

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  
Revised March 17, 1999

Submit to appropriate District Office  
**RECEIVED**  
State Lease - 6 Copies  
Fee Lease - 5 Copies  
JAN 27 2004

OCD-ARTESIA ☐ AMENDED REPORT

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

<sup>1</sup> Operator Name and Address Pecos Production Company 400 W. Illinois, Suite 1070 Midland, TX 79701		<sup>2</sup> OGRID Number 215758
<sup>3</sup> Property Code 33413	<sup>5</sup> Property Name Simmental	<sup>4</sup> API Number 30-015 - 33230
		<sup>6</sup> Well No. 1

<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
G	22	20S	25E		1980'	NORTH	1980'	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

<sup>9</sup> Proposed Pool 1 Wildcat	<sup>10</sup> Proposed Pool 2
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<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code G	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 3445'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 9800'	<sup>18</sup> Formation Morrow	<sup>19</sup> Contractor NA	<sup>20</sup> Spud Date ASAP

<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"	48#	350'	250 sxs	Surface
11"	8 5/8"	24#	1400'	450 sxs	Surface
7 7/8"	4 1/2"	11.6#	9800'	1100 sxs	

<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.

**See Attached Program.**

**Cement to cover all oil, gas and  
water bearing zones.**

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Dora Lara</i> Printed name: Dora Lara Title Engr. Asst. Date: 1-26-04		OIL CONSERVATION DIVISION Approved by: <i>John A. Brown</i> Title: <b>SUPERVISOR, DISTRICT II</b> Approval Date: <b>FEB 1 1 2004</b> Expiration Date: <b>FEB 1 1 2005</b> Conditions of Approval: Attached <input type="checkbox"/>	
Phone: (432) 620-8480			

NOTIFY OCD SPUD & TIME  
TO WITNESS 8 5/8" CASING

18 Hours woc

Size	Wgt	Grd	Cplg	Sect L.	Depth	Col SF	Burst SF	Tens SF
8-5/8"	24	J-55	STC	1400	1400	2.2	1.47	7.20

MASP – 2000 psi.

#### **CEMENT**

Lead: 250 sx 50:50 Poz:C w/ 5% salt, 10% gel. 11.6 ppg. 2.61 cf/sk. 1000' fill x 100% excess.

Tail: 200 sx Class C w/ 1% CaCl. 14.8 ppg. 1.34 cf/sk. 500' fill x 100% excess.

#### **PRODUCTION HOLE**

Rig down 13-5/8" stack. Install 13-5/8" 3M x 11", 3M B-section and test seal to 3000 psi. Install 11", 3M double-ram BOP's w/ annular. Test BOP's and casing to 1500 psi.. Drill out shoe and drill 7-7/8" hole to 9,800 ft. Drill out 8-5/8" casing with cut brine. Control seepage w/ fibrous LCM sweeps. At 8000', lower WL to 10 cc, at 9,300' lower to WL to 6 cc. At TD, condition hole and log. If productive – condition hole for casing, change BOP rams and run 4-1/2 " production casing to TD. Run float shoe and float collar. Centralize casing through zones of interest.

#### **PRODUCTION CASING**

Size	Wgt	Grd	Cplg	Sect. L	Depth	Col. SF	Burst SF	Tens SF
4-1/2"	11.6#	L-80	LTC	9800	9800	1.29	1.57	1.96

#### **CEMENT**

Lead: 900 sx 50:50 Poz:H w/ 10% gel, 2% salt, 5# gilsonite. 11.6 ppg. 2.50 cf/sk.  
5800 ft fill w/ 50% excess.

Tail: 200 sx Class H w/ .8% FL-25, 2% KCl.  
1000 ft fill w/ 50% excess

#### **COMPLETION**

Set 75% casing weight on slips. Remove BOP's and install 11", 3M x 7-16", 3M tubinghead. Test seals to 3000 psi. RDMO rotary tools.

**Pecos Production Company  
Drilling Well Plan**

**Well Name:** Simmental No. 1

**Location:** 1980' FNL & 1980' FEL, Section 22, Twp 20-S, Rge 25-E, Eddy Co, NM

**Objective:** 9,800' Morrow

**Rig Specs:** 600 Hp w/ 10,000 – 12,000' depth bracket.  
Proj Max Drlg Hookload (16.6# dp): 170,000 lb.  
Proj Max Casing Hookload: 130,000 lb.

**BOP's:** Surface Hole: None  
Intermediate: 13-5/8", 3M Double Ram w/ Annular.  
Production: 11", 3M Double Ram w/ Annular.

