

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 078120-A
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR El Paso Natural Gas Company		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P.O. Box 289, Farmington, NM 87401		8. FARM OR LEASE NAME Crandell
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1115'N, 1800'W At proposed prod. zone		9. WELL NO. 3 (200)
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 5 miles North of Flora Vista, New Mexico		10. FIELD AND POOL, OR WILDCAT Blanco M.V. & Aztec P.C. En
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 1800'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 35, T-31-N, R-12-W NMPM
16. NO. OF ACRES IN LEASE 800.38		12. COUNTY OR PARISH San Juan
17. NO. OF ACRES ASSIGNED TO THIS WELL 160.00 & W320.00		13. STATE New Mexico
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 250'		20. ROTARY OR CABLE TOOLS Rotary
19. PROPOSED DEPTH 5140'		22. APPROX. DATE WORK WILL START*
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5945' GL		

23. PROPOSED CASING AND CEMENTING PROGRAM

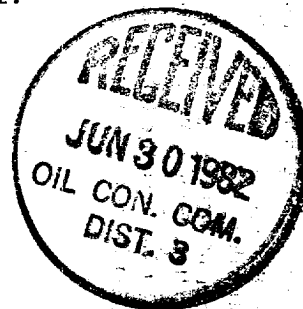
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	9 5/8"	36.0#	200'	224 cf. to circulate
8 3/4"	7"	20.0#	2675'	790 cf. to cover Ojo Alamo
6 1/4"	4 1/2" Liner	10.5#	2525-5140'	459 cf. to circ. liner

Selectively perforate and sandwater fracture the Pic. Cliffs & Mesa Verde formations.

A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention on this well.

This gas is dedicated.

The W/2 of section 35 is dedicated to this well.

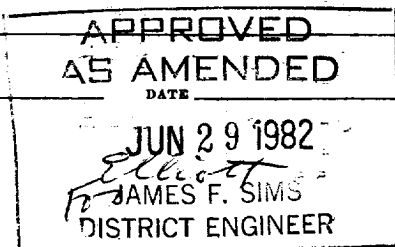


IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer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

24. Peggy Bradfield TITLE Drilling Clerk DATE April 27, 1982

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:



*See Instructions On Reverse Side

NMOCC

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-107
Revised 10-1-78

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

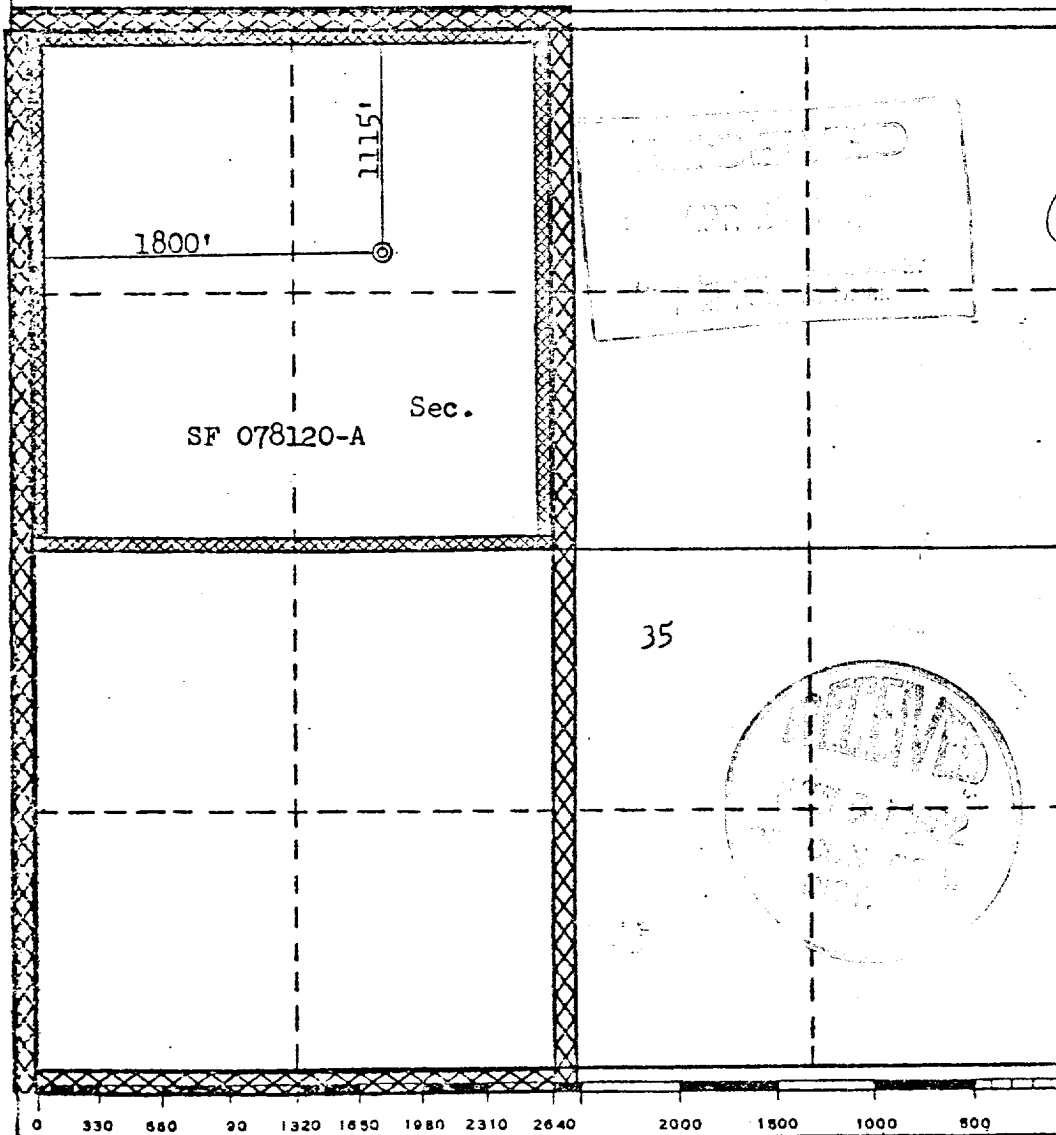
Operator EL PASO NATURAL GAS COMPANY			Lease CRANDELL (SF 078120-A)		Well No. 3
Unit Letter C	Section 35	Township 31N	Range 12W	County San Juan	
Actual Footage Location of Well: 1115 feet from the North line and 1800 feet from the West line					
Ground Level Elev. 5945	Producing Formation Pictured Cliffs Mesaverde		Pool Aztec Pictured Cliffs Extension Blanco Mesaverde		Dedicated Acreage: 160.00 & 320.00 Acres

