

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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. NM-036224	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR BHP PETROLEUM (AMERICAS) INC.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 1560 Broadway, Ste. 1900, Denver, CO. 80202		8. FARM OR LEASE NAME Crane Feb 29	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2080' FNL & 2150' FEL (SW/NE) At proposed prod. zone		9. WELL NO. 7-20	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approx. 7 miles north of Regina N.M.		10. FIELD AND POOL, OR WILDCAT GASAN DAKOTA West Pacific Chiquito	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 2080'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA G Sec. 29, T24N, R1W	
16. NO. OF ACRES IN LEASE 640 520		12. COUNTY OR PARISH Rio Arriba	
17. NO. OF ACRES ASSIGNED TO THIS WELL 640		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1440'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7433' GR		22. APPROX. DATE WORK WILL START* March 15, 1989	
23. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
17 1/2"	13 3/8"	54.50#	± 300'
8 3/4"	7"	23# & 26#	± 8100'
		QUANTITY OF CEMENT	
		350 sx (413 cu ft.)	
		Two stage 720 sx (1434 cu.ft.)	

The area necessary to allow 320 acre "stand up" spacing will be communitized prior to production of the subject well.

RECEIVED  
63 JAN 17 PM 12:20  
FARMINGTON RESOURCE AREA  
FARMINGTON, NEW MEXICO

RECEIVED  
JAN 23 1989  
OIL CON. DIV.  
DIST. 3

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. SIGNED Chuck Williams TITLE Administrator, Field Services DATE 1/10/89  
Chuck Williams

(This space for Federal or State office use)

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

Held C-104 for Lease Consolidation  
NSL-2617E \*See Instructions On Reverse Side

APPROVED  
AS AMENDED  
JAN 19 1989  
K. Feller  
AREA MANAGER

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-1-65

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

Operator <b>BHP PETROLEUM (AMERICAS) INC.</b>			Lease <b>NM 036224 Crane Fed 29</b>		Well No. <b>Crane Fed. 7-22</b>
Unit Letter <b>G</b>	Section <b>29</b>	Township <b>24 N</b>	Range <b>1 W</b>	County <b>RIO ARriba</b>	
Actual Footage Location of Well: <b>2080</b> feet from the <b>North</b> line and <b>2150</b> feet from the <b>East</b> line					
Ground Level Elev. <b>7433</b>	Producing Formation <b>Niobrara DAKOTA</b>		Pool <b>Basin</b>	Dedicated Acreage: <b>320 640</b> 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 Presently a working interest unit, to be communitized prior to production.

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.

*589°47'W* *80.18 ft.*

Lease NM 036224	<i>2080'</i>	<i>2150'</i>
Royalty Interest - U.S.A. 100%		
Working Interest Owner		
BHP Petroleum Company, Inc. - 100%	<i>SEC.</i>	

*80.00 ch.*

*29*

Lease SF 079352 A	<b>RECEIVED JAN 23 1989 OIL CON. DIV. DIST. 3</b>
Royalty Interest - U.S.A. 100%	
Working Interest Owners	
A. G. Hill - 50%	<b>69 JAN 17 PM 12:20</b>
Mobil Producing, Texas and N.M., Inc. - 50%	

