

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.

NM-04242 99146

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Denius Federal # 8

9. API Well No.

30-025-01408

10. Field and Pool, or Exploratory Area

Corbin (Abo)

11. County or Parish, State

Lea

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Southwestern Energy Production Company

3a. Address **2350 N. Sam Houston Pkwy. E.,
Suite 300, Houston, TX 77032**

3b. Phone No. (include area code)
281-618-4739

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1650' FSL & 990' FEL

Sec. 34-17S-33E

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 type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" 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.)

Please see attached procedure.

CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Vonnie J. Cermin

Title **Drilling / Production Analyst**

Signature

Date **11/25/02**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

(ORIG. SGD.) DAVID R. GLASS

Approved by

DEC 3 2002

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.

Office

Title 18 U.S.C. Section 1001 and Title 18 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.

GWW

**Denius Federal No. 8
Corbin Abo Field
P&A Procedure**

1. MIRU rig. NU BOPs. POOH w/ tubing. POOH and LD rods.
2. RU EL and RIH w/ gauge ring and junk basket. RIH and set through CIBP at 8600'. Dump 35' cement on top of bridge plug.
3. TIH w/ workstring. Tag TOC on bridge plug. Circ well with 9.5# salt gel mud (9.5# brine mixed w/ 25 lbs gel/bbl). POOH to 5950'. Spot 25 sx cement plug from 5590'-5950'. POOH.
4. RU WL and RIH. Tag TOC. POOH. RIH and cut 4-1/2" casing at 3170'. Pull casing. RIH w/ WL and cut 7" casing at 3120'. TIH and spot 45 sx cement plug from 3020'-3220'. POOH.
5. RU WL and RIH. Tag TOC. Cut 8-5/8" casing at 365'. RD WL. TIH and spot 75 sx cement plug from 265'-415'. POOH.
6. RU WL and RIH. Tag TOC. TOOH and RD WL. Spot 35 sx surface plug from 0'-60'.
7. Cut casing off 5' below ground level and install dry hole marker.
8. RDMO rig.

Tubing Detail

75 jts 2 7/8" 10rd NONUPSET TBG
 2 3/8" x 2 7/8" X/OVER @ 2367'
 196 jts 2 3/8" 8rd TBG
 2 3/8" x 4 1/2" TAC - @ 8430'
 9 jts 2 3/8" 8rd TBG
 2.375" SN - @ 8708'
 2 3/8" PERF SUB
 2 3/8" MUD JT

