

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
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

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

¹ Operator Name and Address Samson Resources Company, Attn: Drilling Dept. Two West Second Street, Tulsa, OK 74103		² OGRID Number 20165
³ Property Code 15995 15995		⁴ API Number 30 - 025-35662
⁵ Property Name State BD A		⁶ Well No. 4

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	2	12 S	33 E		1894	North	604	East	Lea

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

9 Proposed Pool 1

Bagley-Siluro Devonian (Code 3990)

10 Proposed Pool 2

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 4232'
¹⁶ Multiple N	¹⁷ Proposed Depth 11500'	¹⁸ Formation Devonian	¹⁹ Contractor Unknown	²⁰ Spud Date Sept. 1, 2001

21 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#	300'	209 cu. ft.	Surface
12-1/4"	9-5/8"	36#	4000'	1272 cu. ft.	Surface
8-3/4"	7"	26# & 29#	11500'	526 cu. ft.	TOC @ 8000'

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.

13-5/8" 3000 psi double ram BOP

Move in drilling rig. Spud well and drill 17-1/2" hole to 300'. Run & cement 13-3/8" protective casing. Drill 12-1/4" hole to 4000'. Run & cement 9-5/8" surface casing. Install & test BOP equipment. Drill 8-3/4" hole to 11500' TD. Run open hole logs and evaluate. Run & cement 7" production casing. Release drilling rig. Clean location. Prepare to complete well. Permit Expires 1 Year 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.

Signature: *Mark E. Williamson*

Printed name: Mark E. Williamson

Title: Senior Drilling Engineer

Date: August 14, 2001

Phone: (918) 591-1520

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