

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

Form C-101  
Revised March 17, 1999

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

Submit to appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

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> API Number 30-025-36259
<sup>3</sup> Property Code 32179	<sup>5</sup> Property Name Overland	<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
V	2	16-S	37-E		1276'	South	1724'	West	Lea

<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 Southeast Dean-Wolfcamp					<sup>10</sup> Proposed Pool 2 Northeast Lovington-Upper Penn				

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 3791'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 11,500'	<sup>18</sup> Formation Wolfcamp	<sup>19</sup> Contractor Unknown	<sup>20</sup> Spud Date As Soon As Approved

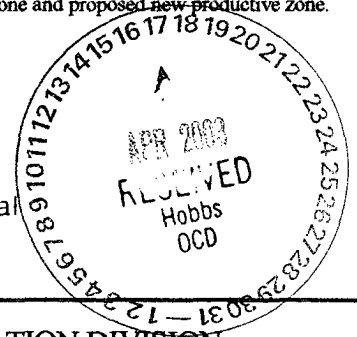
<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	48#	400'	400 sxs	Circ
11"	8-5/8"	32#	4,800'	865sxs	500'
7-7/8"	5-1/2"	17#	11,500'	465 sxs	7,000'

<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 Well Program.**

Permit Expires 1 Year From Approval Date Unless Drilling Underway



<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		<b>OIL CONSERVATION DIVISION</b>	
Signature: <i>William R. Huck</i>		Approved by: <i>Chris Williams</i>	
Printed name: William R. Huck		Title: <b>OC DISTRICT SUPERVISOR/GENERAL MANAGER</b>	
Title: VP - Engr. & Operations		Approval Date: <b>APR 22 2003</b> Expiration Date:	
Date: 4-14-03	Phone: (915) 620-8480	Conditions of Approval: Attached <input type="checkbox"/>	

**Pecos Production Company  
Drilling Well Plan**

**Well Name:** Overland No. 1  
**Location:** 1276' FSL & 1724' FWL, Section 2, Twp 16-S, Rge 37-E, Lea Co, NM  
**Objective:** 11,500' Wolfcamp Reef Test.  
**Rig Specs:** 800 Hp w/ 12,000 – 14,000' depth bracket.  
 Proj Max Drlg Hookload (20# dp): 260,000 lb.  
 Proj Max Casing Hookload: 225,000 lb.  
**BOP's:** Surface Hole: None  
 Intermediate: 13-5/8", 3M Double Ram w/ Annular.  
 Production: 11", 5M Double Ram w/ Annular.

**EST FORMATION TOPS**

Rustler	2,140	Abo	8,580
Yates	3,325	Wolfc Shale	10,000
Queen	4,280	Reef	10,800
Grayburg	4,744	TD	11,500
SanAndres	4,900		
Glorietta	6,475		
Tubb	7,900		

**LOCATION**

Build 300' x 200' caliche pad w/ 150 x 150 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 +/- 480'. 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**

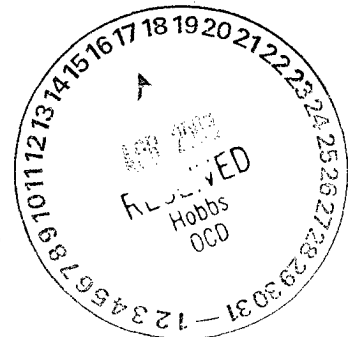
Size	Wgt	Grd	Cplg	Depth	Col SF	Burst SF	Tens SF
13-3/8"	48#	H-40	STC	480	3.74	1.15	16.77

**CEMENT**

Lead: 270 sx Class C w/ 4% gel, 1/4# Celloflake, 2% CaCl. 13.4 ppg. 1.77 cf/sk.  
 Tail: 150 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 double-ram BOP's w/ Annular. Test casing to 1000 psi. Drill out shoe and drill 11" hole to 4800'. Circulate fresh water / native mud to 1800 ft. Add brine to control washout in salt section 2300' to 3300'. Add oil as need for lubricity. Lower waterloss to 20 cc at 4800 ft to



stabilize hole for casing job. Run and cement 8-5/8" casing. Centralize shoe joint and every 4 collar back to 3000'. Install cement nose guide shoe and float collar. Set 75 % csg weight on slips after bumping plug.

**INTERMEDIATE CASING**

Size	Wgt	Grd	Cplg	Sect L.	Depth	Col SF	Burst SF	Tens SF
8-5/8"	32	J-55	STC	3800	3800	1.25	1.31	2.42
8-5/8"	32	HCK-55	STC	1000	4800	1.62	1.31	11.6
MASP	3000							

**CEMENT**

Lead: 665 sx 50:50 Poz:C w/ 5% salt, 10% gel. 11.6 ppg. 2.61 cf/sk. 1250' fill x 100% excess.  
 Tail: 200 sx Class C w/ 1% CaCl. 14.8 ppg. 1.34 cf/sk. 750' fill x 50% excess.  
 Calc TOC: 1200'.

