

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Penwell Energy, Inc.

3. Address and Telephone No.

600 N. Marienfeld, Ste. 1100; Midland, TX. 79701 915 683-2534

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

330' FNL & 2310' FEL Section 8 - T19N - R4W

5. Lease Designation and Serial No.

NM-99705

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Eagle Springs 8 Fed. #2M

9. API Well No.

10. Field and Pool, or Exploratory Area

Wildcat, 19N 4E 8B Mancos

11. County or Parish, State

Sandoval, New Mexico

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

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☒ Altering Casing
☐ Other _____
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Request Change of Casing Program from approved APD:

As approved: Surface Casing-- 11" hole, 8 5/8", 24#, J55 @ 350'+/- cmtd. w/175 sacks.
Production Casing - 7 7/8" hole, 5 1/2", 17#, J55 @ 3,800'+/- Cmtd. w/450 sacks

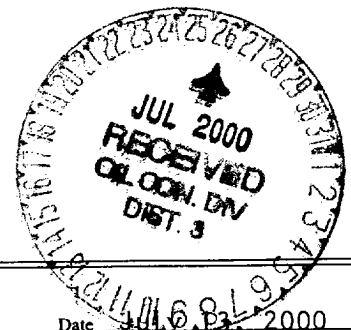
Requested Change:

Surface - 12 1/4" hole, 9 5/8", 36#, J55 casing @ 350'+/-, cmtd. w/175 sks.+/-.

Production - 8 3/4" hole, 7", 23#, J55 casing @ 3,800'+/-, cmtd. w/450 sacks+/-.

(See attachments for new casing design.)

COPY



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

Signed Bill Pierce Bill Pierce Title Manager of Operations

Date 7/12/00

(This space for Federal or State office use)

Approved by [Signature]
Conditions of approval, if any:

Title Pierce, E. J.

Date 7/12/00

Operator: PENWELL ENERGY, INC.	Well Name: Eagle Springs 8 Fed 2M
Project ID: NM-99705	Location: 330'FNL & 2310'FEL

Sandoval County, New Mexico
Design Parameters:
Mud weight (9.63 ppg) : 0.500 psi/ft
Shut in surface pressure : 315 psi
Internal gradient (burst) : 0.100 psi/ft
Annular gradient (burst) : 0.500 psi/ft
Tensile load is determined using air weight
Service rating is "Sweet"

Section 8 - T19N - R4W
Design Factors:
Collapse : 1.125
Burst : 1.00
8 Round : 1.80 (J)
Buttress : 1.60 (J)
Body Yield : 1.50 (B)

Length										Size	Weight	Grade	Joint	Depth	Drift	Cost	
(feet)										(in.)	(lb/ft)			(feet)	(in.)		
1										350	9-5/8"	36.00	J-55	ST&C	350	8.765	
	Collapse				Burst	Min Int	Yield	Tension									
	Load	Strgth	S.F.	Load	Strgth	S.F.	Load	Strgth	S.F.								
	(psi)	(psi)		(psi)	(psi)		(kips)	(kips)									
1	175	2020	9.999	315	3520	11.17	12.60	394	31.27	J							

Prepared by : , Artesia, New Mexico
Date : 07-13-2000
Remarks :

Section 8-T19N-R4W

Design is for a Surface string.

Minimum segment length for the 350 foot well is 100 feet.

Additional details regarding deeper string(s):

Next string will set at 3,800 ft. with 9.20 ppg mud (pore pressure of 1,816 psi.) The frac gradient of 1.000 at the casing seat results in an injection pressure of 350 psi. Effective BHP (for burst) is 350 psi, the BHP load is 175 psi (using an annular mud of 10.00 ppg) and the differential gradient is -0.400 psi/ft.

NOTE: The design factors used in this casing string design are as shown above. As a general guide-line, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1993 pricing model. (Version 1.0G)

Operator: PENWELL ENERGY, INC.**Well Name: Eagle Springs 8 Fed 2M****Project ID: NM-99705****Location: 330' FNL & 2310' FEL**

Sandoval County, New Mexico

Section 8 - T19N - R4W

Design Parameters:

Mud weight (9.00 ppg) : 0.468 psi/ft
Shut in surface pressure : 1397 psi
Internal gradient (burst) : 0.100 psi/ft
Annular gradient (burst) : 0.468 psi/ft
Tensile load is determined using air weight
Service rating is "Sweet"

Design Factors:

Collapse : 1.125
Burst : 1.00
8 Round : 1.80 (J)
Buttress : 1.60 (J)
Body Yield : 1.50 (B)

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	3,800	7"	23.00	J-55	ST&C	3,800	6.241		
	Collapse Load Strgth S.F. (psi) (psi)		Burst Load (psi)	Min Int Yield Strgth S.F. (psi)	Tension Load Strgth S.F. (kips) (kips)				
1	1777	3270	1.840	1397	4360	3.12	87.40	309	3.54 J

Prepared by : , Artesia, New Mexico

Date : 07-13-2000

Remarks :

Design is for a Production string.

Minimum segment length for the 3,800 foot well is 1,500 feet.

An annular mud weight of 9.000 ppg was used for burst purposes. The
differential mud gradient below any lost-circulation depth is -0.368 psi/ft
and the bottom hole pressure load is 0 psi.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1993 pricing model. (Version 1.0G)