

OIL CONSERVATION DIVISION
RECEIVED
SOCORRO
PETROLEUM COMPANY
20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102

405/235-3611
Fax 405/552-4550
Fax 405/552-4552

August 21, 1994

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
State Land Office Building
310 Old Santa Fe Trail
P.O. Box 2088
Santa Fe, New Mexico 87504 - 2088

Attention: David Catanach

Re: Non - Standard Location Approval

Dear Sir:

It is requested that administrative approval be granted under Rule 104F. (1) for unorthodox locations for the infill producing wells located within the Keel West Waterflood Project, at the following locations:

D - NW/4SW/4 - Keel "A" 18 - 1310' FNL & 1100' FWL Section 7 - T17S - R31E
B - NW/4NE/4 - Keel "A" 20 - 200' FNL & 1480' FEL Section 7 - T17S - R31E** ✓
A - NE/4SW/4 - Keel "A" 21 - 1310' FNL & 1310' FEL Section 7 - T17S - R31E
A - NE/4NE/4 - Keel "A" 22 - 1300' FNL & 60' FEL Section 7 - T17S - R31E**
P - SE/4SE/4 - Keel "B" 50 - 1310' FSL & 1310' FEL Section 5 - T17S - R31E
M - SW/4SW/4 - Keel "B" 51 - 1310' FSL & 1310' FWL Section 5 - T17S - R31E
P - SE/4SE/4 - Keel "B" 52 - 1310' FSL & 60' FEL Section 6 - T17S - R31E
O - SW/4SE/4 - Keel "B" 53 - 1220' FSL & 1500' FEL Section 6 - T17S - R31E**
D - NW/4NW/4 - Keel "B" 54 - 10' FNL & 110' FWL Section 8 - T17S - R31E**

D - NW1/4NW1/4 Keel "B" 56 - 1280' FNL & 1300' FWL Section 8 - T17S - R31E**

M - SW1/4SW1/4 - Keel "B" 58 1300' FSL & 1290' FWL Section 8 - T17S - R31E**

D - NW1/4NW1/4 Keel "B" 59 - 1280' FNL & 1070' FWL Section 6 - T17S - R31E**

E - SW1/4NW1/4 West "B" 73 - 2610' FNL & 1270' FWL Section 4 - T17S - R31E**

Attached is a plat of the Keel - West Waterflood Project showing the project boundaries that are adjacent to the subject wells. Forms 3160 - 3 and C - 102 are attached on eight of the above listed wells. An asterisk denotes these wells. The C - 102 wells are not available on the six remaining wells but this information will be forwarded to you in a few days. The Keel - West Waterflood project is located on federal property and each proposed well is to be part of this active waterflood project.

The above locations do not conform to Rule 104. C. I. because they are located closer than 330' to the governmental quarter - quarter section boundaries. They will be drilled to a depth sufficient to produce the Grayburg - San Andres formation (approximately 4000'). The wells will be drilled at the unorthodox locations in order to prevent waste by developing an efficient production and injection pattern within the Keel - West Waterflood Project, which was approved under Order R - 2268. When fully developed these wells will combine with the existing wells (some of which will eventually be converted to injection) to establish a 40 acre 5 spot waterflood pattern.

Operators that have production in offsetting 40 acre tracts will be notified by certified mail. A copy of this notification to each operator will be sent to you along with the certified mail number. The only wells where notification to offset operators is required are the Keel "A" 18, Keel "B" 58 and Keel "B" 59. The remaining wells listed are offset by wells that are already operated by Socorro Petroleum; therefore, no other notification is necessary.

Should you require any additional information regarding any of these unorthodox locations please notify me at 405-552-4560.

Sincerely,



Randy Jackson
District Engineer

SOCORRO
PETROLEUM
COMPANY

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102

OIL CONSERVATION DIVISION
RECEIVED
405/235-3611
SEP 1 1994
Fax 405/552-4550
Fax 405/552-4552

August 30, 1994

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504 - 2088

Dear Sir:

As required enclosed are the notifications to the operators in the spacing units offsetting the following wells:

Keel "A" 18
1320' FNL & 1100' FWL
Section 7 - T17S - R31E


Keel "B" 58
1300' FSL & 1290' FWL
Section 8 - T17S - R31E

Keel "B" 59
1280' FNL & 1070' FWL
Section 6 - T17S - R31E

All of the above wells are in Eddy County, New Mexico. All of the offsetting operators have been notified by certified mail with the certified letter # noted on each letter. The request for administrative approval for the unorthodox locations were previously submitted to the OCD on August 21, 1994.

If any additional information is required regarding this matter please notify me at 405 - 552 - 4560.

Sincerely,


Randy Jackson
District Engineer

**SOCORRO
PETROLEUM
COMPANY**

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102

405/235-3611
Fax 405/552-4550
Fax 405/552-4552

August 29, 1994

Westhall Operating Company
P. O. Box 4
Loco Hills, New Mexico 88255

Certified Letter #: Z 147 280 856

Dear Sir:

The BLM has issued Socorro Petroleum Company a permit to drill the Keel "B" 59. The proposed well site is within the boundaries of the Keel - West Waterflood Project in Eddy Co. New Mexico and offsets your wells in Unit A of Section 1 - T17S - R30E. Dwights Production Data show that you operate the following well in Unit A of Section 1 - T17S - R30E:

Artesia Petroleum Company #4

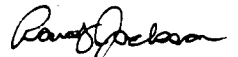
The Keel "B" #59 is located in:

1280' FNL & 1070' FWL
Section 6 - T17S - R31E

The State of New Mexico Oil Conservation Division has ruled that this is a "non - standard location" and requires that we obtain Non - Standard Location Approval from their Santa Fe Office before an allowable will be issued. The NSL approval process requires that we notify offset operators and Submit Proof of Notice. A non - standard location is defined as any location closer than 330' to the outer boundaries of a 40 acre drilling unit. Although this location is considered unorthodox it will not be within 330' of your 40 acre tract as it has been moved to the east and therefore away from your tract.

Please accept this letter as the required notification. If you have any questions regarding this matter please notify me at 405 - 552 - 4560.

Sincerely,


Randy Jackson
District Engineer

cc.

Oil Conservation Division - Santa Fe, New Mexico
Bureau of Land Management - Carlsbad, New Mexico

SOCORRO
PETROLEUM
COMPANY

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102

405/235-3611
Fax 405/552-4550
Fax 405/552-4552

August 29, 1994

W. H. McKinley
P. O. Box 2145
Roswell, New Mexico 88201

Certified Letter #: Z 147 280 859

Dear Sir:

The BLM has issued Socorro Petroleum Company a permit to drill the Keel "B" 59. The proposed well site is within the boundaries of the Keel - West Waterflood Project in Eddy Co. New Mexico and offsets your wells in Unit H of Section 1 - T17S - R30E. Dwights Production Data show that you operate the following well in Unit H of Section 1 - T17S - R30E:

Artesia Petroleum Company #2


The Keel "B" #59 is located in:

1280' FNL & 1070' FWL
Section 6 - T17S - R31E

The State of New Mexico Oil Conservation Division has ruled that this is a "non - standard location" and requires that we obtain Non - Standard Location Approval from their Santa Fe Office before an allowable will be issued. The NSL approval process requires that we notify offset operators and Submit Proof of Notice. A non - standard location is defined as any location closer than 330' to the outer boundaries of a 40 acre drilling unit. Although this location is considered unorthodox it will not be within 330' of your 40 acre tract as it has been moved to the east and therefore away from your tract.

Please accept this letter as the required notification. If you have any questions regarding this matter please notify me at 405 - 552 - 4560.

Sincerely,

A handwritten signature in black ink, appearing to read "Randy Jackson", with a stylized, flowing script.

Randy Jackson
District Engineer

cc.

Oil Conservation Division - Santa Fe, New Mexico
Bureau of Land Management - Carlsbad, New Mexico

**SOCORRO
PETROLEUM
COMPANY**

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102

405/235-3611
Fax 405/552-4550
Fax 405/552-4552

August 29, 1994

MARBOB ENERGY CORP.
11352 Lovington, Highway
Artesia, New Mexico 88210

Certified Letter #: Z 147 280 858

Dear Sir:

The BLM has issued Socorro Petroleum Company a permit to drill the Keel "B" 58. The proposed well site is within the boundaries of the Keel - West Waterflood Project in Eddy Co. New Mexico and offsets your wells in Unit C of Section 17 - T17S - R31E. Dwights Production Data show that you operate the following wells in Unit C of Section 17 - T17S - R31E:

Eddy Foster #6

Eddy Foster #8

The Keel "B" #58 is located in:

1300' FSL & 1290' FWL
Section 8 - T17S - R31E

The State of New Mexico Oil Conservation Division has ruled that this is a "non - standard location" and requires that we obtain Non - Standard Location Approval from their Santa Fe Office before an allowable will be issued. The NSL approval process requires that we notify offset operators and Submit Proof of Notice. A non - standard location is defined as any location closer than 330' to the outer boundaries of a 40 acre drilling unit. Although this location is considered unorthodox it will not be within 330' of your 40 acre tract as it has been moved to the north and therefore away from your tract.

Please accept this letter as the required notification. If you have any questions regarding this matter please notify me at 405 - 552 - 4560.

Sincerely,

A handwritten signature in black ink, appearing to read "Randy Jackson".

Randy Jackson
District Engineer

cc.

Oil Conservation Division - Santa Fe, New Mexico
Bureau of Land Management - Carlsbad, New Mexico

**SOCORRO
PETROLEUM
COMPANY**

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102

405/235-3611
Fax 405/552-4550
Fax 405/552-4552

August 29, 1994

Burnett Oil Company
1500 Interfirst Tower
801 Cherry Street
Fort Worth, Texas 76102

Certified Letter #: Z 147 280 857

Dear Sir:

The BLM has issued Socorro Petroleum Company a permit to drill the Keel "A" 18. The proposed well site is within the boundaries of the Keel - West Waterflood Project in Eddy Co. New Mexico and offsets your wells in Units A and H of Section 12 - T17S - R30E. Dwights Production Data show that you operate the following wells in Units A and H of Section 12 - T17S - R30E:

Jackson "B" Tract 5 - #38 (Unit A)

Grayburg Jackson San Andres Unit #38 (Unit A)

Grayburg Jackson San Andres Unit #48 (Unit H)

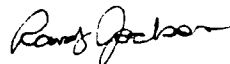
The Keel "A" #18 is located in:

1320' FNL & 1100' FWL
Section 7 - T17S - R31E

The State of New Mexico Oil Conservation Division has ruled that this is a "non - standard location" and requires that we obtain Non - Standard Location Approval from their Santa Fe Office before an allowable will be issued. The NSL approval process requires that we notify offset operators and Submit Proof of Notice. A non - standard location is defined as any location closer than 330' to the outer boundaries of a 40 acre drilling unit. Although this location is considered unorthodox it will not be within 330' of your 40 acre tract as it has been moved to the east and therefore away from your tract.

Please accept this letter as the required notification. If you have any questions regarding this matter please notify me at 405 - 552 - 4560.

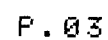
Sincerely,

A handwritten signature in cursive script, appearing to read "Randy Jackson".

Randy Jackson
District Engineer

cc.

Oil Conservation Division - Santa Fe, New Mexico
Bureau of Land Management - Carlsbad, New Mexico



DISTRICT I
P. O. Box 1980
Hobbs, NM 88241-1980

DISTRICT II
P. O. Drawer DD
Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

State of New Mexico
Energy, Minerals, and Natural Resources Department

OIL CONSERVATION DIVISION
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-102
Revised 02-10-94

Instructions on back

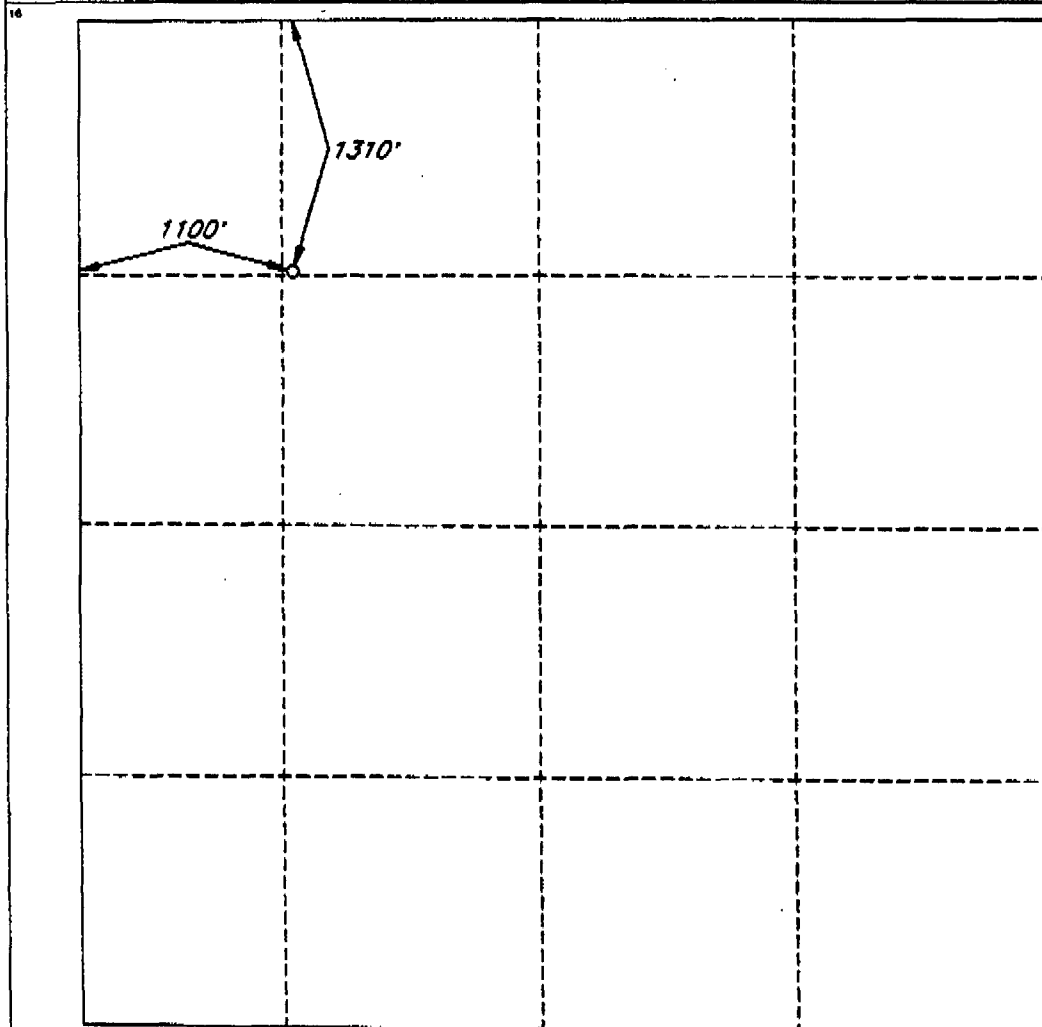
Submit to the Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name					
4 Property Code C		5 Property Name KEEL 'A' FEDERAL						6 Well Number 18	
7 OGRID No.		8 Operator Name SDCORRO PETROLEUM COMPANY						9 Elevation 3732'	
10 SURFACE LOCATION									
UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
	7	17 SOUTH	31 EAST, N.M.P.M.		1310'	NORTH	1100'	WEST	EDDY
11 BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE									
UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres		13 Joint or Infill		14 Consolidation Code		15 Order No.			

