

11/11/07 DATE IN	SUSPENSE	Brooks ENGINEER	11/11/07 LOGGED IN	NSL TYPE	PKURO730544539 APP NO.
---------------------	----------	--------------------	-----------------------	-------------	---------------------------

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505



COG Operating LLC
West Pearl 36 State #1

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ~~X~~ Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☐ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

RECEIVED
2007 NOV 1 PM 12:06

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Kanicia Carrillo
Print or Type Name

Signature

REGULATORY ANALYST
Title

10/30/07
Date

kcarrillo@conchoresources.com
e-mail Address

**West Pearl "36" State #1
Lea County, NM
API: 30-25-38079
1980 FNL & 1740 FWL
Sec 36, T19S, R34E, Unit F
Lea Morrow North (Gas)
TD 13,657'
320 Acres**

COG proposes to plug back, re-class and recomplete to the
Lea; Bone Spring 37570 (Oil)
PBTD of approximately 10,500'
80 Acres

We would like to Re-class and Recomplete from the Lea Morrow North Pool (Gas) to the Lea Bone Spring Pool (Oil). Due to the special pool rules, we are requesting an exception for a Non Standard Location. We are approximately 90 feet (West) outside of the 150 foot center of the quarter – quarter.

"Special Rules and Regulations for the Lea-Bone Springs Pool.

Rule 3. (As Amended by Order No. R-1827-A, December 21, 1961)
The initial well on any 80-acre unit in said pool shall be located within 150 feet of the center of any quarter-quarter section on which the well is located."

COG respectfully requests permission to recomplete this well in the Lea; Bone spring Pool as follows:

Location: 1980 FNL & 1740 FWL Sec 36, T19S, R34E, Unit F

- MIRU. Kill tubing w/ 100 bbls of 10 ppg mud. ND tree and NU BOP.
- Release packer and POOH w/ tubing and packer. Stand back 9750' of 2 7/8" tubing. LD remainder.
- MIRU wireline. Run gauge ring to 13,250'. Set 4 1/2" CIBP @ 13,200' and top w/ 35' cement.
- Load hole w/ 2% KCl.
- Set 4 1/2" CIBP @ 10,635' and cap w/ 35' cement. Set 7" CIBP @ 10,540' and cap w/ 35' cement.
- Perforate Bone Springs w/ 2 spf @ the following: 9671-75, 9682-88, 9692-961H w/ 7" packer, SN and tubing to 9698'. Spot 2 bbls 15% NEFE across perms. Pull packer to 9500' and acidize w/ 1500 gals 15% NEFE and 50 ball sealers. Flow back and swab test.
- Evaluate for further treatment.

Attachment 1

Lea Bone Spring Plat & Lea Morrow North Plat

Attachment 2

Map & List of offset wells.

Attachment 3

Updated land plat showing that COG Operating LLC owns offset acreage.
The acreage we are encroaching on is the SW/4 of the NW / 4 of Section 36.
COG owns all of the N / 2 of Section 36.
All interest are the same.

COG Operating LLC respectfully requests permission to have this NSL approved.

5760

Lea Bone Spring

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Artesia, NM 87410
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-38079	Pool Code 37570	Pool Name Lea; Bone Spring (oil)
Property Code 35957	Property Name WEST PEARL "36" STATE	Well Number 1
OGRID No. 299137	Operator Name COG OPERATING, L.L.C.	Elevation 3716'

