

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-101
Revised February 10, 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

Operator Name and Address. Santa Fe Energy Resources, Inc. 550 W. Texas, Suite 1330 Midland, Texas 79701		OGRID Number 20305
		API Number 30-025-34456
Property Code 16629	Property Name Thistle Unit	Well No. 4

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
N	34	23-S	33-E		660	South	1980'	West	Lea

⁸ Proposed 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
Brininstool Brininstool (Wolfcamp)					Proposed Pool 1				
					Proposed Pool 2				

Work Type Code N	Well Type Code G	Cable/Rotary R	Lease Type Code State	Ground Level Elevation 3641
Multiple NO	Proposed Depth 13900'	Formation Wolfcamp	Contractor to be determined	Spud Date 7-20-98

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	600'	600	Surface
12 1/4"	9 5/8"	40	5100'	1600	Surface
8 3/4"	7"	26	12500'	950	6000'
6 1/8"	4 1/2"	13.5	13900'	350	Circ to linertop

¹² 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.

Rig up rotary tools. Set 13 3/8" casing @ 600' WOC 12 hrs, NU annular BOP, test casing and BOP to 700 psi. Set 9 5/8" casing @ 5100'. WOC 12 hrs and NU 10M ram BOP with annular. Test casing and BOP's to 1500 psi. Set 7" casing @ 12500', install a rotating head and test BOP stack and choke manifold to 10,000 psi. Test casing to 3000 psi. Drill to a TD of ±13900'. Run logs and evaluate for completion or P & A.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

¹³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: <i>James P. "Phil" Stinson</i>		Approved by: ORIGINAL SIGNED BY GARY WINK	
Printed name: James P. "Phil" Stinson		Title: FIELD REP. II	
Title: Agent for Santa Fe Energy		Approval Date: JUL 16 1998	Expiration Date:
Date: 7-9-98	Phone: 915-682-6373	Conditions of Approval: Attached <input type="checkbox"/>	

404

MP