

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  
May 27, 2004

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

Submit to appropriate District Office

☐ AMENDED REPORT

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

Operator Name and Address Samson Resources Company 200 N. Lorraine Street, Ste 1010 Midland, TX 79701		OGRID Number 20165
		API Number 30-015-31133
Property Code 35917	Property Name Adobe Flat 18D State Com	Well No. 1
Proposed Pool 1 Cataclaw Draw (Morrow)		Proposed Pool 2

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	18	21S	26E		660	North	660	West	Eddy

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 G	Cable/Rotary Rotary	Lease Type Code S	Ground Level Elevation 3264
Multiple No	Proposed Depth 10722	Formation Morrow	Contractor Key Energy	Spud Date 6/21/2000
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> <u>N/A</u> mils thick Clay <input type="checkbox"/> Pit Volume: <u>N/A</u> bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input checked="" 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
	13.375	48	493'	Set	
	8.625	32	2100'	Set	
7.875	4.50	11.6	10722'	400	8500'

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.

Weld on 8 5/8" SOW x 9" 5000 casing head  
NU 5000 psi BOP. Test BOP to 5000  
Drill out cement plugs.  
Run RFT's  
GIH w/4.5" csg Cement 4.5" w/CI H w/additives.  
Perf Morrow (10556' - 10561', 10574' - 10600')  
Frac Morrow w/70 M# 20/40 ISP  
Run plr and 2 3/8" tubing.  
Flow test.  
No H2S present.

will utilize Tanks instead of pits

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 type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Printed name: Ken Krawietz		Approved by:	
Title: District Engineer		BRYAN G. ARRAUT	
E-mail Address: kkrawietz@samson.com		DISTRICT II GEOLOGIST	
Date: 7/19/2006	Phone: (432) 683-7063	Approval Date: AUG 01 2006	Expiration Date: AUG 01 2007
		Conditions of Approval Attached <input type="checkbox"/>	

**District I**

1625 N. French Dr., Hobbs, NM 88240

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1220 S. St. Francis Dr., Santa Fe, NM 87505

## State of New Mexico

Energy, Minerals &amp; 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

<sup>1</sup> API Number 30-015-31133	<sup>2</sup> Pool Code	<sup>3</sup> Pool Name Catchlaw Draw (Morrow)
<sup>4</sup> Property Code 25836	<sup>5</sup> Property Name ADOBE FLAT 18D STATE COM	<sup>6</sup> Well Number 1
<sup>7</sup> OGRID No. 20165	<sup>8</sup> Operator Name Samson Resources Co.	<sup>9</sup> Elevation 3264'

<sup>10</sup> Surface Location

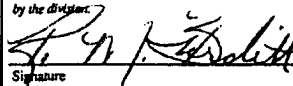
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
D	18	21S	26E		660	North	660	West	Eddy

<sup>11</sup> Bottom Hole Location If Different From Surface

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

<sup>12</sup> Dedicated Acres 320	<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>16</sup>				<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, 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.  Signature _____ Date July 19, 2006 R.M. Burdin Printed Name
<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 _____				Copy Of Form C-102: Surveyor Certification Dated May 2, 2000 is attached and made part of this Well Location and Acreage Dedication Plat

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

**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, NM 87507-2088

State of New Mexico  
Energy, Minerals, and Natural Resources Department

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

Revised 02-10-94  
Instructions on back

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

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1 API Number		2 Pool Code		3 Pool Name					
4 Property Code		5 Property Name ADOBE FLAT '18D' STATE COM						6 Well Number 1	
7 OGRID No.		8 Operator Name						9 Elevation 3264'	
10 SURFACE LOCATION									
UL or lot no. D	Section 18	Township 21 SOUTH	Range 26 EAST, N.M.P.M.	Lot Ida	Feet from the 660'	North/South line NORTH	Feet from the 660'	East/West line WEST	County EDDY
11 BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE									
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 320		13 Joint or Infill		14 Consolidation Code		15 Order No.			
NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION									
						<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			
						Title			
						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.			
						Date of Survey MAY 2, 2000			
						Signature and Seal of Professional Surveyor			
						Certificate No. V. L. BEZNER R.P.S. #7920			
						JOB #69024 / 50 NE / V.H.B.			

R. W. Byram &amp; Co., - Sept., 2002

## SECTION III

New Mexico Page 131

**SOUTH BUFFALO-PENNSYLVANIAN POOL**  
Lea County, New Mexico

Order No. R-4119, April 1, 1971, Establishing Pool.

T-19-S, R-33-E SE/4 Sec. 16.

**H. G. MORROW GAS POOL**  
Eddy County, New MexicoOrder No. R-4119, April 1, 1971, Establishing Pool, as Amended by  
Order No. R-10568, April 1, 1996.

