

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 S. 1st Street, Artesia, NM 88210-2834
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised October 18, 1994
Instructions on back
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 Santa Fe Energy Resources, Inc. 550 W. Texas, Suite 1330 Midland, TX 79701		² OGRID Number 020305
⁴ Property Code 016617	⁵ Property Name Humble Hume 5 State	³ API Number 30-0 25-30201
		⁶ Well No. 1

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
W	5	16S	34E		660	South	1980	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 Wildcat San Andres					¹⁰ Proposed Pool 2				

¹¹ Work Type Code P	¹² Well Type Code 0	¹³ Cable/Rotary N/A	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 4137.8'
¹⁶ Multiple No	¹⁷ Proposed Depth 6000'	¹⁸ Formation San Andres	¹⁹ Contractor	²⁰ Spud Date 2/12/98

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#	456'	475 sx	Circ'd to surf.
12-1/4"	8-5/8"	32#	4451'	2500 sx	Circ'd to surf.
7-7/8"	5-1/2"	17#	13,010'	1700 sx	9300'

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

It is planned to plugback the current Wolfcamp perforation by setting a CIBP @ 10,050' and dump bailing 2 sx cement on top. A 25 sx cement plug will be placed from 7244'-6995'. The San Andres interval from 4984'-5040' will be perforated w/16 holes, stimulated as necessary, and production tested. Should the San Andres be productive, appropriate completion forms will be filed.

Permit Expires 1 Year From Approval
Date Unless Drilling Unlawful
Plugback

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Terry McCullough*
Printed name: Terry McCullough

Title: Sr. Production Clerk

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGNED BY CHRIS WILLIAMS
Title: DISTRICT I SUPERVISOR

Approval Date: Expiration Date:

