

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

State of New Mexico  
Energy Minerals and Natural Resources



Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-101  
May 27, 2004

MAY 28 2008

OCD-ARTESIA

Submit to appropriate District Office

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

<sup>1</sup> Operator Name and Address Devon Energy Production Co, L.P. 20 North Broadway OKC, OK 73102-8260		<sup>2</sup> OGRID Number 6137	
<sup>3</sup> Property Code		<sup>4</sup> API Number 30-015-27559	
<sup>5</sup> Property Name EV State Com		<sup>6</sup> Well No 2	
<sup>9</sup> Proposed Pool 1 Happy Valley, Atoka (Gas)		<sup>10</sup> Proposed Pool 2	

<sup>7</sup> Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	32	22S	26E		2100	North	660	East	Eddy

<sup>8</sup> Proposed Bottom Hole Location If Different From Surface

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Additional Well Information

<sup>11</sup> Work Type Code P	<sup>12</sup> Well Type Code G	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3319' GL
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 11,800' (CIBP @ 11,265')	<sup>18</sup> Formation Happy Valley; Morrow (Gas)	<sup>19</sup> Contractor	<sup>20</sup> Spud Date
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: _____				
Closed-Loop System <input checked="" type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	54.5#	370'	400 sx	surface
12 1/4"	9 5/8"	40#	1654'	525 sx	surface
8 3/4"	7"	23/26#	10.466'	1080 sx	surface
6 1/8"	4 1/2"	14.98#	11.796'	200 sx	TOC @ 10.454'

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone Describe the blowout prevention program, if any. Use additional sheets if necessary.

Devon Energy Production Company, LP requests approval to plugback to the Happy Valley; Atoka from the existing Happy Valley; Morrow as follows:

- See attached procedures
- C-102

NOTE: NEW PIT RULE

Note: No H2S is expected to be encountered BOP to be used

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief I further certify that the drilling pit will be constructed according to NMOC guidelines <input checked="" type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Printed name Stephanie A. Ysasaga		Approved by <i>Jim W. Green</i>	
Title Sr Staff Engineering Technician		Title <i>District II Supervisor</i>	
E-mail Address Stephanie.Ysasaga@dmr.com		Approval Date <i>5/29/08</i> Expiration Date <i>5/29/10</i>	
Date 05/24/2008	Phone. (405)-552-7802	Conditions of Approval Attached <input checked="" type="checkbox"/>	

**Devon Energy Corporation**  
**EV State #2**  
**2100' FNL & 660' FEL - SEC 32 – T22S – R26E**  
**Eddy County, NM**  
 AFE #142485    API # 30-015-27559    WI=100%

**Objective:**                      **Temporarily abandon Morrow and test Atoka**

**Well Data:**

Surface Casing:            13-3/8" 54.5# J-55, STC @ 370' (TOC surface)  
 Intermed Casing:        9-5/8" 40# J-55 LTC @ 1654' (TOC surface)  
 Intermed Casing:        7" 23/26# N-80 LTC @ 10,466' (TOC surface)  
 Prod Liner:                4 1/2" 14.98# STC f/ 10,208' to 11,796' (TOC 10,454' calc)  
 KB elev:                    3332'                                      GL elev:                    3320'  
 PBTD:                      11,265' (CIBP w/35' cmt)                      TD: 11,800'  
 Tubing:                    2-3/8", 4.7#, N-80 EUE 8rd (Yellow Band) 368 jts  
 Packer:                    4 1/2" wireline set at 10,980'  
 Existing Perfs:            11,106'-12' Morrow  
 Proposed Perfs:          10,741'-52', 10,756'-64', 10,772'-78', 10,784'-87' and 10,794'-804' Atoka lime  
                                   10,478'-82', and 10,502'-10' Atoka Sand