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



OPERATOR CERTIFICATION

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

Signature

Printed Name

Title

Date

SURVEYOR CERTIFICATION

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 belief.

Date of Survey
SEPTEMBER 28, 1994

Signature and Seal of Professional Surveyor

V. LYNN BEZNER
NO. 7920
V. LYNN BEZNER AND SONS, INC. #7920
JOB #35485-1-1-96 SE / cls

DISTRICT I
P. O. Box 1980
Hobbs, NM 88241-1980

DISTRICT II
P. O. Drawer DD
Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

State of New Mexico
Energy, Minerals, and Natural Resources Department

Form C-102
Revised 02-10-94
Instructions on back

Submit to the Appropriate
District Office
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OIL CONSERVATION DIVISION

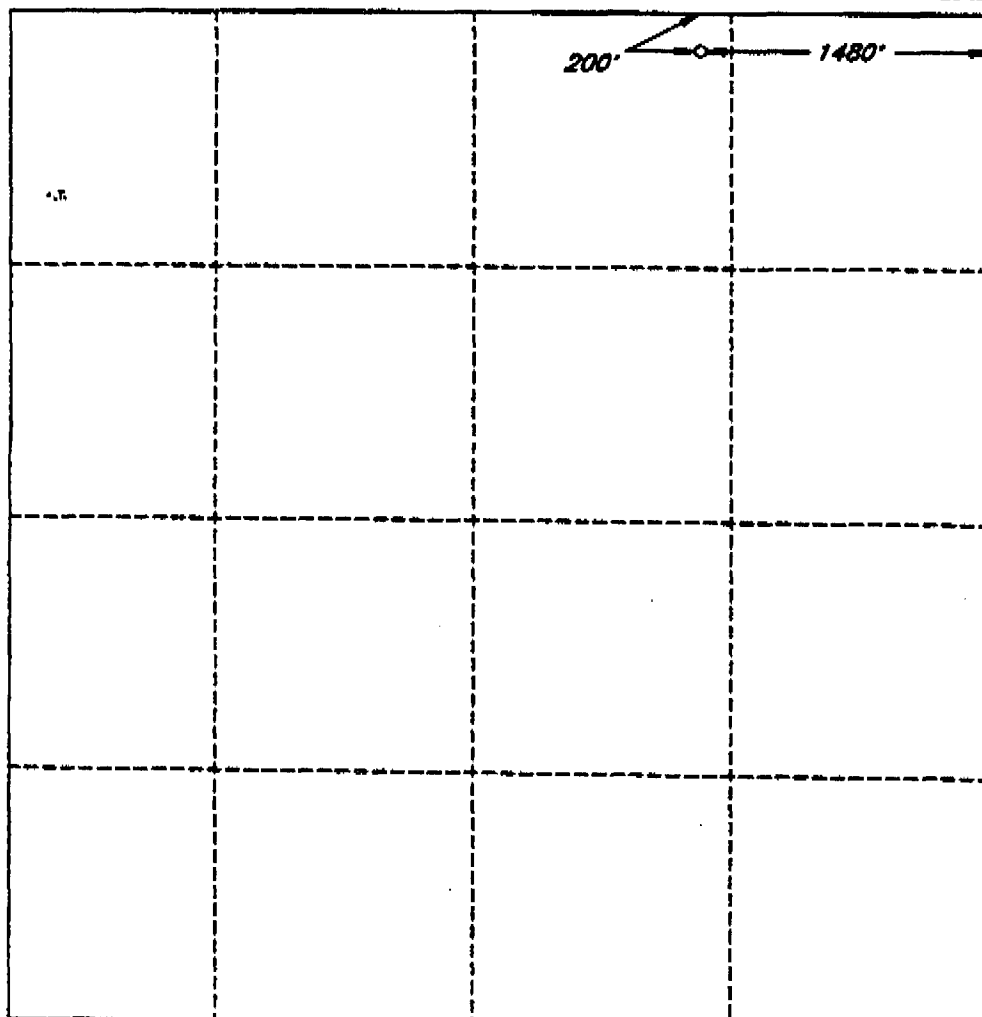
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

* API Number		* Pool Code		* Pool Name					
* Property Code B		* Property Name KEEL 'A' FEDERAL						* Well Number 20	
* OGRID No.		* Operator Name SOCORRO PETROLEUM COMPANY						* Elevation 3761'	
** SURFACE LOCATION									
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
	7	17 SOUTH	31 EAST, N.M.P.M.		200'	NORTH	1480'	EAST	EDDY
"BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE									
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
** Dedicated Acres 40		** Joint or Infill		** Consolidation Code		** Order No.			

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

**OPERATOR CERTIFICATION**

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

Signature

Randy Jackson

Printed Name

RANDY JACKSON

Title

DISTRICT ENGINEER

Date

July 1, 1994

SURVEYOR CERTIFICATION

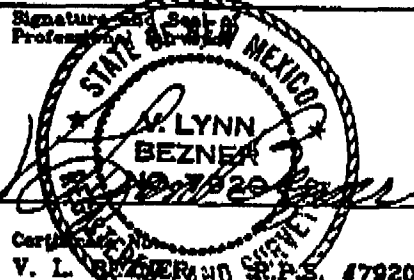
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey

MAY 16, 1994

Signature of Surveyor
Professional

V. L. BEZNER
V. L. BEZNER
V. L. BEZNER S.P.S. #7920
JOB #33100-3-7-48 SE / c/s



DISTRICT I
P. O. Box 1980
Hobbs, NM 88241-1980

DISTRICT II
P. O. Drawer DD
Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

State of New Mexico
Energy, Minerals, and Natural Resources Department

Form C-102
Revised 02-10-94

Instructions on back

Submit to the Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

OIL CONSERVATION DIVISION

P. O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name					
4 Property Code A		5 Property Name KEEL 'A' FEDERAL						6 Well Number 21	
7 OGRID No.		8 Operator Name SOCORRO PETROLEUM COMPANY						9 Elevation 3736'	
* SURFACE LOCATION									
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
	7	17 SOUTH	31 EAST, N.M.P.M.		1310'	NORTH	1310'	EAST	EDDY
" BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE									
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres		13 Joint or Infill		14 Consolidation Code		15 Order No.			

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

OPERATOR CERTIFICATION

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

Signature

Printed Name

Title

Date

SURVEYOR CERTIFICATION

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 belief.

Date of Survey
SEPTEMBER 28, 1994

Signature and Seal of
Professional Surveyor

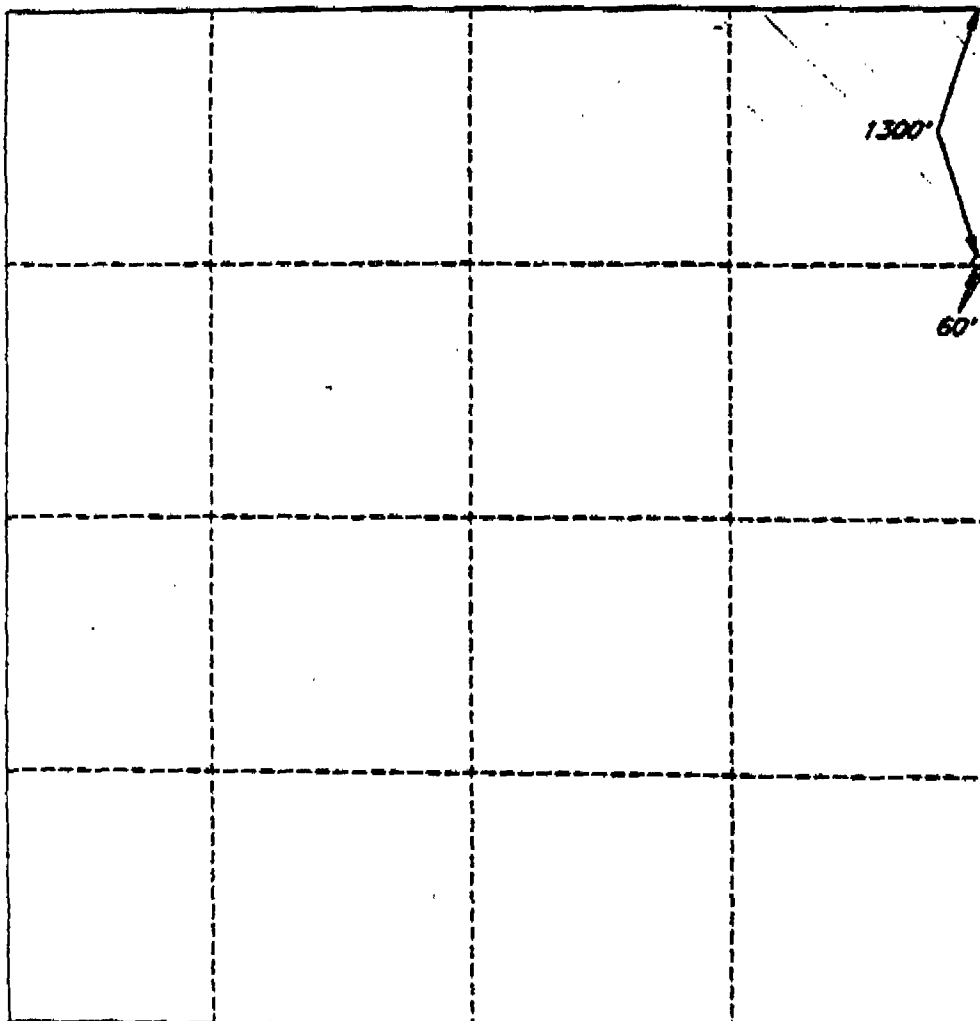
STATE OF NEW MEXICO
V. LYNN BEZNER
NO. 7920
V. LYNN BEZNER, LAND SURVEYOR, #7920
JOB #35185-4-48 SE / cls

State of New Mexico
Energy, Minerals, and Natural Resources DepartmentOIL CONSERVATION DIVISION
P. O. Box 2088
Santa Fe, New Mexico 87504-2088☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

* API Number		* Pool Code		* Pool Name					
* Property Code A		* Property Name KEEL 'A' FEDERAL				* Well Number 22			
* OGRIP No.		* Operator Name SOCORRO PETROLEUM COMPANY				* Elevation 3748'			
* SURFACE LOCATION									
UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
	7	17 SOUTH	31 EAST, N.M.P.M.		1300'	NORTH	60'	EAST	EDDY
"BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE"									
UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
* Dedicated Acres 40		* Joint or Infill		* Consolidation Code		* Order No.			

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



OPERATOR CERTIFICATION

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

Signature

Printed Name

RANDY JACKSON

Title

DISTRICT ENGINEER

Date

6/10/94

SURVEYOR CERTIFICATION

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 belief.

Date of Survey

Signature and Seal of
Professional SurveyorV. LYNN
BEZNER
NO. 7929

V. LYNN BEZNER R.P.S. #7929

JOB #33105-5 / 98SW-SF /

DISTRICT I
P. O. Box 1980
Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals, and Natural Resources Department

Form C-102
Revised 02-10-94
Instructions on back

DISTRICT II
P. O. Drawer DD
Artesia, NM 88211-0719

OIL CONSERVATION DIVISION
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Submit to the Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

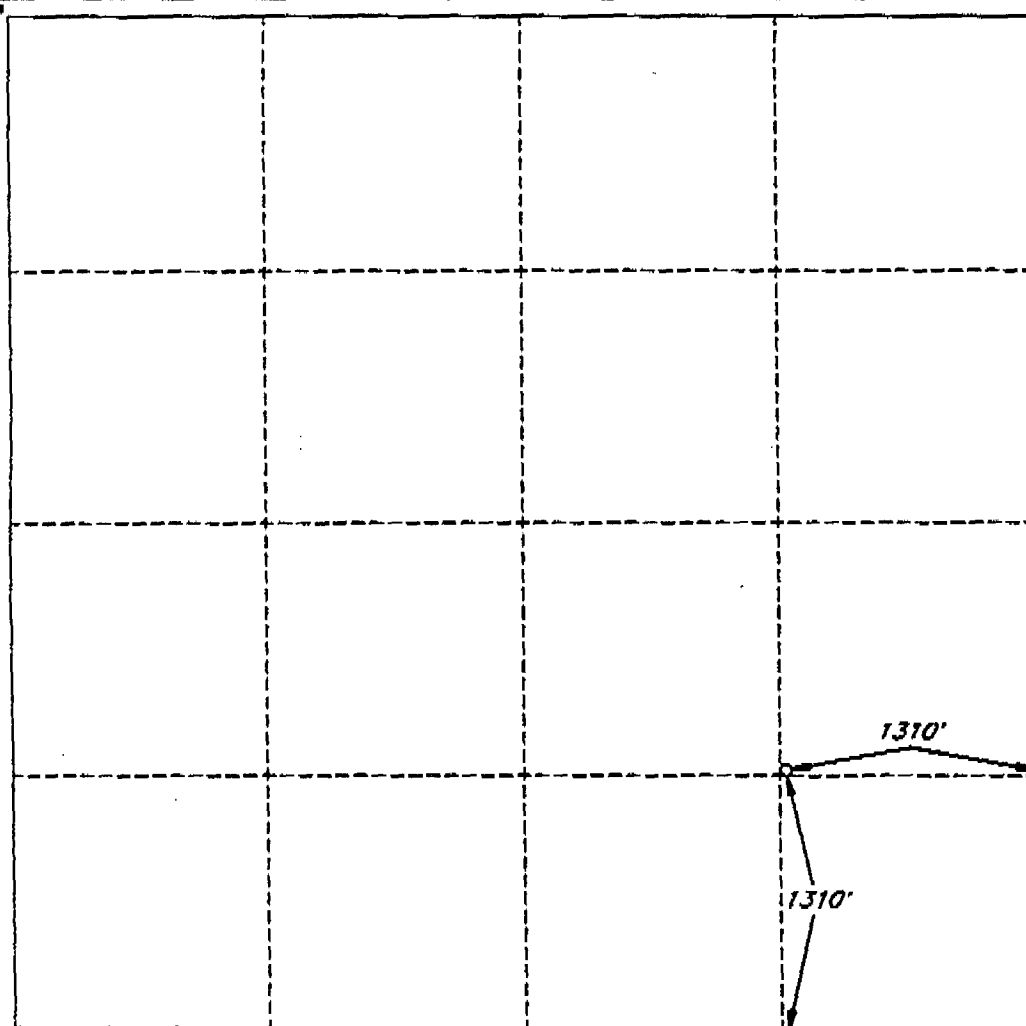
☐ AMENDED REPORT

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name					
4 Property Code I		5 Property Name KEEL 'B' FEDERAL						6 Well Number 50	
7 OGRID No.		8 Operator Name SOCORRO PETROLEUM COMPANY						9 Elevation 3863'	
10 SURFACE LOCATION									
UL or lot no.	Section 5	Township 17 SOUTH	Range 31 EAST, N.M.P.M.	Lot Ida	Feet from the 1310'	North/South line SOUTH	Feet from the 1310'	East/West line EAST	County EDDY
11 BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE									
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres		13 Joint or Infill		14 Consolidation Code		15 Order No.			

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



OPERATOR CERTIFICATION

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

Signature

Printed Name

Title

Date

SURVEYOR CERTIFICATION

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 belief.

Date of Survey
SEPTEMBER 28, 1994

Signature and Seal of
Professional Surveyor

V. LYNN
BEZNER
NO. 7920

V. L. BEZNER AND SURVEYORS
P.S. #7920

JOB #3310510798SE & SW/VHR

DISTRICT I
P. O. Box 1980
Hobbs, NM 88241-1980

DISTRICT II
P. O. Drawer DD
Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

State of New Mexico
Energy, Minerals, and Natural Resources Department

OIL CONSERVATION DIVISION
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-102
Revised 02-10-94
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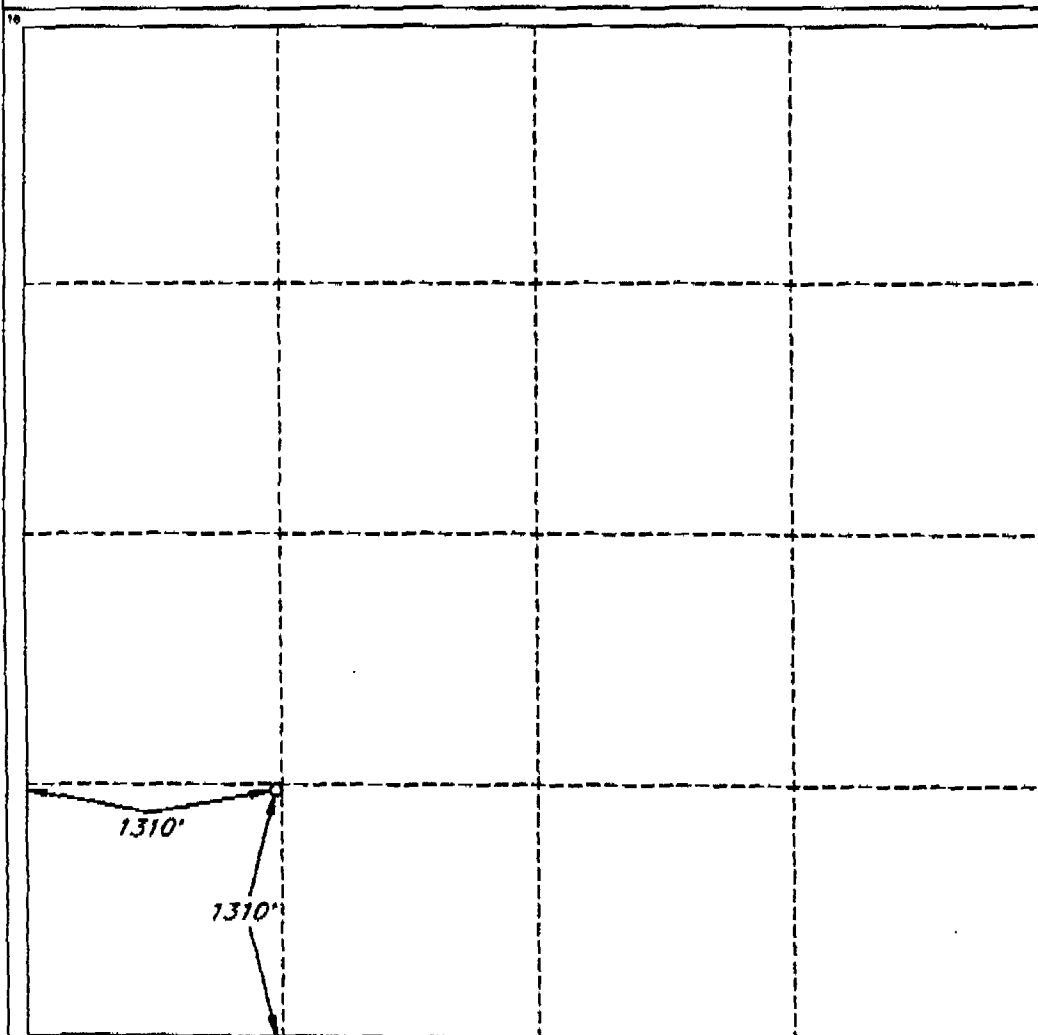
Submit to the Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name					
4 Property Code M		5 Property Name KEEL 'B' FEDERAL						6 Well Number 51	
7 OGRID No.		8 Operator Name SOCORRO PETROLEUM COMPANY						9 Elevation 3790'	
10 SURFACE LOCATION									
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
	5	17 SOUTH	31 EAST, N.M.P.M.		1310'	SOUTH	1310'	WEST	EDDY
11 BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE									
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres		13 Joint or Infill		14 Consolidation Code		15 Order No.			

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



OPERATOR CERTIFICATION

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

Signature

Printed Name

Title

Date

SURVEYOR CERTIFICATION

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 belief.

Date of Survey

SEPTEMBER 28, 1994

Signature and Seal of
Professional Surveyor

STATE OF NEW MEXICO
V. LYNN
BEZNER
NO. 7920
V. LYNN BEZNER, S.S. #7920
JOB #35-85-11-98SE&SW/V.H.B.
TOTAL P.09

DISTRICT I
P. O. Box 1980
Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals, and Natural Resources Department

Form C-102
Revised 02-10-94
Instructions on back

DISTRICT II
P. O. Drower DD
Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Submit to the Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

☐ AMENDED REPORT

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

* API Number		* Pool Code		* Pool Name			
* Property Code 0		* Property Name KEEL 'B' FEDERAL				* Well Number 53	
* OGRID No.		* Operator Name SOCORRO PETROLEUM COMPANY				* Elevation 3740'	

* SURFACE LOCATION

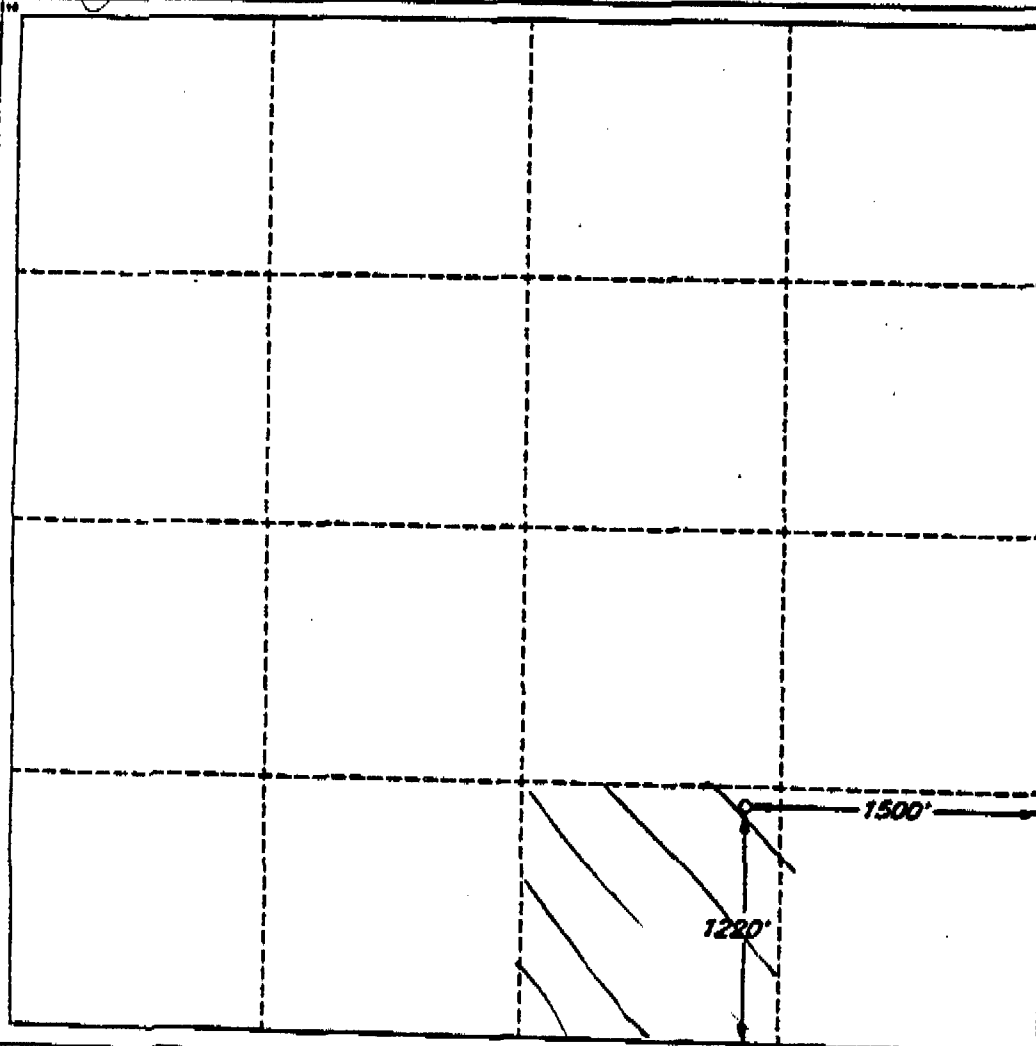
UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
	6	17 SOUTH	31 EAST, N.M.P.M.		1220'	SOUTH	1500'	EAST	EDDY

"BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County

* Dedicated Acres	* Joint or Infill	* Consolidation Code	* Order No.
40			

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



OPERATOR CERTIFICATION

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

Signature

Printed Name

RANDY JACKSON

Title

DISTRICT ENGINEER

Date

July 1, 1994

SURVEYOR CERTIFICATION

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 belief.

Date of Survey

August 4, 1994

Signature and Seal of Professional Surveyor

Certified by
V. L. BEZNAR
P.S. #7920

JOB #33105-13/98SE&SW/V.H.B.

DISTRICT I
P. O. Box 1980
Hobbs, NM 88241-1980

DISTRICT II
P. O. Drawer DD
Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

State of New Mexico
Energy, Minerals, and Natural Resources Department

OIL CONSERVATION DIVISION

P. O. Box 2088
Santa Fe, New Mexico 87504-2088

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WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name					
4 Property Code D		5 Property Name KEEL 'B' FEDERAL						6 Well Number 54	
7 OGRID No.		8 Operator Name SOCORRO PETROLEUM COMPANY						9 Elevation 3765'	
10 SURFACE LOCATION									
UL or lot no.	Section 8	Township 17 SOUTH	Range 31 EAST, N.M.P.M.	Lot 1/4	Feet from the 10'	North/South line NORTH	Feet from the 110'	East/West line WEST	County EDDY
11 BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE									
UL or lot no.	Section	Township	Range	Lot 1/4	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.			
16 NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION									

OPERATOR CERTIFICATION

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

Signature

Randy Jackson
Printed Name

RANDY JACKSON

Title

DISTRICT ENGINEER

Date

6/15/94

SURVEYOR CERTIFICATION

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 belief.

Date of Survey

JUN 15 1994

Signature and Seal of
Professional Surveyor

V. LYNN
BEZNER
NO. 7920

Certification

V. L. BEZNER R.P.S. #7920

JOB #33105-14 / 98SW-SE c/s

DISTRICT I
P. O. Box 1980
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State of New Mexico
Energy, Minerals, and Natural Resources Department

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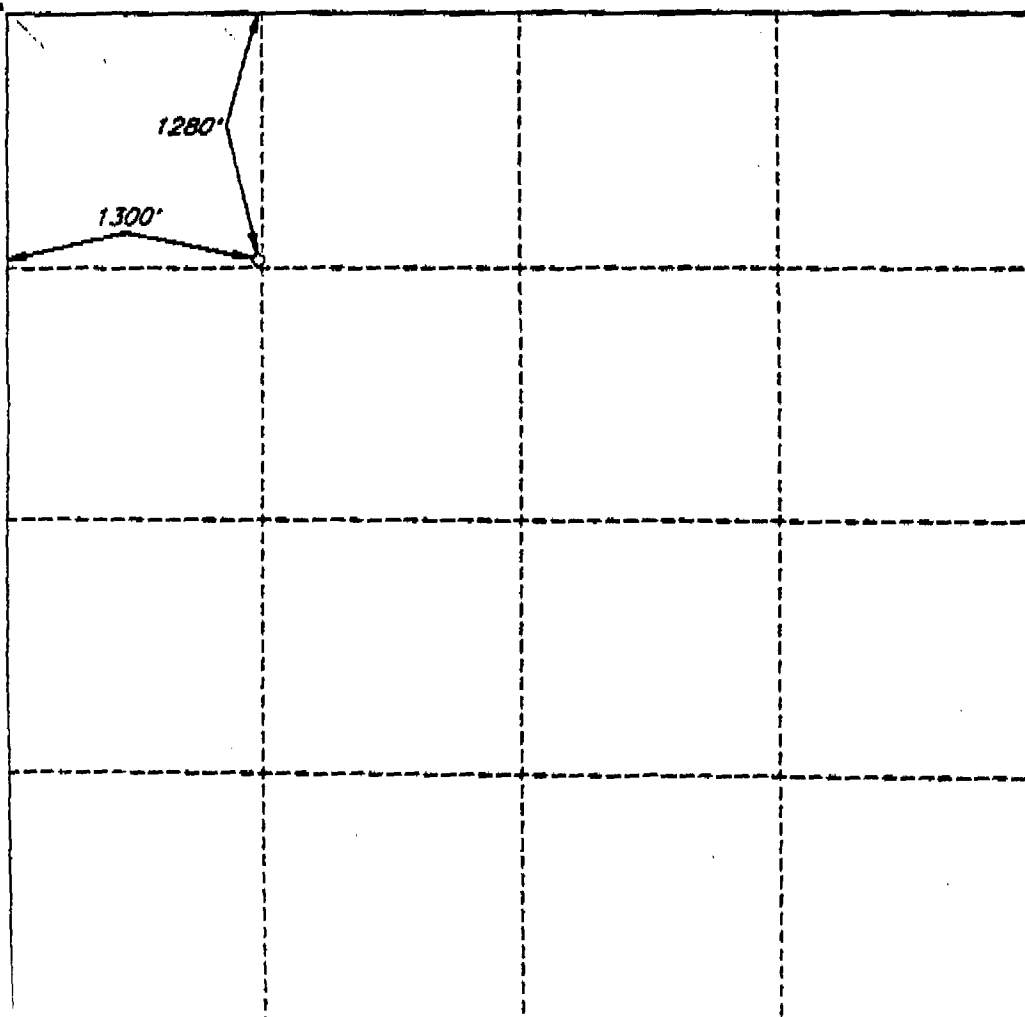
DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

* API Number		* Pool Code		* Pool Name					
* Property Code D		* Property Name KEEL 'B' FEDERAL				* Well Number 56			
* OGRD No.		* Operator Name SOCORRO PETROLEUM COMPANY				* Elevation 3747'			
* SURFACE LOCATION									
UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
	8	17 SOUTH	31 EAST, N.M.P.M.		1280'	NORTH	1300'	WEST	EDDY
"BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE									
UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
* Dedicated Acres 40		* Joint or Infill		* Consolidation Code		* Order No.			

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



OPERATOR CERTIFICATION

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

Signature

Randy Jackson

Printed Name

RANDY JACKSON

Title

DISTRICT ENGINEER

Date

6/15/94

SURVEYOR CERTIFICATION

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 belief.

Date of Survey

Signature and Seal of
Professional Surveyor

V. LYNN
BEZNER
NO. 7920

V. L. BEZNER R.P.S. #7920

JOB #33105-16 / 98SW-CF

DISTRICT I
P. O. Box 1980
Hobbs, NM 88241-1980

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Department of Energy, Minerals, and Natural Resources

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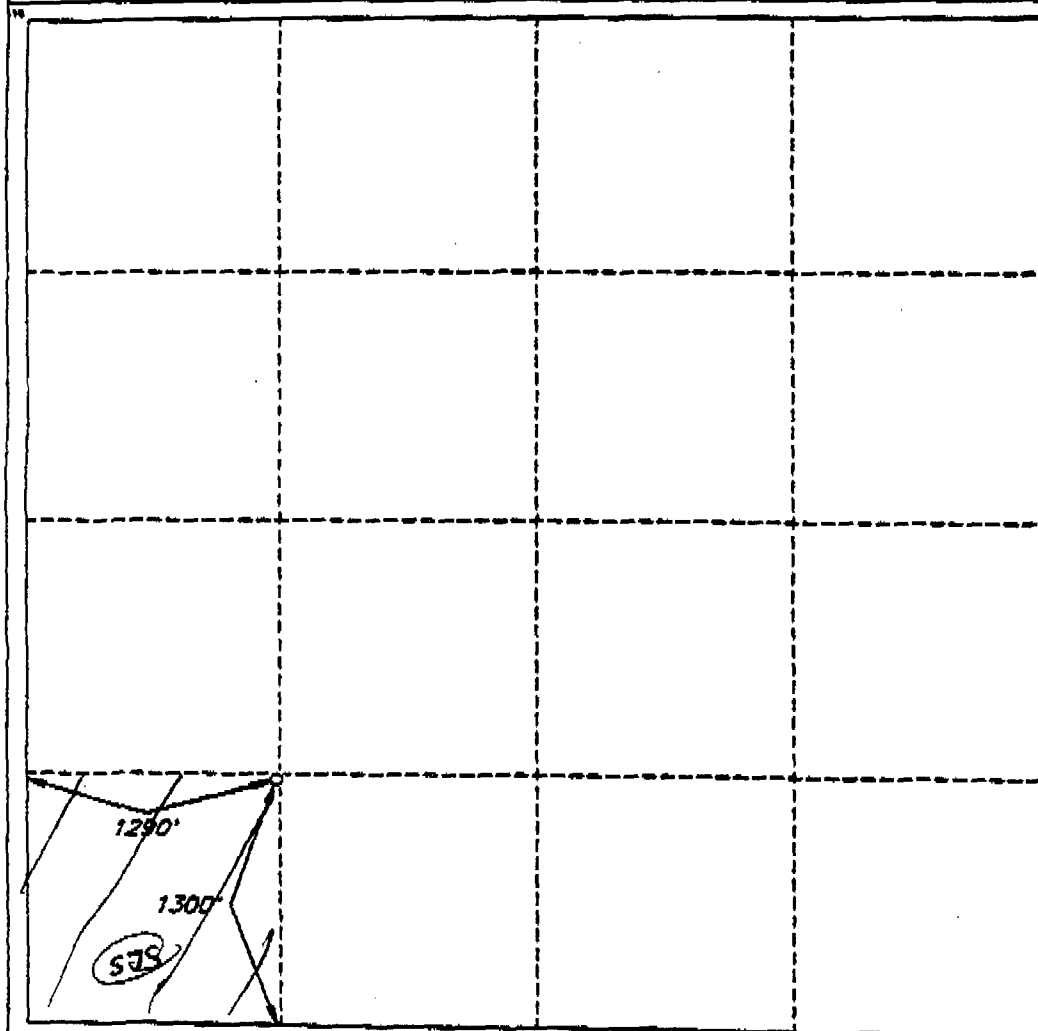
DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

* API Number		* Pool Code		* Pool Name					
* Property Code M		* Property Name KEEL 'B' FEDERAL				* Well Number 58			
* OGRID No.		* Operator Name SOCORRO PETROLEUM COMPANY				* Elevation 3718'			
* SURFACE LOCATION									
UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
	8	17 SOUTH	31 EAST, N.M.P.M.		1300'	SOUTH	1290'	WEST	EDDY
* BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE									
UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
* Dedicated Acres 40		* Joint or Infill		* Consolidation Code		* Order No.			

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



OPERATOR CERTIFICATION

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

Signature

Randy Jackson

Printed Name

RANDY JACKSON

Title

DISTRICT ENGINEER

Date

6/15/94

SURVEYOR CERTIFICATION

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 belief.

Date of Survey

6/15/94

Signature and Seal of

Professional Surveyor

V. LYNN

BEZNER

NO. 7920

V. L. BEZNER

R.P.S. #7920

JOB #33105-18 / 0800

DISTRICT I
P. O. Box 1980
Hobbs, NM 88241-1980

DISTRICT II
P. O. Drawer DD
Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

DISTRICT IV
P. O. Box 2088
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Energy Minerals, and Natural Resources Department

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

* API Number	* Pool Code	* Pool Name
* Property Code D	* Property Name KEEL 'B' FEDERAL	* Well Number 59
* OGRD No.	* Operator Name SOCORRO PETROLEUM COMPANY	* Elevation 3791'

" SURFACE LOCATION

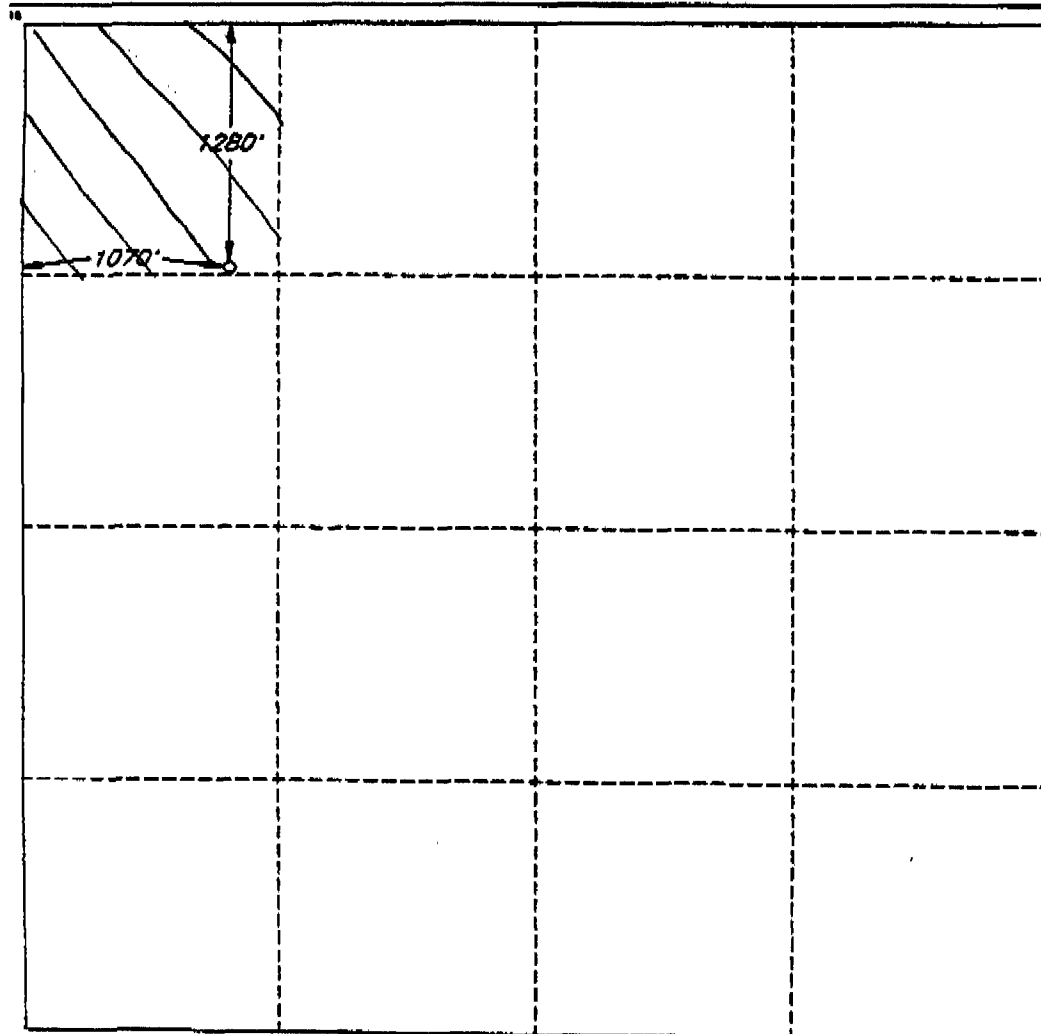
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
	6	17 SOUTH	31 EAST, N.M.P.M.		1280'	NORTH	1070'	WEST	EDDY

" BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County

* Dedicated Acres 40	* Joint or Infill	* Consolidation Code	* Order No.
-------------------------	-------------------	----------------------	-------------

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



OPERATOR CERTIFICATION

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

Signature

Randy Jackson
Printed Name

RANDY JACKSON

Title

DISTRICT ENGINEER

Date

6/15/94

SURVEYOR CERTIFICATION

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 belief.

Date of Survey

MAY 13, 1994

Signature and Seal
Professional Surveyor

V. Lynn Bezner
V. LYNN BEZNER
NO. 7920
Certification No.
V. L. BEZNER
JOB #33105-1979852SW/V.H.B.

DISTRICT I
P. O. Box 1980
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Energy, Minerals, and Natural Resources Department

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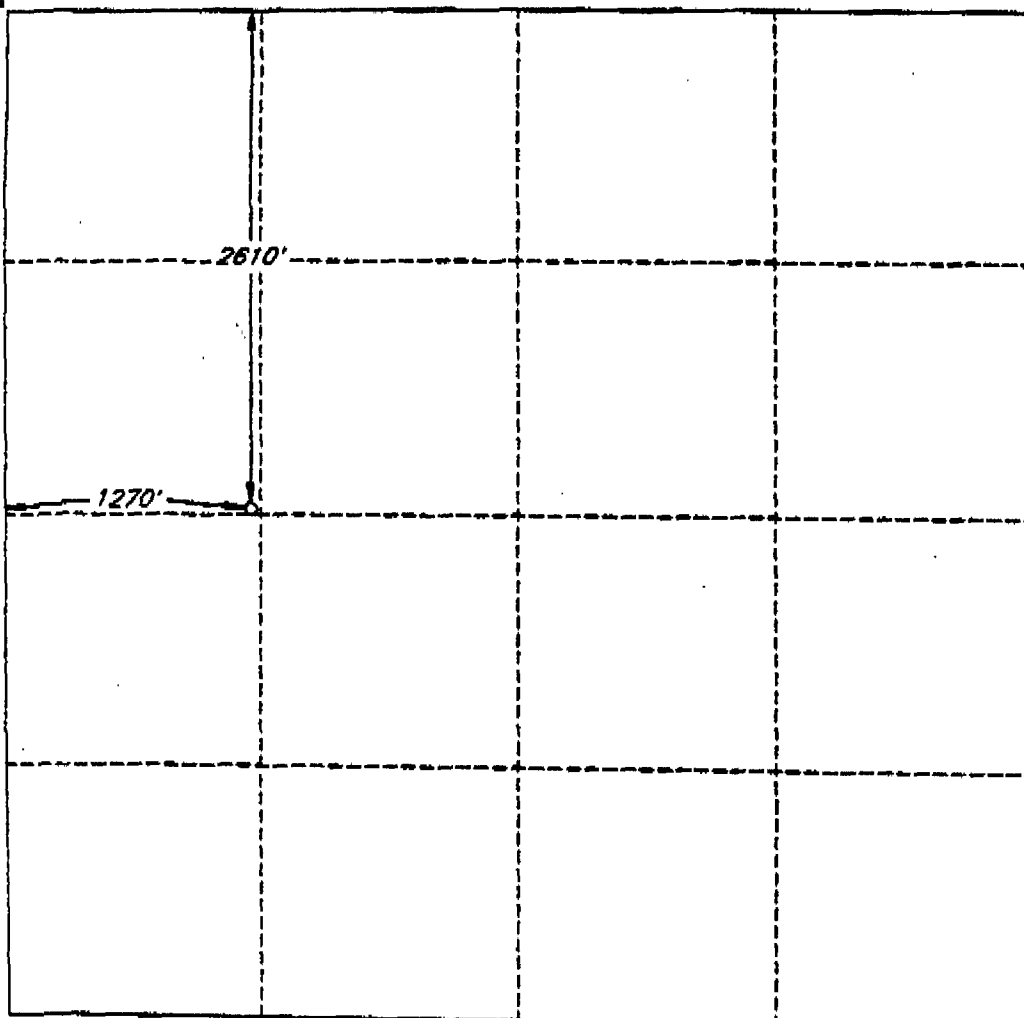
DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

* API Number		* Pool Code		* Pool Name					
* Property Code E		* Property Name WEST 'B' FEDERAL				* Well Number 73			
* OGRID No.		* Operator Name SOCORRO PETROLEUM COMPANY				* Elevation 3917'			
* SURFACE LOCATION									
UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
	4	17 SOUTH	31 EAST, N.M.P.M.		2610'	NORTH	1270'	WEST	EDDY
"BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE									
UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
* Dedicated Acres 40		* Joint or Infill		* Consolidation Code		* Order No.			

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

**OPERATOR CERTIFICATION**

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

Signature

Randy Jackson

Printed Name

RANDY JACKSON

Title

DISTRICT ENGINEER

Date

6/16/94

SURVEYOR CERTIFICATION

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 belief.

Date of Survey

NO. 7920

Signature and Seal of Professional Surveyor

V. LYNN BEZNER
NO. 7920
V. L. BEZNER - P.S. #7920
JOB #33150-25/98SE&SW/V.H.B.

TOTAL P.07

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE
(Only instructions on
Form 1004-0136)

Form approved
Budget Bureau No. 1004-0136
Expires: December 31, 1991

OPERATOR'S COPY

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Socorro Petroleum Company

Attn: Jo Ann Hooks

3. ADDRESS AND TELEPHONE

20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

2000 FNL & 1480' FEL

At proposed prod. zone

Same

NON-
STANDARD
LOCATION...

SUBJECT TO
LIKE APPROVAL
BY STATE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

4 MILES EAST AND 4 MILES NORTH OF LOCO HILLS, N.M.

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to deepest drg. unit line, if any)

100'

16. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1000'

17. NO. OF ACRES IN LEASE

606.92

18. PROPOSED DEPTH

4000'

19. NO. OF ACRES ASSIGNED
TO THIS WELL

20-40

20. ROZARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DT, RT, GR, etc.)

3761'

22. APPROX. DATE WORK WILL START*

July 15, 1994

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASELINE OPENING	WEIGHT PER FOOT	CUTTING DEPTH	QUANTITY OF CEMENT
17 1/2"	14"		60'	Cemented with redmix to surface.
12 1/4"	8 5/8" J-55 ERM,	24 ppf	550'	125 sks lite + 220 sks Class 'C'
	FBN ST&C R-8			cellophane flakes.
7 7/8"	5 1/2", J-55, ST&C	15 1/2 ppf	0-TD	Cemented to surface with 475 sks 35.65
	seamless			(Poz:Class C) 6% gel + 10% salt + 1/4 lb/sk

* We plan to circulate cement to surface on all casing strings.

Socorro Petroleum Company proposes to drill to 4000' to test the Grayburg-Jackson formation for commercial quantities of oil. If the Grayburg-Jackson is deemed non-commercial, the wellbore will be plugged and abandoned per Federal regulations. Programs to adhere to onshore oil and gas regulations are outlined in the following exhibits and attachments.

Drilling Program

Surface Use and Operating Plan

Exhibits #1/1-A = Blowout Prevention Equipment

Exhibit #2 = Location and Elevation Plat

Exhibit #3/3-A = Road Map and Topo Map

Exhibit #4 = Wells Within 1 Mile Radius

Exhibit #5 = Production Facilities Plat

Exhibit #6 = Rotary Rig Layout

Exhibit #7 = Casing Design

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 prevention program, if any.

24.

Randy Jackson

SIGNED

TITLE

District Engineer

DATE

MAY 27, 1994

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

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:

APPROVED BY

TITLE

AREA MANAGER

DATE

8/14/94

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes 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

5. LEASE DESIGNATION AND SERIAL NO.

LC-029435-A

6. IF INDIAN, ALLOTED OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

8. NAME OR LEASE NAME WELL NO

Keel "A" #20

9. API WELL NO

10. FIELD AND POOL OR WILDCAT

Grayburg-Jackson

11. SEC. T. R. M., OR DLE,
AND SURVEY OR AREA

Section 7 -T17S-R31E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

DISTRICT I
P. O. Box 1980
Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals, and Natural Resources Department

Form C-102
Revised 02-10-94
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DISTRICT II
P. O. Drawer DD
Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Submit to the Appropriate
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☐ AMENDED REPORT

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name			
4 Property Code B		5 Property Name KEEL 'A' FEDERAL				6 Well Number 20	
7 OGRID No.		8 Operator Name SOCORRO PETROLEUM COMPANY				9 Elevation 3761'	

10 SURFACE LOCATION

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
	7	17 SOUTH	31 EAST, N.M.P.M.		200'	NORTH	1480'	EAST	EDDY

11 BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE

UL or lot no.	Section	Township	Range	Lot Ida	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 WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

OPERATOR CERTIFICATION

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

Signature

Printed Name

RANDY JACKSON

Title

DISTRICT ENGINEER

Date

July 1, 1994

SURVEYOR CERTIFICATION

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 belief.

Date of Survey

MAY 18, 1994

Signature and Seal of Professional Surveyor

V. LYNN BEZNER
No. 7920
Certification No. 7920
V. L. BEZNER S.P.S. #7920
JOB #33185-37-48 SE / cls

OPERATOR'S COPY

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

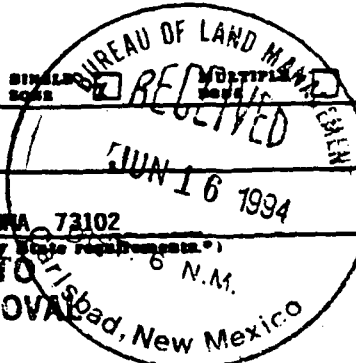
SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved
Budget Bureau No. 1004-0136
Expires: December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐



2. NAME OF OPERATOR
Socorro Petroleum Company Attn: Jo Ann Hooks

3. ADDRESS AND TELEPHONE NO.
20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface

1300' FNL & 60' FEE
At proposed prod. zone
SAME

NON-STANDARD LOCATION...

...SUBJECT TO FEDERAL LINE APPROVAL BY STATE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
4-MILES EAST AND 4 MILES NORTH OF LOCO HILLS, N.M.

16. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest Grig. Unit line, if any)
60'

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
900'

21. ELEVATIONS (Show whether DT, RT, GR, etc.)
3746'

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING OR CEMENT	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	14"		60'	Cemented with redimix to surface.
12 1/4"	8 5/8" J-55 ERW,	24 ppf	550'	125 sks lite + 220 sks Class 'C' cellophane flakes.
7 7/8"	FBN ST&C R-8 5 1/2", J-55, ST&C seamless	15 1/2 ppf	0-TD	Cemented to surface with 475 sks 35.65 (Poz:Class C) 6% gel + 10% salt + 1/4 lb/sk cellophane flakes and 475 sks Class C + 2% gel + fluid loss additive + 1/4 lb/sk cellophane flakes.

* We plan to circulate cement to surface on all casing strings.

Socorro Petroleum Company proposes to drill to 4000' to test the Grayburg-Jackson formation for commercial quantities of oil. If the Grayburg-Jackson is deemed non-commercial, the wellbore will be plugged and abandoned per Federal regulations. Programs to adhere to onshore oil and gas regulations are outlined in the following exhibits and attachments.

Drilling Program

Surface Use and Operating Plan

- Exhibits #1/1-A = Blowout Prevention Equipment
- Exhibit #2 = Location and Elevation Plat
- Exhibit #3/3-A = Road Map and Topo Map
- Exhibit #4 = Wells Within 1 Mile Radius
- Exhibit #5 = Production Facilities Plat
- Exhibit #6 = Rotary Rig Layout
- Exhibit #7 = Casing Design

The undersigned accepts all applicable terms, condition, stipulations and restrictions concerning operations conducted on the leased land or portions thereof, as described below:

Lease #: LC-029435-A
Legal Description: Section 7 -T17S-31E
Formation: Grayburg-Jackson
Bond Coverage: Nationwide
BLM Bond #: PENDING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 Randy Jackson TITLE District Engineer DATE May 27, 1994

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would enable the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Richard H. Mann TITLE AREA MANAGER

DATE 7/20/94

*See Instructions On Reverse Side

DISTRICT I
P. O. Box 1980
Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals, and Natural Resources Department

Form C-162
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DISTRICT II
P. O. Drawer DD
Artesia, NM 88211-0719

OIL CONSERVATION DIVISION
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Submit to the Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

☐ AMENDED REPORT

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name			
4 Property Code A		5 Property Name KEEL 'A' FEDERAL				6 Well Number 22	
7 OGRID No.		8 Operator Name SOCORRO PETROLEUM COMPANY				9 Elevation 3746'	

