

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**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.**

5. Lease Serial No.  
NMLC029419A
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.  
8920002760
8. Well Name and No.  
SKELLY UNIT 46
9. API Well No.  
30-015-05357-00-D1
10. Field and Pool, or Exploratory  
GRAYBURG
11. County or Parish, and State  
EDDY COUNTY, NM

1. Type of Well  
☐ Oil Well ☐ Gas Well ☒ Other: INJECTION
2. Name of Operator  
LINN OPERATING INCORPORATED E-Mail: tcallahan@linnenergy.com
- 3a. Address  
600 TRAVIS STREET SUITE 5100  
HOUSTON, TX 77002
- 3b. Phone No. (include area code)  
Ph: 281-840-4272
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 22 T17S R31E SENE 1980FNL 560FEL

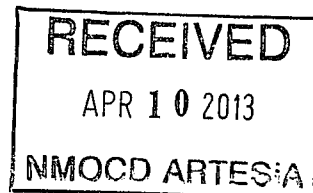
**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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 Workover Operations
	<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 recompleat 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

**SKELLY 446 PROCEDURE - REPAIR LEAK AT SURFACE**

1. Test rig anchors prior to rigging up.
  2. MIRU. Check all pressures (tubing, casing, braden head)
  3. Bleed off any pressure as necessary
  4. NU BOP, POOH w/ everything. Stand back tubing. USE 2 -3/8? work string going forward
  5. RUWL RIH w/ RBP and set @ 3000?
  6. POOH, dump bail 10ft sand
  7. Fill hole with fluid and ensure it stays full
  8. RIH w/ pkr and set at 2230?
  9. Squeeze perforations at 2301-2431. Monitor annulus constantly during squeeze. Have 400 sxs
- Class C neat cmt on location.



14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #188463 verified by the BLM Well Information System  
For LINN OPERATING INCORPORATED, sent to the Carlsbad  
Committed to AFMSS for processing by KURT SIMMONS on 01/24/2013 (13KMS4658SE)**

Name (Printed/Typed) TERRY B CALLAHAN

Title REGULATORY SPECIALIST III

Signature (Electronic Submission)

Date 01/23/2013

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

Approved By JAMES A AMQS

Title SUPERVISOR EPS

Date 04/08/2013

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.

Office Carlsbad

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.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

## **Additional data for EC transaction #188463 that would not fit on the form**

### **32. Additional remarks, continued**

10. WOC 24hrs.
11. Test csg to 500# for 30 min
12. RUWL RIH perforate 4 0.42? holes @ 700?
13. POOH RDMO WL
14. RIH w/ PKR and set @ 500?
15. RU and pump fresh wtr in attempt to establish circulation up backside. (Pump no more than 100bbbls at 2-4 bpm and below 1000psi)
16. Notify engr of circulation attempt results
17. Pump 200sxs Class C neat (14.8lb/gal, 1.33 yield)
18. Displace w/ 2.5 bbbls fresh wtr
19. Release PKR and reverse 15 bbbls.
20. Let cmt set up for 24 hours.
21. Pressure up on well to 500# and hold for 30 min
22. Report results to engr
23. RIH w/ 3-7/8? bit, drill out cmt plugs
24. Test csg again to 500# for 30 min
25. Circulate out sand, POOH w/ RBP
26. RBIH w/ 3-7/8? bit to 3485?
27. RBIH w/ WS and perform acid job (look at past inj history and pressures from inj wk sheet)
28. RIH w/ profile nipple, inj pkr and on/off tool on IPC tubing and set at 3150?
29. Test backside to 500# for 30 min and report results to engr
30. RDMO
31. RTI

PROPOSED WELL DIAGRAM AND PROCEDURES ATTACHED.

## Well Name

Skelley Unit # 46

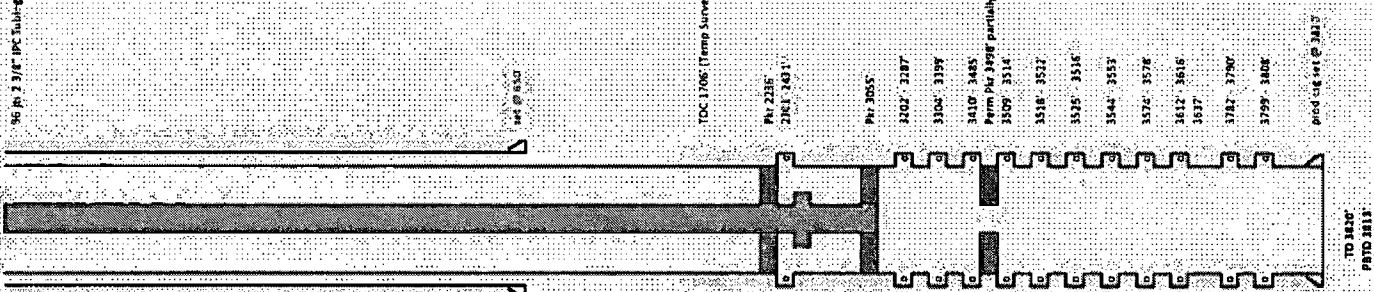
County	Locality
Edley County	
Surface Loc	H 32.175 31E 1980 PM. 160 FE.
Latitude	32.821828126252 -103.850256082716
Field	COPIED
GL	
RB	
RB-GL Cat	11"