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.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name
Drilling Clerk
El Paso Natural Gas Co.

Company
April 27, 1982

Date

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 27, 1982
Registered Professional Engineer
and/or Land Surveyor

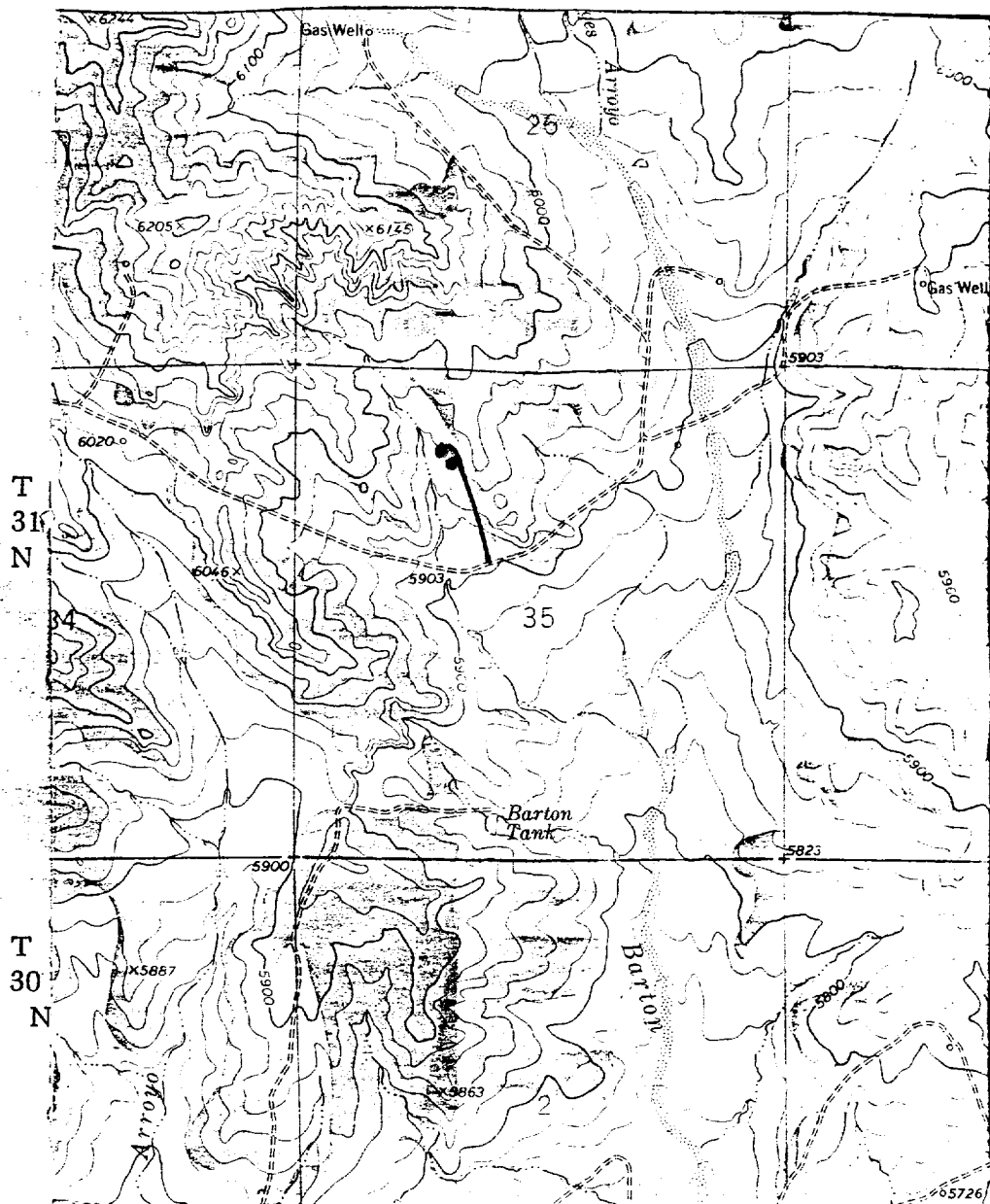
Fred B. Kerr Jr.

Certificate No.

3950

EL PASO NATURAL GAS COMPANY
Crandell #3
NENW 35-31-12

R-12-W



MAP #1

LEGEND OF RIGHT-OF-WAYS

EXISTING ROADS

EXISTING PIPELINES

EXISTING ROAD & PIPELINE

PROPOSED ROADS

PROPOSED PIPELINES

PROPOSED ROAD & PIPELINE

