

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPL. (TE)
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

45F

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐

2. NAME OF OPERATOR
Great Western Drilling Company

3. ADDRESS OF OPERATOR
P.O. Box 1659, Midland, Texas 79702 O.C.D.

4. LOCATION OF WELL (Report location clearly and in accordance with any State or Federal Survey. See also space 17 below.)
At surface
1,980' FSL & 1,880' FEL of Sec. 15 (NW $\frac{1}{4}$ SE $\frac{1}{4}$)(Unit J)

14. PERMIT NO. API #
30-005-62712

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
3,901' GR, (3,911' KBM)

5. LEASE DESIGNATION AND SERIAL NO.
NM-15862

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Quail Federal COM.

9. WELL NO.
6

10. FIELD AND POOL, OR WILDCAT
Pecos Slope Abo

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 15, T-6-S,
R-25-E

12. COUNTY OR PARISH
Chaves

13. STATE
NM

RECEIVED

SEP -7 '89

O.C.D.

ARRESA OFFICE

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐ PULL OR ALTER CASING ☐
FRACTURE TREAT ☐ MULTIPLE COMPLETE ☐
SHOOT OR ACIDIZE ☐ ABANDON* ☐
REPAIR WELL ☐ CHANGE PLANS ☐
(Other) ☐

WATER SHUT-OFF ☐ REPAIRING WELL ☐
FRACTURE TREATMENT ☐ ALTERING CASING ☒
SHOOTING OR ACIDIZING ☐ ABANDONMENT* ☐
(Other) ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

AMENDED: 7-5/8" Intermediate Csg., 26.40#/ft., N-80, LT&C (used) casing was run and set at 1,823' KBM, due to hole problems.



18. I hereby certify that the foregoing is true and correct

SIGNED

M. B. Myers

TITLE Ass't. to Gen. Supt.

DATE

08-31-89

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD
PETER W. CHESTER
DATE

SEP 6 1989

BUREAU OF LAND MANAGEMENT
ROSWELL RESOURCE AREA

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

PRIVACY ACT

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

ROUTINE USES: (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations. (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2). (3) Analyze future applications to drill or modify operations in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

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This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐	RECEIVED
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3. ADDRESS OF OPERATOR P.O. Box 1659, Midland, Texas 79702	O. C. D.
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1,980' FSL & 1,880' FEL of Section 15 (NW $\frac{1}{4}$ SE $\frac{1}{4}$)(Unit J)	ARTESIA OFFICE
14. PERMIT NO. API # 30-005-62712	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3,901' GR, (3,911' KBM)

5. LEASE DESIGNATION AND SERIAL NO. NM-15862	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME -----	
7. UNIT AGREEMENT NAME -----	
8. FARM OR LEASE NAME Quail Federal COM.	
9. WELL NO. 6	
10. FIELD AND POOL, OR WILDCAT Pecos Slope Abo	
11. SEC., T., R., M., OR BLK. AND SURVEY OR ARMA Sec. 15, T-6-S, R-25-E	
12. COUNTY OR PARISH Chaves	13. STATE NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF ☐	PULL OR ALTER CASING ☐	WATER SHUT-OFF ☒	REPAIRING WELL ☐
FRACTURE TREAT ☐	MULTIPLE COMPLETE ☐	FRACTURE TREATMENT ☐	ALTERING CASING ☐
SHOOT OR ACIDIZE ☐	ABANDON* ☐	SHOOTING OR ACIDIZING ☐	ABANDONMENT* ☐
REPAIR WELL ☐	CHANGE PLANS ☐	(Other) See below	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SUBSEQUENT REPORT OF: Spudding, cementing 10-3/4" Csg., BOP tests, lost circulation intervals, cementing 7-5/8" Csg., BOP tests, logging & cementing 4 1/2" production casing & surveys.

08/13/89: Notified Mr. Larry Bray with BLM prior to spud. Spud 14-3/4" hole @ 2:00PM, 08-13-89. Lost 40 bbls. spud mud @ 107'.

08-15-89: T.D. 14-3/4" hole @ 920' @ 4:30AM, 8-15-89. Notified Mr. Larry Bray w/BLM. Ran 8 jts. 10-3/4" OD, 40.5#, K-55, ST&C Csg plus 14- Jts. 10-3/4" OD, 40.5#, K-55, Buttress Csg, total of 22 Jts. 10-3/4" Csg, 908' set @ 920' KBM. Cemented w/325 Sxs. Halliburton lite + 1/4# flocele/sx. mixed @ 12.1#/gal, followed w/250 Sxs. class "C" + 1/4# flocele + 2% calcium chloride mixed @ 14.8#/gal. Plug down @ 10:00AM, 8-15-89. Circulated 110 Sxs. cement. Mr. Larry Bray w/BLM witnessed. Started nipping up. WOC 18 hrs.

08-16-89: Finished nipping up. Tested blind rams & choke manifold to 1,000 psi for 30 min. - held okay. Ran 9-7/8" bit, tested pipe rams, casing and Kelly Cock to 1,000 psi for 30 min. - held okay. Drilled cement, float & shoe and started drilling 9-7/8" hole @ 12:30PM, 8-16-89. Mr. Larry Bray w/BLM witnessed tests.

18. I hereby certify that the foregoing is true and correct

SIGNED M. B. W. W. W.

TITLE Ass't. to Gen. Supt.

DATE 08-31-89

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

ACCEPTED FOR RECORD
PETER W. CHESTER

DATE _____

SEP 6 1989

*See Instructions on Reverse Side

BUREAU OF LAND MANAGEMENT
ROSWELL RESOURCE AREA

Instructions

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PRIVACY ACT

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PRINCIPAL PURPOSE: The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

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Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

NM-15862

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Quail Federal COM.

9. WELL NO.

6

10. FIELD AND POOL, OR WILDCAT

Pecos Slope Abo

11. SEC. T. R. M., OR BLK. AND

SURVEY OR AREA
Sec. 15, T-6-S,
R-25-E

12. COUNTY OR PARISH

Chaves

13. STATE

NM

SUNDRY NOTICES AND REPORTS ON WELLS

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1.

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Great Western Drilling Company

3. ADDRESS OF OPERATOR

P.O. Box 1659, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

1,980' FSL & 1,880' FEL of section 15 (NW $\frac{1}{4}$ SE $\frac{1}{4}$)(Unit J)

14. PERMIT NO. API #

30-005-62712

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3,901' GR, (3,911' KBM)

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐

PULL OR ALTER CASING

☐

FRACTURE TREAT

☐

MULTIPLE COMPLETE

☐

SHOOT OR ACIDIZE

☐

ABANDON*

☐

REPAIR WELL

☐

CHANGE PLANS

☐

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☒

REPAIRING WELL

☐

FRACTURE TREATMENT

☐

ALTERING CASING

☐

SHOOTING OR ACIDIZING

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ABANDONMENT*

☐

(Other) Same as Page No. 1

(NOTE: Report results of multiple completion on Well
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08-17-89: Drilled to 1,335' & lost returns. Mixed & pumped 100 bbl. pill, regained circulation. Drilled to 1,355' and lost returns again. Drilled to 1,365' w/85% returns. Drilled to 1,513' and lost all returns. Drilled to 1,823' without returns. Spotted 50 bbls. mud on bottom. Pulled bit back to surface pipe. T.D. 9-7/8" hole @ 1,823' @ 4:45AM, 8-18-89. Lost a total of 6,000 bbls. fluid in lost circulation zones.

08-18-89: Finished trip out of hole. Ran 43 jts. 7-5/8" OD, 26.4#, N-80, LT&C (used) Csg., set 1,813' @ 1,823' KBM. Cemented w/175 Sxs. HL cement + 6% gel, followed w/100 Sxs. Class "C" + 2% calcium chloride, plug down @ 1:45PM, 8-18-89. Hole filled 1 time during cementing & circulated out 5 gals. mud. Set slips, cut off pipe, welded on 7-5/8" head. Nippled up. Tested Csg and blind rams to 1,000 psi for 30 min. - held okay. Trip in hole, tested pipe rams to 1,000 psi - stem packing leaked on BOP - repacked. Tested pipe rams to 1,000 psi for 30 Min. - held okay. Testing and nipping up witnessed by Mr. J.R. Hogwood w/BLM. Temp. Survey: found top of cement on the outside @ 1,000' and @ 1,708' inside. WOC 18 hrs.

