

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## 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. SF-047039A <b>C</b>	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR CHAPARRAL OIL & GAS COMPANY		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR c/o Walsh Engr. & Prod. Corp. P. O. Box 254 Farmington, N.M. 87401		8. FARM OR LEASE NAME Francis	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1850' FSL, 1000' FWL At proposed prod. zone Same		9. WELL NO. 2	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 3 miles southeast of Bloomfield, New Mexico		10. FIELD AND POOL OR WILDCAT Undesignated ext	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1000'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 18-T28N-R10W N.M.P.M.	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 210'		12. COUNTY OR PARISH San Juan	
19. PROPOSED DEPTH 1875'		13. STATE N.M.	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5836' GL		17. NO. OF ACRES ASSIGNED TO THIS WELL 160/164.12	
22. APPROX. DATE WORK WILL START* 6/1/81		20. ROTARY OR CABLE TOOLS Rotary	
23. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12-1/4"	8-5/8"	24.0	120'
7-7/8"	4-1/2"	10.50	1875'
		QUANTITY OF CEMENT	
		150 sacks CIRCULATE	
		300 sacks	

All producing intervals in Fruitland Formation will be perforated and stimulated as necessary.

## EXHIBITS

- |                                      |                               |
|--------------------------------------|-------------------------------|
| "A" Location and Elevation Plat      | "E" Access Road to Location   |
| "B" Ten Point Compliance Program     | "F" Radius Map of Field       |
| "C" Blowout Preventer Diagram        | "G" Drill Rig Layout          |
| "D" Multi-Point Requirements for APD | "H" Fracturing Program Layout |
|                                      | "I" Location Profile          |

The gas from this well is committed.

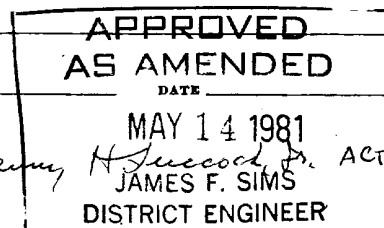
The SW/4, Section 18 is dedicated to this well.

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. FOR: CHAPARRAL OIL COMPANY President, Walsh Engr. & Production Corp. DATE 4/29/81  
SIGNED Ewell N. Walsh ORIGINAL SIGNED BY Ewell N. Walsh TITLE DATE  
(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY CONDITIONS OF APPROVAL, IF ANY: TITLE



\*See Instructions On Reverse Side

All distances must be from the outer boundaries of the Section.

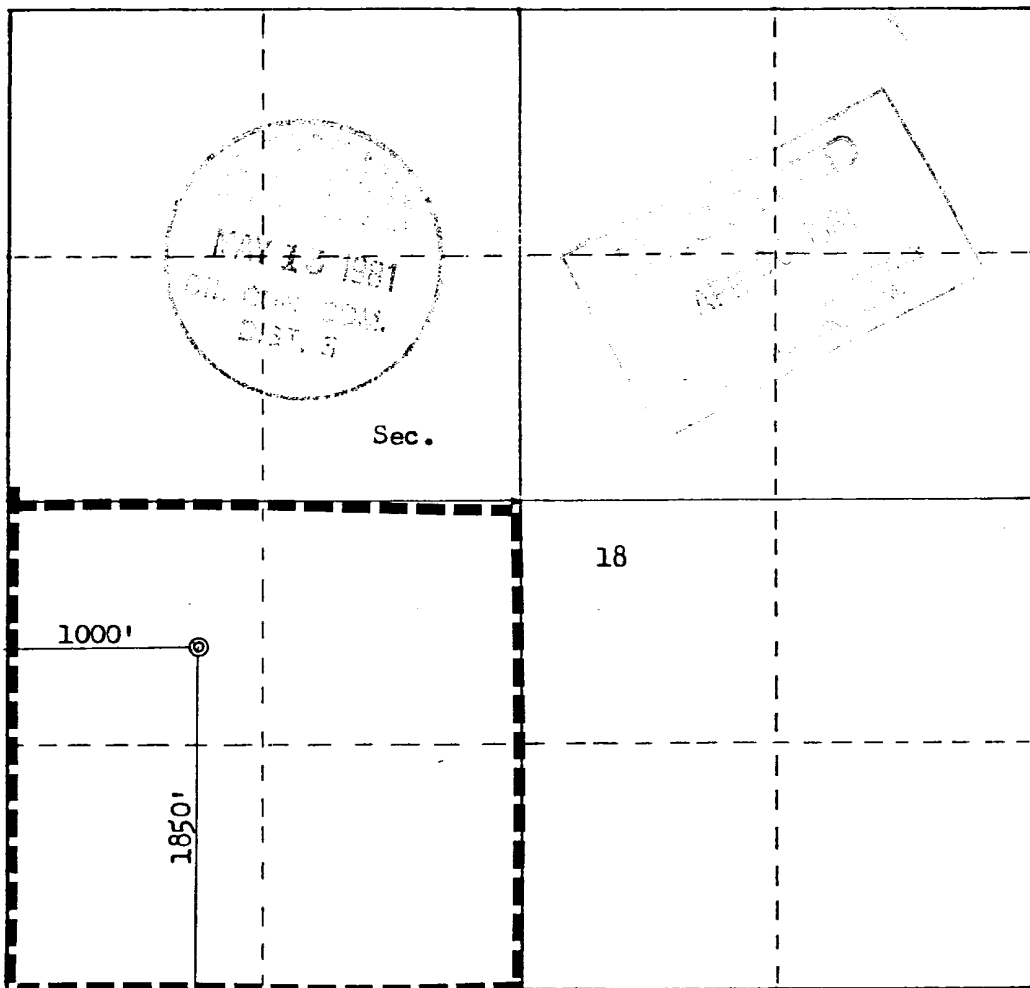
Operator: <b>CHAPARRAL OIL &amp; GAS COMPANY</b>			Lease <b>FRANCIS</b>		Well No. <b>2</b>
Unit Letter <b>L</b>	Section <b>18</b>	Township <b>28N</b>	Range <b>10W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1850</b> feet from the <b>South</b> line and <b>1000</b> feet from the <b>West</b> line					
Ground Level Elev: <b>5836</b>	Producing Formation <b>Fruitland</b>	Pool <b>Undesignated</b>		Dedicated Acreage: <b>160 1/4, 1/2 Acres</b>	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



