Form 3160-3 (July 1992)

APPROVED BY

UNITED STATES

SUBMIT IN TRIPLICATE* (Other instructions on

FORM APPROVED OMB NO. 1004-0136 Expires: February 28, 1995

OCT 2.5 2000

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|----|-------------------|---|---------|
| | LEASE DESIGNATION | | RIAL NO |
| ž, | SE - 077383/ | 4 | |

| | DEPARTMEN | LOF THE | | OB | | A | 5. lease designation and SF - 077383, | D SERIAL NO. | |
|---|---|---------------------------------------|----------------------------|-----------------------------------|------------------------------|---------------------------------|--|-------------------|--|
| | BUFFEAU O | LAIL MAN | GENE | | | | 6. IF INDIAN, ALLOTTEE OR | TRIBE NAME | |
| APPLI | CATION OF RE | PAMITATO | RVL | PROE | PEN | | 7. UNIT AGREEMENT NAM | E | |
| DRI | ILL 🛚 | DEE: EN | 9 | | | | | | |
| TYPE OF WELL OIL | GAS X OTHER | | SI | NGLE X | MULTIPI ZONE - | .E 🔲 🦶 | 8. FARM OR LEASE NAME, | | |
| AFL CAME OF OPERATOR | WELL — UTHER | | | 3.2. NI | | | Federal Gas Cor | n #1E | |
| oss Timbers Ope | | | | | | | 9. APIWELL NO. 45. | 30257 | |
| ADDRESS AND TELEPHONE 100 Farmington A | ve., Bldg. K. Ste | 1 Farmingt | on, NM 8 | 7401 | Contraction of the | | 10. FIELD AND POOL, OR W | | |
| OCATION OF WELL (Repo | ort location clearly and in acco | rdance with any S | tate requirem | ents.*) | 9 | | Basin Dakota | | |
| 610' FSL & 1, At proposed prod. zone | 570' FEL | | | | | | TANDSLRVEY OR AREA Sec 28. T28N, | R10W | |
| | DIRECTION FROM NEAREST TO | | | | | . s. S. Z | 12. COUNTY OR PARISH | 13. STATE | |
| nis well is loca | ited approx 23 sout | <u>heast of th</u> | | ield NM p | | | San Juan CRES ASSIGNED | NM | |
| LOCATION TO NEAREST PROPERTY OR LEASE LINE (Also to nearest drlg. uni | | | 320 | . I COLL IN LEF | | TO THIS V | | | |
| DISTANCE FROM PROPOS | ED LOCATION* | | | | | | RY OR CABLE TOOLS | | |
| TO NEAREST WELL, DRILL OR APPLIED FOR, ON THIS | | | 7025 | 5' | | 0-702 | 25' Rotary Tools | | |
| ELEVATIONS (Show whe | | | | | | | 22. APPROX. DATE WORL | (WILL START* | |
| L20' Ground Leve | | <u></u> | | | | | Oct. 2000 | | |
| | | PROPOSED CASI | | | | <u> </u> | | | |
| SIZEOFHOLE. | 12-1/4" 8-5/8" J-55 24 #/f | | | | +- 245 sx cl B cmt | | | | |
| 7-7/8" | | | | | | | +- 780 sx cmt | | |
| and appeal bu | sens purveaux in 43 CA kreuwant to 43 CAPA Site s plans to drill th | .4. | ntioned w | vell as de | escribed | in the e | enclosed Surface | Use , | |
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| | | - | | \$.1 | an Tirij | • | UTHORIZED ARE E WITH ATTACHED | | |
| ABOVE SPACE DESCRII epen directionally, give pe | BE PROPOSED PROGRAM: ertinent data on subsurface lo | If proposalis to cations and measu | deepen,give oured and true | dataon present vertical depths | productivezo . Give blowo | ne and propos ut preventer p | sednew productivezone. If program, if any. | proposalis to d | |
| | 11111/24 | / | | | | | 0.10= 10 | • | |
| SIGNED | 1/07/-900 | | TTILE Dr | illing En | gineer | | DATE - 8/25/0 | U | |
| (This space for Federal | or State office use) | · · · · · · · · · · · · · · · · · · · | | | | | | | |
| PERMIT NO. | | | | APPROVAL D | ATE | | | | |
| | s not warrant or certify that the ap | plicant holds legal or | r equitable title | | | se which would | l entitle the applicant to condu | ct operations the | |
| CONDITIONS OF APPRO | OVAL, IF ANY: | riM | 1000 | | | | | | |
| | /e/ Jim Lov | alv | | | | | OCT 2.5 |) ZUUU | |

