

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

New Mexico Oil Conservation Division, District 1
1621 French Drive
Hobbs, NM 88240
FORM APPROVED
Expires: November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

File No.
NM-14218

1a. Type of Work <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		6. If Indian, Allottee or Tribe Name	
1b. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		7. Unit or CA Agreement Name and No.	
2. Name of Operator TEXACO EXPLORATION & PRODUCTION <i>Chevron U.S.A. Inc.</i>		8. Lease Name and Well No. C C FRISTOE 'B' FED NCT-2 #29	
3a. Address 15 SMITH ROAD, MIDLAND, TX 79705		9. API Well No. 30-025-35984	
3b. Phone No. (include area code) (915) 687-7375		10. Field and Pool, or Exploratory LANGLIE MATTIX 7 RVRS ON GRBG	
4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface UNIT LETTER C, 660' FNL, 1980' FWL At proposed prod. zone SAME C		11. Sec., T., R., M., or Blk. and Survey or Area SEC 35, T-24-S, R-37-E	
14. Distance in miles and direction from nearest town or post office* 5 MILES NE OF JAL, NM		12. County or Parish LEA	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any) 660'		13. State NM	
16. No. of Acres in lease 400		17. Spacing Unit dedicated to this well 40	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 381'		20. BLM/BIA Bond No. on file CO-0058	
19. Proposed Depth 4030'		21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3184' GL	
22. Approximate date work will start* 7-15-02		23. Estimated duration	

24. Attachments **Carlsbad Controlled Water Basin**

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature <i>J. Denise Leake</i>	Name (Printed/Typed) J. DENISE LEAKE	Date 6-05-02
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Title REGULATORY & PERMIT SPECIALIST	
Approved by (Signature) /S/ JOE G. LARA	Name (Printed/Typed) /S/ JOE G. LARA
Title ACTING FIELD MANAGER	Office CARLSBAD FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

APPROVAL FOR 1 YEAR

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on Reverse)

OPER. GRID NO. 4323
PROPERTY NO. 29917
POOL CODE 37240
EFF. DATE 8-27-02
API NO. 30-025-35984

**APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED**

J
C
A

[Handwritten signature]

