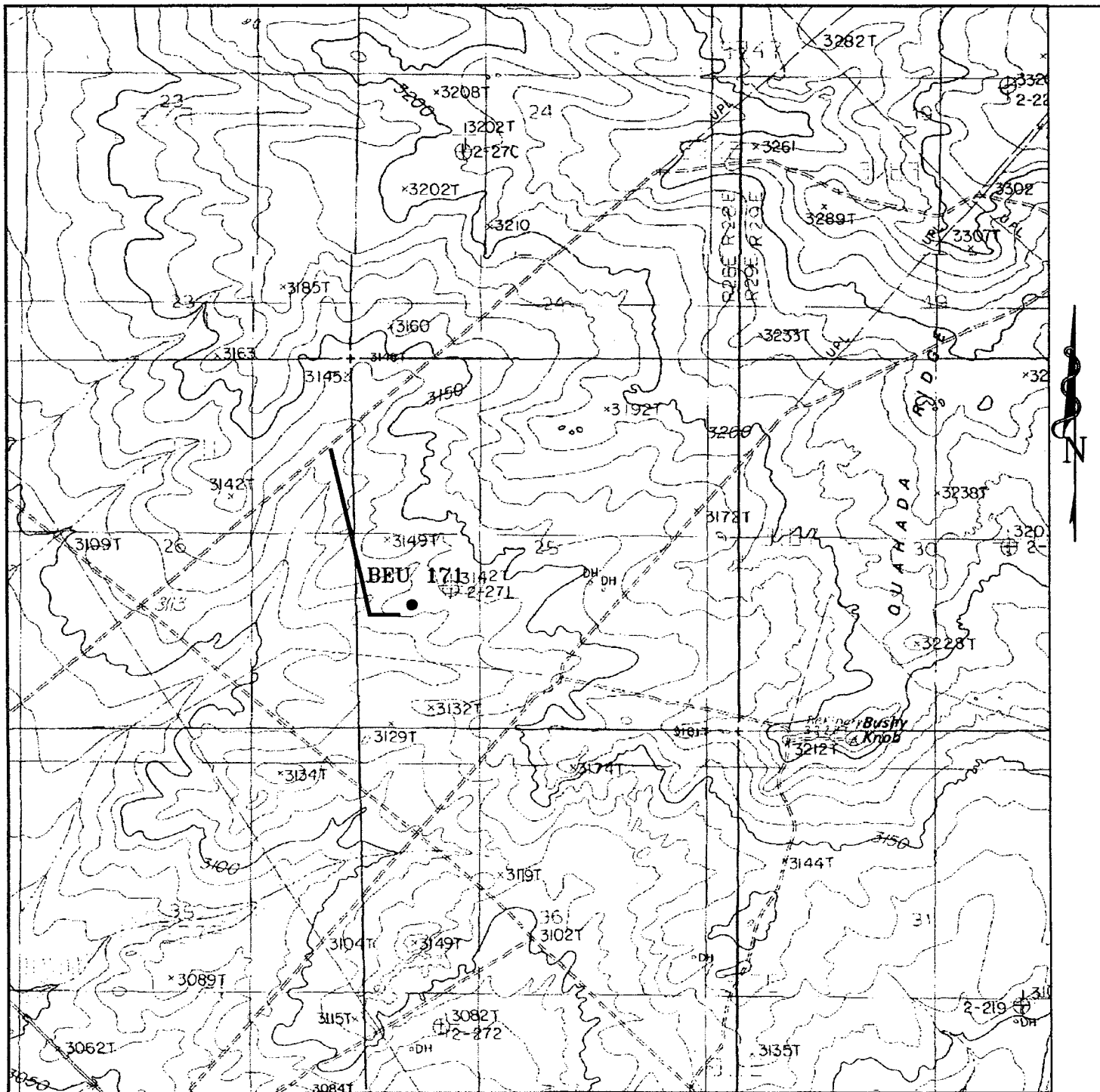
THE BIG EDDY UNIT No. 171 LOCATED 1760'

FROM THE SOUTH LINE AND 820' FROM THE WEST LINE OF  
SECTION 25, TOWNSHIP 22 SOUTH, RANGE 28 EAST,

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

Survey Date: 12-05-2006

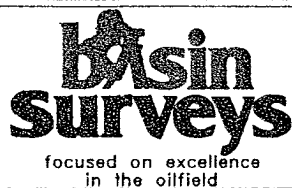
Sheet 1 of 1 Sheets



# **BIG EDDY UNIT #171**

1760' FSL and 820' FWL

Section 25, Township 22 South, Range 28 East,  
N.M.P.M., Eddy County, New Mexico.