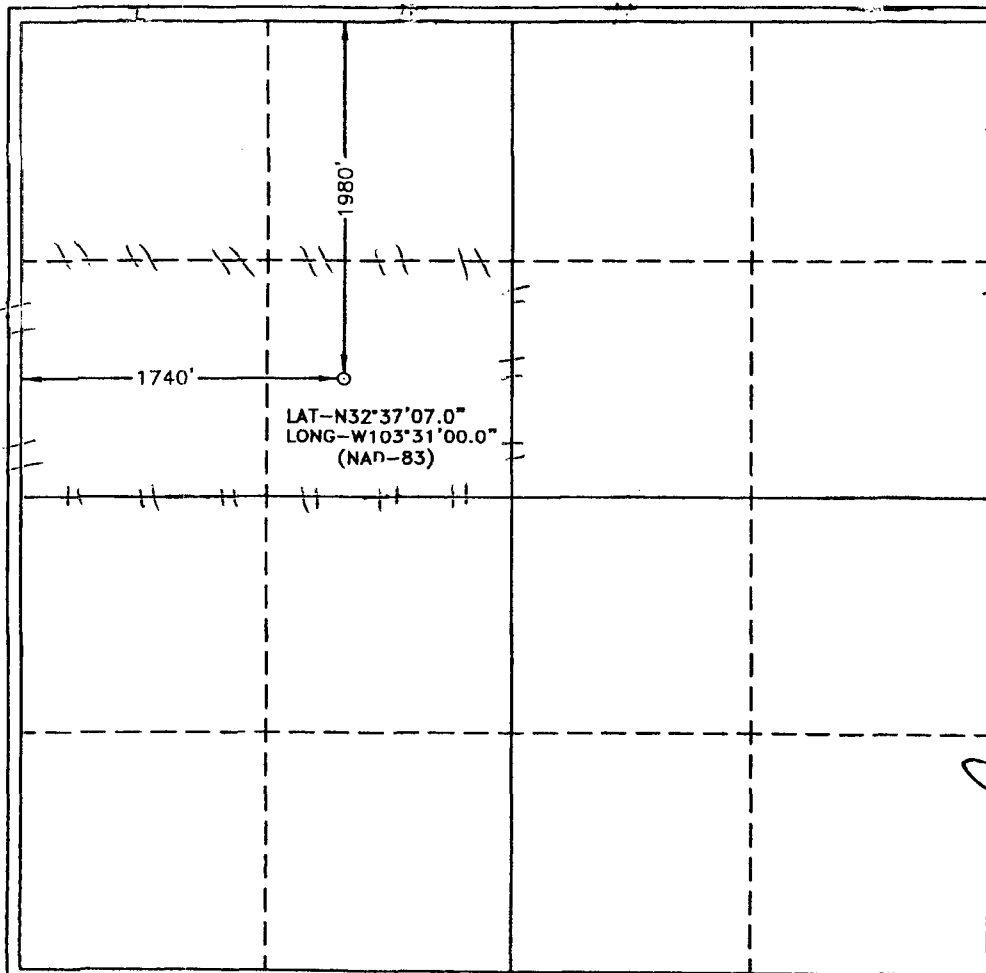
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	36	19 S	34 E		1980	NORTH	1740	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 80		Joint or Infill		Consolidation Code		Order No.			

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



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Phyllis A. Edwards 8-18-06
Signature Date

PHYLLIS A. EDWARDS
Printed Name

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.

JULY 24, 2006
Date Surveyed

GARY L. JONES
Signature & Seal
Professional Surveyor

GARY L. JONES
NEW MEXICO
No. 6980
1977
Certificate of the State of New Mexico
PROF. OF LAND SURVEYING
BASIN SURVEYS

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(505) 393-6161 Fax:(505) 393-0720

District II

1301 W. Grand Ave., Artesia, NM 88210
Phone:(505) 748-1283 Fax:(505) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-102
Permit 36573

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-38079	2. Pool Code 97595	3. Pool Name Wildcat Morrow (gas)
4. Property Code 35957	5. Property Name WEST PEARL "36" STATE	6. Well No. 001
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3716

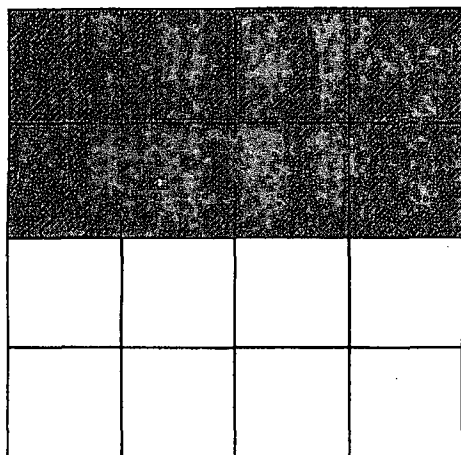
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
F	36	19S	34E		1980	N	1740	W	LEA

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 320.00		13. Joint or Infill		14. Consolidation Code		15. Order No.			

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

**OPERATOR CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

E-Signed By: Diane Kuykendall
Title: Regulatory Analyst
Date: 8/21/2006

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.