## Location Requirements.

PFC Log 2300' - 3500'

Wellbore Gamma-Collar Log (11/28/1961)

## Current Wellbore Diagram



Well Name:	Skelley Unit # 46
Well Type:	Injection
Lease Type:	Federal
API No.:	36-015-05357
Spud Date:	11/16/1961
Current Operator:	UNN Operating, Inc.
WFO Update:	8/8/1981 C. Burrell

Hole Size:	11"
Surface Casing:	8 5/8" 44# 155 set @ 6'-0"
Current Blend:	
Returns:	280 in
TOC:	Surface

Hole Size:	N/A
Surface Casing:	
Current Blend:	
Returns:	
TOC:	

## Details of Performance

2/26/2002	3269' 71' 3310' 17' 27' 41' 84' 85' 1399' 3407' 3408' 3419' 3446' 3448' 3458' 3485' 3487'
1/29/1979	1 59' 1201' 04' 07' 12' 14' 16' 25' 29' 31' 42' 44' 48' 54' 60' 62' 65' 67' 70' 87' 2418' 20' 18' & 31' 10' 33' holes
5/15/1967	3202' 3207' 3218' 3271' 3287' 3290' 3311' 3329' 3337' 3441' 3464' 3499' 34107' 3416' 3446' 3456' 3485'

1/17/1961	3009' 3514' 3518' 3522' 3525' 3516' 3546' 3552' 3576' 3578' 3612' 3616' 3617'
1/17/1961	3782' 3790' 3795' 3802' (68 holes)

Points	Description

Bores	Description

## Dumple Unit

Hole Size:	5 3/8"
Production Casing:	4 1/2" 11 cpi 155 set @ 3300'
Capacity (bbl/d):	
Current Blend:	400 in
Returns:	TOC 1708' (Temp Survey)
Lead:	
7.4'	

Top Grayburg 3124'  
Top San Andrew 3482'

**Skelly 46 Procedure – Repair leak at surface (Briklynd Briggs 11/2/12)**

1. Test rig anchors prior to rigging up.
2. MIRU. Check all pressures (tubing, casing, braden head)
3. Bleed off any pressure as necessary
4. NU BOP, POOH w/ everything. Stand back tubing. USE 2 -3/8" work string going forward
5. RUWL RIH w/ RBP and set @ 3000'
6. POOH, dump bail 10ft sand
7. Fill hole with fluid and ensure it stays full
8. RIH w/ pkr and set at 2230'
9. Squeeze perforations at 2301-2431. Monitor annulus constantly during squeeze. Have 400 sxs Class C neat cmt on location.
10. WOC 24hrs.
11. Test csg to 500# for 30 min
12. RUWL RIH perforate 4 0.42" holes @ 700'
13. POOH RDMO WL
14. RIH w/ PKR and set @ 500'
15. RU and pump fresh wtr in attempt to establish circulation up backside. (Pump no more than 100bbls at 2-4 bpm and below 1000psi)
16. Notify engr of circulation attempt results
17. Pump 200sxs Class C neat (14.8lb/gal, 1.33 yield)
18. Displace w/ 2.5 bbls fresh wtr
19. Release PKR and reverse 15 bbls.
20. Let cmt set up for 24 hours.
21. Pressure up on well to 500# and hold for 30 min
22. Report results to engr
23. RIH w/ 3-7/8" bit, drill out cmt plugs
24. Test csg again to 500# for 30 min
25. Circulate out sand, POOH w/ RBP
26. RBIH w/ 3-7/8" bit to 3485'
27. RBIH w/ WS and perform acid job (look at past inj history and pressures from inj wk sheet)
28. RIH w/ profile nipple, inj pkr and on/off tool on IPC tubing and set at 3150'
29. Test backside to 500# for 30 min and report results to engr
30. RDMO
31. RTI