08-19-89: Drlg. cement, plug & shoe, now drilling new 6- $\frac{1}{2}$ " hole. No losses or shows.

18. I hereby certify that the foregoing is true and correct

SIGNED

M. B. Meyer

TITLE Ass't. to Gen. Supt.

DATE

08-31-89

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED FOR RECORD
PETER W. CHESTER

DATE

SEP 6 1989

*See Instructions on Reverse Side

BUREAU OF LAND MANAGEMENT

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UNITED STATES
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BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
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Budget Bureau No. 1004-0135
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Great Western Drilling Company

SEP - 7 '89

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P.O. Box 1659, Midland, Texas 79702

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Chaves

NM

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FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

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REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

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08-20-89: Depth 3,050'. No fluid loss or shows.

08-21-89: Depth 3,600', started mud up. No problems or fluid loss.

08-23-89: T.D. 6 $\frac{1}{2}$ " hole @ 4,050' @ 4:15PM, 8-23-89. Conditioned hole. Rigged up Schlumberger and commended logging.

08-24-89: Finished logging. Logs ran: Litho-Density, Compensated Neutron-GR, Dual Laterolog & MSFL & Caliper. Trip in hole - no fill - conditioned hole - pulled out of hole. Ran total of 101 Jts. 4- $\frac{1}{2}$ "OD, 10.5#-11.6#, J-55, LT&C and ST&C casing, 4,040' set @ 4,050' KBM. Cemented w/200 Sxs. 65-35 Class "C" - Poz-mix + 5# salt + .3% Halad 4 + .3% CFR-3, plug down @ 6:45PM, 8-24-89. Had good circulation while cementing. Nipped down and set slips. BLM notified, did not witness. Ran temperature survey, found top of cement @ 3,110'.

ATTACHED: Temperature Surveys and Deviation Survey.

18. I hereby certify that the foregoing is true and correct

SIGNED

M. H. Meyer

TITLE Ass't. to Gen. Supt.