T-19-S, R-30-E E/2 Sec. 30; N/2 Sec. 31.

**HAYSTACK-CISCO GAS POOL**  
Chaves County, New MexicoOrder No. R-4119, April 1, 1971, Establishing Pool, as Amended by  
Order No. R-4167, August 1, 1971; Order No. R-4258, March 1, 1972;  
Order No. R-4437, December 1, 1972; Order No. R-7158, January 1,  
1983; Order No. R-7334, September 1, 1983; Order No. R-9709,  
September 1, 1992.T-6-S, R-27-E Secs. 9, 16; S/2 Sec. 19; Secs. 20, 21, 28; N/2 Sec.  
30.**KEMNITZ-MORROW GAS POOL**  
Lea County, New MexicoOrder No. R-4119, April 1, 1971, Establishing Pool, as Amended by  
Order No. -5361, March 1, 1977; Order No. R-5456, July 1, 1977;  
Order No. R-6623, April 1, 1981; Order No. R-6758, September 1,  
1981; Order No. R-6810, November 1, 1981; Order No. R-9615,  
December 1, 1991; Order No. R-10910, August 1, 1997; Order No. R-  
11183, June 1, 1999.T-16-S, R-34-E Sec. 9; S/2 Sec. 12; W/2 Sec. 13; N/2 and  
SW/4 Sec. 14; W/2 Sec. 15; Sec. 16; N/2 Sec. 22; W/2 Sec. 23.**SAND DUNES LOWER-PENNSYLVANIAN GAS POOL**  
Eddy County, New Mexico

Order No. R-4119, April 1, 1971, Establishing Pool.

T-23-S, R-31-E W/2 Sec. 14.

**EAST SKAGGS-DRINKARD GAS POOL**  
Lea County, New Mexico

Order No. R-4119, April 1, 1971, Establishing Pool.

Pool abolished by Order No. R-4995, May 1, 1975.

**VEST RANCH-QUEEN ASSOCIATED POOL**  
(Formerly Vact Ranch-Queen Pool)  
Chaves County, New MexicoOrder No. R-4132, May 1, 1971, Establishing Pool, as Amended by  
Order No. R-4207, November 1, 1971; Order No. R-4377, September  
1, 1972; Order No. R-4835, September 1, 1974; Order No. R-4915,  
December 1, 1974; Order No. R-5180, April 1, 1976; Order No. R-  
5252, September 1, 1976; Order No. R-5456, July 1, 1977.T-14-S, R-30-E E/2 Sec. 9; E/2 Sec. 16; E/2 Sec. 21; E/2,  
SW/4 Sec. 28; SE/4 Sec. 29; Sec. 32; W/2, SE/4 Sec. 33.T-15-S, R-30-E W/2 Sec. 4; Secs. 5, 8; W/2 Sec. 9; NW/4,  
NW/4 SW/4 Sec. 16; N/2 Sec. 17.**NORTHWEST TODD-SAN ANDRES ASSOCIATED POOL**  
(Formerly Northwest Todd-San Andres Gas Pool)  
Roosevelt County, New MexicoOrder No. R-4136, May 6, 1971, Establishing Pool, as Amended by  
Order No. R-4915, December 1, 1974; Order No. R-6449, September  
1, 1980.T-7-S, R-35-E NE/4 Sec. 7; W/2 Sec. 8; NW/4 Sec. 16; N/2 Sec.  
17.**WEST WARREN-BLINEBRY POOL**  
Lea County, New MexicoOrder No. R-4146, June 1, 1971, Establishing Pool, as Amended by  
Order No. R-5626, February 1, 1978.

Pool abolished by Order No. R-6005, June 1, 1979.

**AID-MORROW GAS POOL**  
Eddy County, New MexicoOrder No. R-4155, July 1, 1971, Establishing Pool, as Amended by  
Order No. R-8065, November 1, 1985.

T-17-S, R-28-E W/2 Sec. 13; N/2 Sec. 24.

**EAST TERRY-BLINEBRY POOL**  
Lea County, New MexicoOrder No. R-4155, July 1, 1971, Establishing Pool, as Amended by  
Order No. R-6657, May 1, 1981.

T-20-S, R-39-E SE/4 Sec. 30; N/2 Sec. 31.

**CATCLAW-DRAW-MORROW GAS POOL**  
Eddy County, New MexicoOrder No. R-4157, June 21, 1971, Establishing Pool, as Amended by  
Order No. R-4232, January 1, 1972; Order No. R-4324, June 15, 1972;  
Order No. R-4421, November 1, 1972; Order No. R-4540, June 1,  
1973; Order No. R-4704, January 15, 1974; Order No. R-4734, March  
1, 1974; Order No. R-4861, November 1, 1974; Order No. R-4887,  
November 1, 1974; Order No. R-5204, May 1, 1976; Order No. R-  
5599, December 27, 1977; Order No. R-6368, July 1, 1980; Order No.  
R-6698, June 1, 1981; Order No. R-4157-D, September 1, 1981; Order  
No. R-11122, January 1, 1999; Order No. R-11534, February 1, 2001T-21-S, R-25-E Sec. 1; Lots 1 through 16, S/2 Sec. 2; Secs. 11  
through 14, 23 through 28, 34 through 36.