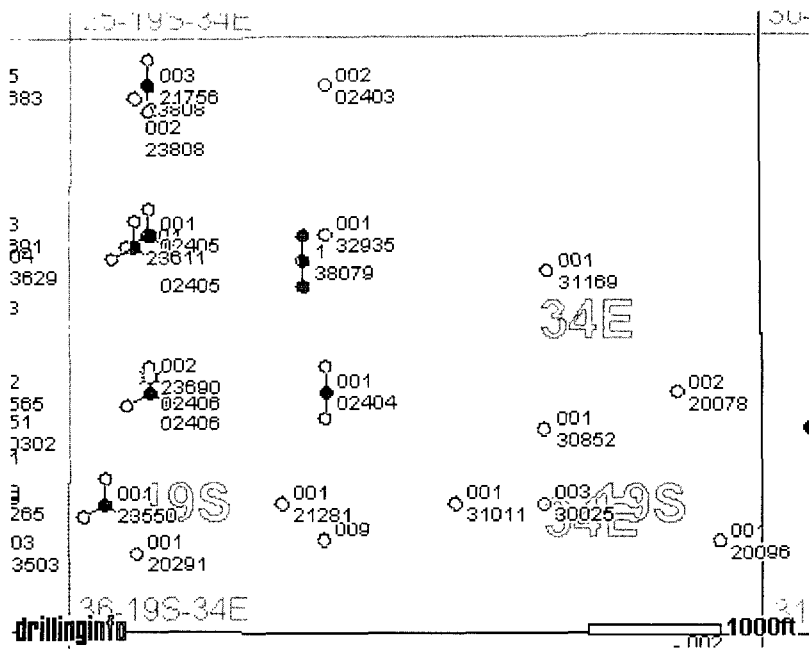
Surveyed By: Gary Jones
Date of Survey: 7/24/2006
Certificate Number: 7977