DATE

08-31-89

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TITLE

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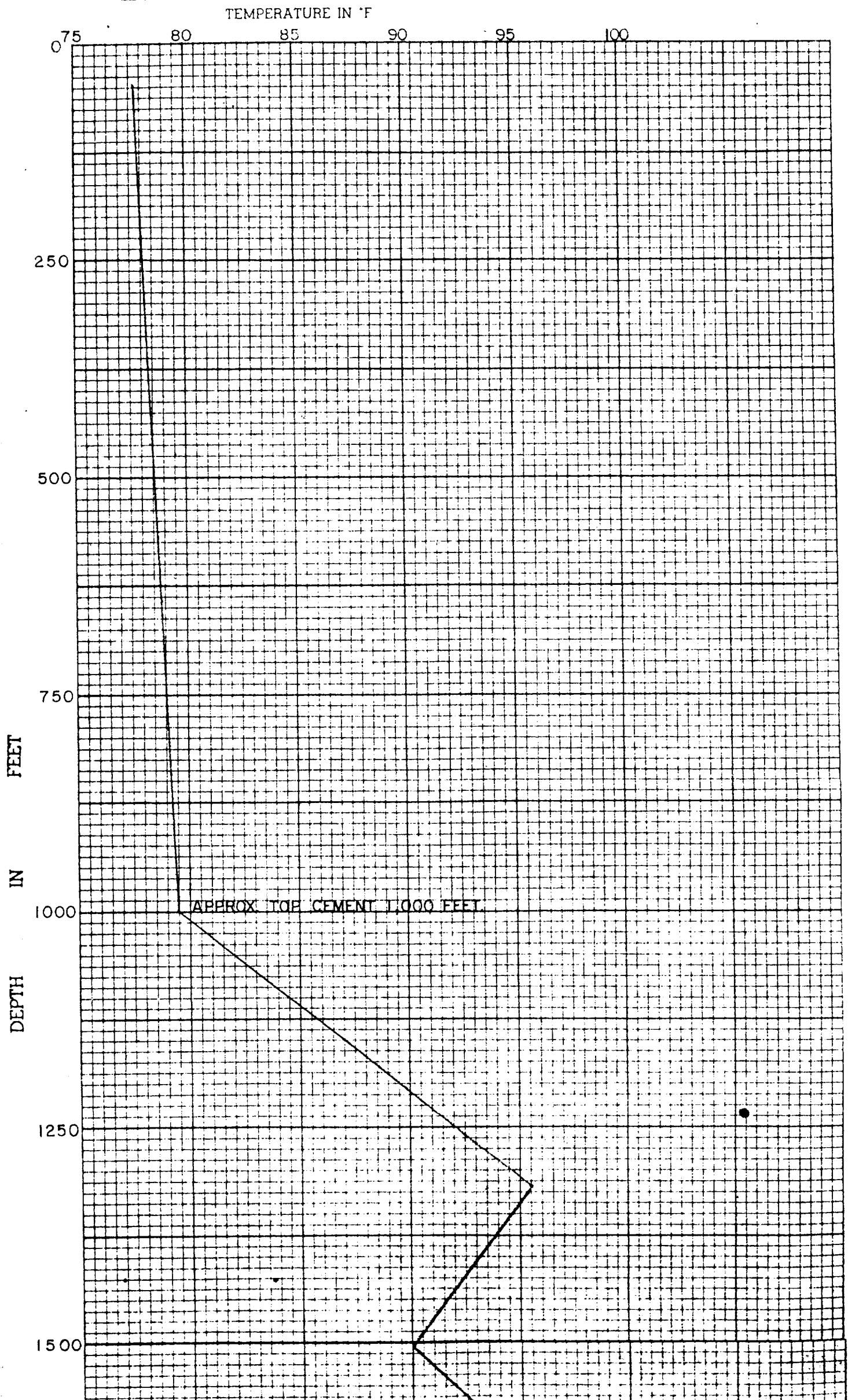
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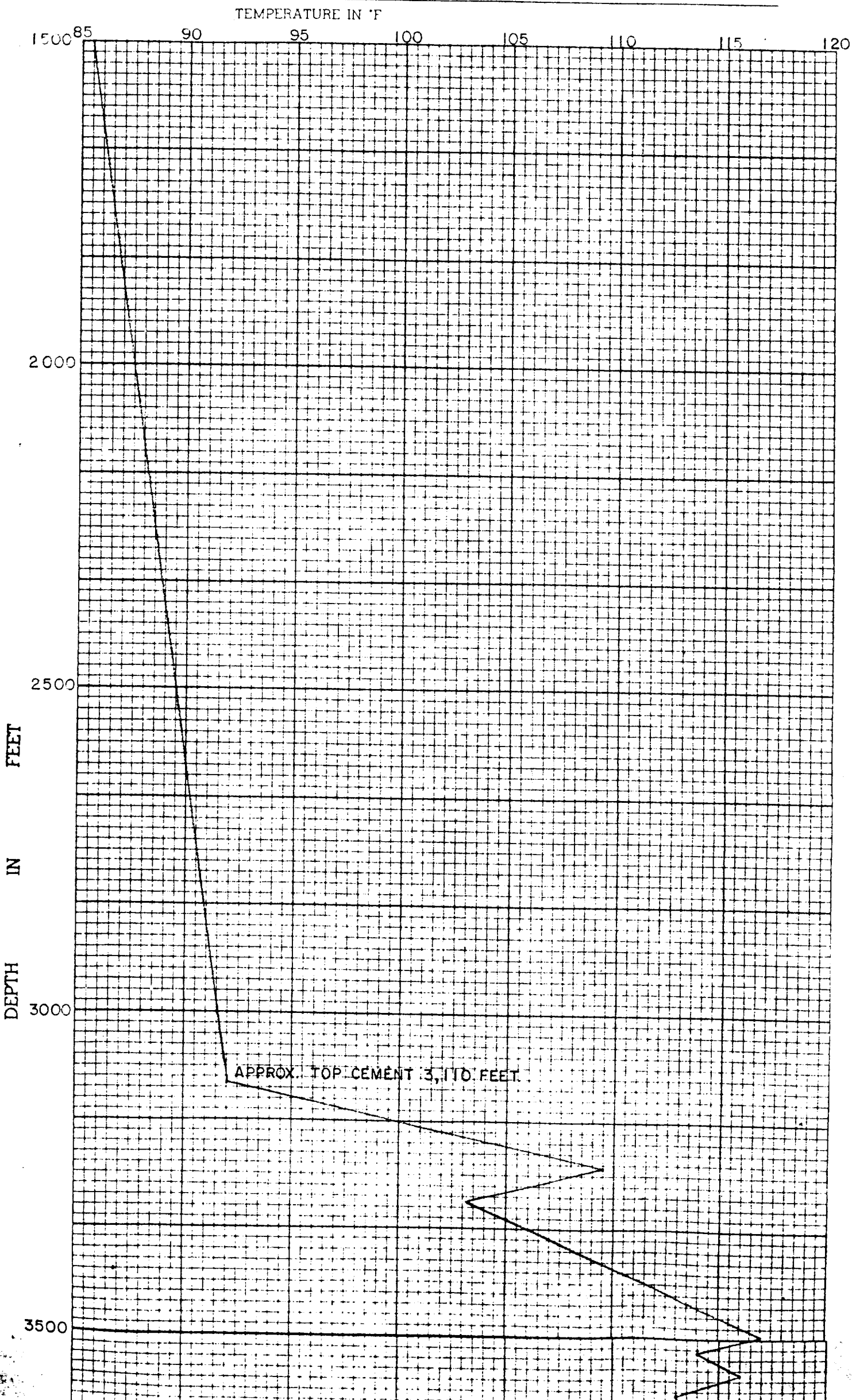
TEMPERATURE SURVEY