T-21-S, R-26-E Sec. 19.

R. W. Byram &amp; Co., - Dec., 2003

## SECTION III

New Mexico Page 14

MALAGA-MORROW GAS POOL  
Eddy County, New Mexico

Order No. R-4821, August 1, 1974, Establishing Pool, as Amended by Order No. R-5334, December 1, 1976; Order No. R-5754, July 1, 1978; Order No. R-6499, November 1, 1980; Order No. R-6698, June 1, 1981; Order No. R-7419, January 1, 1984; Order No. R-7875, May 1, 1985

T-24-S, R-28-E W/2 Sec. 2; S/2 Sec. 10; Sec. 11; S/2 Sec. 12; W/2 Sec. 14; Secs. 15, 22; N/2 Sec. 23.

BLINEBRY OIL AND GAS POOL  
Lea County, New Mexico

Order No. R-1670-N, January 1, 1974, Defining Pool, as Amended by Order No. R-4835, September 1, 1974; Order No. R-4861, November 1, 1974; Order No. R-4957, March 1, 1975; Order No. R-5015, June 1, 1975; Order No. R-5124, December 1, 1975; Order No. R-5215, June 1, 1976; Order No. R-5252, September 1, 1976; Order No. R-5309, November 1, 1976; Order No. R-5338, January 1, 1977; Order No. R-5417, May 1, 1977; Order No. R-5456, July 1, 1977; Order No. R-5511, September 1, 1977; Order No. R-5626, February 1, 1978; Order No. R-5754, July 1, 1978; Order No. R-5781, September 1, 1978; Order No. R-5876, December 1, 1978; Order No. R-5911, February 1, 1979; Order No. R-5988, May 1, 1979; Order No. R-6005, June 1, 1979; Order No. R-6211, January 1, 1980; Order No. R-6274, March 1, 1980; Order No. R-6328, May 1, 1980; Order No. R-6499, November 1, 1980; Order No. R-6536, December 1, 1980; Order No. R-6810, November 1, 1981; Order No. R-6967, May 1, 1982; Order No. R-7114, November 1, 1982; Order No. R-7193, February 1, 1983; Order No. R-7248, April 1, 1983; Order No. R-7372, November 1, 1983; Order No. R-7396, December 1, 1983; Order No. R-8539, November 1, 1987; Order No. R-8561, January 1, 1988; Order No. R-8667, June 1, 1988; Order No. R-9467, March 1, 1991; Order No. R-9585, October 1, 1991; Order No. R-9615, December 1, 1991; Order No. R-9843, March 1, 1993; Order No. R-9937, August 1, 1993; Order No. R-10068, March 8, 1994; Order No. R-10091, April 1, 1994; Order No. R-10795, May 1, 1997; Order No. R-10972, May 1, 1998; Order No. R-11183, June 1, 1999; Order No. R-11243, October 1, 1999; Order No. R-11304, February 1, 2000; Order No. R-11533, January 1, 2001; Order No. R-11728, March 1, 2002; Order No. R-12046, November 1, 2003.

T-20-S, R-38-E SE/4 Sec. 13; E/2 NW/4 Sec. 14; SE/4 Sec. 19; N/2, SW/4 Sec. 20; S/2 N/2, N/2 SE/4 Sec. 21; N/2 S/2 Sec. 22; Secs. 23, 24, 25; W/2, S/2 SE/4 Sec. 29; SE/4, E/2 NE/4 Sec. 32; S/2, S/2 N/2, N/2 NE/4 Sec. 35; W/2 Sec. 36.

T-20-S, R-39-E SW/4 Sec. 18; W/2 Sec. 19.

T-21-S, R-36-E E/2 Sec. 24; NE/4, S/2 Sec. 25; N/2, SW/4 Sec. 36.

T-21-S, R-37-E Lots 4, 5, 9 through 16, S/2 Sec. 1; (Partial) Sec. 4; SE/4 Sec. 7; Secs. 8, 9; N/2, SE/4 Sec. 11; Secs. 12, 13; S/2, NE/4 Sec. 14; Secs. 16, 17; E/2, SW/4 Sec. 18; Secs. 19, 20, 21, 24 through 36.

T-21-S, R-38-E NW/4 Sec. 7.

T-22-S, R-36-E E/2, NW/4 Sec. 1; E/2 Sec. 12; E/2 Sec. 13.

