

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM-22085	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Santa Fe Energy Operating Partners, L.P.			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 500 W. Illinois, Suite 500, Midland, TX 79701			8. FARM OR LEASE NAME Corrienta 12 Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface -1980' FSL & 2310' FWL of Sec. 12, 18S, 32E At proposed prod. zone			9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 25 miles NE of Carlsbad, New Mexico			10. FIELD AND POOL, OR WILDCAT Undesignated 11 Young Bone Spring	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 12, 18S, 32E	
16. NO. OF ACRES IN LEASE 40			12. COUNTY OR PARISH Lea	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A			19. PROPOSED DEPTH 9400'	
20. ROTARY OR CABLE TOOLS Rotary			21. APPROX. DATE WORK WILL START* ASAP	
22. ELEVATIONS (Show whether DF, RT, GR, etc.) 3866.2'			23. PROPOSED CASING AND CEMENTING PROGRAM	

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	48.0	350'	375 sx CIRCULATE
12 1/4	8 5/8	24.0	2950'	See below CIRCULATE
7 7/8	5 1/2	17.0	9400'	See below

Move in drilling rig. Drill 17 1/2" hole to 350'. Run 13 3/8" casing and cement to surface with 375 sx "C" cement w/2% CaCl₂. WOC 6 hours. Nipple up BOP and test BOP and casing to 600 psi. Drill 12 1/4" hole to 2950' (200' below base of salt). Run 8 5/8" casing and cement with sufficient Cl "C" poz cement w/6% gel, 10% NaCl and 1 lb/sk celloflake followed by 200 sx of "C" cement w/2% CaCl₂ to circulate. Install BOP and test rams and choke to 3000 psi, annular to 1500 psi. Drill 7 7/8" hole to TD. Run logs. Run 5 1/2" casing and cement with 50/50 poz/"H" cement, 2% gel, 6 lbs/sk NaCl and 0.75% fluid loss additive. Sufficient cement will be used to cover all potentially productive zones.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Michael R. Burton TITLE District Drilling Engineer DATE 2-21-90
(This space for Federal or State office use)

PERMIT NO. Orig. Signed by Michael R. Burton APPROVAL DATE 4-3-90
APPROVED BY AREA MANAGER TITLE CARLSBAD REGION
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

RECEIVED

APR 5 1990

OCD
HOBBS OFFICE