Form 3160-3 (July 1992)

UNITED STATES

SUBMIT IN TRIPLICATE (Other instructions on reverse side)

FORM APPROVED OMB NO. 1004-0136

Expires: February 28, 1995

DEPARTMENT OF THE INTERIOR

5. LEASE DESIGNATION AND SERIAL NO. BUREAU OF LAND MANAGEMENT 6. IF INDIAN, ALLOTTEE OR TRIBE NAME APPLICATION FOR PERMIT TO DRILL OR DEEPEN 7. UNIT AGREEMENT NAME ta. TYPE OF WORK DRILL X DEEPEN ___ b. TYPE OF WELL 8. FARM OR LEASE NAME, WELL NO. MULTIPLE SINGLE X OII GAS X Bruington Gas Com C #1A WEL 2. NAME OF OPERATOR API WELL NO. Cross Timbers Operating Company 30-045-30313 3. ADDRESS AND TELEPHONE NO 2700 Farmington Ave., Bldg. K. Ste 1 Farmington, NM 87401 10. FIELD AND POOL, OR WILDCAT Blanco Mesaverde 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirem AND SURVEY OR AREA 660' FSL & 660' FEL Sec 21, T30N, R11W At proposed prod. zone Sec 21, T30N, R11W 12. COUNTY OR PARISH 13. STATE 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* San Juan NM See enclosed surface use program OF ACRES ASSIGNED 15. DISTANCE FROM PROPOSED 16. NO. 0 317.88 LOCATION TO MEAREST O THIS WELL PROPERTY OR LEASE LINE, FT (Also to nearest drlg. unit line, if any) 660 20. ROTARY OR CÁBLE TOOLS 18. DISTANCE FROM PROPUSED LOCATION* TO NEAREST WELL, DR. LLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 19 PROPOSED DEF 0'-4,950' w/Rotary Tools 4.950 22. APPROX. DATE WORK WILL START* 21. ELEVATIONS (Show whether DF,RT, GR, etc.) Fall of 2000 5,825' GL PROPOSED CASING AND CEMENTING PROGRAM OF ANTITY OF CEMENT. WEIGHT PER FOOT SETTING DEPTH SIZE OF HOLE GRADE, SIZE OF CASING 275 sx C1 "B" 400 24# 12-1/4" 8-5/8", J-55 475 sx <u>cl</u> "B" <u>w/2</u>% Extender 4.950' Lead: 4-1/2" . J-55 10.5# 7-7/8 This opnor is subject to technical and Tail: 475 sx cl "B" w/2% Extender procedural review pursuant to 43 CFR 2165.\$ and appeal pursuant to 43 CFR 3165.4. Surface: 8-5/8", 24#, J-55, STC csg set @ 400'. Will cmt w/275 sx cl "B" cmt w/2% CC & 1/4#/sx celloflake (15.6 ppg, 1.19 cuft/sx). Circ cmt to surface.

Production: 4-1/2", 10.5#, J-55, STC csg set @ 5,100'. Will cmt w/(lead) 475 sx cl "B" w/2% extender, 1/4#/sx celloflake & 2% CC (11.4 ppg, 2.87 cuft/sx) followed by (tail) 475 sx cl "B" w/2% extender, 1/4#/sx celloflake & 2% CC (13.5 ppg, 1.71 cuft/sx). TS AUTHORIZED ARE

Final cmt volumes will be obtained fr/caliper logs + 40%.

HELL WITH ATTACHED

A starndard BOP (w/pipe & blind rams) & choke manifold arrangement will be used.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposalis to deepen directionally, give pertinent data on subsurface locations and meas	o deepen, give dataon presentproductivezone a sured and true vertical depths. Give blowout pi	ndproposednew productivezone. If proposalis to drill or reventer program, if any.
SIGNED Mallon	TITLE Drilling Engineer	DATE 7/20/00
(This space for Federal or State office use) PERMIT NO. Application approval does not warrant or certify that the applicant holds legal	APPROVAL DATE or equitable title to those rights in the subject lease wi	9/5/00 hich would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY: APPROVED BY *See ins	- TITLE	DATE 9/5/00

District I PO Box 1980, Hobbs, NM 88241-1980

District II PO Drawer DD. Artesia. NM 88211-0719

District III 1000 Rio Brazos Rd., Aztec, NM 87410

District IV PO Box 2088, Santa Fe, NM 87504-2088 State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office

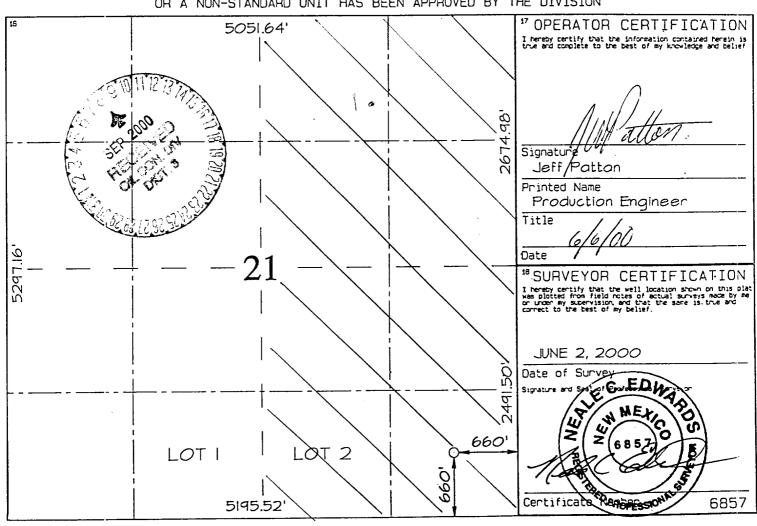
OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 State Lease - 4 Copies Fee Lease - 3 Copies