**Procedure:**

1. RUPU. Bleed pressure off tubing. ND tree. NU BOP. Release packer. POOH.
2. RU wireline truck. Make GR/JB run to PBTD. Set composite plug at ~11,070' (cap with 10' cement after perforating). Perforate Atoka lime with 3 1/8" guns loaded 3 spf (120 ° phasing) as follows: 10,741'-52' (11'), 10,756'-64' (8'), 10,772'-78' (6'), 10,784'-87' (3'), and 10,794'-804' (10'). Total 38' and 114 holes.  
 Note: Correlate to Schlumberger Open Hole Log dated 6/1/1997
3. RIH w/ packer on tubing and set at ~10,710'. ND BOP. NU tree. Swab dry.
4. RU BJ Services. Stimulate Atoka lime with acid frac down tubing as per procedure. Note: only use number of ball sealers specified in procedure. Take 5, 10, and 15 minute pressures. RD BJ.
5. RU swab. Swab test well.
6. ND tree. NU BOP. Release packer and POOH.
7. RU wireline truck. Set composite plug at ~10,710'. Perforate Atoka sand with 3 1/8" guns loaded 2 spf (90° phasing) as follows: 10,478'-82' (4'), and 10,502'-10' (8'). Total 12' and 24 holes.

Note: Correlate to Schlumberger Open Hole Log dated 6/1/1997

8. RIH w/ packer on tubing and set at ~10,450'. ND BOP. NU tree. Swab dry.
9. RU BJ Services. Stimulate Atoka sand with sand frac down tubing as per procedure. Take 5, 10, and 15 minute pressures. RD BJ.
10. RU swab. Swab test well. Based on swab results Atoka could be DHC with Morrow.
11. RDMO.

GBM 5/21/08

16	<div data-bbox="1110 983 1468 1012"><b>OPERATOR CERTIFICATION</b></div> <div data-bbox="1058 1019 1511 1221"><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></div> <div data-bbox="1058 1227 1511 1410"><div data-bbox="1058 1287 1125 1306">Signature</div><div data-bbox="1373 1287 1417 1306">Date</div><div data-bbox="1058 1347 1263 1366">Stephanie A. Ysasaga</div><div data-bbox="1058 1372 1154 1391">Printed Name</div></div>
	<div data-bbox="1081 1481 1482 1510"><b>SURVEYOR CERTIFICATION</b></div> <div data-bbox="1058 1515 1511 1649"><i>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.</i></div> <div data-bbox="1058 1659 1205 1678">November 17, 2000</div> <div data-bbox="1058 1700 1169 1719">Date of Survey</div> <div data-bbox="1058 1734 1373 1753">Signature and Seal of Professional Surveyor</div> <div data-bbox="1154 1879 1409 1898">(See original C-102 for certification)</div> <div data-bbox="1058 1913 1190 1932">Certificate Number</div>

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

MAY 28 2008

OCD-ARTESIA

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator <b>COLLINS &amp; WARE, INC.</b>			Lease <b>E.V. STATE</b>		Well No. <b>2</b>
Unit Letter <b>H</b>	Section <b>32</b>	Township <b>22 SOUTH</b>	Range <b>26 EAST</b>	County <b>EDDY COUNTY, NM</b>	
Actual Footage Location of Well: <b>2100</b> feet from the <b>NORTH</b> line and <b>660</b> feet from the <b>EAST</b> line					
Ground level Elev. <b>3319.</b>	Producing Formation		Pool <b>Happ Valley; Morrow (GAS)</b>	Dedicated Acreage: <b>32.0</b> Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or machine marks on the plat below.</p> <p>2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).</p> <p>3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? <input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation _____ If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____ No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.</p>					
				<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  Printed Name <b>MAX GUERRY</b> Position <b>Register.</b> Company <b>Collins &amp; Ware, Inc.</b> Date <b>7-14-93</b>	
				<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 knowledge and belief.	
				Date Surveyed <b>JULY 7, 1993</b> Signature & Seal of Professional Surveyor  Certificate and Surveyor <b>NEW MEXICO</b> <b>REGISTERED PROFESSIONAL ENGINEER</b> <b>NO. 5412</b>	

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0