*80.00 ch.*

**CERTIFICATION**

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

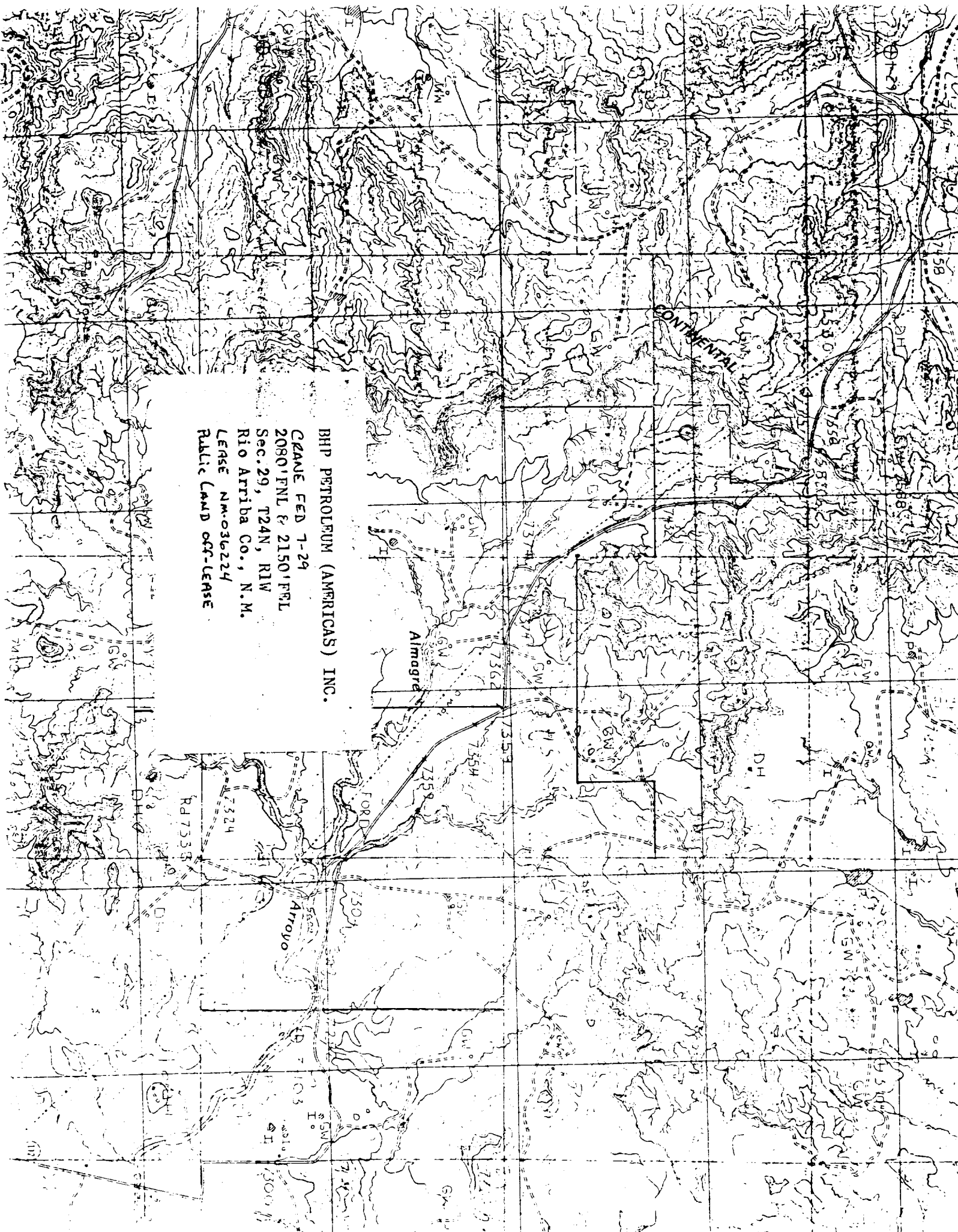
*Chuck Williams*  
Chuck Williams

Name  
Administrator, Field Services  
Position  
BHP Petroleum (Americas) Inc.  
Company  
August 31, 1988  
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  
*William C. Hannke II*  
Registered Professional Engineer and Land Surveyor  
**8466**  
Certificate No. **8466**

BHP PETROLEUM (AMERICAS) INC.  
GRANT FED 7-29  
2080 FNL & 2150 FEL  
Sec. 29, T24N, R1W  
Rio Arriba Co., N.M.  
LEASE NM-036224  
Public Land OFF-LEASE





STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

STATE OF NEW MEXICO  
AZTEC, NEW MEXICO 87410  
(505) 334-6170

OIL CONSERVATION DIVISION  
BOX 2088  
SANTA FE, NEW MEXICO 87501

DATE 1-20-89

RE: Proposed HC \_\_\_\_\_  
Proposed DHC \_\_\_\_\_  
Proposed HSL X \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

I have examined the application dated 12-23-88  
for the GHP PETROLEUM Crane Fed 29#7 G-29-24N-1W  
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours truly,

E. J. Buel

NSG-2617

December 19, 1988

State of New Mexico  
Oil and Gas Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501



**BHP**  
**Petroleum**  
(Americas) Inc

RE: Request for Approval  
Unorthodox Well Location  
Crane Federal 7-29  
2080' FNL, 2150' FEL  
Sec. 29, T24N, R1W  
Rio Arriba County, NM

*NSC-2617*

Gentlemen:

BHP Petroleum respectfully requests administrative approval of the above referenced unorthodox well location based on topographical reasons. The initial field inspection of the area where an orthodox location could be placed also revealed significantly more cultural artifacts than the proposed location as well as being topographically unacceptable.

It is proposed to drill the subject well to test the Basin Dakota formation.

All offset lease owners within 1/2 mile of the proration boundary of the referenced well have been notified by certified mail of this request.

A copy of the letter sent to the offset lease owners and a list of the owners and their addresses is also enclosed.

Please don't hesitate to contact me if you have any questions or need any additional information.

