Form 3160-5 (August 2007)

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

OCD Artesia

FORM APPROVED

	3:
Expires: July 31, 20	

5.	Lease Serial No.	
	NIMI COSSASSI	2

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.  SUBMIT IN TRIPLICATE - Other instructions on reverse side.					NMLC029435B  6. If Indian, Allottee or Tribe Name		
					1. Type of Well	-	
Oil Well Gas Well Cother: INJECTION					10 JLICCEC (		
2. Name of Operator Contact: NANCY FI LINN OPERATING INC E-Mail: nfitzwater@linnenergy.c				9. API Well No. 30-015-05081			
3a. Address 600 TRAVIS SUITE 5100 HOUSTON, TX 77002		3b. Phone No. (include Ph: 281-840-4266 Fx: 281-840-4006			10. Field and Pool, or Exploratory GRAYBURG JACKSON		
4. Location of Well (Footage, Sec., T., R., M., or Survey Description,		n)		11. County or Pari	sh, and State		
Sec 5 T17S R31E 1980FSL 1	Sec 5 T17S R31E 1980FSL 1980FEL			EDDY COUNTY, NM			
		·	, *				
12. CHECK APP	ROPRIATE BOX(ES) T	O INDICATE NATU	RE OF NOTICE, I	REPORT, OR OTH	IER DATA		
TYPE OF SUBMISSION			TYPE OF ACTION				
Notice of Intent	Acidize	☐ Deepen	<b>⊠</b> Produ	ction (Start/Resume)	☐ Water Shut-Off		
<b>-</b> .	☐ Alter Casing	☐ Fracture Trea	ıt □ Reclar	mation	☐ Well Integrity		
Subsequent Report	Casing Repair	□ New Constru	ction Recon	nplete	Other		
☐ Final Abandonment Notice	☐ Change Plans	Plug and Aba		orarily Abandon	1		
☐ Convert to Inject				Disposal	proximate duration thereof.		
If the proposal is to deepen direction Attach the Bond under which the wo following completion of the involved testing has been completed. Final A determined that the site is ready for for the determined that the site is ready for the determined the site is ready for the determined that the site is ready for the determined the determined the determined the det	rk will be performed or provide l operations. If the operation re bandonment Notices shall be fi	e the Bond No. on file with esults in a multiple complet	BLM/BIA. Required s ion or recompletion in	subsequent reports shall a new interval, a Form	l be filed within 30 days 3160-4 shall be filed once		
Re-delivery Notice							
3/17/11 Flowed back 400 bbls on 3/18/11. Injection rate 300	s of fluid and pumped 400 , Injection PSI - 250.	00 gals of 15% HCl. E	stablished injection	n rate			
CONDI	TACHED FOR TIONS OF APPI	NA.	d for record IOCD, P.T. 4/14/11	RECEIV APR 13 NMOCD A	/ED 2011 RTESIA		
14. Thereby certify that the foregoing is	Electronic Submission #	105130 verified by the DPERATING INC., sent	BLM Well Informati to the Carlsbad	on System			
Name(Printed/Typed) TAMMY S	CARBOROUGH	Title	FIELD ADMIN III				
Signature (Electronic	Submission)	Date	03/24/2011	a A			
	THIS SPACE FO	OR FEDERAL OR S	STATE OFFICE U	JSE ALL	4/06/2011		
Approved By J. D. Whit	look 2	Title	LIET		Date 4/8/11		
Conditions of approval, if any, are attached certify that the applicant holds legal or equivalent would entitle the applicant to conditions.	uitable title to those rights in th	s not warrant or ne subject lease Office	CFO.				

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.

## **Conditions of Approval**

## LINN OPERATING INC

JLKEEL #19

APRIL 08, 2011

- 1. Conduct a Mechanical Integrity Test of the tubing/casing annulus any time the packer or tubing is pulled.
  - a. The test pressure should be 500 psig, with 200 psig differentials between tubing and casing pressure (at test time) but no more than 70% of casing burst pressure as described by Onshore Order 2.III.B.1.h. (The tubing/reservoir pressure may need to be reduced). Trap that pressure and record it on a chart for 30 minutes. Document the MIT on a calibrated recorder chart within 25 to 85 per cent of its full range.
  - b. Notify Paul R. Swartz at 575-234-5985 and/or 575-200-7902 at least 24 hours before the test. If there is no response, notify the BLM on call drilling phone, 575-361-2822.
  - c. Less than a 10% leakoff may not restrict injection approval. Any leak-off will be evaluated.
  - d. Submit the recorded MIT chart with a subsequent Sundry Form 3160-5 relating the MIT activity. List the name of the BLM witness, or the notified person and date of notification.
  - e. Descriptions of tubing, on/off equipment, profile nipple installation, and packer setting depth are required. List (by date) descriptions of daily activity of any previously unreported wellbore work.
  - f. Include the original and three copies of the recorded chart and Sundry (the original will be returned to the operator).
- 2. Submit the NMOCD permit number and its approved maximum tubing injection pressure.
  - a. Approved injection pressure compliance is required.
  - b. Display real time tubing pressure values onsite. A bourdon tube gauge registering 25% to 85% of its full range is acceptable.
  - c. If injection pressure exceeds the approved pressure you are required to reduce that pressure and notify the BLM within 24 hours.
  - d. When injection pressure is within 50 psig of the maximum pressure, install automation equipment that will prevent exceeding that maximum.
    - i. Submit a subsequent report (Sundry Form 3160-5) describing the installed automation equipment.
  - e. Other unexplained significant variations of rate or pressure to be reported within 5 days of notice.

- 3. The casing/tubing annulus is required to be monitored for communication with injection fluid or loss of casing integrity.
  - a. The annulus is to be maintained full of packer fluid at atmosphere pressure. Installation of equipment that will display on site, open to the air fluid level is required. A BLM inspector may request verification of this fluid level at any time.
  - b. Loss of packer fluid above five barrels per month requires notification of the BLM authorized officer within 5 days.
  - c. Gain of annular fluid requires notification within 24 hours. Cease injection and maintain a production casing pressure of Opsig. Notify the BLMs authorized officer (Paul R. Swartz at 575-200-7902). If there is no response, notify the BLM on call drilling phone, 575-361-2822.
  - d. The use of automation equipment that will monitor and alarm is required when a well's packer, tubing, or casing competence is questionable.
  - e. Also submit to this office a (Sundry Form 3160-5) Notice of Intent (NOI) for approval by BLM and NMOCD a plan for correction and the anticipated date of correction. The lack of records documenting a continuous fluid packed casing will require rapid correction. Verbal approval for the plan may be given from a BLM authorized officer, with the NOI filed soon after.
  - f. After the repairs submit a (Sundry Form 3160-5) Subsequent report, describing the repair(s) and Mechanical Integrity Test as per item 1 above.