

N.M. Oil & Gas Field No. 2
1301 W. Grand Avenue
Artesia, NM 88210

Form 3160-4
(April 2004)

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 **Tandem Energy Corporation**

3. Address **P.O. Box 1559 Midland, TX 79702-1559**

3a. Phone No. (include area code)
432-686-7136

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface **1125' FNL, 115' FWL**

At top prod. interval reported below

At total depth **same**

14. Date Spudded
04/25/2006

15. Date T.D. Reached
05/24/2006

16. Date Completed **06/07/2006**
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
3556'

18. Total Depth: MD **3090'**
TVD **3090'**

19. Plug Back T.D.: MD **3058'**
TVD **3058'**

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
GR/CCL/CNL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
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
11"	8-5/8"	24#	surface	355'		300 sx "C"	72	surface	N/A
7-7/8"	5-1/2"	17#	surface	3088'		800 sx "C"	204	???	N/A

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	3054'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Grayburg	2450'	2662'	2420'-2657'	0.45"	18	open
B) San Andres	2663'		2789'-3049'	0.45"	18	open
C)						
D)						

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

Depth Interval	Amount and Type of Material
2420'-2657'	Acidize 3000 gals 15% NEFe HCl
2420'-2657'	Frac 3,500 gals, 108,100 # 40/30 Brown
2789'-3049'	Acidize 3500 gals 15 % NEFe HCl
2789'-3049'	Frac 39,500 gals, 108,000 # 20/40 Ottawa

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
07/29/2006	08/13/2006	24	→	31		84			Pumping—Combined San Andres & Grayburg
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	SI		→	31		84		Producing	

28a. Production - Interval B

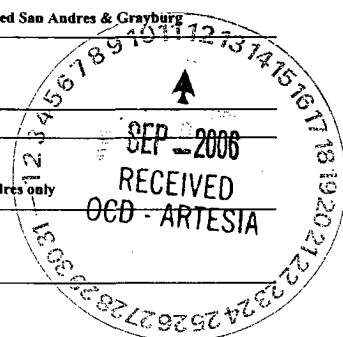
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
06/24/2006	07/10/2006	24	→	11		16			Pumping—San Andres only
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	SI		→	11		16		Producing	

*(See instructions and spaces for additional data on page 2)

ACCEPTED FOR RECORD

SEP - 7 2006

ALEXIS C. SWORODA
PETROLEUM ENGINEER



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	

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	

used for fuel

Show all important zones of 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.

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth

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

Date _____

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