

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
OCD Hobbs

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2014

**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.*

5. Lease Serial No. **236183 NMO6413**  
6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well  
 Oil Well  Gas Well  Other

**RECEIVED**

8. Well Name and No.  
Cactus Federal #3

2. Name of Operator  
Tandem Energy Corporation

9. API Well No.  
30-025-3335 **3002503335**

3a. Address  
2700 Post Oak Blvd., Suite 1000  
Houston, Texas 77056

3b. Phone No. (include area code)  
713-987-7310

10. Field and Pool or Exploratory Area  
Queen

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
330' FNL, 660' FWL  
Section 6 Township 20S Range 35E, NMPM Lea, New Mexico

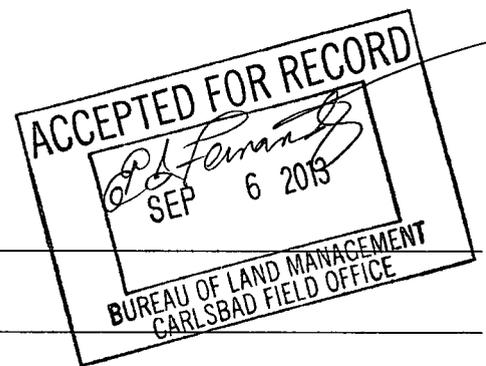
11. County or Parish, State  
Lea, New Mexico

**12. CHECK THE 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 type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input 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 <u>Repair Tubing Leak</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 recomplete 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Moved in and rigged up pulling unit. Released packer at 4578'. Pulled out of hole retrieving only the top part of the packer. Left bottom part of packer in the hole. Run in hole with magnet on tubing to recover and loose metal parts. Pull out of hole with tubing and magnet. Did not recover any lose metal parts of the packer. Run in hole with mill to mill out packer. Milled for three days. When testing tubing coming out of the hole, the tubing testers dropped their bars down hole. Run in hole with overshot and grapple. Recovered the bars. Run in hole with redressed packer pressure testing tubing going in the hole. Circulated well with corrosion inhibited packer fluid. Set packer at setting depth 4540'. Shut in well to go through process to obtain approval for new packer set from NMOCD. Work was done September 5 thru September 17, 2012. Please find attached daily workover reports and an updated wellbore diagram.



14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)  
**SWD-387**  
Rusty Arnold

Title Production Engineer

Signature *Rusty Arnold*

Date 06/07/2013

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

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. **MW1005 9/12/13**

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)

**SEP 12 2013**

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 13* - Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment.

## NOTICES

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

**AUTHORITY:** 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

**PRINCIPAL PURPOSE:** The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

**ROUTINE USES:** Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

**EFFECT OF NOT PROVIDING THE INFORMATION:** Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

RECEIVED

2013 JUN 13 AM 8:35

BUREAU OF LAND MGMT  
CARLSBAD FIELD OFFICE

# TANDEM ENERGY

**WORKOVER DAILY REPORT**

COMPANY: Tandem Energy NAME OF LEASE: CACTUS FED (INJ) CONTRACTOR: RELIABLE WELL SERVICE DATE OF REPORT: 9/5/2012 CUMULATIVE DAYS: 1 PREPARED BY: JOSE CERRILLO	WELL: #3 RIG # AFE# TOTAL:
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<b>CASING DATA</b>	Present Operation:	REPEAR WELL
	PERFORATIONS :	4650'- 4670' (6SPF) 120 HOLES 4830'- 4850' (6SPF) 120 HOLES
	TD:	5030'
PBDT:	4985'	

TYPE	Size	Set @	Cemented with	Date
Conductor				
Surface Casing				
Production Casing	5 1/2"	4610' TO 4950'		
CASING LINER	4 1/2"	4610'		

TUBING DATA					
PULLED			RUN IN HOLE		
TYPE	SIZE	No. OF JTS.	SIZE	No. OF JTS	TAC @
IPC	2 3/8"	141			
	FOOTAGE:	4560'	FOOTAGE:		MUD JT. @
	S.N @		S.N @		