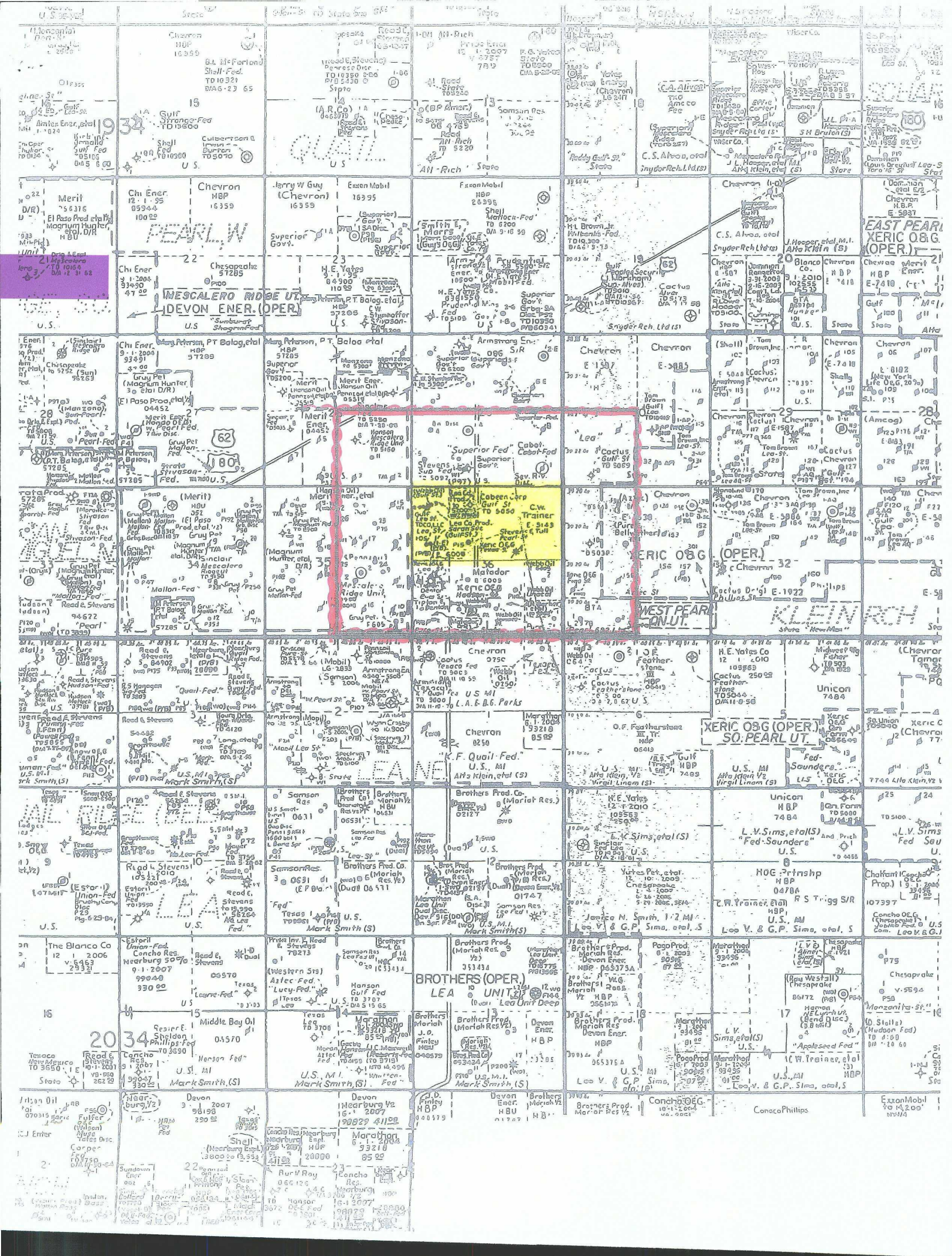
Offset Wells to West Pearl 36 State #1

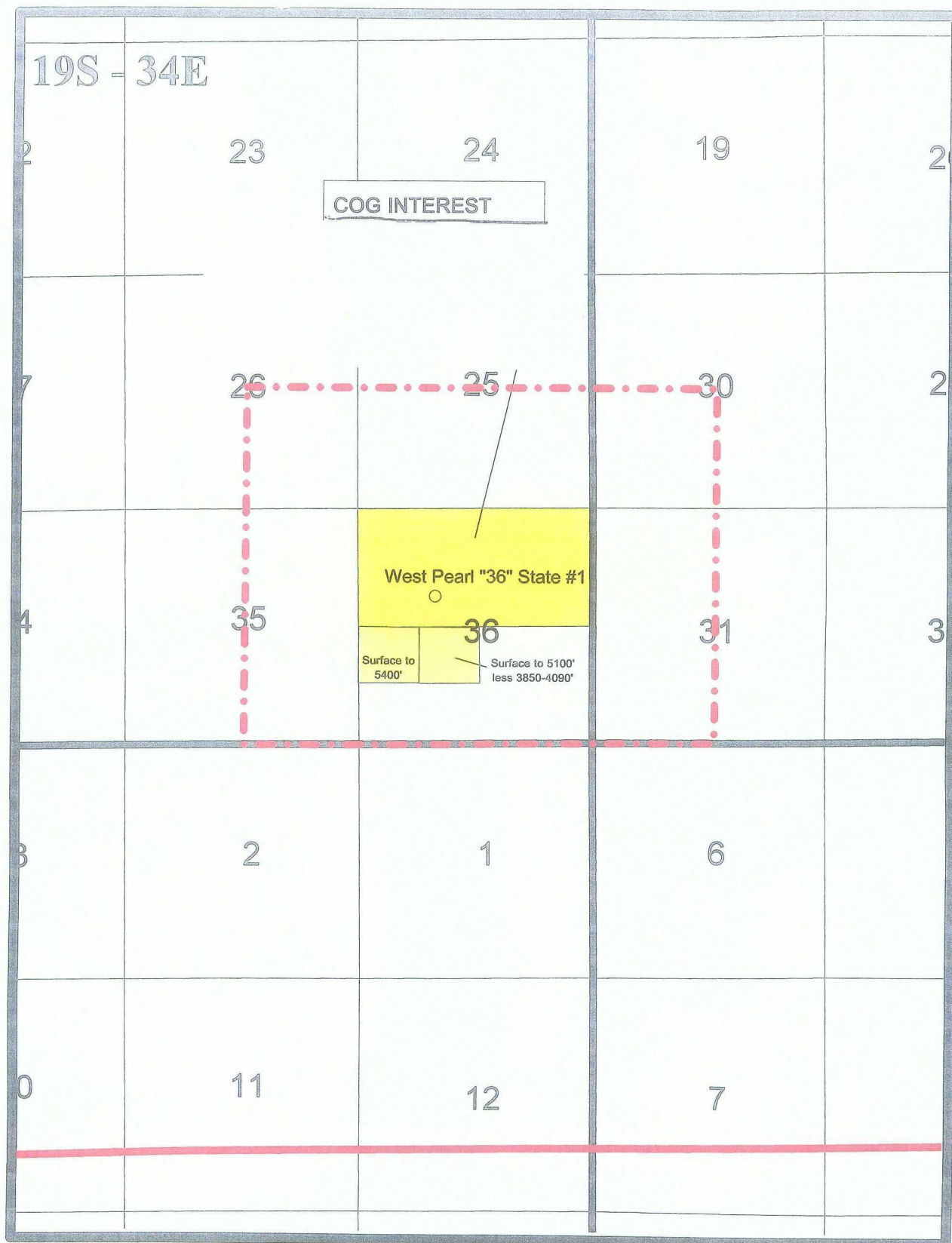
API#	Operator	Lease	Well#	County	Legal	Last Prod.	Field Name	Reservoir Name	Total Depth	Well Status
30-025-02404	MACK ENERGY CORP	HADSON STATE	001	LEA	S:36, T:19S, R:34E	Jul 1995	PEARL	QUEEN	0	Pumping
30-025-02405	LOURAY OIL COMPANY, LLC	SARAH SUE	001	LEA	S:36, T:19S, R:34E		PEARL	SEVEN RIVERS		Shut-in
30-025-02405	BEC CORP	SARAH SUE	001	LEA	S:36, T:19S, R:34E	Oct 1997	PEARL	QUEEN		Shut-in
30-025-02406	XERIC OIL & GAS CORP	LEA K STATE	001	LEA	S:36, T:19S, R:34E	Oct 1991	PEARL	SEVEN RIVERS, SOUTH (GAS)	0	Flowing
30-025-02406	XERIC OIL & GAS CORP	LEA K STATE	001	LEA	S:36, T:19S, R:34E	Dec 1985	PEARL	SEVEN RIVERS	0	Flowing
30-025-20078	LOTHIAN OIL TEXAS I, INC.	PURE STATE	002	LEA	S:36, T:19S, R:34E	May 2007	PEARL	QUEEN		Active