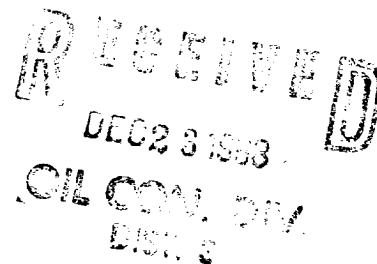
Sincerely,

BHP PETROLEUM (AMERICAS) INC.

*Chuck Williams*

Chuck Williams  
Administrator, Field Services  
Rocky Mountain Region

CW:gb



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

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

Operator BHP PETROLEUM (AMERICAS) INC.			Lease NM 036224 <i>CRAVE FED 29</i>		Well No. <del>CR-102</del> Fed. 7-29
Unit Letter G	Section 29	Township 24 N	Range 1 W	County RIO ARriba	
Actual Footage Location of Well: 2080 feet from the North line and 2150 feet from the East line					
Ground Level Elev. 7433	Producing Formation <del>Nebraska</del> DAKOTA			Pool	Dedicated Acreage: 640 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?

Presently a working interest unit, to be

☒ Yes ☐ No If answer is "yes," type of consolidation communitized prior to production.

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.

*S 89° 47' W* *80.18 ch.*

Lease NM 036224	
Royalty Interest - U.S.A. 100%	
Working Interest Owner	
BHP Petroleum Company, Inc. - 100%	2080'
SEC.	
2150'	

*80.00 ch.*

*N 0° 03' W* *80.12 ch.*

Lease SF 079352 A	
Royalty Interest - U.S.A. 100%	
Working Interest Owners	
A. G. Hill - 50%	
Mobil Producing, Texas and N.M., Inc. - 50%	

*29 RECEIVED*  
*JAN 17 1989*  
*OIL CON. DIV*  
*DIST. 2*

CERTIFICATION

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

*Chuck Williams*  
Name

Administrator, Field Services

Position  
BHP Petroleum (Americas) Inc.

Company

August 31, 1988

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  
William C. Mahanke II

Registered Professional Engineer and Land Surveyor

Certified PROFESSIONAL LAND SURVEYOR  
8466

# R 1 W

19	<div data-bbox="558 395 1068 655"> <div>20</div> <div>A.G. Hill 50%</div> <div>Mobil Prod. TX + NM, Inc. 50%</div> </div>	<div data-bbox="1068 395 1594 655"> <div>21</div> <div>Billie S. Werntz</div> </div>
<div data-bbox="53 655 558 1176"> <div>T</div> <div>24</div> <div>30</div> <div>N</div> </div>	<div data-bbox="558 655 1068 1176"> <div>BHP Petroleum</div> <div>○</div> <div>29</div> <div>A.G. Hill 50%</div> <div>Mobil Prod. TX + NM, Inc. 50%</div> </div>	<div data-bbox="1068 655 1594 1176"> <div>A.G. Hill 50%</div> <div>Mobil Prod. TX + NM, Inc. 50%</div> <div>28</div> <div>BHP Petroleum</div> </div>
31	<div data-bbox="558 1176 1068 1691"> <div>BHP Petroleum</div> <div>32</div> </div>	<div data-bbox="1068 1176 1594 1691"> <div>Mobil Prod. TX + NM, Inc.</div> <div>33</div> </div>

○ Proposed Location  
 Crane Fed. 7-29  
 SW NE Sec. 29  
 2080' FNL , 2150' FEL  
 T-24-N, R-1-W

Rio Arriba County  
 New Mexico

 Proration Unit





December 19, 1988



RE: Request for Approval  
Unorthodox Well Location  
Crane Federal 7-29  
2080' FNL, 2150' FEL  
Sec. 29, T24N, R1W  
Rio Arriba County, New Mexico

Gentlemen:

BHP Petroleum has requested that the above referenced Basin Dakota test, unorthodox well location, be approved based on topographic reasons.

BHP Petroleum has also requested that it be approved administratively if no protests are filed within the allowable time frame.

Please don't hesitate to contact me if you have any questions.

Sincerely,

BHP PETROLEUM (AMERICAS) INC.

Chuck Williams  
Administrator, Field Services  
Rocky Mountain Region

CW:gb

NAME AND ADDRESS OF LEASE OWNERS WITHIN 1/2 MILE OF PRORATION UNIT OF CRANE  
FEDERAL 7-29.

A. G. Hill  
2500 1st National Bank Bldg.  
Dallas, TX 75202

Mobil Producing TX & NM Inc.  
9 Greenway Plaza, Suite 2700  
Houston, TX 77046

Billie S. Werntz  
606 Loma Linda Pl., SE.  
Albuquerque, NM 87108