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

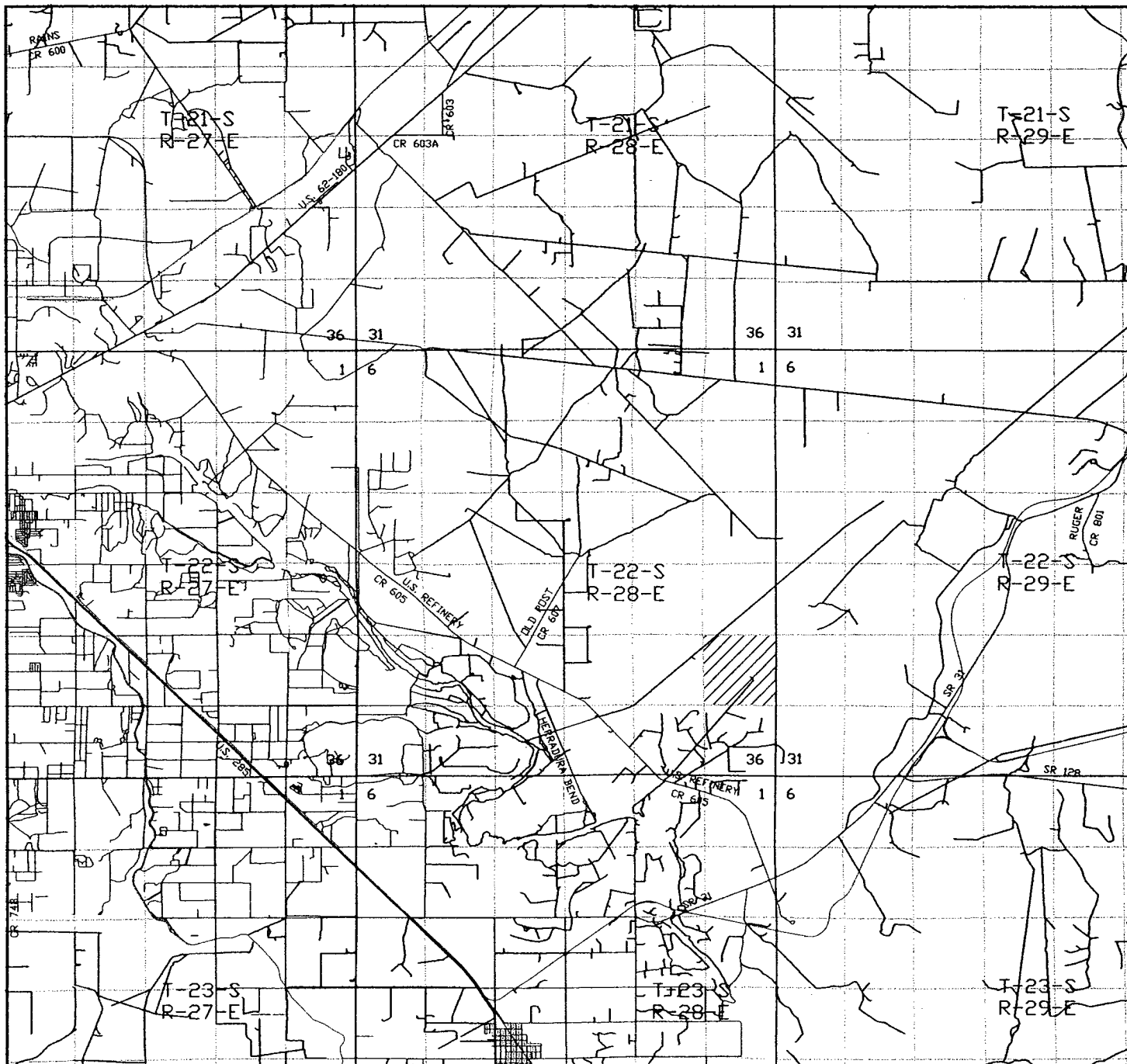
W.O. Number: JMS 17460T

Survey Date: 12-05-2006

Scale: 1" = 2000'

Date: 12-06-2006

**BEPCO, L.P.**



**BIG EDDY UNIT #171**  
**1760' FSL and 820' FWL**  
**Section 25, Township 22 South, Range 28 East,**  
**N.M.P.M., Eddy County, New Mexico.**



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

W.O. Number: JMS 17460T

Survey Date: 12-05-2006

Scale: 1" = 2 MILES

Date: 12-06-2006

**BEPCO, L.P.**

**Schlumberger**

Company: BEPCO, L.P.

