

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION
SUBMIT IN DRAWER DD
(Other instructions on reverse side)
FORM APPROVED
NO. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-070522A
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 AND TELEPHONE NO. 550 W. Texas, Suite 1330, Midland, TX 79701 915/687-3551		8. FARM OR LEASE NAME, WELL NO. Indian Basin F Federal #1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1500' FSL & 1500' FWL, Sec. 25, T-21S, R-23E At proposed prod. zone		9. API WELL NO. 30-015-10710
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 13 miles North of Carlsbad, NM		10. FIELD AND POOL, OR WILDCAT Indian Basin (U. Penn) Ass
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1500'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 25, T-21S, R-23E
16. NO. OF ACRES IN LEASE 640		12. COUNTY OR PARISH 13. STATE Eddy NM
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A		17. NO. OF ACRES ASSIGNED TO THIS WELL 640
19. PROPOSED DEPTH 7850'		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3793' GR		22. APPROX. DATE WORK WILL START* Aug. 25, 1994

23. ACTUAL		PROPOSED CASING AND CEMENTING PROGRAM		
SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	217'	250 sx (circ'd)
12-1/4"	8-5/8"	24#	1800'	1870 sx (circ'd to surface)
7-7/8"	5-1/2"	17#	7567'	300 sx (TOC @ 5700' by Temp Surv
* 4-3/4"	* 4-1/2"	11#	7840'	60 sx C1 H

*Proposed 4-1/2" liner from 7100' to 7840'

It is planned to deepen the subject well and complete in the same zone as an oil well per the following :

1. MIRU. Install BOP and H₂S detection equipment.
2. Load hole w/ water and pull existing equipment.
3. Cement squeeze existing perfs (7400'-04', 7432'-52', & 7478'-92') with 150 sx C1 H cmt.
4. Drill out cmt and test csg to 500#. Re-squeeze if necessary.
5. Drill shoe and new hole from 7523' to 7850' (proposed TD).
6. Log and run 4-1/2" liner from 7100' to 7850' and cmt w/ 60 sx C1 "H". Complete as an oil well.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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.

SIGNED [Signature] Sr. Production Clerk DATE Aug. 22, 1994
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY (ORIG. SGD.) JOE G. LARA TITLE PETROLEUM ENGINEER DATE 9/20/94

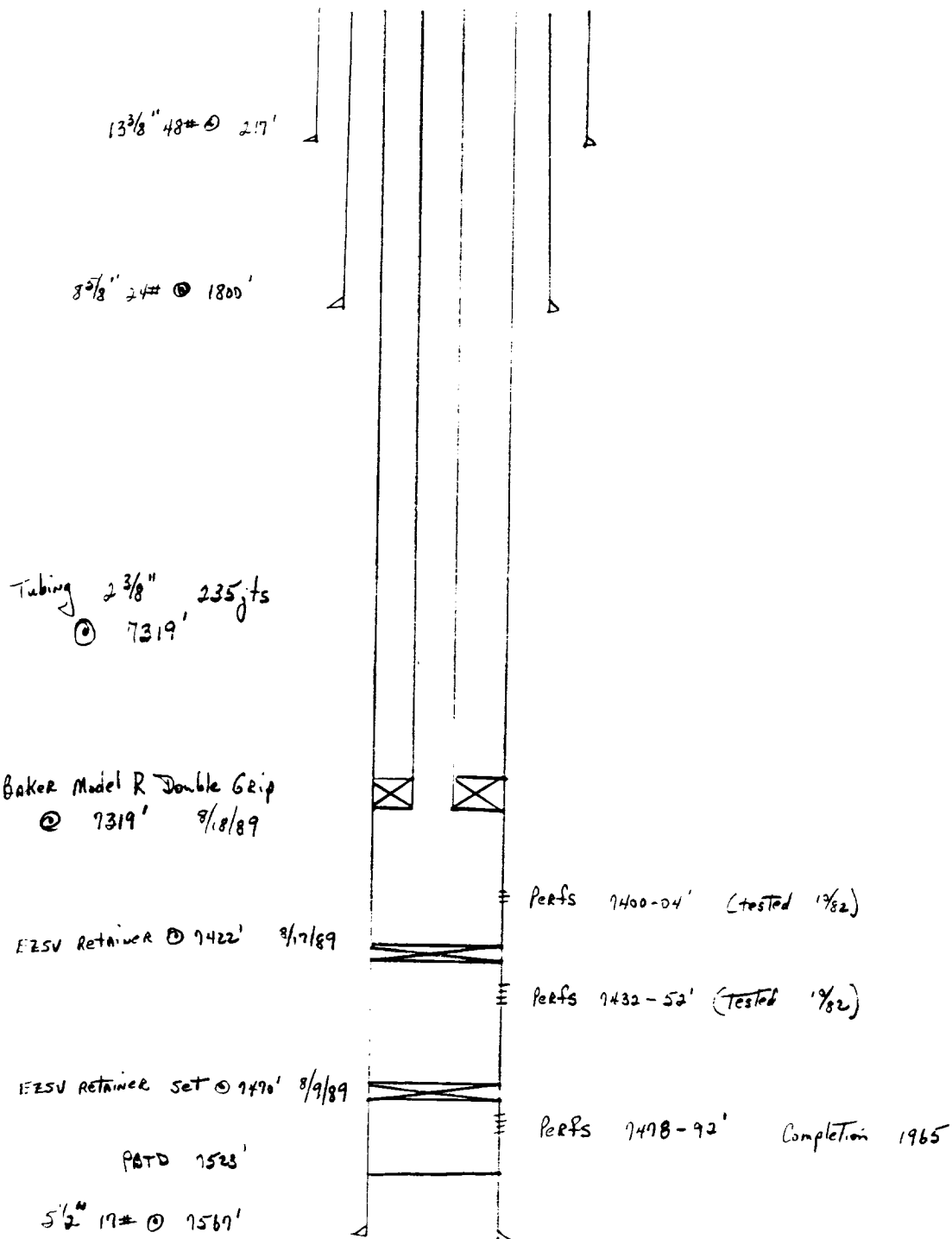
*See Instructions On Reverse Side

D. Oswald

4-5-94

Indian Basin F#1

Current Well Log Diagram



J. Oswald

4-5-94

Indian Basin F#1

PROPOSED Well bore Diagram

13 3/8" 48# @ 217'

8 5/8" 24# @ 1800'

Tubing 2 3/8" 235 lbs
@ 7319'

Baker Model R Double Grip
@ 7319' 8/18/89

EZSV Retainer @ 7422' 8/17/89

EZSV Retainer SET @ 7470' 8/9/89

PSTD 7523'

5 1/2" 17# @ 7567'

Perfs 7400-04' (tested 1/82)

Perfs 7432-52' (tested 1/82)

Perfs 7478-92' Completion 1965

ESTIMATED LINER TOP 7100

~ 4 1/2" FS Casing

ESTIMATED TD 7567

42 117 100 SHEET PILE EST. 5 SHEET PILE
42 189 200 SHEET PILE EST. 5 SHEET PILE
42 192 100 SHEET PILE EST. 5 SHEET PILE
42 198 200 SHEET PILE EST. 5 SHEET PILE

National Brand