BUREAU OF LAND MGMT.
ROSWELL OFFICE

2002 JUN 18 AM 8:52

RECEIVED

DISTRICT I
P. O. Box 1980, Hobbs, NM 88240

DISTRICT II
P. O. Drawer DD, Artesia, NM 88210

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

DISTRICT IV
P. O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

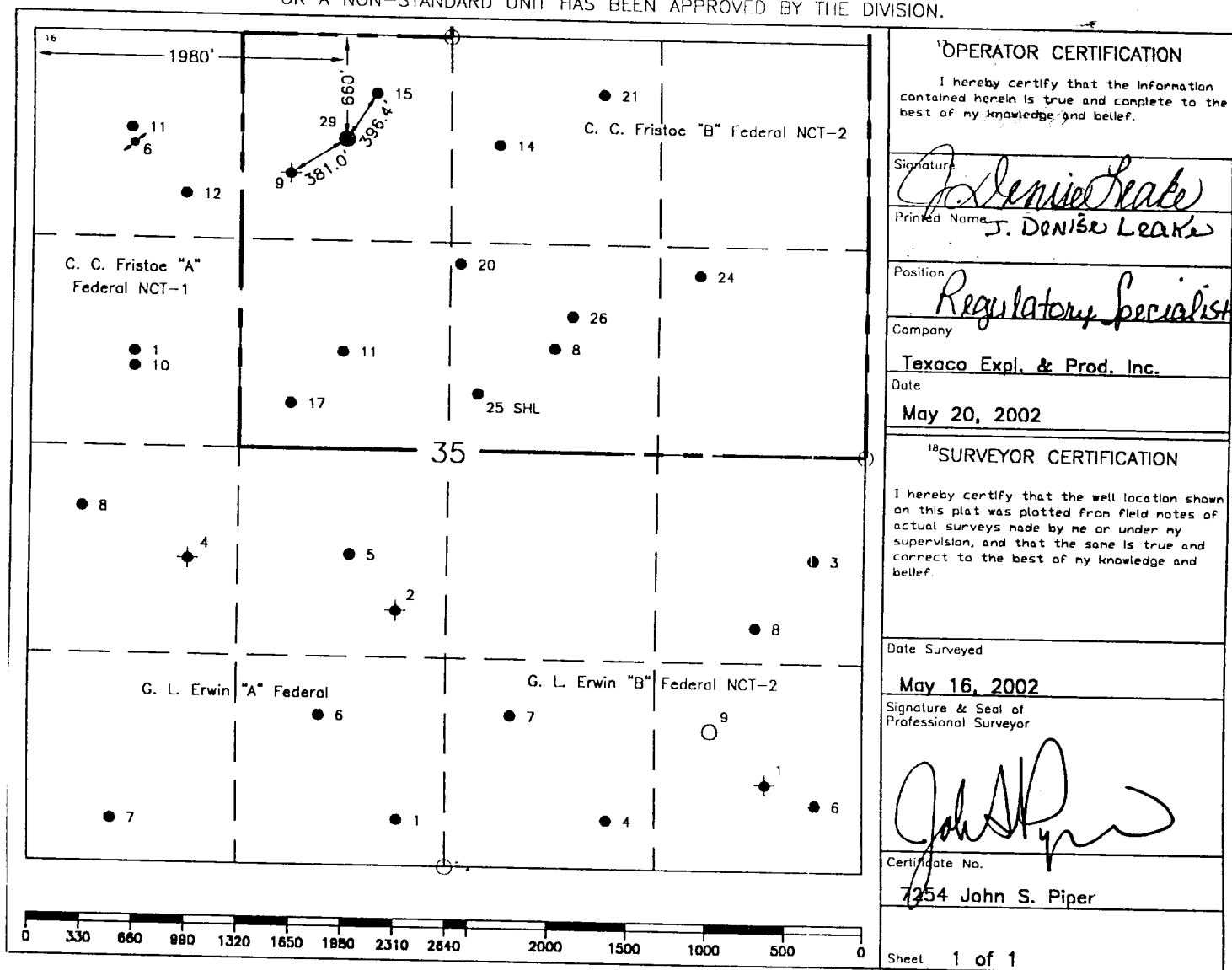
State Lease-4 copies
Fee Lease-3 copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

1 API Number 30-025-35984		2 Pool Code 37240		3 Well Name Langlie Natrix, 7A-QH- Grayburg, San Andres					
4 Property Code 2-9917		5 Property Name C. C. Fristoe "B" Federal NCT-2				6 Well Number 29			
7 OGRID No. 223514323		8 Operator Name Chevron U.S.A. Inc. TEXACO EXPLORATION & PRODUCTION, INC.				9 Elevation 3184'			
10 Surface Location									
UL or lot no. C	Section 35	Township 24-S	Range 37-E	Lot Idn	Feet from the 660'	North/South line North	Feet from the 1980'	East/West line West	County Lea
11 Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 40		13 Joint or Infill		14 Consolidation Code		15 Order No.			

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.



○ = Staked Location • = Producing Well ↗ = Injection Well ⊕ = Water Supply Well ⊙ = Plugged & Abandon Well
⊙ = Found Section Corner, 2 or 3" Iron Pipe & GLO B.C. ○ = Found 1/4 Section Corner, 1" Iron Pipe & GLO B.C.

ADDITIONAL INFORMATION ON THE LOCATION

State Plane Coordinates			
Northing	429933.38 (1927=429876.17)	Easting	913287.06 (1927=872099.46)
Latitude	32°10'34.507" (1927=32°10'34.065")	Longitude	103°07'52.259" (1927=103°07'50.613")
Zone	North American Datum	Combined Grid Factor	Coordinate File
East	1983	0.99991402	Erwin83.cr5
Drawing File		Field Book	

DRILLING PROGRAM

Attachment to Form 3160-3
Texaco Exploration & Production Inc.
C. C. Fristoe "B" NCT-2 #29
660' FNL, 1980' FWL
Section 35, T-24S, R-37E
Lea County, New Mexico

Elevation of unprepared ground: 3184'