Well: Big Eddy Unit No. 171

Field: Dublin Ranch (Morrow)

County: Eddy

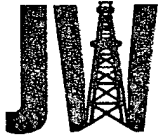
State: New Mexico

County: Eddy Field: Dublin Ranch (Morrow) Location: 1760' FSL & 820' FWL Well: Big Eddy Unit No. 171 Company: BEPCO, L.P.	<b>PLATFORM EXPRESS HI-RES LATEROLOG / ARRAY INDUCTION / MCFL FINAL COMPOSITE</b>						
	1760' FSL & 820' FWL			Elev.: K.B. 3151.20 ft G.L. 3132.50 ft D.F. 3149.90 ft			
	Permanent Datum: GROUND LEVEL			Elev.: 3132.50 ft			
	Log Measured From: KELLY BUSHING			18.70 ft above Perm. Datum			
Drilling Measured From: KELLY BUSHING							
API Serial No. 30-015-35591		Section 25		Township 22 S		Range 28 E	
Logging Date		22-May-2008		11-Jun-2008			
Run Number		ONE		Two			
Depth Driller		9151 ft		12759 ft			
Schlumberger Depth		9148 ft		12764 ft			
Bottom Log Interval		9143 ft		12761 ft			
Top Log Interval		2766 ft		2766 ft			
Casing Driller Size @ Depth		9.625 in @ 2766 ft		9.626 in @ 2766 ft			
Casing Schlumberger		2765 ft		2766 ft			
Bit Size		8.750 in		8.750 in			
Type Fluid In Hole		Fresh Mud		Brine			
MUD	Density	Viscosity	8.1 lbm/gal	28 s	11 lbm/gal	36 s	
	Fluid Loss	PH				9	
	Source Of Sample		Mud Pit		Circulation Tank		
	RM @ Measured Temperature		0.090 ohm.m @ 95 degF		0.042 ohm.m @ 92 degF		
RMF @ Measured Temperature		0.068 ohm.m @ 95 degF		0.042 ohm.m @ 92 degF			
RMC @ Measured Temperature		0.135 ohm.m @ 95 degF		@			
Source RMF	RMC	Calculated	Calculated	Measured			
RM @ MRT	RMF @ MRT	0.063 @ 140	0.047 @ 140	0.022 @ 185	0.022 @ 185		
Maximum Recorded Temperatures		140 degF		185 degF			
Circulation Stopped	Time	22-May-2008 9:00		11-Jun-2008 4:30			
Logger On Bottom	Time	22-May-2008 18:15		11-Jun-2008 16:25			
Unit Number	Location	7006 Farmington		2357 Roswell			
Recorded By		Toni McKnight		Nathaniel Greenstein			
Witnessed By		Simianne Hayden		Simianne Hayden			



**Schlumberger**Company: **BEPCO, L.P.**Well: **Big Eddy Unit No. 171**Field: **Dublin Ranch (Morrow)**County: **Eddy** State: **New Mexico**