**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", 5M double-ram BOP's w/ annular. Test BOP's and casing to 2500 psi.. Drill out shoe and drill 7-7/8" hole to 11,500 ft. Drill out 8-5/8" casing with fresh water. Mud up at 10,000' with Bentonite-Polypac system w/ 34-36 sec vis and 10 – 15 cc WL. Maintain rheology to TD. Control seepage w/ fibrous LCM. At TD, condition hole and log. If productive – condition hole for casing, change BOP rams and run 5-1/2 " 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
5-1/2"	17#	N-80	LTC	2000	2,000	6.41	1.37	2.04
5-1/2"	17#	N-80	LTC	6350	8,350	1.20	1.18	1.81
5-1/2"	20#	L-80	LTC	3150	11,500	1.11	1.37	NA

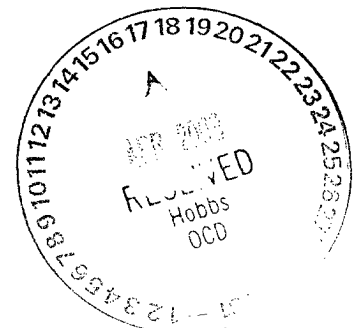
**CEMENT**

Lead: 260 sx 50:50 Poz:H w/ 10% gel, 2% salt, 5# gilsonite. 11.6 ppg. 2.50 cf/sk. 2500 ft fill w/ 50% excess.

Tail: 150 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", 5M tubinghead. Test seals to 5000 psi. RDMO rotary tools.



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

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT AMENDED REPORT

API Number <b>30-025-36259</b>	Pool Code <b>97005</b>	Pool Name Southeast Dean-Wolfcamp
Property Code <b>97005 32179</b>	Property Name OVERLAND	Well Number 1
OGRID No. 215758	Operator Name Pecos Production Company	Elevation 3791'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
V	2	16-S	37-E		1276	SOUTH	1724	WEST	LEA

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 40	Joint or Infill	Consolidation Code	Order No. <b>NSL-4861</b>						

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

GEODETIC COORDINATES  
NAD 27 NMEZ  
Y=710103.7  
X=840574.5  
LAT. 32°56'49.97"N  
LONG. 103°13'23.34"W

LOT 4	LOT 3	LOT 2	LOT 1
49.35 AC	49.22 AC	49.08 AC	48.95 AC
LOT 5	LOT 6	LOT 7	LOT 8
40 AC.	40 AC.	40 AC.	40 AC.
LOT 12	LOT 11	LOT 10	LOT 9
40 AC.	40 AC.	40 AC.	40 AC.
LOT 13	LOT 14	LOT 15	LOT 16
40 AC.	40 AC.	40 AC.	40 AC.

SCALE: 1" = 2000'

**OPERATOR CERTIFICATION**

*I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.*

*William R. Huck*  
Signature

William R. Huck  
Printed Name

VP-Engr. & Operations  
Title

4/2/03  
Date

---

**SURVEYOR CERTIFICATION**

*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.*

JUNE 18, 2002

Date Surveyed \_\_\_\_\_ AWB

Signature & Seal of Professional Surveyor  
*Ronald S. Eidson*  
Professional Surveyor

NEW MEXICO  
02-11-0461

Certificate No. 3239 **RONALD S. EIDSON** 3239  
Professional Surveyor **GARY EIDSON** 12641

DISTRICT I  
P.O. Box 1880, Hobbs, NM 88241-1980

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
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DISTRICT II  
P.O. Brewer DD, Artesia, NM 88211-0719

**OIL CONSERVATION DIVISION**  
P.O. Box 2088

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

Santa Fe, New Mexico 87504-2088

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

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

AMENDED REPORT

API Number <b>30-025-36259</b>	Pool Code <b>40760</b>	Pool Name Northeast Lovington-Upper Penn
Property Code <b>40760 32179</b>	Property Name <b>OVERLAND</b>	Well Number 1
OGRID No. 215758	Operator Name Pecos Production Company	Elevation 3791'

Surface Location

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Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
<b>40.80</b>			<b>NSL-4861</b>

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JUNE 18, 2002

Date Surveyed \_\_\_\_\_ AWB  
Signature of \_\_\_\_\_  
Professional Surveyor  
NEW MEXICO  
*Ronald S. Edson*  
82.11.0461  
Certificate No. RONALD S. EDSON 3239  
MARK EDSON 12641

# BLOWOUT PREVENTOR ARRANGEMENT

- 11" SHAFFER TYPE LWS, 5000 psi WP
- 11" CAMERON SPHERICAL, 5000 psi WP
- 120 GALLON, 5 STATION KOOMEY ACCUMULATOR
- 5000 psi WP CHOKE MANIFOLD