30-025-20096	LOTHIAN OIL TEXAS I, INC.	PURE STATE	001	LEA	S:36, T:19S, R:34E	May 2007	PEARL	QUEEN		Pumping
30-025-20291	TIPTON & DENTON	PURE STATE	001	LEA	S:36, T:19S, R:34E	May 2007	PEARL	QUEEN		Pumping
30-025-21281	LOTHIAN OIL TEXAS I, INC.	MINERALS STATE	001	LEA	S:36, T:19S, R:34E	Jun 2007	PEARL	QUEEN		Pumping
30-025-21756	LOURAY OIL COMPANY, LLC	SARAH SUE	003	LEA	S:36, T:19S, R:34E	Jul 2007	PEARL	QUEEN		Temporarily Abandoned
30-025-23550	TIPTON & DENTON	DELAWARE STATE	001	LEA	S:36, T:19S, R:34E	May 1995	PEARL	QUEEN		Pumping
30-025-23550	TIPTON & DENTON	DELAWARE STATE	001	LEA	S:36, T:19S, R:34E	May 2007	LEA	DELAWARE, NORTHEAST		Pumping
30-025-23611	C W TRAINER	LEA DS STATE	001	LEA	S:36, T:19S, R:34E	Apr 2004	LEA	SAN ANDRES	9,744	Shut-in
	MACK ENERGY				S:36,					