**EST FORMATION TOPS**

Yates	400	Wolfcamp	6,700
San Andres	725	Morrow	9,200
Glorietta	2,300	Clastics	9,550
Bone Spring	4,000	TD	9,800

**LOCATION**

Build 280' x 180' caliche pad w/ 130 x 130 double horseshoe reserve. Use material from reserve for pad and road surface. Keep reserve pit below grade to facilitate reclamation to OCD guidelines. Install 6' x 6' x 6' cellar. Drill and grout in 40 ft of 20" conductor pipe.

**SURFACE HOLE**

Drill 17-1/2" surface hole to +/- 350'. Use fresh water – native mud. Circulate steel pits to control washout. Run and cement 13-3/8" casing. Centralize every other collar. Install Texas Pattern Guide shoe and insert float. Displace w/ fresh water.

**SURFACE CASING**

Size	Wgt	Grd	Cplg	Depth	Col SF	Burst SF	Tens SF
13-3/8"	48#	H-40	STC	350	4.43	1.15*	17.80

MASP – 1500 psi.

**CEMENT**

250 sx Class C w/ 1/4# celloflake, 2% CaCl. 14.8 ppg. 1.34 cf/sk.

**INTERMEDIATE HOLE**

WOC 4 hrs. Cut off conductor and 13-3/8" casing. Weld on 13-3/8" SO x 13-5/8", 3M Bradenhead. Install and test 13-5/8", 3M BOP. Test casing to 1000 psi. Drill out shoe and drill 11" hole to 1400'. Circulate fresh water through reserve pit. Run and cement 8-5/8" casing. Centralize shoe joint and every 4th collar back to surface. Install cement nose guide shoe and float collar. Set 75 % csg weight on slips after bumping plug.

**INTERMEDIATE CASING**

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88211-0719

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

DISTRICT IV  
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

**OIL CONSERVATION DIVISION**  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088  
**WELL LOCATION AND ACREAGE DEDICATION PLAT**

☐ AMENDED REPORT

API Number 30-015	Pool Code	Pool Name WILDCAT
Property Code	Property Name SIMMENTAL	Well Number 1
OGRID No. 215758	Operator Name PECOS PRODUCTION COMPANY	Elevation 3445'

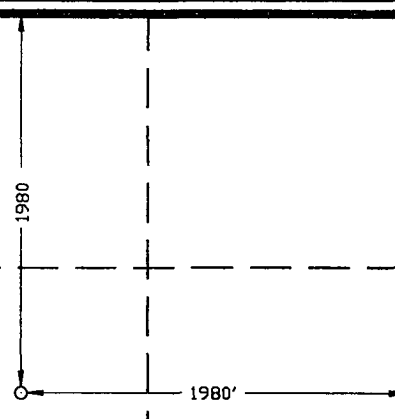
**Surface Location**

UL or lot No. G	Section 22	Township 20-S	Range 25-E	Lot Idn	Feet from the 1980'	North/South line NORTH	Feet from the 1980'	East/West line EAST	County EDDY
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**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
Dedicated Acres 320	Joint or Infill	Consolidation Code	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

<b>GEODETTIC COORDINATES</b> WGS 84 NMSPC EZ Y=567743.5 X=499081.3 LAT. 32°33'38.55"N LONG. 104°28'13.76"W		<b>OPERATOR CERTIFICATION</b>  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.  <i>Dora Lara</i> Signature  Dora Lara Printed Name  Engr Asst. Title  1-26-04 Date
		<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.  DECEMBER 19, 2002 Date Surveyed  Signature & Seal of Professional Surveyor  <i>Ronald J. Eidson</i> 12/29/02 02.110994  Certificate No. RONALD J. EIDSON 3239 GARY EIDSON 12641

**Pecos Production Company  
400 W. Illinois Suite 1070  
Midland, TX 79701**

February 5, 2004

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FEB 09 2004

OCD-ARTESIA

Mr. Brian Arrant  
New Mexico Oil Conservation Division – District 2  
1301 W. Grand St  
Artesia, NM 88210

RE: Rule 118 Requirements  
Simmental No. 1  
1980' FNL & FEL, Section 22, Twp 20-S, Rge 25-E, Eddy Co, NM

Brian,

To address the Hydrogen Sulfide Issues on the proposed well. Research of the production around the proposed location shows no H<sub>2</sub>S in the producing Morrow Zone. However the wellbore will penetrate certain water-bearing strata, namely the San Andres and Cisco/Canyon Intervals which usually have H<sub>2</sub>S entrained in the water. The maximum escape rate would be so small that none of the "Potentially Hazardous Volume" criteria would be met. The location is more than a mile from any dwelling or public road.

Pecos does plan to install an effective monitoring and warning system for the immediate work areas of the location, and train the rig personnel in H<sub>2</sub>S safety practices and equipment. If you need further information on this matter, please call me at 432-620-8480.

Yours truly,



William R. Huck  
VP, Engr & Opns.