- TITLE -*See Instructions On Reverse Side District I PO Box 1980, Hobbs, NM 88241-1980

District II PO Drawer DO, Antesia, NM 88211-0719

District III 1000 Rio Brazos Ad., 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

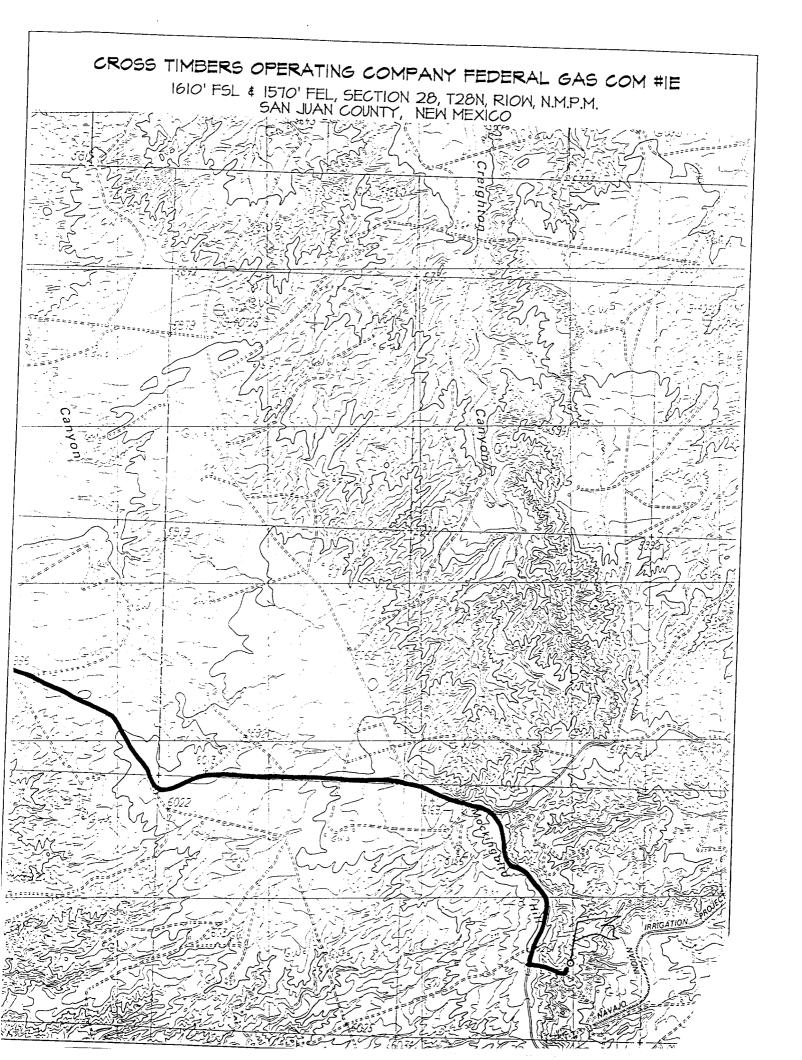
Form C-:12

Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | 'API No | | | 'Pool Code | T | | 10ool No | | | | |
|--------------|---------------------------|-------------|---|---|------------------------|---------------------------------------|------------------------------------|-----------------------------|--|--|--|
| 30045-30357 | | | | 71599 | Pool Name BASIN DAKOTA | | | | | | |
| | coenty Code 2化3 | | | | openty | | ⁵ Well Nuncen | | | | |
| OGRID No. | | | | FEDERAL GAS COM | | | | | 1E | | |
| 157057 | | | CF | Operator Name CROSS TIMBERS OPERATING COMPA | | | 4D 4 NIV | °Elevation | | | |
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| UL or 1 | | | Parge Lot Idn Feet from | | the | Location North/South line | Feet from the | t from the East/West line | | | |
| J | 10% | | 10W | 1610 | | SOUTH | 1570 | EAST | | SAN JUAN | |
| UL on 1: | | 11 B | | Hole Locatio | in If | Different | From Suct | } | | JAN JUAN. | |
| 00.57-1 | at no. Section | on Township | Range | Lot Ion Feet from | tre | North/South line | Faet from the | East/we | st lire | County | |
| 12 Dedicate | ed Acres | But or Inf | 11) H Cons | plication Code 15 Order | | | | | | | |
| ! | 320 E/ | 3 T | ··· Cusc | Didation Code 15 Order | No. | | | | | · | |
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4. <u>CEMENT PROGRAM (Slurry design may change slightly, but the plan is to circulate cement to surface on both casing strings):</u>

