

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

RECEIVED

Submit to appropriate District Office

APR 18 2005

☐ AMENDED REPORT

OOD-ARTESIA

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

¹ Operator Name and Address Samson Resources Company Two West 2 nd Street Tulsa, OK 74103		² OGRID Number 20165
		³ API Number 30 -015-33084
⁴ Property Code 9912	⁵ Property Name LOVING I STATE	⁶ Well No. #4
⁹ Proposed Pool 1 Wildcat		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no. J	Section 1	Township 24S	Range 27E	Lot Idn	Feet from the 1980'	North/South line South	Feet from the 1980	East/West line East	County Eddy
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⁸ 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
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Additional Well Information

¹¹ Work Type Code P	¹² Well Type Code G	¹³ Cable/Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3112'
¹⁶ Multiple	¹⁷ Proposed Depth	¹⁸ Formation	¹⁹ Contractor	²⁰ Spud Date 6/25/2004
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 type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC

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.

Procedure to plug back from Morrow to the Atoka sand

1. TOH w/4 1/2" production packer and 2 3/8" tubing.
2. Set 4 1/2" Composite Bridge Plug at 12,100' on wireline. Cap w/25' of cement.
3. Perforate Atoka 11,362'-11,368' 4 SPF.
4. Fracture treat Atoka down 4 1/2" w/75,500#s of VersaProp in 65 quality CO2, 20 ppg linear gel.
5. Set 4 1/2", production packer on wireline @ 11,300'.
6. TIH w/2 3/8", 4.70#, L80, 8R EUE tubing.
7. Return to production.

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 ☐.

Printed name: J.L. Farrell, III

Title: District Engineer

E-mail Address: jfarrell@samson.com

Date: 4/11/05

Phone: 918-591-1846

OIL CONSERVATION DIVISION

Approved by:

TIM W. GUM

DISTRICT II SUPERVISOR

Title:

Approval Date:

APR 30 2005

Expiration Date:

APR 30 2006

Conditions of Approval Attached ☐

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State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION APR 28 2005

1220 South St. Francis Dr. ~~DOB-ARTESIA~~
Santa Fe, NM 87505

RECEIVED

Form C-102
Revised June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-33084	² Pool Code	³ Pool Name Loving SE Atoka
⁴ Property Code 9912	⁵ Property Name LOVING I STATE	⁶ Well Number #4
⁷ OGRID No. 20165	⁸ Operator Name SAMSON RESOURCES	⁹ Elevation 3112'

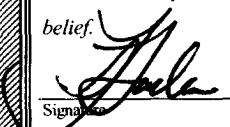
¹⁰ Surface Location

UL or lot no. J	Section 1	Township 24S	Range 27E	Lot 1dn	Feet from the 1980	North/South line South	Feet from the 1980	East/West line East	County Eddy
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1dn	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 WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶	320 acre spacing for the Atoka		¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>  Signature J.L. Farrell, III Printed Name District Engineer, jfarrell@samson.com Title and E-mail Address 4/22/2005 Date
			¹⁸ SURVEYOR CERTIFICATION <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> Date of Survey Signature and Seal of Professional Surveyor: Certificate Number