

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
N.M. Oil Cons. Division  
1625 N. French Dr.  
Hobbs, NM 88240

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  
DEVON ENERGY PRODUCTION COMPANY, LP.

3. Address and Telephone No.  
20 NORTH BROADWAY, SUITE 1100, OKLAHOMA CITY, OKLAHOMA 73102 (405) 228-7512

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
at surface 1980 FNL & 1650 FWL, Sec 19 T23S R34E, Unit F  
at proposed prod zone 1980 FNL & 1221 FEL, Sec 19 T23S R34E, Unit G

5. Lease Designation and Serial No.  
NMLC065194

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
Bradley A 1

9. API Well No.  
30-025-21168

10. Field and Pool, or Exploratory Area  
Bell lake Morrow South

11. County or Parish, State  
Lea, 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"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Sidetrack	<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.)\*

Devon Energy request approval to change the proration unit on the referenced well from the W2 to the N2. We also request approval to cancel the APD on the Paloma Blanco 19 Federal #1 API #30-025-36065.

Devon Energy successfully reentered this plugged well and has determined that the well is a suitable candidate to perform a sidetrack. Devon requests approval to set a CIBP and whipstock at approximately 10,500' and make a casing exit in the existing 9-5/8" casing. An 8-3/4" hole will be drilled while building angle to ~40 degrees and at a depth of approximately 12,200' 7" casing will be run and cemented back to the 9-5/8" casing. A 6-1/8" hole will be drilled to penetrate the Morrow at a bottomhole location of 1980' FNL & 1980' FEL. If the well is productive, a 4-1/2" liner will be run and cemented back into the 7" casing. BOP 5000psi. See attached.

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 April 9, 2003

Approved by \_\_\_\_\_  
Conditions of approval, if any: \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 15, 2000  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number <b>30-025-21168</b>		<sup>2</sup> Pool Code <b>71960</b>	<sup>3</sup> Pool Name <b>BELL LAKE MORROW SOUTH</b>
<sup>4</sup> Property Code	<sup>5</sup> Property Name <b>BRADLEY A</b>		<sup>6</sup> Well Number <b>#1</b>
<sup>7</sup> OGRID No. <b>6137</b>	<sup>8</sup> Operator Name <b>DEVON ENERGY PRODUCTION COMPANY, LP</b>		<sup>9</sup> Elevation <b>3554'</b>

<sup>10</sup> Surface Location									
UL or lot no. <b>F</b>	Section <b>19</b>	Township <b>23S</b>	Range <b>34E</b>	Lot Idn	Feet from the <b>1980</b>	North/South line <b>NORTH</b>	Feet from the <b>1650</b>	East/West line <b>WEST</b>	County <b>LEA</b>

<sup>11</sup> Bottom Hole Location If Different From Surface									
UL or lot no. <b>G</b>	Section <b>19</b>	Township <b>23S</b>	Range <b>34E</b>	Lot Idn	Feet from the <b>1980</b>	North/South line <b>NORTH</b>	Feet from the <b>1221</b>	East/West line <b>EAST</b>	County <b>LEA</b>
<sup>12</sup> Dedicated Acres <b>320</b>		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

				<sup>17</sup> <b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature <b>Bill Greenlees</b> Printed Name <b>Operations Engineer Advisor</b> Title <b>4/8/03</b> Date	
				<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyor: Certificate Number	