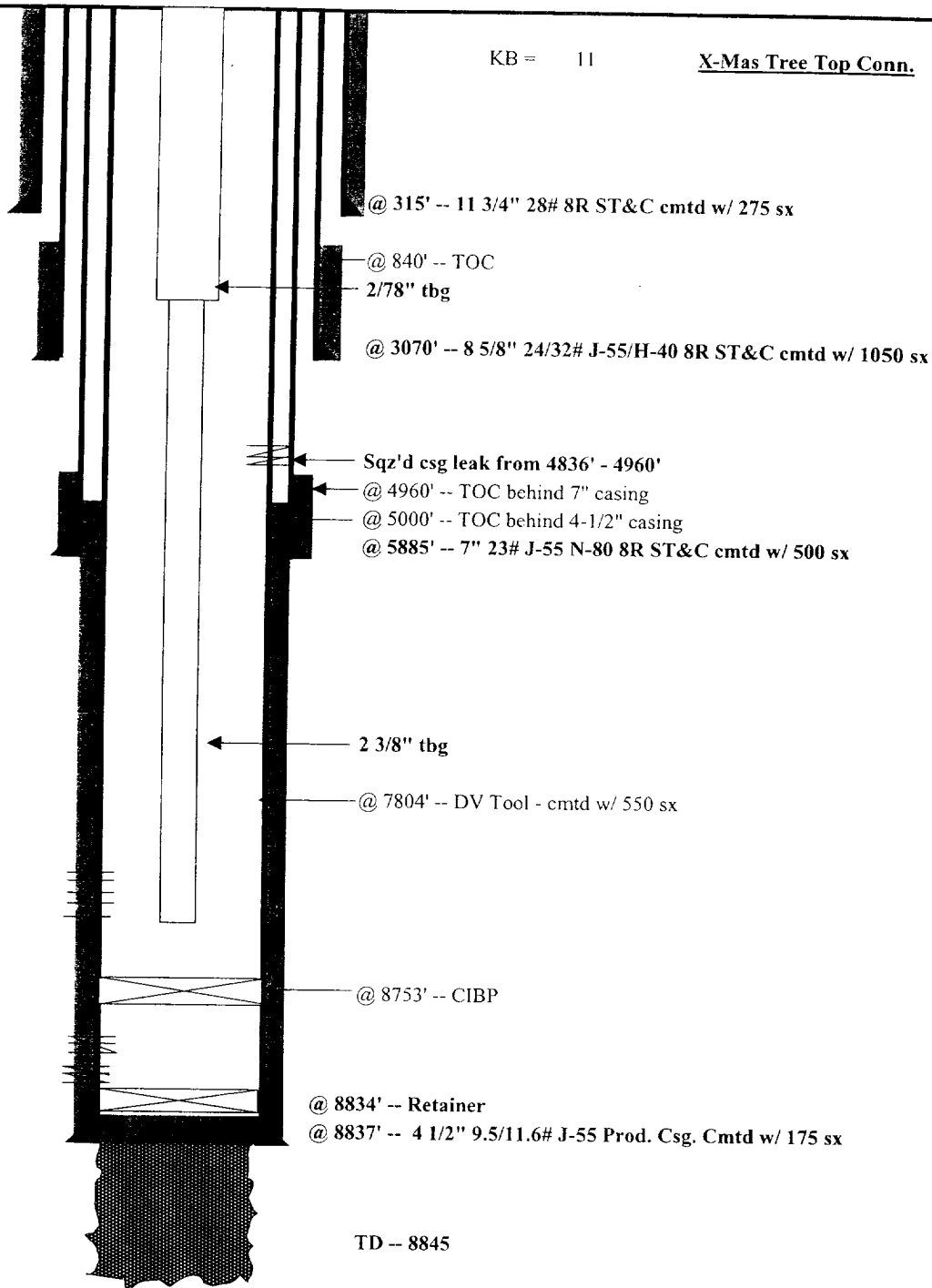
Rod Detail

1-1/4" x 20' Polished Rod
 1" sucker rod subs (3 - 6')
 79 - 1" sucker rods
 99 - 7/8" sucker rods
 154 - 3/4" sucker rods
 9 - 7/8" sucker rods
 6 - 1-1/4" K-Bars
 2" x 1-1/4" x 22' RWBC Pump


ABO Perforations:

8660', 8667', 8675', 8686', 8691', 8698' (Open)
 8709', 8711', 8717', 8728', 8730', 8732' (Open)

8766'-8774', 8781'-8785', 8788'-8796' (Sqzd)
 8810'-8816', 8818'-8820', 8832' - 8834' (Sqzd)



TD -- 8845

Revised		PRESENT COMPLETION				Drawn	WKB
7/24/2002		LEASE:	Denius Federal	WELL:	8		7/30/2002
		LOCATION:	Corbin Abo			Approved	
		COUNTY:	Lea	STATE:	NM		
		PRODUCING FORMATION:	Abo Formation			Date	
		 Southwestern Energy Production Company GOPET					

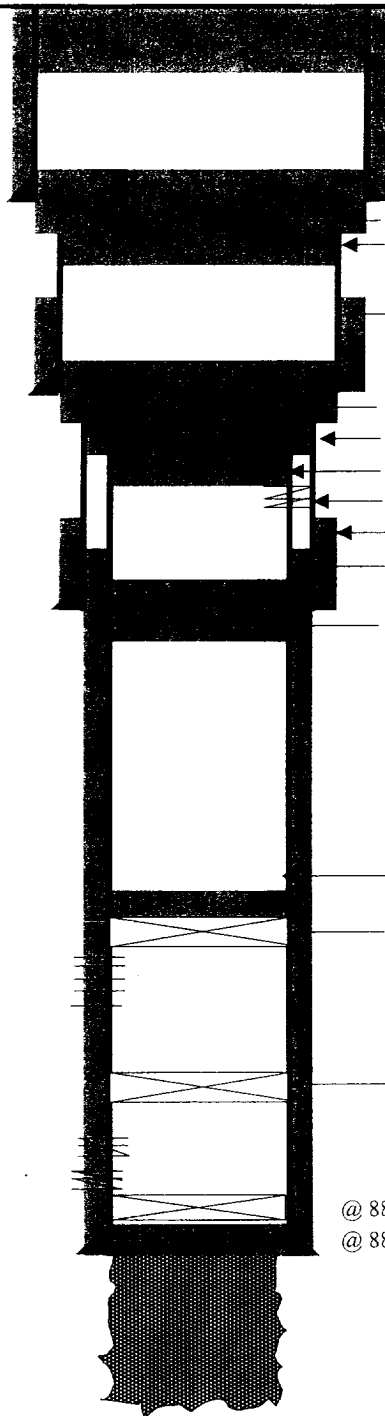
Tubing Detail

Rod Detail

ABO Perforations:

8660', 8667', 8675', 8686', 8691', 8698' (Open)
8709', 8711', 8717', 8728', 8730', 8732' (Open)

8766'-8774', 8781'-8785', 8788'-8796' (Sqzd)
8810'-8816', 8818'-8820'', 8832' - 8834' (Sqzd)



@ 0'-60' -- Proposed 35 sx surface cement plug

@ 315' -- 11.75\" Welded Surf. Csg. Cmt'd w/ 275 sx

@ 265'-415' -- Proposed 75 sx cement plug

@ 365' -- Proposed cut 8/5/8\" casing

@ 840' -- TOC

@ 3070' -- 8 5/8\" 24#/32# H-40, J-55 Intrmd Csg. Cmt'd w/ 1050 sx

@ 3020'-3220' -- Proposed 45 sx cement plug

@ 3120' -- Proposed cut 7\" casing

@ 3170' -- Proposed cut 4-1/2\" casing

Sqz'd csg leak from 4836' - 4960'

@ 4960' -- TOC behind 7\" casing

@ 5000' -- TOC behind 4-1/2\" casing

@ 5885' -- 7\" 23# J-55 N-80 8R ST&C cmt'd w/ 500 sx

@ 5590'-5950' -- Proposed 25 sx cement plug

@ 7804' -- DV Tool - cmt'd w/ 550 sx


@ 8600' -- Proposed CIBP w/ 35' cement dumped on top

@ 8753' -- CIBP

@ 8834' -- Retainer

@ 8837' -- 4 1/2\" 9.5/11.6# J-55 Prod. Csg. Cmt'd w/ 175 sx

TD -- 8845

Revised		PROPOSED COMPLETION			Drawn	WKB
		LEASE	Denius Federal	WELL:	8	8/8/2002
		LOCATION	Corbin Abo			
		COUNTY:	Lea	STATE:	NM	
		PRODUCING FORMATION	Abo Formation			
					Date	
		Southwestern Energy Production Company				
		GOPET				