A. <u>Surface:</u> 8-5/8". 24#

8-5/8", 24#, J-55, STC casing to be set at \pm 350'.

<u>Lead:</u> 245 sx of Class "B" cement containing 2% CaCl₂, ¼ pps celloflake, mixed at 15.6 ppg, 1.18 ft³/sk, & 5.20 gal wtr/sk.

Total slurry volume is 289 ft³, 100% excess of calculated annular volume to 350'.

B. <u>Production:</u> 4-1/2", 10.5#, J-55, STC casing to be set at $\pm 7,025$ ". DV Tool set @ $\pm 4,500$ ".

1st Stage

<u>Lead:</u> 270 sx of Premium Lite HS (65% Type III, 355 poz & 6% gel), $\frac{1}{4}$ pps celloflake, $\frac{10}{5}$ CSE, 6.25 $\frac{1}{5}$ gilsonite and 1.3% FL-52/CD-32 mixed at 12.3 ppg, 2.14 ft³/sk, 10.80 gal wtr/sx.

2nd Stage

<u>Lead:</u> 415 sx of Premium Lite HS (65% Type III, 355 poz & 6% gel), ½ pps celloflake, 10#/sx CSE, 6.25#/sx gilsonite and 1.3% FL-52/CD-32 mixed at 12.3 ppg, 2.14 ft³/sk, 10.80 gal wtr/sx.

Tail: 100 sx of Type III cement containing 2% CaCl2 & ¼ pps D-29 (celloflake) mixed at 14.6 ppg, 1.39 ft³/sk, 6.67 gal wtr/sx...

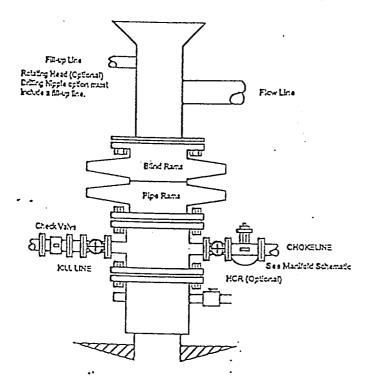
Total estimated slurry volume for the 4-1/2" production casing is 1,605 ft³ (no excess).

Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined for the caliper logs plus 40%. It will be attempted to circ cement to the DV Tool and to the surface.

5. LOGGING PROGRAM:

- A. Mud Logger: There are no plans to use a mud logger at this time.
- B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD to 5,000'. Formation Micro Imager (FMI) will be run on most wells from TD to ±6,000'.

BOPE SCHEMATIC FOR DRILLING OPERATIONS CLASS 1 - NORMAL PRESSURE CROSS TIMBERS OPERATING COMPANY STANDARD



CHOKE MANIFOLD SCHEMATIC FOR DRILLING OPERATIONS 2M SERVICE CROSS TIMBERS OPERATING COMPANY STANDARD