RODS DATA					
PULLED			RUN IN HOLE		
K.D BARS	SIZE	No. OF JTS.	K.D BARS	SIZE	No. OF JTS.
	1"			1"	
	7/8"			7/8"	
	3/4"			3/4"	
	5/8"			5/8"	
PONY RODS			PONY RODS		
PUMP			PUMP		
POLISH ROD			POLISH ROD		
TOTAL:			TOTAL:		

PUMP OUT		PUMP IN			
PACKER DATA	4 1/2"	ARROW SET WITH ON & OFF TOOL & 1.78 PROFILE NIPPLE			
NO PACKER					

Hours Spent	Activity
	TESTED OLD ANCHORS
7:30 AM	MIRU, install B.O.P on, pick up on Tbg. Packer was not on tbg. POOH W/ 141 jts of Tbg., On & Off Tool, profile nipple, top part of packer, was unscrew from mandrel where slips go, slips fall on top of what was left in hole ( bottom part of packer) close well S/I
	NOTE: TOP PART OF PACKER IT'S @ 4577' FROM SURFACE.
5:30 PM	

COST:	RIG	\$	3,158.67
	hydrotesters	\$	752.00
	Packer Hand	\$	1,000.00
	ANCHORS	\$	701.50
TOTAL		\$	5,612.17
PREV. COST -			
CUM. COST		\$	5,612.17











# TANDEM ENERGY

**WORKOVER DAILY REPORT**

 COMPANY Tandem Energy

AFE# \_\_\_\_\_

TOTAL: \_\_\_\_\_

 NAME OF LEASE: **CACTUS FED (INJ)**

WELL: \_\_\_\_\_

#3

 CONTRACTOR: **RELIABLE WELL SERVICE**

RIG # \_\_\_\_\_

 DATE OF REPORT: **9/13/2012**

 CUMULATIVE DAYS: **7**

 PREPARED BY: **JOSE CERRILLO**

CASING DATA		Present Operation:		REPEAR WELL	
PERFORATIONS :		4650'-4670' (6SPF) 120 HOLES 4830'-4850' (6SPF) 120 HOLES			
TD:		5030'			
PBTD:		4985'			
TYPE	Size	Set @	Cemented with		Date
Conductor					
Surface Casing					
Production Casing	5 1/2"	4610' TO 4950'			
CASING LINER	4 1/2"	4610'			
TUBING DATA					
PULLED			RUN IN HOLE		
TYPE	SIZE	No. OF JTS.	SIZE	No. OF JTS	TAC @
	FOOTAGE:		FOOTAGE:		MUD JT. @
	S.N @		S.N @		
RODS DATA					
PULLED			RUN IN HOLE		
K.D BARS			K.D BARS		
1"			1"		
7/8"			7/8"		
3/4"			3/4"		
5/8"			5/8"		
PONY RODS			PONY RODS		
PUMP			PUMP		
POLISH ROD			POLISH ROD		
TOTAL:			TOTAL:		
PUMP OUT			PUMP IN		
PACKER DATA					
NO PACKER					
Hours Spent	Activity				
7:30 AM	Open up well RIH W/ 2 3/8" by 3 5/8" Overshot w/ 1 15/16 grapple on 147 jts of 2 3/8" tbg, latch on bars POOH w/ tools laid down bars, RIH w/ tbg, POOH w/ it, laid down working string, S/L. wash out reverse unit pit, send packer in to redress.				
5:30 PM					
COST:			RIG COST	\$	
			kill truck	\$	4061.14
			vaccum truck	\$	480.00
				\$	680.00
			delivery charge for reverse pit	\$	1,582.42
			fishing tool hand	\$	2,870.00
			packer redress	\$	237.00
TOTAL:				\$	9,910.56
PREV. COST -				\$	49,777.73
CUM. COST				\$	59,688.29

# TANDEM ENERGY

**WORKOVER DAILY REPORT**

AFE#

COMPANY

Tandem Energy

TOTAL:

NAME OF LEASE:

CACTUS FED (INJ)

WELL:

#3

CONTRACTOR:

RELIABLE WELL SERVICE

RIG #

DATE OF REPORT:

9/13/2012

CUMULATIVE DAYS:

7

PREPARED BY:

JOSE CERRILLO

<b>CASING DATA</b>	<b>Present Operation:</b>	
	REPAIR WELL	
PERFORATIONS :	4650'- 4670' (6SPF) 120 HOLES 4830'- 4850' (6SPF) 120 HOLES	
TD:	5030'	
PBTD:	4985'	

TYPE	Size	Set @	Cemented with
Conductor			
Surface Casing			
Production Casing	5 1/2"	4610' TO 4950'	
CASING LINER	4 1/2"	4610'	

TUBING DATA				
PULLED			RUN IN HOLE	
TYPE	SIZE	No. OF JTS.	SIZE	No. OF JTS
	FOOTAGE:		FOOTAGE:	
	S.N @		S.N @	

RODS DATA				
PULLED			RUN IN HOLE	
K.D BARS			K.D BARS	
1"			1"	
7/8"			7/8"	
3/4"			3/4"	
5/8"			5/8"	
PONY RODS			PONY RODS	
PUMP			PUMP	
POLISH ROD			POLISH ROD	
TOTAL:			TOTAL:	
PUMP OUT			PUMP IN	

PACKER DATA	
NO PACKER	
Hours Spent	Activity
7:30 AM	Open up well, wait for testers, till 11:00 am, RIH w/ 4 1/2" AD1 IPC Packer, on 141 jts of 2 3/8" IPC hydrotesting pipe, rig down testers, nipple down BOP, circulate well w/ 80 bls of packer fluid, set p from surface, (36.57' from Arrow set packer, & 110' from top perf)
	test csg to 500 psi for 30 minutes, csg held ok, s/i.
5:30 PM	

COST:	RIG COST	\$	
	kill truck	\$	4,211.55
	vaccum truck	\$	1,880.90
		\$	1,060.00
	BOP	\$	768.24
TOTAL :		\$	7,920.69
PREV. COST -		\$	59,688.29
CUM. COST		\$	67,608.98

# TANDEM ENERGY

**WORKOVER DAILY REPORT**
**COMPANY**

Tandem Energy

**AFE#**
**NAME OF LEASE:**

CACTUS FED (INJ)