30-025-23690	CORP	STATE 36	002 LEA	T:19S, R:34E	Sep 1975	LEA	BONE SPRING	Pumping
30-025-30852	LOTHIAN OIL TEXAS I, INC.	UNOCAL STATE	001 LEA	S:36, T:19S, R:34E	Jun 2007	PEARL	QUEEN	Active
30-025-31011	LOTHIAN OIL TEXAS I, INC.	JAMAICA STATE	001 LEA	S:36, T:19S, R:34E	Jun 2007	PEARL	QUEEN	Pumping
30-025-32935	TRILOGY OPERATING INC	PEARL STATE	001 LEA	S:36, T:19S, R:34E	Nov 1995	PEARL	QUEEN	Pumping
30-025-02405	LEA COUNTY PRODUCTION CO., LLC	SARAH SUE	001 LEA	S:36, T:19S, R:34E		DRY & ABANDONED		Shut-in
30-025-31169	XERIC OIL & GAS CORP	TEXAS STATE	001 LEA	S:36, T:19S, R:34E		PEARL	SEVEN RIVERS, SOUTH (GAS)	Active
30-025-02406	XERIC OIL & GAS CORP	LEA K STATE	001 LEA	S:36, T:19S, R:34E	Dec 1969	PEARL	QUEEN	0 Flowing
30-025-23808		LEA DS STATE	002 LEA	S:36, T:19S, R:34E	Dec 1971	LEA	BONE SPRING	Active
30-025-21756		GULF STATE	003 LEA	S:36, T:19S, R:34E	Jun 1986	PEARL	QUEEN	Temporarily Abandoned
30-025-02404	MINERALS INCORPORATED	PURE STATE	001 LEA	S:36, T:19S, R:34E	Dec 1971	PEARL QUEEN		0 Pumping
30-025-23611	CABEEN EXPLORATION CORP.	GULF STATE	001 LEA	S:36, T:19S, R:34E	Dec 1963	PEARL QUEEN WEST		9,744 Shut-in
30-025-23550	UNION OIL CO OF CA	STATE 36	001 LEA	S:36, T:19S, R:34E	Dec 1971	LEA BONE SPRINGS		Pumping
30-025-00000	THE TEXAS COMPANY	STATE O	009 LEA	S:36, T:19S, R:34E	Dec 1946	VACUUM	MORROW (GAS)	Active
30-025-23611	MINERALS INC	GULF STATE	001 LEA	S:36, T:19S, R:34E	Dec 1971	PEARL QUEEN		9,744 Shut-in
30-025-38079	CIMAREX ENERGY CO OF COLORADO	WEST PEARL 36 STATE	1 LEA	S:36, T:19S, R:34E		LEA, MORROW /NORTH GAS		13,657 Active Permit
	CIMAREX	WEST		S:36,				

