

District I
1625 N French Dr, Hobbs, NM 882
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

RECEIVED State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

MAR 10 2008 Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

AMENDED REPORT

HOBBS OCD

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

Operator Name and Address Pecos Operating Company, LLC 400 W. Illinois Ave., Ste 1210 Midland, TX 79701		OGRID Number 246798
Property Code 303965	Property Name State 'GA'	API Number 30-025-03687
Proposed Pool 1 Caudill Devonian		Proposed Pool 2 Caudill Permo-Penn
Well No 6		

Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	16	15S	36E		660	North	990	West	Lea

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

Work Type Code E	Well Type Code O	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 3924'
Multiple No	Proposed Depth 13682'	Formation Devonian	Contractor	Spud Date 5-1-08
Depth to Groundwater 100'		Distance from nearest fresh water well 1000'		Distance from nearest surface water N/A
Pit Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Closed-Loop System <input checked="" type="checkbox"/> Drilling Method: Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/4"	13 3/8"	48#	352'	400	circ
11"	8 5/8"	32#	4734'	1700	circ
7 7/8"	5 1/2"	17 & 20#	13668*	200	12110'

²² 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.

This well was drilled in 1955. Plugged in 1967. 5 1/2" casing was cut off @ 9006. Proposed re-entry to clean out and tie 5 1/2" casing back to surface. Clean out to TD and re-test Devonian.

**Permit Expires 2 Years From Approval
Date Unless Drilling Underway**

²³ 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 NMOCD guidelines , a general permit , or an (attached) alternative OCD-approved plan .

Signature: *Steven Gray*
Printed name: Steven Gray
Title: Manager
E-mail Address: steveg@pecoscompanies.com
Date: 3-6-08 Phone: 432-620-8480

OIL CONSERVATION DIVISION
Approved by: *Chris Williams*
Title: **OCD DISTRICT SUPERVISOR/GENERAL MANAGER**
Approval Date: MAR 13 2008
Expiration Date:
Conditions of Approval Attached

**Permit Expires 2 Years From Approval
Date Unless Drilling Underway
Re-Entry**

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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 October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies ✓
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-03687	² Pool Code 10640 ✓	³ Pool Name Caudill Devonian
⁴ Property Code 303965	⁵ Property Name State 'GA'	
⁷ OGRID No. 246798	⁸ Operator Name Pecos Operating Company, LLC	⁶ Well Number 6
⁹ Elevation 3924'		

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	16	15S	36E		660	North	990	West	Lea

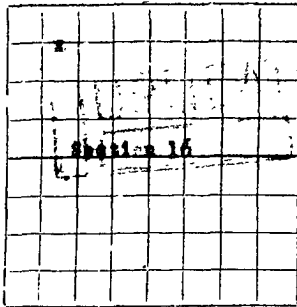
¹¹ Bottom Hole Location If Different From Surface

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

¹² Dedicated Acres 40 ✓	¹³ Joint or Infill N	¹⁴ Consolidation Code	¹⁵ Order No.
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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.

	¹⁷ OPERATOR CERTIFICATION		
	<p><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></p> <p>Signature: <u>Steven Gray</u> Date: <u>3/7/08</u></p> <p>Printed Name: <u>STEVEN GRAY</u></p>		
	¹⁸ SURVEYOR CERTIFICATION		
<p><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></p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor.</p>			
Certificate Number			



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE.

Shell Oil Company
(Company or Operator)

State GA
(Lease)

Well No. 6, in NW 1/4 of NW 1/4, of Sec. 16, T. 15-S, R. 26-W, NMPM.

Cundill-Jevonian Pool, Lee County.

Well is 660 feet from north line and 990 feet from west line

of Section 16. If State Land the Oil and Gas Lease No. is L-1044

Drilling Commenced August 6, 1955. Drilling was Completed November 1, 1955

Name of Drilling Contractor Company Tools & Rig # 14

Address Box 1500, Midland, Texas

Elevation above sea level at Top of Tubing Head 3914. The information given is to be kept confidential until not confidential, 19

OIL SANDS OR ZONES

No. 1, from 13,365 to 13,510 No. 4, from to

No. 2, from to No. 5, from to

No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
13 3/8"	484	new	736				Surface String
8 5/8"	325	new	4,724				Salt String
5 1/2"	174 & 204	new	13,668			13,370'-13,510'	Oil String

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17 1/4"	17 3/8"	352	400	Pump & Plug	Cemented to surface	
11"	8 5/8"	4,740	1900	Pump & Plug	Cemented to surface	
7 7/8"	5 1/2"	13,682	200	Pump & Plug		

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Washed casing perforations 13,370' - 13,510' w/500 gallons mud cleanout agent then injected 1500 gallons mud cleanout agent. Treated w/3000 gallons 15% HCl acid.