**WELL:**
**TOTAL:**
**CONTRACTOR:**

RELIABLE WELL SERVICE

**RIG #**

#3

**DATE OF REPORT:**
9/13/2012
**CUMULATIVE DAYS:**

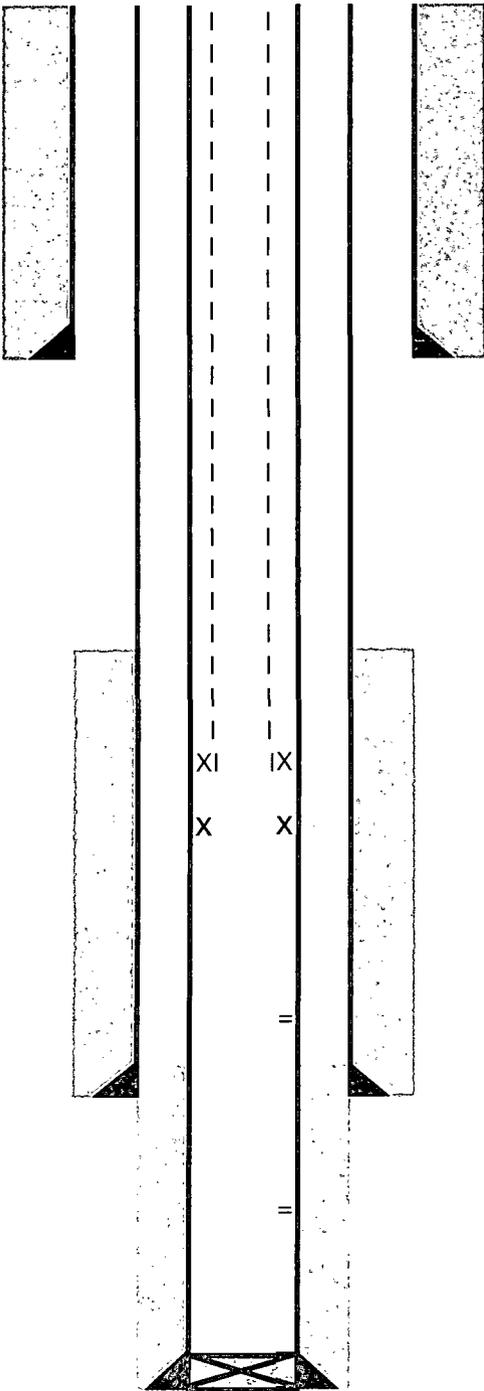
7

**PREPARED BY:**

JOSE CERRILLO

<b>CASING DATA</b>		<b>Present Operation:</b>	
		REPAIR WELL	
<b>PERFORATIONS:</b>		4650'-4670' (6SPF) 120 HOLES 4830'-4850' (6SPF) 120 HOLES	
<b>TD:</b>		5030'	
<b>PBTD:</b>		4985'	
<b>TYPE</b>	<b>Size</b>	<b>Set @</b>	<b>Cemented with</b>
Conductor			
Surface Casing			
Production Casing	5 1/2"	4610' TO 4950'	
CASING LINER	4 1/2"	4610'	
<b>TUBING DATA</b>			
<b>PULLED</b>		<b>RUN IN HOLE</b>	
<b>TYPE</b>	<b>SIZE</b>	<b>No. OF JTS.</b>	<b>SIZE</b>
	<b>FOOTAGE:</b>		<b>FOOTAGE:</b>
	<b>S.N @</b>		<b>S.N @</b>
<b>RODS DATA</b>			
<b>PULLED</b>		<b>RUN IN HOLE</b>	
<b>K.D BARS</b>		<b>K.D BARS</b>	
1"		1"	
7/8"		7/8"	
3/4"		3/4"	
5/8"		5/8"	
<b>PONY RODS</b>		<b>PONY RODS</b>	
<b>PUMP</b>		<b>PUMP</b>	
<b>POLISH ROD</b>		<b>POLISH ROD</b>	
<b>TOTAL:</b>		<b>TOTAL:</b>	
<b>PUMP OUT</b>		<b>PUMP IN</b>	
<b>PACKER DATA</b>			
<b>NO PACKER</b>			
<b>Hours Spent</b>	<b>Activity</b>		
7:30 AM	RIG DOWN. MOVED OUT.		
5:30 PM			
<b>COST:</b>		<b>RIG COST</b>	
<b>TOTAL:</b>			
<b>PREV. COST -</b>			\$ 67,608.98
<b>CUM. COST</b>			

**Tandem Energy Corporation**  
**PEARL QUEEN**  
**CACTUS FEDERAL 003**



**LEGALS**

API: 300250333500  
 Lease: CACTUS FEDERAL  
 Location: 330' FNL & 660 FWL  
 Survey: SEC 6 - 20S - 35E  
 Field: PEARL QUEEN  
 County: LEA CO., NEW MEXICO  
 Elevation: 3696' DF  
 Completed: 6-17-1962

TOC 13 3/8" SURF Circ  
 Surface Casing: 13 3/8" @ 205' w/ 200sx 17 1/2" hole

TOC 7" 3550' CALC

Tubing: 2 3/8"  
 PACKER: 4540' (Proposed)

PACKER: 4578' (Current)

Casing Liner: 4 1/2" @ 4614'  
 Top 5 1/2" Casing: 4614'

Injection Interval: 4650 Top  
 Perfed Interval: 4650-4670'

TOC 5 1/2" 4710' CALC  
 Casing: 7" @ 4714' w/ 100sx 8" hole

Perfed Interval: 4830-4850'

PBTD: 4985'  
 PLUG: 4990' w/ 2sx  
 Production Casing: 5 1/2" @ 4990' w/ 35sx 6 1/4" hole  
 Injection Interval: 4990' Bottom  
 TD: 5030'

**NOTE: WHEN ATTEMPTING TO RELEASE AND PULL THE PKR @ 4578' IT WOULD NOT COME. AN ATTEMPT WAS MADE TO MILL IT OUT. WE WERE ONLY ABLE TO MILL THROUGH THE TOP SLIPS. SO THE BOTTOM HALF OF THE PKR IS SITLL IN THE HOLE.**