Type Drilling Tools: Rotary

Proposed Drilling Depth: 4030'

Estimated Top of Geologic Markers:

Rustler	915'	Anhydrite
Tansill	2280'	
Yates	2430'	Sandstone
Seven Rivers	2670'	
Queen	3110'	
Grayburg	3443'	Dolomite
San Andres	3623'	Dolomite
Total Depth	4030'	

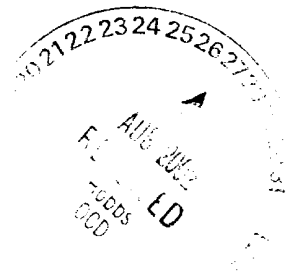
Estimated Depths at which target Formations expected:

Langlie Mattix Seven Rivers Queen Grayburg 4030'

Casing Program and Setting Depths:

Hole Size	Casing Size	Weight	Grade	Setting Depth
11"	8 5/8"	24#	J-55	950'
7 7/8"	5 1/2"	15.5#	K-55	4030'

Duration of Operation: 10 Days to Drill



Casing Setting Depths and Cementing Program:

- A. Surface casing will be cemented to surface using 590 sacks Class "C" cement with 2% CaCl₂.
- B. Production casing will be cemented with 550 sacks Class "H" cement with 6% gel, 5% salt, & ¼# cell, tailed in with 300 sacks Class "H" 50/50 poz with 2% gel, 5% salt, & ¼# cell.

Mud Program:

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Remarks</u>
0-950'	Fresh Water	8.4	Circulate pits 28 viscosity
950-4030'	Brine	10	Circulate reserves, 29 vis

Testing, Logging, and Coring Program:

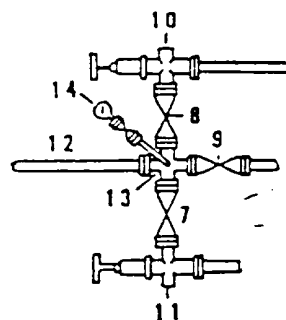
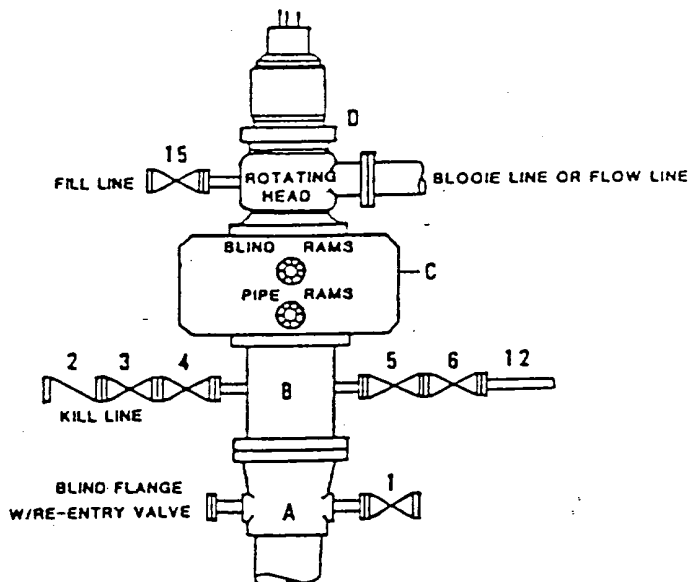
- A. Salt Muds below Surface for logging requirements
- B. Install H₂S equipment from 950' – TD
- C. Mudloggers from 2100' to TD
- D. No coring is planned.

Anticipated Starting Date:

Drilling operations should begin upon approval of this permit and will take approximately 10 days. Completion operations will begin soon after drilling is completed and will take approximately two weeks.