30-025-38079	ENERGY CO OF COLORADO	PEARL 36 STATE	1	LEA	T:19S, R:34E	May 2007	WILDCAT S193436F	MORROW (GAS)	13.657	Active Permit
--------------	--------------------------	-------------------	---	-----	-----------------	----------	------------------	--------------	--------	---------------







DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.
---------	----------	----------	-----------	------	---------

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



*COB
W Pearl 36 24-11*

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Simultaneous Dedication
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

- [D] Other: Specify _____

RECEIVED
 2007 NOV 1 PM 12 06

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ~~X~~ Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☐ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Kanicia Carrillo
 Print or Type Name

K. Carrillo
 Signature

REGULATORY ANALYST
 Title

10/30/07
 Date

kcarrillo@conchoresources.com
 e-mail Address

**West Pearl "36" State #1
Lea County, NM
API: 30-25-38079
1980 FNL & 1740 FWL
Sec 36, T19S,R34E, Unit F
Lea Morrow North (Gas)
TD 13,657'
320 Acres**

COG proposes to plug back, re-class and recomplete to the
Lea; Bone Spring 37570 (Oil)
PBTd of approximately 10,500'
80 Acres

We would like to Re-class and Recomplete from the Lea Morrow North Pool (Gas) to the Lea Bone Spring Pool (Oil). Due to the special pool rules, we are requesting an exception for a Non Standard Location. We are approximately 90 feet (West) outside of the 150 foot center of the quarter – quarter.

"Special Rules and Regulations for the Lea-Bone Springs Pool.

Rule 3. (As Amended by Order No. R-1827-A, December 21, 1961)
The initial well on any 80-acre unit in said pool shall be located within 150 feet of the center of any quarter-quarter section on which the well is located."

COG respectfully requests permission to recomplete this well in the Lea; Bone spring Pool as follows:

Location: 1980 FNL & 1740 FWL Sec 36, T19S, R34E, Unit F

- MIRU. Kill tubing w/ 100 bbls of 10 ppg mud. ND tree and NU BOP.
- Release packer and POOH w/ tubing and packer. Stand back 9750' of 2 7/8" tubing. LD remainder.
- MIRU wireline. Run gauge ring to 13,250'. Set 4 ½" CIBP @ 13,200' and top w/ 35' cement.
- Load hole w/ 2% KCl.
- Set 4 ½" CIBP @ 10,635' and cap w/ 35' cement. Set 7" CIBP @ 10,540' and cap w/ 35' cement.
- Perforate Bone Springs w/ 2 spf @ the following: 9671-75, 9682-88, 9692-961H w/ 7" packer, SN and tubing to 9698'. Spot 2 bbls 15% NEFE across perms. Pull packer to 9500' and acidize w/ 1500 gals 15% NEFE and 50 ball sealers. Flow back and swab test.
- Evaluate for further treatment.

Attachment 1

Lea Bone Spring Plat & Lea Morrow North Plat

Attachment 2

Map & List of offset wells.

Attachment 3

Updated land plat showing that COG Operating LLC owns offset acreage.
The acreage we are encroaching on is the SW/4 of the NW / 4 of Section 36.
COG owns all of the N / 2 of Section 36.
All interest are the same.

COG Operating LLC respectfully requests permission to have this NSL approved.

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

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

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised October 12, 2006

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-38079	Pool Code 37570	Pool Name Lea; Bone Spring (oil)
Property Code 35957	Property Name WEST PEARL "36" STATE	Well Number 1
OGRID No. 299137	Operator Name COG OPERATING, L.L.C.	Elevation 3716'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	36	19 S	34 E		1980	NORTH	1740	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 80	Joint or Infill	Consolidation Code	Order No.						

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

	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Phyllis A. Edwards</i> 8-18-06 Signature Date PHYLLIS A. EDWARDS Printed Name
	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. JULY 24, 2006 Date Surveyed <i>Gary L. Jones</i> Signature & Seal Professional Surveyor Certificate No. 6980 Professional Surveyor 1977 BASIN SURVEYS

Lea Morrow North

District I1625 N. French Dr., Hobbs, NM 88240
Phone:(505) 393-6161 Fax:(505) 393-0720**District II**1301 W. Grand Ave., Artesia, NM 88210
Phone:(505) 748-1283 Fax:(505) 748-9720**District III**1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170**District IV**1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462**State of New Mexico****Energy, Minerals and Natural Resources****Oil Conservation Division****1220 S. St Francis Dr.****Santa Fe, NM 87505**Form C-102
Permit 36573**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-025-38079	2. Pool Code 97595	3. Pool Name Wildcat Morrow (gas)
4. Property Code 35957	5. Property Name WEST PEARL "36" STATE	6. Well No. 001
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3716