Result of Production Stimulation. On CPT flowed hole WPD, out 0.5' water, thru 3/4" choke. FID 125 psi. EOR 50 psi. GOR 161

Depth Cleaned Out 13,639'

RECORD OF DRILL-STEM AND SPECIAL TEST

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 0 feet to 13,682 feet, and from _____ feet to _____ feet.
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

PRODUCTION

Put to Producing November 9, 1955

OIL WELL: The production during the first 24 hours was 604 barrels of liquid of which 99.5 % was oil; _____ % was emulsion; 0.5 % water; and _____ % was sediment. A.P.I. Gravity 55 deg. API 161

GAS WELL: The production during the first 24 hours was _____ M.C.F. plus _____ barrels of liquid Hydrocarbon. Shut in Pressure _____ lbs.

Length of Time Shut in _____

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico

Northwestern New Mexico

- | | | |
|--|--|----------------------------|
| T. Anhy..... | T. Devonian <u>604</u> <u>13,368' (-9444')</u> | T. Ojo Alamo..... |
| T. Salt..... | T. Silurian..... | T. Kirtland-Fruitland..... |
| B. Salt..... | T. Montoya..... | T. Farmington..... |
| T. Yates..... | T. Simpson..... | T. Pictured Cliffs..... |
| T. 7 Rivers..... | T. McKee..... | T. Menefee..... |
| T. Queen..... | T. Ellenburger..... | T. Point Lookout..... |
| T. Grayburg..... | T. Gr. Wash..... | T. Mancos..... |
| T. San Andres..... | T. Granite..... | T. Dakota..... |
| T. Glorieta <u>604</u> <u>13,368' (-9444')</u> | T. Woodford Shale <u>13,280' (-9356')</u> | T. Morrison..... |
| T. Drinkard <u>111,740' (-9384')</u> | T. Wolfcamp <u>111,964' (-9320')</u> | T. Penn..... |
| T. Tubbs..... | T. | T. |
| T. Abo <u>shale 8100' (-8176')</u> | T. | T. |
| T. Penn <u>line 10,418' (-8444')</u> | T. | T. |
| T. Miss <u>line 12,565' (-8641')</u> | T. | T. |

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	10300	10300	No samples taken				
10300	12630	2330	Line & Shale				
12630	13250	620	Lime				
13250	13368	118	Shale				
13368	13682	314	Dolomite				
	13	13682					

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

November 14, 1955 (Date)

Company or Operator Shell Oil Company

Address Box 1997, Hobbs, New Mexico

Name B. Nevill Original signed by B. Nevill

Position or Title Division Exploitation Engineer

17 03 01 000 000

1 - 101 11 No 20:53

ATTACHMENT FOR FORM C-105

STATE GA-6
CAUDILL-DEVONIAN

DST # 1: 13,385' - 13,490' (105' Devonian dolomite) w/2000' WB. Tool open 180 minutes thru 5/8" BC & 1" TC on 4" DS. Good immediate blow lasting throughout. GTS 155 minutes. Did not flow. Pulled drill pipe & found fluid w/44 stands out. Reversed out WB + 7100' (75 bbls.) oil. Gravity 61.3 deg. API. Recovered 300' heavily oil & gas cut mud below circulating sub. No evidence of formation water. FBHP 1125 - 2700 psi. 30 minutes SBHP 4680 psi. HMM 6255 - 6120 psi. Positive Test. (Johnston)

DST # 2: 13,490' - 13,670' (180' Devonian dolomite) w/2000' WB. Tool open 135 minutes thru 5/8" BC & 1" TC on 4" DS. Tool opened w/immediate strong blow lasting throughout test. GTS 115 minutes. Pulled drill pipe & found fluid w/3 stands + 1 single (300') out of hole. Reversed out WB + 11,170' (112 bbls.) oil. Gravity 59.3 deg. API. Recovered 180' very heavily oil & gas cut mud below circulating sub. No evidence of formation water. FBHP 1500 - 4200 psi. 30 minutes SBHP 5250 psi. HMM 6725 - 6625 psi. Positive Test. (Johnston)