10 SURFACE LOCATION

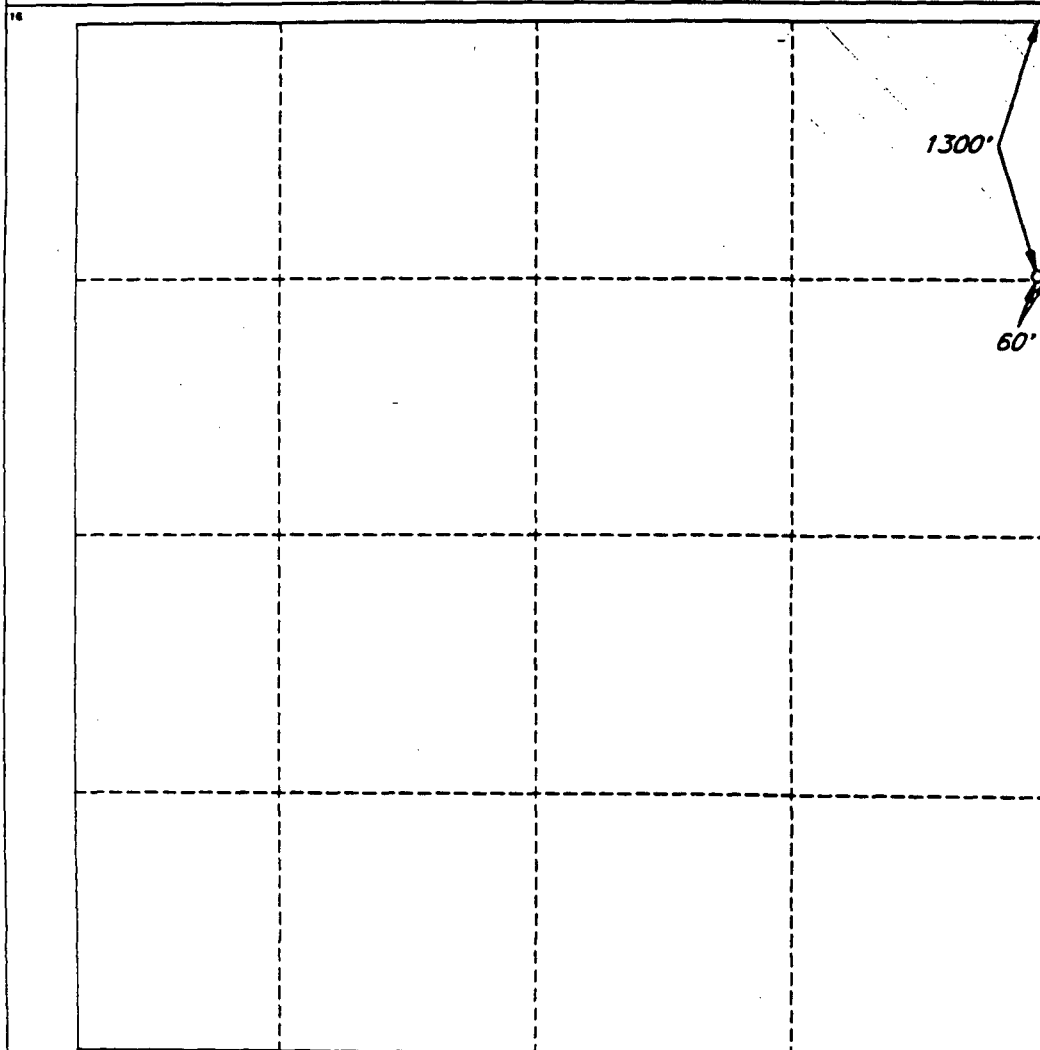
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
	7	17 SOUTH	31 EAST, N.M.P.M.		1300'	NORTH	60'	EAST	EDDY

"BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE

UL or lot no.	Section	Township	Range	Lot Ida	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 WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

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

Signature

Printed Name

RANDY JACKSON

Title

DISTRICT ENGINEER

Date

6/10/94

SURVEYOR CERTIFICATION

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 belief.

Date of Survey

Signature and Seal of Professional Surveyor

V. LYNN
BEZNER
NO. 7920

V. L. BEZNER R.P.S. #7920

JOB #33105-5 / 98SW-SE / cfs

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBJECT IN TRIPLICATE
(Other instructions on reverse side)

Form approved
Budget Bureau No. 1004-0136
Expires: December 31, 1991

APPLICATION FOR PERMIT TO DRILL OPERATIONS COPY

1A. TYPE OF WORK

DRILL ☒

DEEPEN ☐

B. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER ☐

2. NAME OF OPERATOR

Socorro Petroleum Company

Attn: Jo Ann Hooks

Phone No. (405) 552-4560

3. ADDRESS AND TELEPHONE

20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations.)

At surface

1220' FSL & 1500' FEL

At proposed prod. zone SJS
SAME

Non-
standard
location...

SUBJECT TO
LIKE APPROVAL
BY STATE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

4 MILES EAST AND 4 MILES NORTH OF LOCO HILLS, N.M.

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

1320'

(Also to nearest drg. unit line, if any)

16. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

1000'

17. NO. OF ACRES IN LEASE

1885.0'

18. PROPOSED DEPTH

4000'

19. NO. OF ACRES ASSIGNED TO THIS WELL

20' 40' SJS

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DY, RT, GR, etc.)

3740'

22. APPROX. DATE WORK WILL START

July 15, 1994

23. PROPOSED Casing and Cementing Program

SIZE OF HOLE	CASE SIZE OF Casing	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	14"		60'	Cemented with redmix to surface.
12 1/4"	8 5/8" J-55 ERM,	24 ppf	550'	125 sks lite + 220 sks Class 'C'
	FDN ST&C R-8			cellophane flakes.
7 7/8"	5 1/2" J-55, ST&C	15 1/2 ppf	0-TD	Cemented to surface with 475 sks 35.65
	seamless			(Poz:Class C) 6% gel + 10% salt + 1/4 lb/sk cellophane flakes and 475 sks Class C + 2% gel + fluid loss additive + 1/4 lb/sk cellophane flakes.

* We plan to circulate cement to surface on all casing strings.

Socorro Petroleum Company proposes to drill to 4000' to test the Grayburg-Jackson formation for commercial quantities of oil. If the Grayburg-Jackson is deemed non-commercial, the wellbore will be plugged and abandoned per Federal regulations. Programs to adhere to onshore oil and gas regulations are outlined in the following exhibits and attachments.

Drilling Program

Surface Use and Operating Plan

- Exhibits #1/1-A = Blowout Prevention Equipment
- Exhibit #2 = Location and Elevation Plat
- Exhibit #3/3-A = Road Map and Topo Map
- Exhibit #4 = Wells Within 1 Mile Radius
- Exhibit #5 = Production Facilities Plat
- Exhibit #6 = Rotary Rig Layout
- Exhibit #7 = Casing Design

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 prevention program, if any.

24.

Randy Jackson

SIGNED Randy Jackson

TITLE District Engineer

DATE May 27, 1994

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

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:

APPROVED BY Scott Power

Acting
AREA MANAGER

TITLE

DATE

9/1/94

*See Instructions On Reverse Side

DISTRICT I
P. O. Box 1980
Hobbs, NM 88241-1980

DISTRICT II
P. O. Drower DD
Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

State of New Mexico
Energy, Minerals, and Natural Resources Department

Form C-102
Revised 02-10-94
Instructions on back

Submit to the Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

OIL CONSERVATION DIVISION

P. O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

* API Number		* Pool Code		* Pool Name			
* Property Code 0		* Property Name KEEL 'B' FEDERAL				* Well Number 53	
* OGRID No.		* Operator Name SOCORRO PETROLEUM COMPANY				* Elevation 3740'	

" SURFACE LOCATION

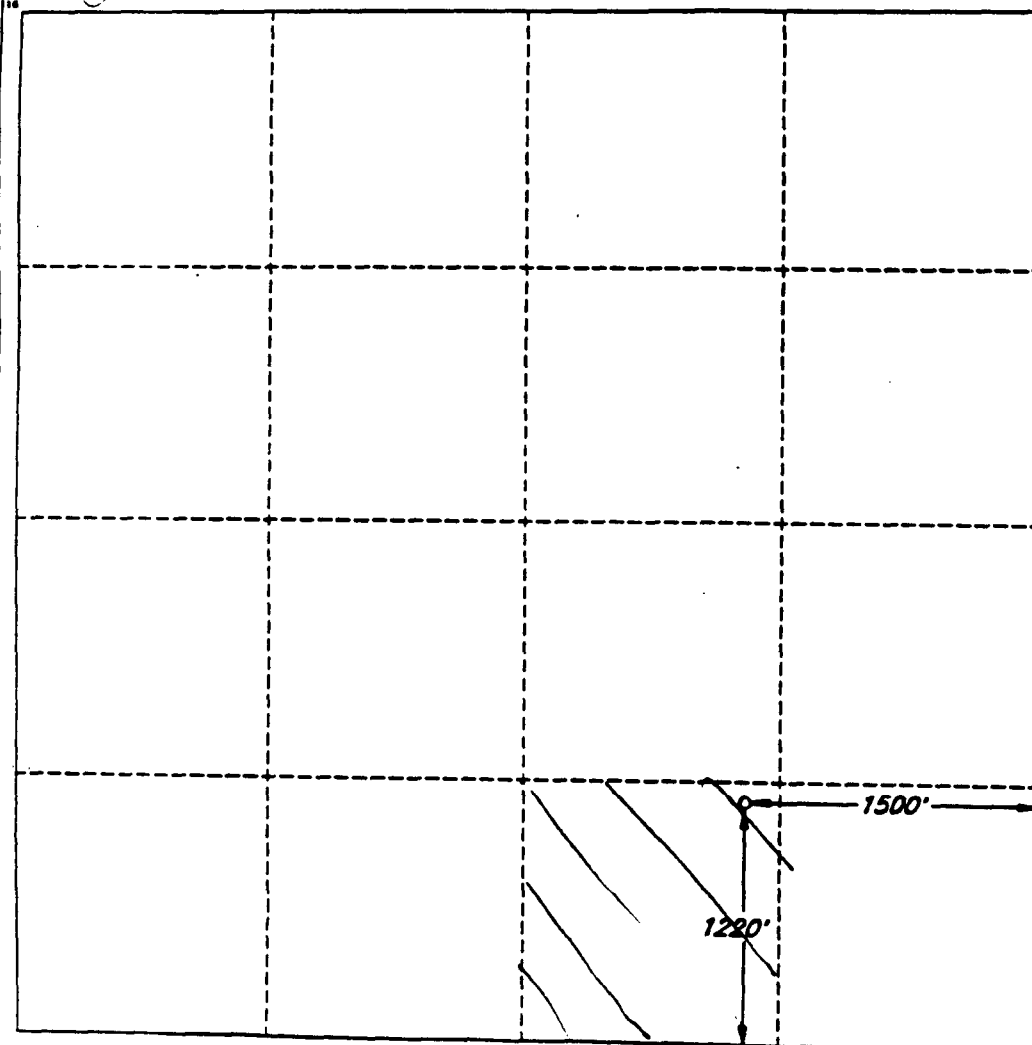
UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
	6	17 SOUTH	31 EAST, N.M.P.M.		1220'	SOUTH	1500'	EAST	EDDY

" BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County

* Dedicated Acres 40	* Joint or Infill	* Consolidation Code	* Order No.
-------------------------	-------------------	----------------------	-------------

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



OPERATOR CERTIFICATION

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

Signature

Randy Jackson

Printed Name

RANDY JACKSON

Title

DISTRICT ENGINEER

Date

July 1, 1994

SURVEYOR CERTIFICATION

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 belief.

Date of Survey

June 24, 1994

Signature and Seal of Professional Surveyor

V. Lynn Bezner
V. LYNN BEZNER
NO. 7920

Certified True Copy

V. L. BEZNER AND SURVEYORS P.S. #7920

JOB #33105-13/98SE&SW/V.H.R

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

OPERATOR'S COPY
SUBMIT IN TRIPPLICATE

Form approved
Budget Bureau No. 1074-0136
Expires: December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1A. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		6. LEASE DESIGNATION AND SERIAL NO. LC-029435-B	
B. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		8. IF INDIAN, ALLOTTEE OR TRIBE NAME NA	
2. NAME OF OPERATOR Socorro Petroleum Company		7. UNIT AGREEMENT DATE	
Attn: Jo Ann Hooks			
3. ADDRESS AND TELEPHONE NO. 20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102		9. NAME OF LEASE NAME WELL NO. Keel "B" # 54	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 10' FNL & 110' FNL At proposed prod. zone SAME		10. FIELD AND POOL OR WILDCAT Grayburg-Jackson	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 4 MILES EAST AND 4 MILES NORTH OF LOCO HILLS, N.M.		11. SEC., T., R., N., OR S.E. AND SURVEY OR AREA Section 8 - T17S-R31E	
16. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any) 110'	18. NO. OF ACRES IN LEASE 1885.0	17. NO. OF ACRES ASSIGNED TO THIS WELL 20-40 (SJS)	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 900'	19. PROPOSED DEPTH 4000'	20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3765'		22. APPROX. DATE WORK WILL START July 15, 1994	

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	CASING OR CEMENT	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	14"		60'	Cemented with redmix to surface.
12 1/2"	8 5/8" J-55 ERI, FBN ST&C R-8	24 ppf	550'	125 sks lite + 220 sks Class 'C' cellophane flakes.
7 7/8"	5 1/2" J-55, ST&C seamless	15 1/2 ppf	0-TD	Cemented to surface with 475 sks 35.65 (Poz:Class C) 6% gel + 10% salt + 1/4 lb/sk cellophane flakes and 475 sks Class C + 2% gel + fluid loss additive + 1/4 lb/sk cellophane flakes.

* We plan to circulate cement to surface on all casing strings. Socorro Petroleum Company proposes to drill to 4000' to test the Grayburg-Jackson formation for commercial quantities of oil. If the Grayburg-Jackson is deemed non-commercial, the wellbore will be plugged and abandoned per Federal regulations. Programs to adhere to onshore oil and gas regulations are outlined in the following exhibits and attachments.

Drilling Program

Surface Use and Operating Plan

- Exhibits #1/1-A = Blowout Prevention Equipment
- Exhibit #2 = Location and Elevation Plat
- Exhibit #3/3-A = Road Map and Topo Map
- Exhibit #4 = Wells Within 1 Mile Radius
- Exhibit #5 = Production Facilities Plat
- Exhibit #6 = Rotary Rig Layout
- Exhibit #7 = Casing Design

ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or open directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

The undersigned accepts all applicable terms, condition, stipulations and restrictions concerning operations conducted on the leased land or portions thereof, as described below:

Lease #: LC-029435-B
Legal Description: Section 8 -T17S-31E
Formation: Grayburg-Jackson
Bond Coverage: Nationwide
BLM Bond #: PENDING

SIGNED Randy Jackson TITLE District Engineer DATE May 27, 1994

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
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:

APPROVED BY Scott Powrie TITLE Acting AREA MANAGER DATE 8/25/94

*See Instructions On Reverse Side

DISTRICT I
P. O. Box 1980
Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals, and Natural Resources Department

Form C-102
Revised 02-10-94
Instructions on back

DISTRICT II
P. O. Drawer DD
Artesia, NM 88211-0719

OIL CONSERVATION DIVISION
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Submit to the Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name	
4 Property Code D		5 Property Name KEEL 'B' FEDERAL			6 Well Number 54
7 OGRID No.		8 Operator Name SOCORRO PETROLEUM COMPANY			9 Elevation 3765'

10 SURFACE LOCATION

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
	8	17 SOUTH	31 EAST, N.M.P.M.		10'	NORTH	110'	WEST	EDDY

11 BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE

UL or lot no.	Section	Township	Range	Lot Ida	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 WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

10'	10'		

OPERATOR CERTIFICATION

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

Signature

Randy Jackson

Printed Name

RANDY JACKSON

Title

DISTRICT ENGINEER

Date

6/15/94

SURVEYOR CERTIFICATION

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 belief.