Scale: 1"=1000'

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  
 FOR: CHAPARRAL OIL & GAS CO.  
 ORIGINAL SIGNED BY

Name **EWELL N. WALSH**  
 Ewell N. Walsh, P.E.

Position  
 President

Company  
 Walsh Engr. & Prod. Corp.

Date  
 4/29/81

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

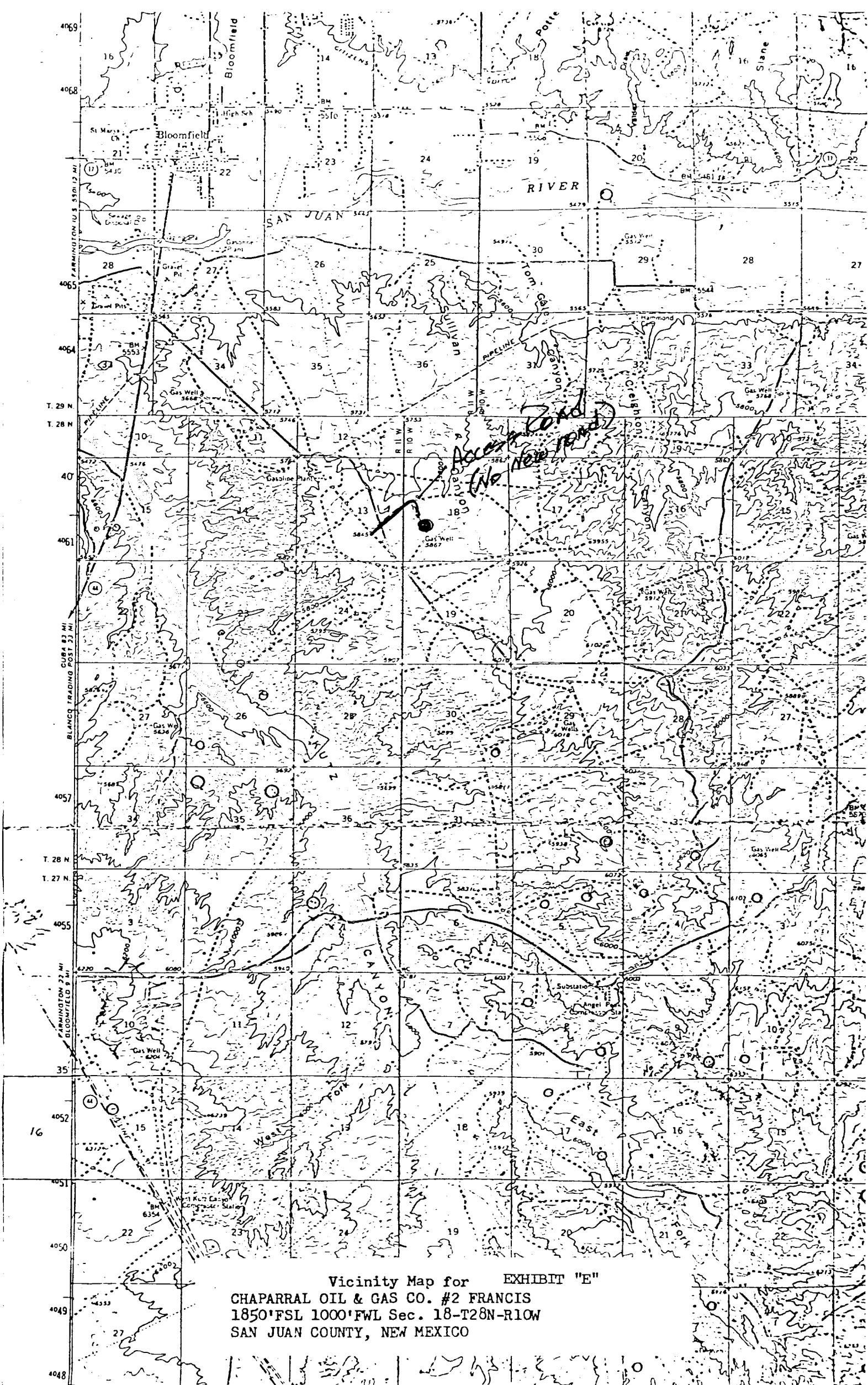
April 9, 1981

Registered Professional Engineer  
 and Land Surveyor

*Fred B. Kerr, Jr.*  
 Fred B. Kerr, Jr.

Certificate No. **3950**  
 NEW MEXICO

FORM 24-11



Vicinity Map for EXHIBIT "E"  
CHAPARRAL OIL & GAS CO. #2 FRANCIS  
1850'FSL 1000'FWL Sec. 18-T28N-R10W  
SAN JUAN COUNTY, NEW MEXICO