T-22-S, R-37-E Secs. 1 through 16; N/2, SE/4 Sec. 17; W/2, NE/4 Sec. 18; E/2, SW/4 Sec. 21; Secs. 22 through 25; SE/4, NE/4 NE/4 Sec. 26; NE/4 Sec. 27; N/2 NE/4, NE/4 NW/4, S/2 NW/4 Sec. 28; NE/4 Sec. 35; N/2, SE/4 Sec. 36.

T-22-S, R-38-E NW/4, S/2 Sec. 6; W/2 Sec. 7; SW/4 Sec. 17; Secs. 18, 19; NW/4, S/2 Sec. 20; Secs. 29 through 32; NW/4 Sec. 33.

T-23-S, R-38-E NW/4 Sec. 5; N/2 Sec. 6.

SOUTH CARLSBAD-DELAWARE POOL  
Eddy County, New Mexico

Order No. R-4835, September 1, 1974, Establishing Pool, as Amended by Order No. R-6274, March 1, 1980; Order No. R-8562, January 1, 1988.

T-22-S, R-26-E SE/4 Sec. 13; E/2 Sec. 24.

AVALON-MORROW GAS POOL  
Eddy County, New Mexico

Order No. R-4861, November 1, 1974, Establishing Pool, as Amended by Order No. R-5102, October 1, 1975; Order No. R-5131, January 1, 1976; Order No. R-5252, September 1, 1976; Order No. R-5361, March 1, 1977; Order No. R-5534, October 1, 1977; Order No. R-6031, July 1, 1979; Order No. R-6876, January 1, 1982; Order No. R-6911, March 1, 1982; Order No. R-9326, November 1, 1990; Order No. R-11005, August 1, 1998; Order No. R-11067, November 1, 1998; Order No. R-11122, January 1, 1999; Order No. R-11160, May 1, 1999; Order No. R-11678, November 1, 2001; Order No. R-11706, January 1, 2002; Order No. R-11729, March 1, 2002; Order No. R-12001, August 1, 2003; Order No. R-12047, November 1, 2003.

T-20-S, R-26-E W/2 and NE/4 Sec. 36.

T-20-S, R-27-E Secs. 21, 22, 27, 28, 29, 31 through 34.

T-21-S, R-26-E Lots 1 through 16, S/2 Sec. 2; Lots 1 through 16; S/2 Sec. 3; Secs. 4, 5, 8, 9, 10, 15, 16, 17, 18, 20, 21, 22; N/2 Sec. 28; W/2 Sec. 29; Sec. 30.

AVALON-STRAWN GAS POOL  
Eddy County, New Mexico

Order No. R-4861, November 1, 1974, Establishing Pool, as Amended by Order No. R-5063, July 1, 1975; Order No. R-5667, April 1, 1978; Order No. R-5781, September 1, 1978; Order No. R-5876, December 1, 1978; Order No. R-9668, May 1, 1992; Order No. R-10962, March 1, 1998; Order No. R-11005, August 1, 1998; Order No. R-11013, August 1, 1998; Order No. R-11067, November 1, 1998; Order No. R-11220, August 1, 1999; Order No. R-11300, January 1, 2000; Order No. R-11691, December 1, 2001; Order No. R-11729, March 1, 2002; Order No. R-11895, February 1, 2003; Order No. R-12047, November 1, 2003.

T-20-S, R-26-E W/2 and NE/4 Sec. 36.

T-20-S, R-27-E S/2 Sec. 21; W/2 Sec. 28; Secs. 31, 32, 33.

T-21-S, R-26-E Lots 1 through 16, S/2 Sec. 3; Lots 1 through 16 Sec. 4; Lots 1 through 8 Sec. 5; S/2 Sec. 9; W/2 Sec. 10; S/2 Sec. 14; Sec. 15; S/2 and NE/4 Sec. 16; SE/4 Sec. 17; E/2 Sec. 20; E/2 Sec. 21; W/2 Sec. 22; N/2 Sec. 29; E/2 Sec. 30.

CROSBY-McKEE GAS POOL  
Lea County, New Mexico

Order No. R-4915, December 1, 1974, Establishing Pool.

T-25-S, R-37-E Sec. 33.

DENTON CAMP-MISSISSIPPIAN GAS POOL  
Chaves County, New Mexico

Order No. R-4861, November 1, 1974, Establishing Pool

T-6-S, R-28-E S/2 Sec. 18; E/2 Sec. 19.

LAHUERTA-WOLFCAMP POOL  
Eddy County, New Mexico

Order No. R-4861, November 1, 1974, Establishing Pool.

T-21-S, R-27-E NE/4 Sec. 29.

LEACO-SEVEN RIVERS POOL  
Lea County, New Mexico

Order No. R-4915, December 1, 1974, Establishing Pool.

T-18-S, R-39-E SE/4 Sec. 30.