

C1515

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

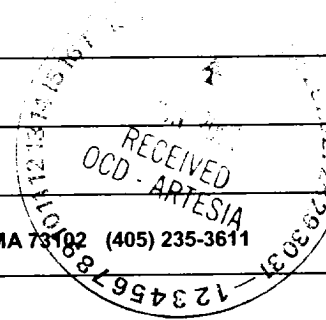
1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
DEVON ENERGY PRODUCTION COMPANY, L.P.

3. Address and Telephone No.
20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3611

4. Location of Well (Footage. Sec., T., R., M., or Survey Description)
1980' FNL & 1980' FEL, Section 13-23S-31E, Unit "G"

5. Lease Designation and Serial No. NM-0404441
6. If Indian, Allottee or Tribe Name
7. If Unit or CA, Agreement Designation
8. Well Name and No. Todd "13G" Federal #21
9. API Well No. 30-015-
10. Field and Pool, or Exploratory Area Sand Dunes (Delaware)
11. County or Parish, State Eddy County, NM



CHECK APPROPRIATE BOX(S) 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"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Change depth</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> 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.)*

The original Application for Permit to Drill, Form 3160-3, was approved on 12/05/00 for a proposed depth of 6400' in the Cherry Canyon formation. Devon Energy Production Company, L.P. requests to amend the depth to 8750' in the Delaware Bone Springs formation.

0 - 4400' 8 5/8" 32# J55 LT&C - Cmt to surface

0 - 900' 5 1/2" 17# J55 LT&C

900' - 7300' 5 1/2" 15.5# J55 LT&C

7300' - 8750' 5 1/2" 17# J55 LT&C

Cmt 5 1/2" in 2 stages. 1 stage 620 sx/ Class H. Stage collar @ 5,500'. Cmt stage 2 w/370 sx Class C. The cement volumes could be revised pending the caliper measurement from the open hole logs. The top of cement is designed to reach 100' above the base of the 8 5/8" csg.

Please see the attached casing design for design conditions.

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

Signed *Karen A. Cottom*
(This space for Federal or State office use)

Karen A. Cottom

Title Engineering Technician

Date June 19, 2001

Approved by (ORIG. SGD.) ALEXIS C. SWOBODA

Title PETROLEUM ENGINEER

Date JUN 21 2001

Conditions of approval, if any:

BUREAU OF LAND MGMT.
ROSWELL OFFICE

2001 JUN 21 AM 8:40

RECEIVED

Well name:	Todd Federal
Operator:	Devon Energy Production Company, L.P.
String type:	Surface
Location:	T23S-R31E, Eddy County, NM

Design parameters:

Collapse

Mud weight: 9.000 ppg
 Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 75 °F
 Bottom hole temperature: 87 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 850 ft

Burst

Max anticipated surface pressure: 765 psi
 Internal gradient: 0.335 psi/ft
 Calculated BHP 1,050 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
 8 Round LTC: 1.80 (J)
 Buttress: 1.60 (J)
 Premium: 1.50 (J)
 Body yield: 1.60 (B)

Tension is based on air weight.
 Neutral point: 738 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 4,400 ft
 Next mud weight: 9.800 ppg
 Next setting BHP: 2,240 psi
 Fracture mud wt: 19.250 ppg
 Fracture depth: 4,400 ft
 Injection pressure 4,400 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	850	13.375	48.00	H-40	ST&C	850	850	12.59	10541
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	397	740	1.86	1050	1730	1.65	40.8	322	7.89 J

Devon Energy

Date: June 19,2001
 Oklahoma City, Oklahoma

Remarks:

Collapse is based on a vertical depth of 850 ft, a mud weight of 9 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

RECEIVED
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BUREAU OF LAND MGMT.
NATL. FOREST SERVICE

Well name:

Todd Federal

Operator: **Devon Energy Production Company, L.P.**

String type: Intermediate

Location: T23S-R31E, Eddy County, NM

Design parameters:

Collapse

Mud weight: 10.000 ppg
Internal fluid density: 0.200 ppg

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 137 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 850 ft

Burst

Max anticipated surface pressure: 1,882 psi
Internal gradient: 0.248 psi/ft
Calculated BHP 2,971 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 3,747 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 8,800 ft
Next mud weight: 9.000 ppg
Next setting BHP: 4,114 psi
Fracture mud wt: 13.000 ppg
Fracture depth: 4,400 ft
Injection pressure 2,971 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	4400	8.625	32.00	J-55	LT&C	4400	4400	7.875	35458
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2240	2530	1.13	2971	3930	1.32	140.8	417	2.96 J

Devon Energy

Date: June 19,2001
Oklahoma City, Oklahoma

Remarks:

Collapse is based on a vertical depth of 4400 ft, a mud weight of 10 ppg. An internal gradient of .01 psi/ft was used for collapse from TD to Collapse strength is based on the Westcott, Dunlop & Kernler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

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2001 JUN 21 AM 8:40

BUREAU OF L AND MGMT
HOSPITAL OFFICE

Well name:

Todd Federal

Operator: **Devon Energy Production Company, L.P.**

String type: **Production**

Location: **T23S-R31E, Eddy County, NM**

Design parameters:

Collapse

Mud weight: 9.000 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 198 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 850 ft

Burst

Max anticipated surface pressure: 3,216 psi
Internal gradient: 0.100 psi/ft
Calculated BHP 4,091 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Non-directional string.

Tension is based on air weight.
Neutral point: 7,635 ft

Estimated cost: 31,703 (\$)

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
3	900	5.5	17.00	J-55	LT&C	900	900	4.767	3487
2	6400	5.5	15.50	J-55	LT&C	7300	7300	4.825	22598
1	1450	5.5	17.00	J-55	LT&C	8750	8750	4.767	5618

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
3	421	3883	9.23	3306	5320	1.61	139.1	247	1.78 J
2	3413	3927	1.15	3946	4810	1.22	123.8	217	1.75 J
1	4091	4910	1.20	4091	5320	1.30	24.6	247	10.02 J

Devon Energy

Date: June 19,2001
Oklahoma City, Oklahoma

Remarks:

Collapse is based on a vertical depth of 8750 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

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2001 JUN 21 AM 8:40
BUREAU OF THE DISTRICT
ATTORNEY GENERAL