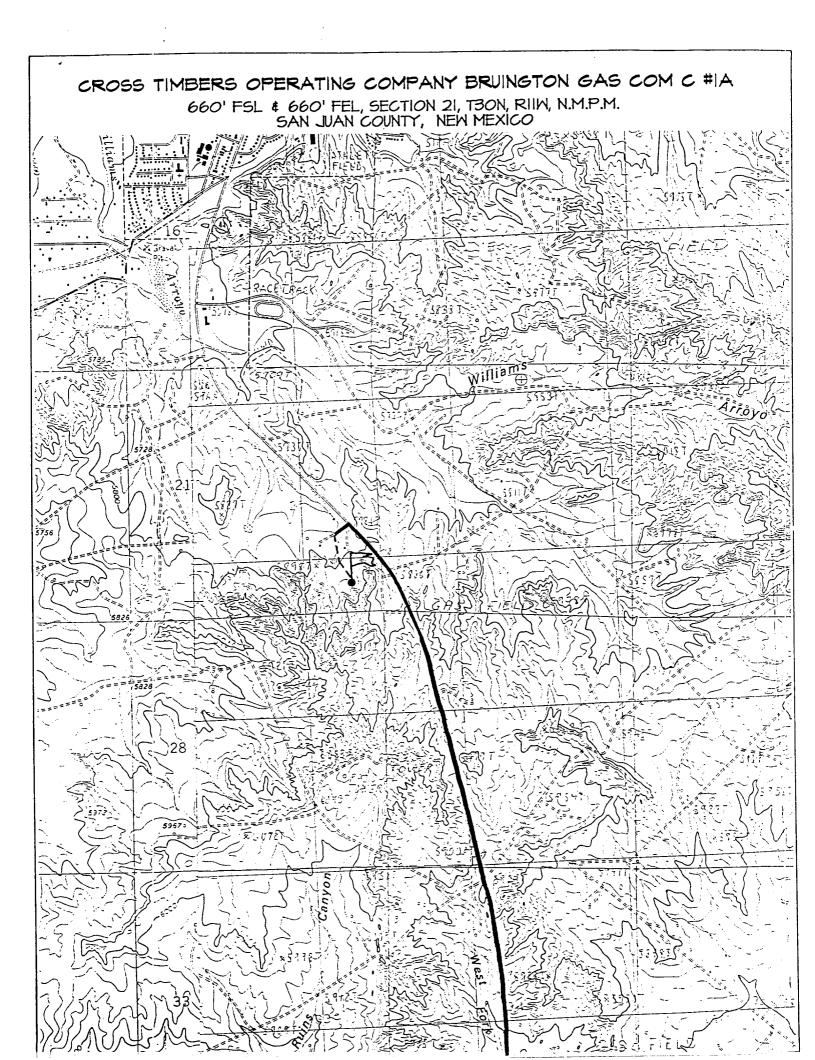
__ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 5	Number	3/3	*Pool Co 72319			BLAN	Pool Name ICO MESAVER	RDE	
*Property					³Property			* }	Vell Number
1 2255	7			BH	KOTNE LON (GAS COM C			1 A
OGRID N	lo.	·			*Operator	Name		•	Elevation
16706	7		CF	ROSS T	IMBERS OP	ERATING COM	1PANY		5825
				1	¹⁰ Surface	Location			
U. or lot no.	Sec : ion	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County
Р	21	30N	11W		660	SOUTH	660	EAST	SAN JUAN
		11 E	Sottom	Hole L	ocation I	f Different	From Surf	ace	
Ut or lot no.	Sec : ion	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres	<u> </u>	"Joint or Ir	fill 14 Cons	olidation Code	¹⁵ Order Na.				
1317.8	8 /2	エ							

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION





4. <u>CEMENT PROGRAM (Slurry design may change slightly, but the plan is to circulate cement to surface on both casing strings):</u>

A. Surface:

8-5/8", 24#, J-55. STC casing to be set at ± 400 '.

<u>Lead:</u> 275 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 325 ft³, 100% excess of calculated annular volume to 400'.

B. Production: 4-1/2", 10.5#, J-55, STC casing to be set at $\pm 4,950$ '.

<u>Lead:</u> 475 sx of Class "B" cement containing 2% D-79 (extender), ½ pps D-29 (celloflake) and 2% S-1 (CaCl2) mixed at 11.4 ppg. 2.87 ft³/sk, 17.63 gal wtr/sx.

<u>Tail:</u> 475 sx of Class "B" cement containing 2% D-79 (extender), ¼ pps D-29 (celloflake) and 2% S-1 (CaCl2) mixed at 13.5 ppg. 1.71 ft³/sk, 8.93 gal wtr/sx..

Total estimated slurry volume for the 4-1/2" production casing is $2,175 \text{ ft}^3$.

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 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 Dual Induction/SFL/GR/SP fr/TD to the bottom of the surface cs3. Run CNL/LDT (Lithodensity)/GR/Cal and Pe from TD to 2,000'.

6. FORMATION TOPS:

Formation	Subsea Depth	Well Depth
Ojo Alamo SS	+4985'	1087'
Kirtland Shale	+4878'	1194'
Fruitland Formation	+3973'	2099'
Lower Fruitland Coal	+3755'	2317'
Pictured Cliffs SS	+3729'	2343'
Lewis Shale	+3495'	2577'
Cliffhouse SS	+2163'	3909'
Menefee	+1964'	4108'
Point Lookout SS	+1455'	4617'
Mancos Shale	+1150'	4907'
Projected TD	+1107'	4950'