Date of Survey

MAY 1994

Signature and Seal of Professional Surveyor

V. LYNN
BEZNER

NO. 7920

Certified to be a true and correct copy of the original

V. L. BEZNER R.P.S. #7920

JOB #33105-14 / 98SW-SE c/s

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OPERATOR'S COPY

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐
b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐
2. NAME OF OPERATOR
Socorro Petroleum Company Attn: Jo Ann Hooks Phone No. (405) 5524560

3. ADDRESS AND TELEPHONE NO.
20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102-1212

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements*)
At surface
1280' FNL & 1300' FNL
At proposed prod. zone
SAME
NON-STANDARD LOCATION. SUBJECT TO LIKE APPROVAL BY STATE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
4 MILES EAST AND 4 MILES NORTH OF LOCO HILLS, N.M.

16. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drg. unit line, if any)
1300'

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
950'

21. ELEVATIONS (Show whether DT, RT, OR, etc.)
3747'

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SPECIFICATIONS	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	14"		60'	Cemented with redmix to surface.
12 1/2"	8 5/8" J-55 ERM,	24 ppf	550'	125 sks lite + 220 sks Class 'C' cellophane flakes.
7 7/8"	FBN ST&C R-8 5 1/2", J-55, ST&C seamless	15 1/2 ppf	0-TD	Cemented to surface with 475 sks 35.65 (Poz:Class C) 6% gel + 10% salt + 1/4 lb/sk cellophane flakes and 475 sks Class C + 2% gel + fluid loss additive + 1/4 lb/sk cellophane flakes.

* We plan to circulate cement to surface on all casing strings.

Socorro Petroleum Company proposes to drill to 4000' to test the Grayburg-Jackson formation for commercial quantities of oil. If the Grayburg-Jackson is deemed non-commercial, the wellbore will be plugged and abandoned per Federal regulations. Programs to adhere to onshore oil and gas regulations are outlined in the following exhibits and attachments.

Drilling Program

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- Exhibits #1/1-A = Blowout Prevention Equipment
- Exhibit #2 = Location and Elevation Plat
- Exhibit #3/3-A = Road Map and Topo Map
- Exhibit #4 = Wells Within 1 Mile Radius
- Exhibit #5 = Production Facilities Plat
- Exhibit #6 = Rotary Rig Layout
- Exhibit #7 = Casing Design

ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or open directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

Randy Jackson

SIGNED Randy Jackson

TITLE District Engineer

DATE May 27, 1994

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

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:

APPROVED BY Scott Poirer

TITLE Acting AREA MANAGER

DATE 9/1/94

*See Instructions On Reverse Side

DISTRICT I
P. O. Box 1980
Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals, and Natural Resources Department

Form C-102
Revised 02-10-94
Instructions on back

DISTRICT II
P. O. Drawer DD
Artesia, NM 88211-0719

OIL CONSERVATION DIVISION
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Submit to the Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

☐ AMENDED REPORT

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name	
4 Property Code D		5 Property Name KEEL 'B' FEDERAL			6 Well Number 56
7 OGRID No.		8 Operator Name SOCORRO PETROLEUM COMPANY			9 Elevation 3747'

10 SURFACE LOCATION

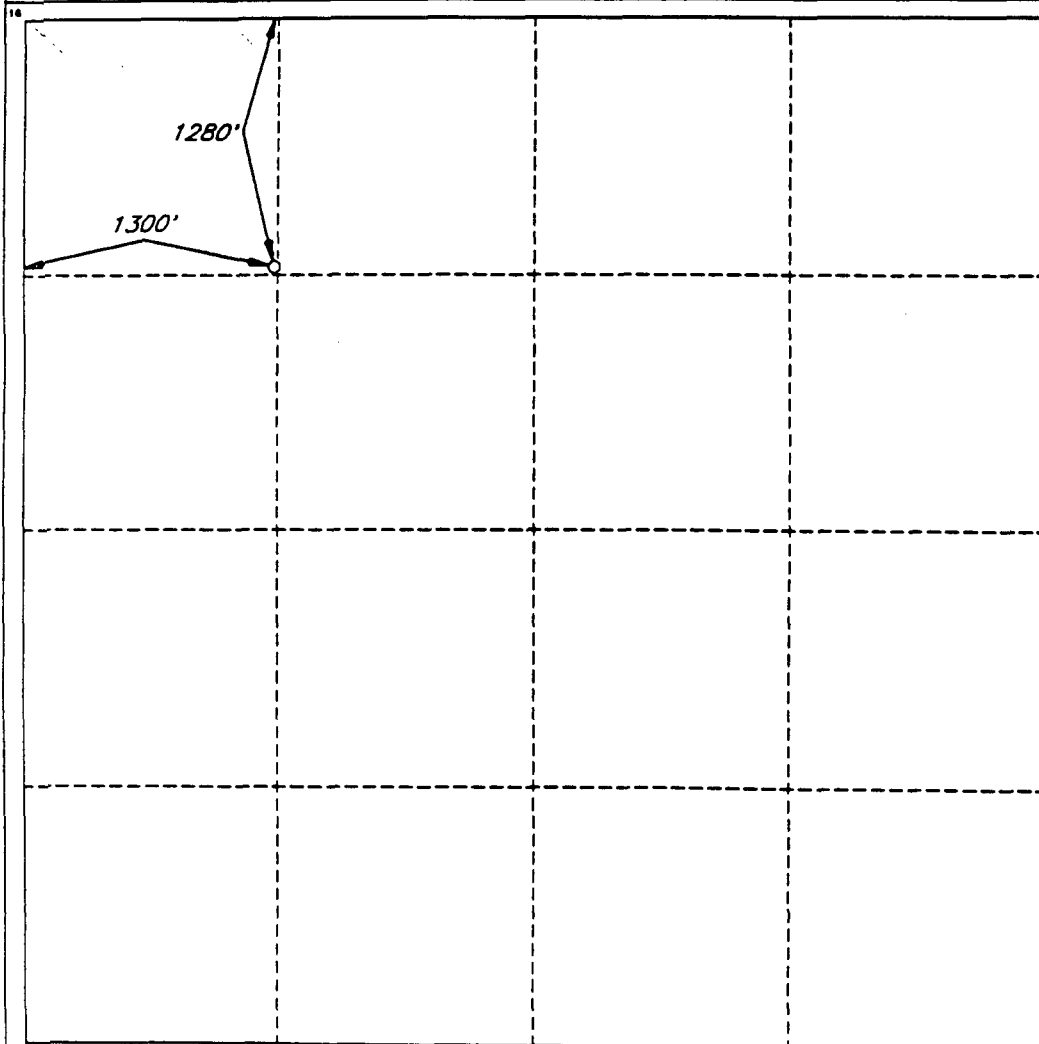
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
	8	17 SOUTH	31 EAST, N.M.P.M.		1280'	NORTH	1300'	WEST	EDDY

"BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE

UL or lot no.	Section	Township	Range	Lot Ida	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 WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

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

Signature

Randy Jackson

Printed Name

RANDY JACKSON

Title

DISTRICT ENGINEER

Date

6/15/94

SURVEYOR CERTIFICATION

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 belief.

Date of Survey

JUN 15 1994

Signature and Seal of Professional Surveyor

V. LYNN
BEZNER
NO. 7920

V. L. BEZNER R.P.S. #7920

JOB #33105-16 / 98SW-SE c/s

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Check instructions on
Operator's Copy)

Form approved
Budget Bureau No. 1014-0136
Expires: December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1. TYPE OF WORK
DRILL ☒ DEEPEN ☐
2. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐
3. NAME OF OPERATOR
Socorro Petroleum Company Attn: Jo Ann Hooks, Phone No. (405) 552-4560
4. ADDRESS AND TELEPHONE
20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface
1330' FSL & 1290' FM
At proposed prod. zone
SAME
6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
4-MILES EAST AND 4 MILES NORTH OF LOCO HILLS, N.M.

7. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LAND LINE, FT. (Also to nearest city, town, village, or city)
1290'
8. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETION, OR APPLICABLE FT. OF THIS STATE, FT.
1000'
9. NO. OF ACRES IN LEASE
1885.0
10. PROPOSED DEPTH
4000'
11. NO. OF ACRES ASSIGNED TO THIS WELL
20 + 40 (50S)
12. DEPTH OF CABLE TOOLS
Rotary

13. DEPTH (Show whether 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350, 360, 370, 380, 390, 400, 410, 420, 430, 440, 450, 460, 470, 480, 490, 500, 510, 520, 530, 540, 550, 560, 570, 580, 590, 600, 610, 620, 630, 640, 650, 660, 670, 680, 690, 700, 710, 720, 730, 740, 750, 760, 770, 780, 790, 800, 810, 820, 830, 840, 850, 860, 870, 880, 890, 900, 910, 920, 930, 940, 950, 960, 970, 980, 990, 1000, 1010, 1020, 1030, 1040, 1050, 1060, 1070, 1080, 1090, 1100, 1110, 1120, 1130, 1140, 1150, 1160, 1170, 1180, 1190, 1200, 1210, 1220, 1230, 1240, 1250, 1260, 1270, 1280, 1290, 1300, 1310, 1320, 1330, 1340, 1350, 1360, 1370, 1380, 1390, 1400, 1410, 1420, 1430, 1440, 1450, 1460, 1470, 1480, 1490, 1500, 1510, 1520, 1530, 1540, 1550, 1560, 1570, 1580, 1590, 1600, 1610, 1620, 1630, 1640, 1650, 1660, 1670, 1680, 1690, 1700, 1710, 1720, 1730, 1740, 1750, 1760, 1770, 1780, 1790, 1800, 1810, 1820, 1830, 1840, 1850, 1860, 1870, 1880, 1890, 1900, 1910, 1920, 1930, 1940, 1950, 1960, 1970, 1980, 1990, 2000, 2010, 2020, 2030, 2040, 2050, 2060, 2070, 2080, 2090, 2100, 2110, 2120, 2130, 2140, 2150, 2160, 2170, 2180, 2190, 2200, 2210, 2220, 2230, 2240, 2250, 2260, 2270, 2280, 2290, 2300, 2310, 2320, 2330, 2340, 2350, 2360, 2370, 2380, 2390, 2400, 2410, 2420, 2430, 2440, 2450, 2460, 2470, 2480, 2490, 2500, 2510, 2520, 2530, 2540, 2550, 2560, 2570, 2580, 2590, 2600, 2610, 2620, 2630, 2640, 2650, 2660, 2670, 2680, 2690, 2700, 2710, 2720, 2730, 2740, 2750, 2760, 2770, 2780, 2790, 2800, 2810, 2820, 2830, 2840, 2850, 2860, 2870, 2880, 2890, 2900, 2910, 2920, 2930, 2940, 2950, 2960, 2970, 2980, 2990, 3000, 3010, 3020, 3030, 3040, 3050, 3060, 3070, 3080, 3090, 3100, 3110, 3120, 3130, 3140, 3150, 3160, 3170, 3180, 3190, 3200, 3210, 3220, 3230, 3240, 3250, 3260, 3270, 3280, 3290, 3300, 3310, 3320, 3330, 3340, 3350, 3360, 3370, 3380, 3390, 3400, 3410, 3420, 3430, 3440, 3450, 3460, 3470, 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17260, 17270, 17280, 17290, 17300, 17310, 17320, 17330, 17340, 17350, 17360, 17370, 17380, 17390, 17400, 17410, 17420, 17430, 17440, 17450, 17460, 17470, 17480, 17490, 17500, 17510, 17520, 17530, 17540, 17550, 17560, 17570, 17580, 17590, 17600, 17610, 17620, 17630, 17640, 17650, 17660, 17670, 17680, 17690, 17700, 17710, 17720, 17730, 17740, 17750, 17760, 17770, 17780, 17790, 17800, 17810, 17820, 17830, 17840, 17850, 17860, 17870, 17880, 17890, 17900, 17910, 17920, 17930, 17940, 17950, 17960, 17970, 17980, 17990, 18000, 18010, 18020, 18030, 18040, 18050, 18060, 18070, 18080, 18090, 18100, 18110,

JOB #33105-18 / ORSW 55

UNITED STATES OPERATOR'S COPY
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1A. TYPE OF WORK

DRILL ☒

DEEPEN ☐

B. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER ☐

2. NAME OF OPERATOR

Socorro Petroleum Company

Attn: Jo Ann Hooks, Phone No. (405) 552-4560

3. ADDRESS AND TELEPHONE NO.

20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

1280' FNL & 1070' FNL

At proposed prod. zone

SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

4-MILES EAST AND 4 MILES NORTH OF LOCO HILLS, N.M.

16. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

1070'

(Also to nearest drg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

1000'

15. NO. OF ACRES IN LEASE

1885.0'

19. PROPOSED DEPTH

4000'

17. NO. OF ACRES ASSIGNED TO THIS WELL

28 40 SJS

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DT, RT, GIL, etc.)