# DEVON ENERGY

Structure : BRADLEY A NO. 1

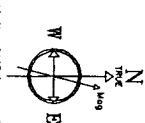
Slot : slot #1

Field : UNKNOWN

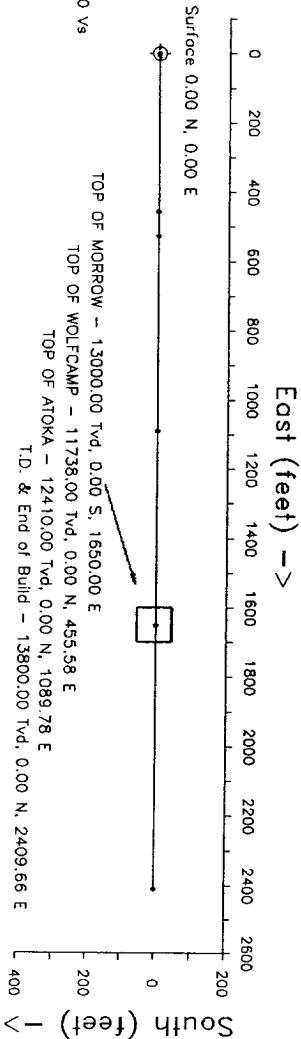
Location : LEA COUNTY, NEW MEXICO

## WELL PROFILE DATA

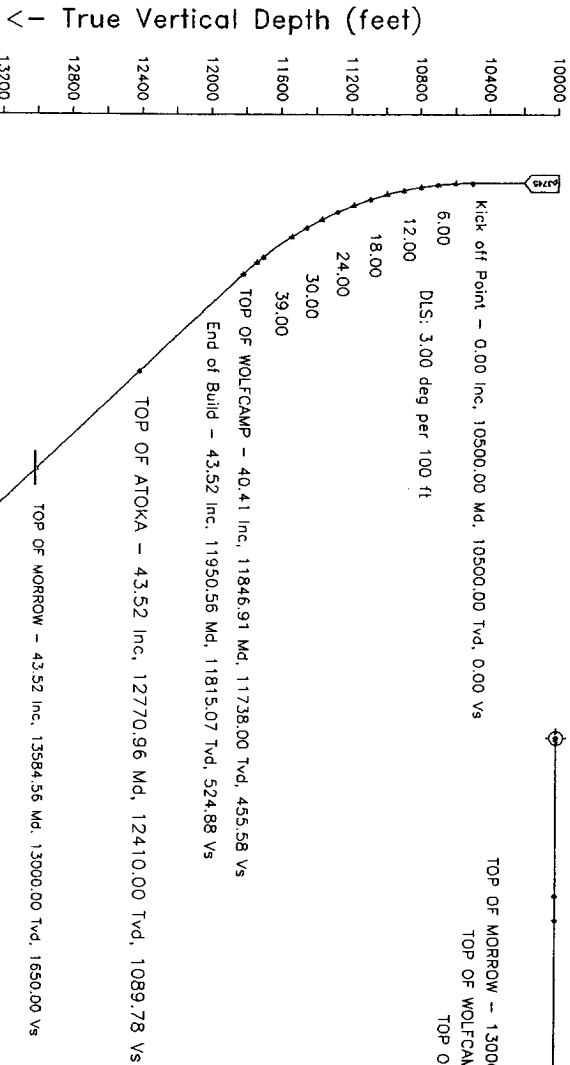
Point	MD	Inc	Dir	TVD	North	East	V. Sect	Deg/100
Top on	0.00	0.00	90.00	0.00	0.00	0.00	0.00	0.00
KOP	10500.00	0.00	90.00	10500.00	0.00	0.00	0.00	0.00
End of Build	11850.56	43.52	90.00	11815.07	0.00	524.88	524.88	3.00
Target TD	13584.56	43.52	90.00	13000.00	0.00	1650.00	1650.00	0.00
T.D. & End of Build	14687.78	43.52	90.00	13800.00	0.00	2409.66	2409.66	0.00



11-Mar-2003 (Source: BODV)  
Magnetic North is 8.48 degrees East of True North  
To convert azimuth from Magnetic to True add 8.48 deg



PROPOSED BHL  
2409.66' ON AZI 90.00 DEGS  
FROM SURFACE LOCATION  
M.D: 14687.78' T.V.D: 13800.00'  
N - 0.00' E - 2409.66'



INTEQ

BAKER  
HUGHES

Created By: Kellym  
Date plotted: 7-Apr-2003  
Plot Reference is PO 20J BW.  
Coordinates are in feet reference slot #1.  
True Vertical Depths are reference rotary table.  
devbrado1  
--- Baker Hughes INTEQ ---

Well name:	<b>Bradley "A" # 1</b>
Operator:	<b>N/A</b>
String type:	<b>Intermediate: Prod'n</b>

**Design parameters:**

**Collapse**

Mud weight: 10.000 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: 159 °F  
Temperature gradient: 0.70 °F/100ft  
Minimum section length: 517 ft

**Burst**

Max anticipated surface pressure: 2,500 psi  
Internal gradient: 0.427 psi/ft  
Calculated BHP 7,625 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: 10,187 ft

**Directional Info - Build & Hold**

Kick-off point 10500 ft  
Departure at shoe: 697 ft  
Maximum dogleg: 3 °/100ft  
Inclination at shoe: 43.52 °

**Re subsequent strings:**

Next setting depth: 14,688 ft  
Next mud weight: 11.500 ppg  
Next setting BHP: 8,775 psi  
Fracture mud wt: 30.000 ppg  
Fracture depth: 13,600 ft  
Injection pressure 21,195 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	12200	7	26.00	HCP-110	LT&C	11996	12200	6.151	126819
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	6232	7800	1.25	7625	9950	1.30	311.9	693	2.22 J

Devon Energy

Date: April 8,2003  
Oklahoma City, Oklahoma

**Remarks:**

Collapse is based on a vertical depth of 11996 ft, a mud weight of 10 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.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

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

Well name:	<b>Bradley "A" # 1</b>
Operator:	<b>N/A</b>
String type:	<b>Liner: Production</b>

**Design parameters:**
**Collapse**

Mud weight: 11.500 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: 172 °F  
Temperature gradient: 0.70 °F/100ft  
Minimum section length: 517 ft

**Burst**

Max anticipated surface pressure: 2,348 psi  
Internal gradient: 0.427 psi/ft  
Calculated BHP 8,240 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)

Liner top: 11,900 ft  
Directional Info - Build & Hold  
Kick-off point 10500 ft  
Departure at shoe: 2403 ft  
Maximum dogleg: 3 °/100ft  
Inclination at shoe: 43.52 °

Tension is based on air weight.