**DRILLING CONTROL
CONDITION II-B 3000 WP
FOR AIR DRILLING OR
WHERE NITROGEN OR AIR BLOWS ARE EXPECTED**

H₂S TRIM REQUIRED
YES _____ NO X



DRILLING CONTROL

MATERIAL LIST - CONDITION II - B

- | | |
|----------------|---|
| A | Texaco Wellhead |
| B | 3000# W.P. drilling spool with a 2" minimum flanged outlet for kill line and 3" minimum flanged outlet for choke line. |
| C | 3000# W.P. Dual ram type preventer, hydraulic operated with 1" steel, 3000# W.P. control lines (where sub-structure height is adequate, 2 - 3000# W.P. single ram type preventers may be utilized). |
| D | Rotating Head with fill up outlet and extended Blooie Line. |
| 1,3,4,
7,8, | 2" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve. |
| 2 | 2" minimum 3000# W.P. back pressure valve. |
| 5,6,9 | 3" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve. |
| 12 | 3" minimum schedule 80, Grade "B", seamless line pipe. |
| 13 | 2" minimum x 3" minimum 3000# W.P. flanged cross. |
| 10,11 | 2" minimum 3000# W.P. adjustable choke bodies. |
| 14 | Cameron Mud Gauge or equivalent (location optional in choke line). |
| 15 | 2" minimum 3000# W.P. flanged or threaded full opening steel gate valve, or Halliburton Lo Torc Plug valve. |

