

Form 3160-4  
(April 2004)

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**S**

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NM-LC-058603
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other _____		6. If Indian, Allottee or Tribe Name
2. Name of Operator <b>Tandem Energy Corporation</b>		7. Unit or CA Agreement Name and No. NM 68291X
3. Address <b>P.O. Box 1559 Midland, TX 79702-1559</b>	3a. Phone No. (include area code) 432-686-7136	8. Lease Name and Well No. BGS AU # 12: 004
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface <b>1125' FNL, 115' FWL</b>  At top prod. interval reported below  At total depth <b>same</b>		9. AFI Well No. 30-015-34661 S1
14. Date Spudded 04/25/2006		10. Field and Pool, or Exploratory <b>Loco Hills QU-GB-SA</b>
15. Date T.D. Reached 05/24/2006		11. Sec., T., R., M., on Block and Survey or Area <b>8-18S-29E</b>
16. Date Completed <b>06/07/2006</b> <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		12. County or Parish <b>Eddy</b> 13. State <b>NM</b>
18. Total Depth. MD <b>3090'</b> TVD <b>3090'</b>		17. Elevations (DF, RKB, RT, GL)* 3556'
19. Plug Back T.D.: MD <b>3058'</b> TVD <b>3058'</b>		
20. Depth Bridge Plug Set: MD TVD		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <b>GR/CCL/CNL</b>		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> 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) <b>Grayburg</b>	<b>2450'</b>	<b>2662'</b>	<b>2420'-2657'</b>	<b>0.45"</b>	<b>18</b>	<b>open</b>
B) <b>San Andres</b>	<b>2663'</b>		<b>2789'-3049'</b>	<b>0.45"</b>	<b>18</b>	<b>open</b>
C)						
D)						

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

Depth Interval	Amount and Type of Material
<b>2420'-2657'</b>	<b>Acidize 3000 gals 15% NEFe HCl</b>
<b>2420'-2657'</b>	<b>Frac 31,500 gals, 108,100 # 40/30 Brown</b>
<b>2789'-3049'</b>	<b>Acidize 3500 gals 15 % NEFe HCl</b>
<b>2789'-3049'</b>	<b>Frac 39,500 gals, 108,000 # 20/40 Ottawa</b>

**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	
			→	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	
			→	11		16			Producing

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

**ACCEPTED FOR RECORD**

**SEP - 7 2006**

ALEXIS C. SWOBODA  
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.

[illegible]

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

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

Date 9/6/06

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