3791'

22. APPROX. DATE WORK WILL START

July 15, 1994

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	14"		60'	Cemented with redmix to surface.
12 1/2"	8 5/8" J-55 ERW,	24 ppf	550'	125 sks lite + 220 sks Class 'C'
7 7/8"	FBN ST&C R-8			cellophane flakes.
	5 1/2", J-55, ST&C	15 1/2 ppf	0-TD	Cemented to surface with 475 sks 35.65
	seamless			(Poz:Class C) 6% gel + 10% salt + 1/4 lb/sk cellophane flakes and 475 sks Class C + 2% gel + fluid loss additive + 1/4 lb/sk cellophane flakes.

* We plan to circulate cement to surface on all casing strings.

Socorro Petroleum Company proposes to drill to 4000' to test the Grayburg-Jackson formation for commercial quantities of oil. If the Grayburg-Jackson is deemed non-commercial, the wellbore will be plugged and abandoned per Federal regulations. Programs to adhere to onshore oil and gas regulations are outlined in the following exhibits and attachments.

Drilling Program

Surface Use and Operating Plan

Exhibits #1/1-A = Blowout Prevention Equipment

Exhibit #2 = Location and Elevation Plat

Exhibit #3/3-A = Road Map and Topo Map

Exhibit #4 = Wells Within 1 Mile Radius

Exhibit #5 = Production Facilities Plat

Exhibit #6 = Rotary Rig Layout

Exhibit #7 = Casing Design

Operating Plan

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 prevention program, if any.

24.

Randy Jackson

SIGNED

Randy Jackson

TITLE

District Engineer

DATE

May 27, 1994

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

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 perform operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

Scott Pown

TITLE

Acting AREA MANAGER

DATE

9/1/94

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes 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.

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

DISTRICT I
P. O. Box 1980
Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals, and Natural Resources Department

Form C-102
Revised 02-10-94
Instructions on back

DISTRICT II
P. O. Drawer DD
Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Submit to the Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

☐ AMENDED REPORT

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name	
4 Property Code D		5 Property Name KEEL 'B' FEDERAL			6 Well Number 59
7 OGRID No.		8 Operator Name SOCORRO PETROLEUM COMPANY			9 Elevation 3791'

10 SURFACE LOCATION

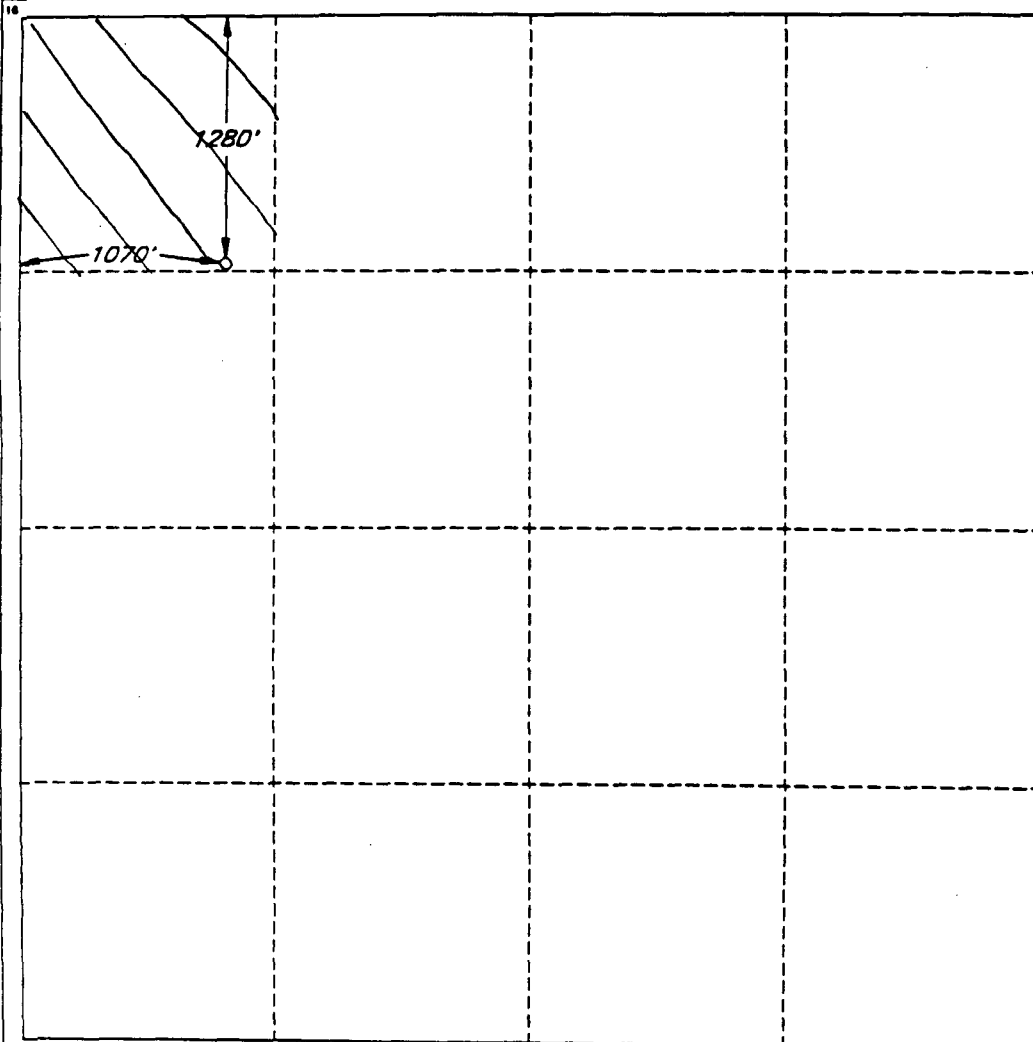
UL or lot no.	Section 6	Township 17 SOUTH	Range 31 EAST, N.M.P.M.	Lot Ida	Feet from the 1280'	North/South line NORTH	Feet from the 1070'	East/West line WEST	County EDDY
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"BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE

UL or lot no.	Section	Township	Range	Lot Ida	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.
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☒ NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

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

Signature <i>Randy Jackson</i>
Printed Name RANDY JACKSON
Title DISTRICT ENGINEER
Date 6/15/94

SURVEYOR CERTIFICATION

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 belief.

Date of Survey MAY 13, 1994
Signature and Seal Professional Surveyor <i>V. Lynn Bezner</i>
Certification V. L. BEZNER R.P.S. #7920
JOB #33105-1979SE&SW/V.H.B.

(December 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM IN TRIPLICATE
(Other instructions on
reverse side)

Form approved
Budget Bureau No. 1004-0136
Expires: December 31, 1991

OPERATOR'S COPY

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

2. NAME OF OPERATOR

Socorro Petroleum Company

Attn: Jo Ann Hooks

Phone No. (405) 552-4560

3. ADDRESS AND TELEPHONE

20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

2610' FNL & 1270' FNL

At proposed prod. zone

SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

4 MILES EAST AND 4 MILES NORTH OF LOCO HILLS, N.M.

15. DISTANCE FROM PROPOSED

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT. 1270'
(Also to nearest dip. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 950'

16. NO. OF ACRES IN LEASE

1919.88

19. PROPOSED DEPTH

4350

17. NO. OF ACRES ASSIGNED

TO THIS WELL

20

20. ROTARY OR CABLE TOOL

Rotary

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

3917'

22. APPROX. DATE WORK WILL START

July 15, 1994

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE AND WEIGHT	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	14"		60'	Cemented with redmix to surface.
12 1/2"	8 5/8" J-55 ERW, FBN ST&C R-8	24 ppf	625	165 sks lite + 220 sks Class "C" cellophane flakes.
7 7/8"	5 1/2" J-55, ST&C seamless	15 1/2 ppf	0-TD	Cemented to surface with 500 sks 35.65 (Poz:Class C) 6% gel + 10% salt + 1/4 lb/ sk cellophane flakes and 500 sks Class C + 2% gel + fluid loss additive + 1/4 lb/ sk cellophane flakes.

* We plan to circulate cement to surface on all casing strings.

Socorro Petroleum Company proposes to drill to 4350' to test the Grayburg-Jackson formation for commercial quantities of oil. If the Grayburg-Jackson is deemed non-commercial, the wellbore will be plugged and abandoned per Federal regulations. Programs to adhere to onshore oil and gas regulations are outlined in the following exhibits and attachments.

Drilling Program

Surface Use and Operating Plan

Exhibits #1/1-A - Blowout Prevention Equipment

Exhibit #2 - Location and Elevation Plat

Exhibit #3/3-A - Road Map and Topo Map

Exhibit #4 - Wells Within 1 Mile Radius

Exhibit #5 - Production Facilities Plat

Exhibit #6 - Rotary Rig Layout

Exhibit #7 - Casing Design

Operating Plan

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 prevention program, if any.

24.

Randy Jackson

SIGNED

TITLE

District Engineer

DATE

MAY 27, 1994

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

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:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

APPROVED BY

TITLE

AREA MANAGER

DATE

9-22-94

*See Instructions On Reverse Side

18 U.S.C. Section 1001, makes 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.

DISTRICT I
P. O. Box 980
Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals, and Natural Resources Department

Form C-102
Revised 02-10-94
Instructions on back

DISTRICT II
P. O. Drawer DD
Artesia, NM 88211-0719

OIL CONSERVATION DIVISION
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Submit to the Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

☐ AMENDED REPORT

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name			
4 Property Code E		5 Property Name WEST 'B' FEDERAL				6 Well Number 73	
7 OGRID No.		8 Operator Name SOCORRO PETROLEUM COMPANY				9 Elevation 3917'	

10 SURFACE LOCATION

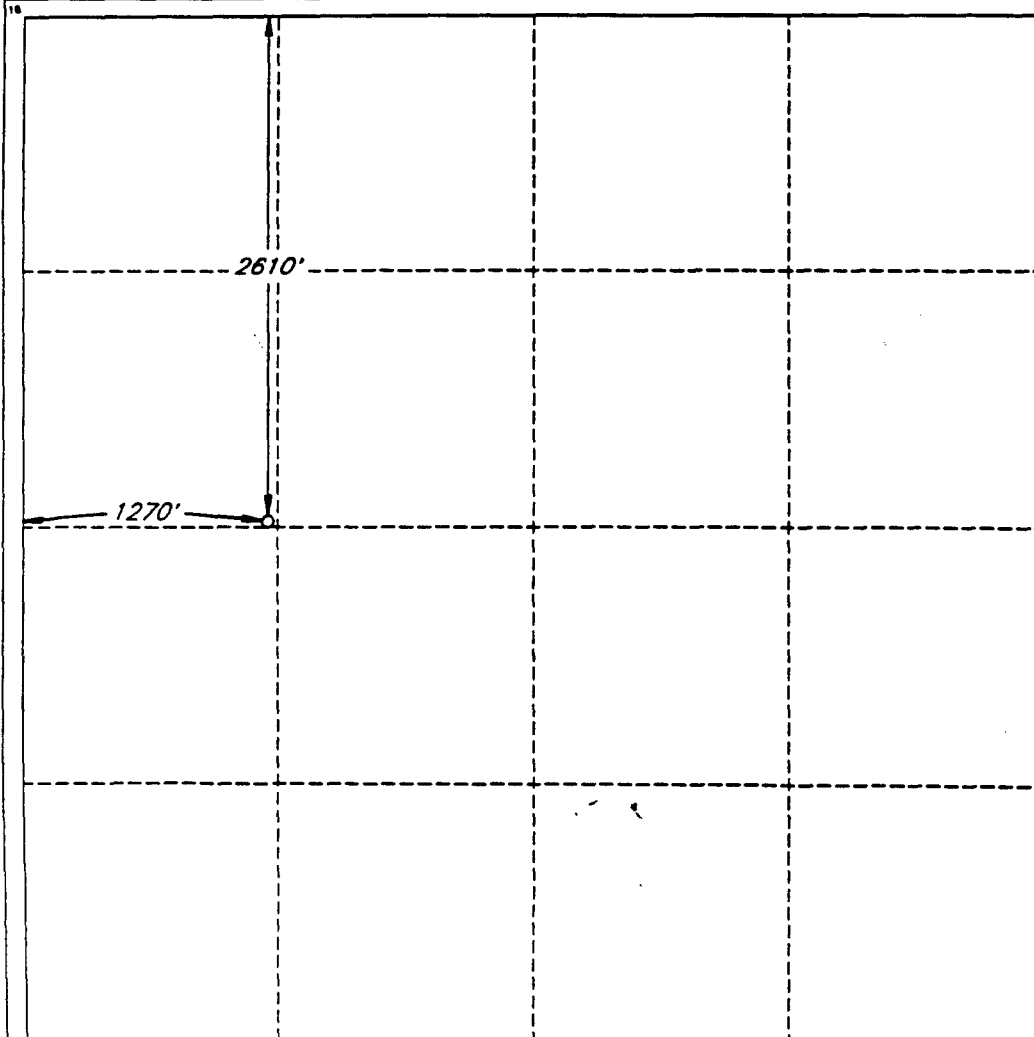
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
	4	17 SOUTH	31 EAST, N.M.P.M.		2610'	NORTH	1270'	WEST	EDDY

"BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE

UL or lot no.	Section	Township	Range	Lot Ida	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 WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN
CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

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

Signature

Randy Jackson

Printed Name

RANDY JACKSON

Title

DISTRICT ENGINEER

Date

6/16/94

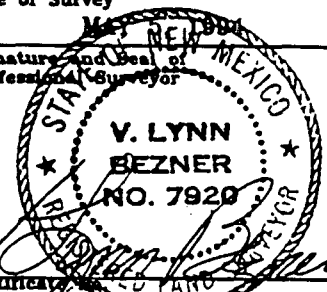
SURVEYOR CERTIFICATION

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 belief.

Date of Survey

6/16/94

Signature and Seal of
Professional Surveyor



Certification

V. L. BEZNER R.P.S. #7920

JOB #33150-25/98SE&SW/V.H.B.