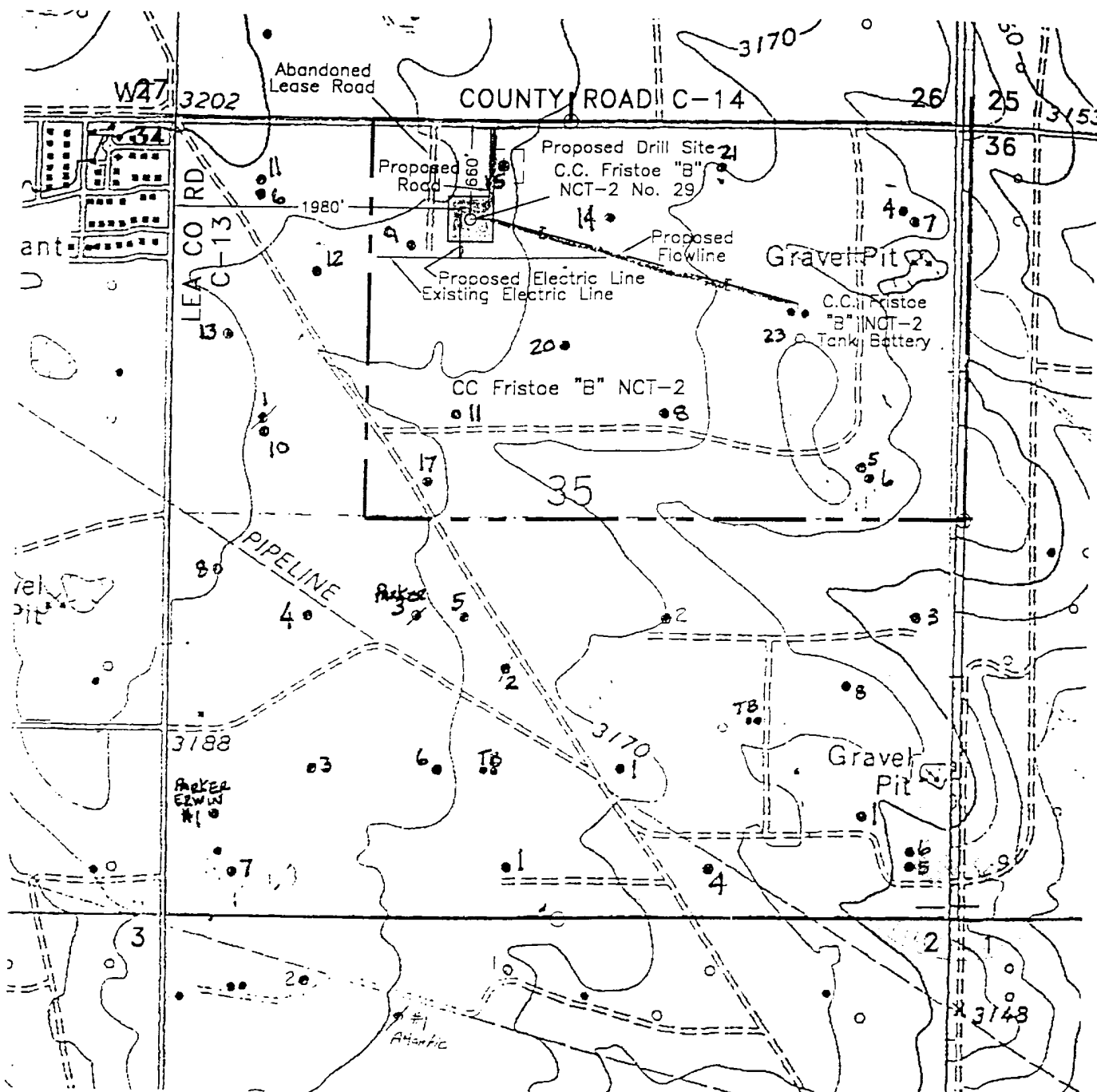


TEXACO, INC.
MIDLAND DIVISION
MIDLAND, TEXAS



SCALE	DATE	EST. NO.	DRG. NO.
DRAWN BY			
CHECKED BY			

EXHIBIT C



LEGEND OF SYMBOLS

- = Access Road (Yellow)
- = Access Road on Lease (Purple)
- = Resource Road on State Land (Blue)
- = Resource Road on Private Land (Pink)
- = Resource Road on Federal Land (Brown)
- = Proposed Resource Road (Red)
- = Proposed Electric Line (Orange)
- = Proposed Production Flow Line (Green)
- o = Staked Well Location
- o = Producing Well Location
- o = Water Injection Well
- o = Found 1" Iron Pipe with Brass Cap
- o = Found 2" or 3" Iron Pipe with Brass Cap
- = Unit or Lease Boundary

EXHIBIT "A" ACCESS ROAD AND FACILITIES MAP

TEXACO EXPLORATION AND PRODUCTION INC.

C.C. FRISTOE "B" FEDERAL NCT-2 NO. 29
Located 660' FNL & 1980' FWL, Section 35,
T-24-S, R-37-E, NMPM, Lea County, NM

Drawn by: Gene Rodriguez

Scale: 1" = 1000'

Date: May 17, 2002

Randy Shannon

Checked by: J. S. Piper

Drawing File: Fris_b29A.Dwg

**TITLE PAGE/ABSTRACT/
NEGATIVE SITE REPORT
ROSWELL DISTRICT**

BLM/ RDO 1/95

1. BLM Report No.	2. (ACCEPTED) (REJECTED)	3. NMCRIS No. 78978
4. Title of Report (Project Title) A Class III Survey of C.C. Fristoe Unit B FED NCT-2 Nos. 28 and 29, Lea County, New Mexico		5. Project Date(s) May 16, 2002
		6. Report Date May 18, 2002
7. Consultant Name & Address Direct Charge: Deni Seymour Address: Lone Mountain 2625 Pennsylvania NE, Suite 2000 Albuquerque, NM 87110 Authors Name: Douglas H. M. Boggess Field Personnel Names: Douglas H. M. Boggess Phone: (505) 881-0011		8. Permit No. 122-2920-02-NN 9. Consultant Report No. LMAS #722
10. Sponsor Name and Address Indiv. Responsible: Hollis Cox Name: Chevron Texaco Address: 15 Smith Road, Midland, TX 79705 Phone: 505-390-0000		11. For BLM Use only. 12. ACREAGE Total No. of Acres Surveyed: 14.14 ac Per Surface Federal: State: Private: 14.14 ac (subsurface mineral rights BLM)
13. Location (Maps Attached if negative survey)		
a. State: New Mexico	e. Location T 24S R 37E Sec 26 N ½, SW ¼, SE ¼; S ½, SW ¼, SE ¼ Sec 35 W ½, NE ¼, NE ¼ Well Pad Footage: 400' x 400' (x2)	
b. County: Lea	f. 7.5' Map Name(s) and Code Number (s): Jal NW, New Mexico 32103-B2-TF-024-00	
c. BLM FO: Carlsbad	g. Area Block - Impact: 400' x 400' (x2) Surveyed: 400' x 400' (x2) Linear - Impact: 50' x 2960' Surveyed: 100' x 2960'	
d. Nearest City or Town: Jal, New Mexico		