Neutral point: 14,206 ft

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	2778	4.5	13.50	P-110	LT&C	13793	14678	3.795	15566

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	8240	10680	1.30	8240	12410	1.51	27.2	338	12.43 J

Devon Energy

Date: April 8,2003  
Oklahoma City, Oklahoma

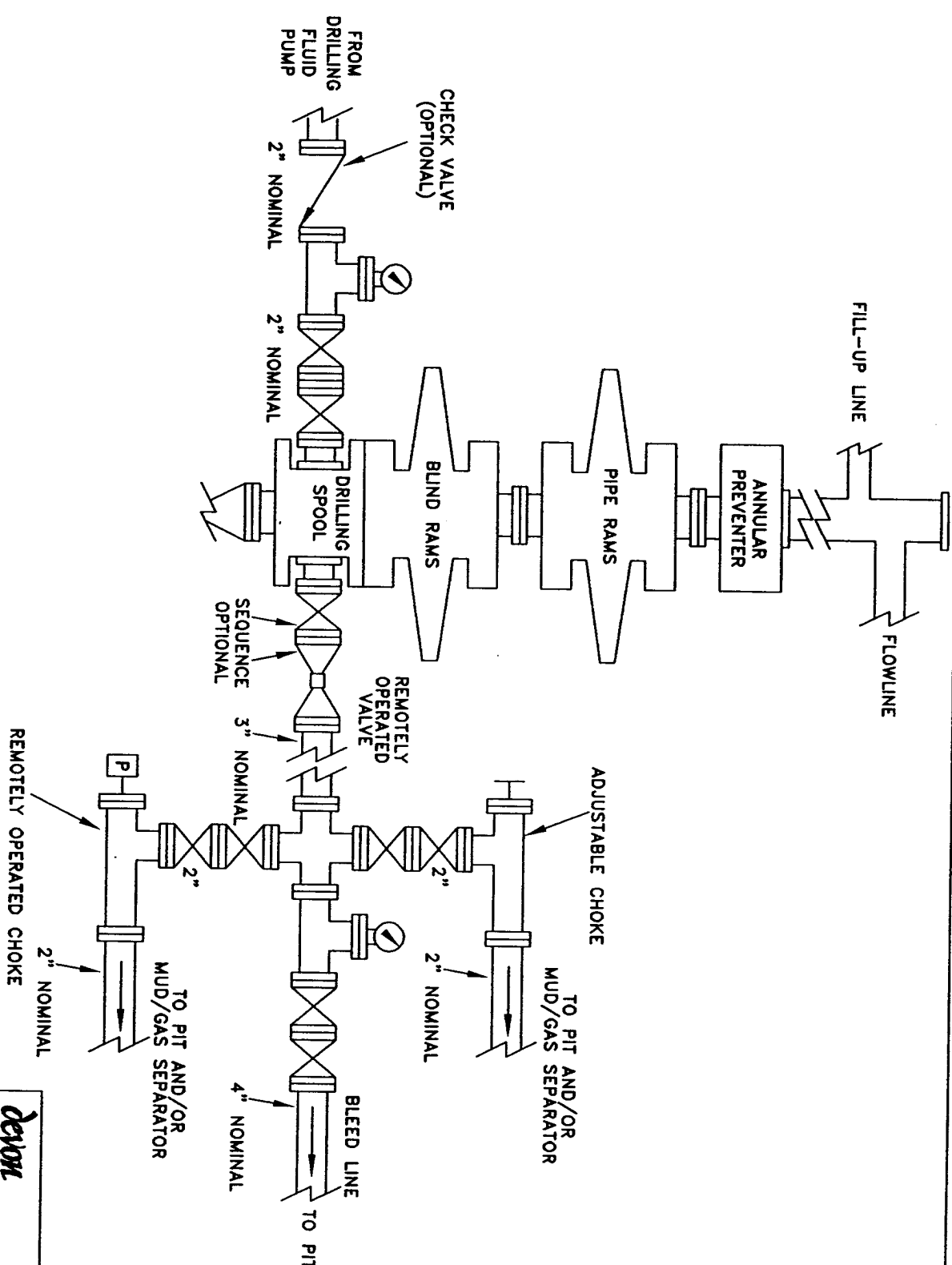
**Remarks:**

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 13793 ft, a mud weight of 11.5 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

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



st:\nm\pids	
5mbope.dwg	

AREA NAME	
COUNTY, STATE	
SCHEMATIC <b>PROPOSED 5-M BOPE AND CHOKE ARRANGEMENT</b>	
SC	10/00