County: Eddy Field: Dublin Ranch (Morrow) Location: 1760' FSL & 820' FWL Well: Big Eddy Unit No. 171 Company: BEPCO, L.P.	<b>PLATFORM EXPRESS DENSITY / NEUTRON FINAL COMPOSITE</b>								
	LOCATION								
	1760' FSL & 820' FWL				Elev.: K.B. 3151.20 ft G.L. 3132.50 ft D.F. 3149.90 ft				
	Permanent Datum: <u>GROUND LEVEL</u> Log Measured From: <u>KELLY BUSHING</u> Drilling Measured From: <u>KELLY BUSHING</u>				Elev.: <u>3132.50 ft</u> 18.70 ft above Perm. Datum				
API Serial No. 30-015-35591		Section 25		Township 22 S		Range 28 E			
Logging Date		22-May-2008		11-Jun-2008					
Run Number		ONE		Two					
Depth Driller		9151 ft		12759 ft					
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Casing Schlumberger		2765 ft		2766 ft					
Bit Size		8.750 in		8.750 in					
Type Fluid In Hole		Fresh Mud		Brine					
MUD	Density	Viscosity	8.1 lbm/gal	28 s	11 lbm/gal	36 s			
	Fluid Loss	PH				9			
	Source Of Sample		Mud Pit		Circulation Tank				
	RM @ Measured Temperature		0.090 ohm.m @ 95 degF		0.042 ohm.m @ 92 degF				
RMF @ Measured Temperature		0.068 ohm.m @ 95 degF		0.042 ohm.m @ 92 degF					
RMC @ Measured Temperature		0.135 ohm.m @ 95 degF		@					
Source RMF	RMC	Calculated	Calculated	Measured					
RM @ MRT	RMF @ MRT	0.063 @ 140	0.047 @ 140	0.022 @ 185	0.022 @ 185				
Maximum Recorded Temperatures		140 degF		185 degF					
Circulation Stopped		Time	22-May-2008	9:00	11-Jun-2008	4:30			
Logger On Bottom		Time	22-May-2008	18:15	11-Jun-2008	16:25			
Unit Number		Location		7006	Farmington	2357	Roswell		
Recorded By		Toni McKnight		Nathaniel Greenstein					
Witnessed By		Simianne Hayden		Simianne Hayden					



# DRILLING INC. Oil Well Drilling Contractor

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

July 14, 2008

OGE Drilling, Inc.  
550 W. Texas, Suite 1140  
Midland, Texas 79701

Re: Big Eddy Unit #171  
Sec. 25, T-22-S, R-28-E  
Eddy County, New Mexico

Attn: Mickey Dobson

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

149' - 1°	3648' - 0.5°	9398' - 2.25°
420' - 1°	4147' - 0.75°	9862' - 3°
650' - 1.5°	4617' - 0.75°	10172' - 2°
930' - 1.5°	5086' - 0.5°	10668' - 2°
1181' - 1°	5524' - 1°	11163' - 0.75°
1398' - 1°	6024' - 1°	11600' - 1°
1523' - 1.25°	6338' - 1.25°	11943' - 3°
1618' - 1.25°	6808' - 0.75°	12294' - 3°
1931' - 2.25°	7308' - 0.75°	12700' - 3°
2119' - 2.5°	7807' - 2.5°	
2368' - 3.5°	7997' - 2.5°	
2525' - 1.75°	8185' - 1°	
2745' - 1°	8654' - 2°	
3208' - 0.75°	9119' - 2.5°	



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 July, 2008 by Gary W. Chappell.

MY COMMISSION EXPIRES

Sept. 1, 2009

Barbara L. Carey  
NOTARY PUBLIC

SM  
9/25/08

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

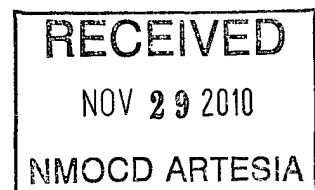
432-683-2277

FAX: 432-687-0329

October 24, 2008

**Re: Big Eddy Unit #171  
Dublin Ranch (Morrow)  
Eddy County, NM  
File: 100-WF: BEU171.CNF**

Bureau of Land Management  
620 E. Greene Street  
Carlsbad, NM 88220-6292



Gentlemen:

BEPCO, L.P. respectfully requests that the above subject well be held confidential for the maximum period of time.

If you should have any questions, please contact Ann Moore at the above letterhead address or via email [@camoore@basspet.com](mailto:@camoore@basspet.com).

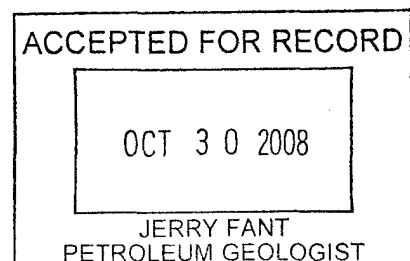
Sincerely,

A handwritten signature in cursive script that reads "Ann Moore".

Ann Moore  
Senior Production Clerk

cam

Attachments



A handwritten checkmark in the bottom right corner of the page.