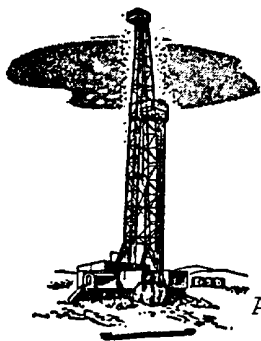
OPERATOR GREAT WESTERN DRILLING COMPANY
LEASE Quail Federal
WELL NO. 6
FIELD _____
DATE & TIME CEMENT JOB COMPLETED August 18, 1989 @ 1:45 P.M.
DATE & TIME SURVEY MADE August 18, 1989 @ 11:45 P..M
SURVEY RUN BY B.J.T.
DATUM Ground
WELL DATA 250 sacks of Halliburton Light Weight and 100 sacks of
Class "C" Neat with 2% Calcium Chloride run behind 1,823
feet of 7 5/8 inch casing in a 9 7/8 inch hole.



TEMPERATURE SURVEY

OPERATOR GREAT WESTERN DRILLING COMPANY
LEASE Quail Federal
WELL NO. 6
FIELD _____
DATE & TIME CEMENT JOB COMPLETED August 24, 1989 @ 6:45 P.M.
DATE & TIME SURVEY MADE August 25, 1989 @ 4:45 A.M.
SURVEY RUN BY B.J.T.
DATUM Ground
WELL DATA 200 sacks of 65:35 Class C Posmix run behind 4,056 feet
of 4 1/2 inch casing in a 6 1/2 inch hole.





Telephone (505) 748-2205

L & M DRILLING, INC. — Oil Well Drilling Contractors

P. O. BOX 672 / ARTESIA, NEW MEXICO 88210
470

August 29, 1989

Great Western Drilling
PO Box 1659
Midland, TX 79702

Re: Quail Federal #6
1980' FSL & 1880' FEL
Sec. 15, T6S, R25E
Chaves County, New Mexico

Gentlemen:

The following is a Deviation Survey for the above captioned well.

DEPTH	DEVIATION
500'	1 1/4°
920'	1 1/4°
1422'	1 3/4°
1928'	1 3/4°
2393'	1 1/2°
2888'	1 3/4°
3415'	2°
3940'	2°
4050'	2°

Very truly yours,

B. N. Muncy Jr.
President

STATE OF NEW MEXICO
COUNTY OF EDDY

§
§

The foregoing was acknowledged before me this 29th day of August, 1989.

NOTARY PUBLIC