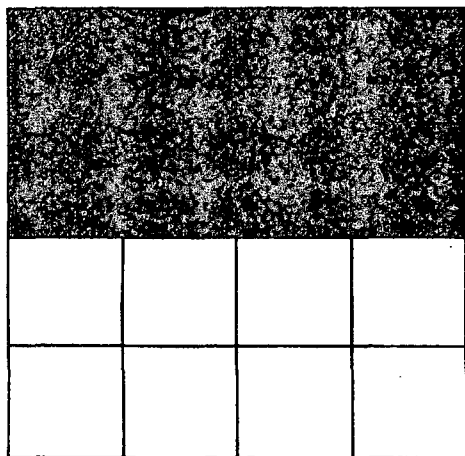
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
F	36	19S	34E		1980	N	1740	W	LEA

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 320.00		13. Joint or Infill		14. Consolidation Code		15. Order No.			

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

**OPERATOR CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

E-Signed By: Diane Kuykendall

Title: Regulatory Analyst

Date: 8/21/2006

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.

Surveyed By: Gary Jones

Date of Survey: 7/24/2006

Certificate Number: 7977

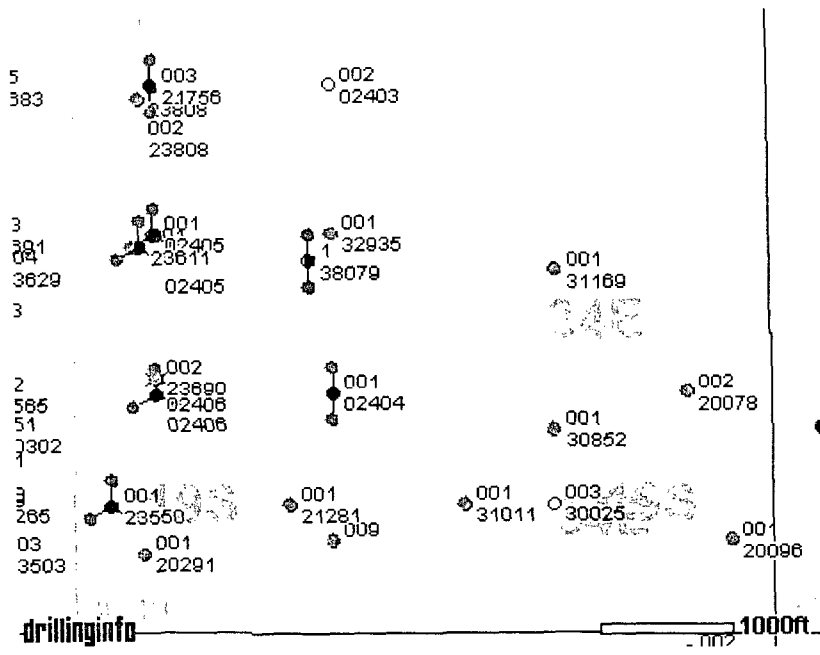
Offset Wells to West Pearl 36 State #1

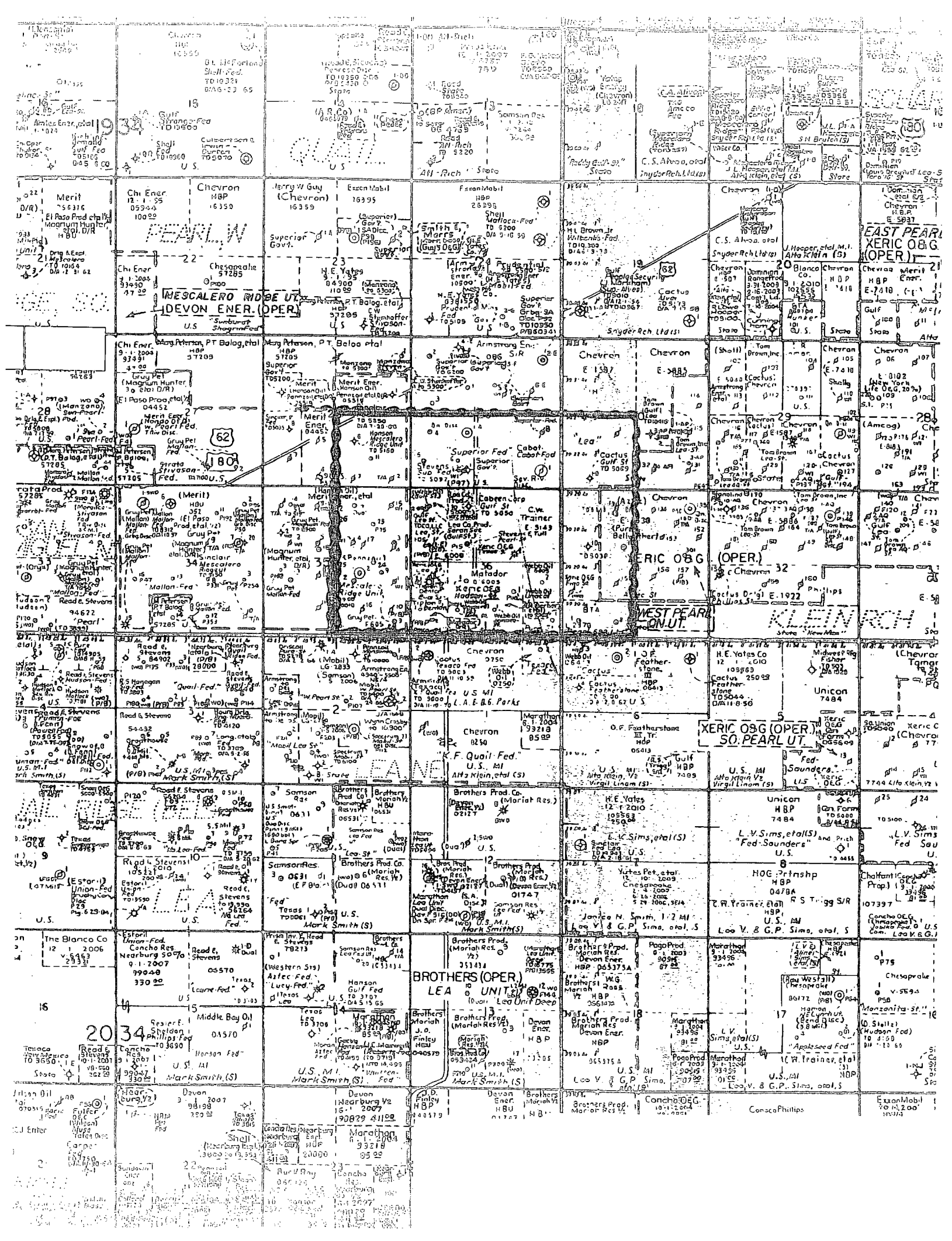
API#	Operator	Lease	Well#	County	Legal	Last Prod. Field Name	Reservoir Name	Total Depth	Well Status
30-025-02404	MACK ENERGY CORP	HADSON STATE	001	LEA	S:36, T:19S, R:34E	Jul 1995 PEARL	QUEEN	0	Pumping
30-025-02405	LOURAY OIL COMPANY, LLC	SARAH SUE	001	LEA	S:36, T:19S, R:34E	PEARL	SEVEN RIVERS		Shut-in
30-025-02405	BEC CORP	SARAH SUE	001	LEA	S:36, T:19S, R:34E	Oct 1997 PEARL	QUEEN		Shut-in
30-025-02406	XERIC OIL & GAS CORP	LEAK STATE	001	LEA	S:36, T:19S, R:34E	Oct 1991 PEARL	SEVEN RIVERS, SOUTH (GAS)	0	Flowing
30-025-02406	XERIC OIL & GAS CORP	LEAK STATE	001	LEA	S:36, T:19S, R:34E	Dec 1985 PEARL	SEVEN RIVERS	0	Flowing
30-025-20078	LOTHIAN OIL TEXAS I, INC.	PURE STATE	002	LEA	S:36, T:19S, R:34E	May 2007 PEARL	QUEEN		Active
30-025-20096	LOTHIAN OIL TEXAS I, INC.	PURE STATE	001	LEA	S:36, T:19S, R:34E	May 2007 PEARL	QUEEN		Pumping
30-025-20291	TIPTON & DENTON	PURE STATE	001	LEA	S:36, T:19S, R:34E	May 2007 PEARL	QUEEN		Pumping
30-025-21281	LOTHIAN OIL TEXAS I, INC.	MINERALS STATE	001	LEA	S:36, T:19S, R:34E	Jun 2007 PEARL	QUEEN		Pumping
30-025-21756	LOURAY OIL COMPANY, LLC	SARAH SUE	003	LEA	S:36, T:19S, R:34E	Jul 2007 PEARL	QUEEN		Temporarily Abandoned
30-025-23550	TIPTON & DENTON	DELAWARE STATE	001	LEA	S:36, T:19S, R:34E	May 1995 PEARL	QUEEN		Pumping
30-025-23550	TIPTON & DENTON	DELAWARE STATE	001	LEA	S:36, T:19S, R:34E	May 2007 LEA	DELAWARE, NORTHEAST		Pumping
30-025-23611	C W TRAINER	LEADS STATE	001	LEA	S:36, T:19S, R:34E	Apr 2004 LEA	SAN ANDRES	9,744	Shut-in

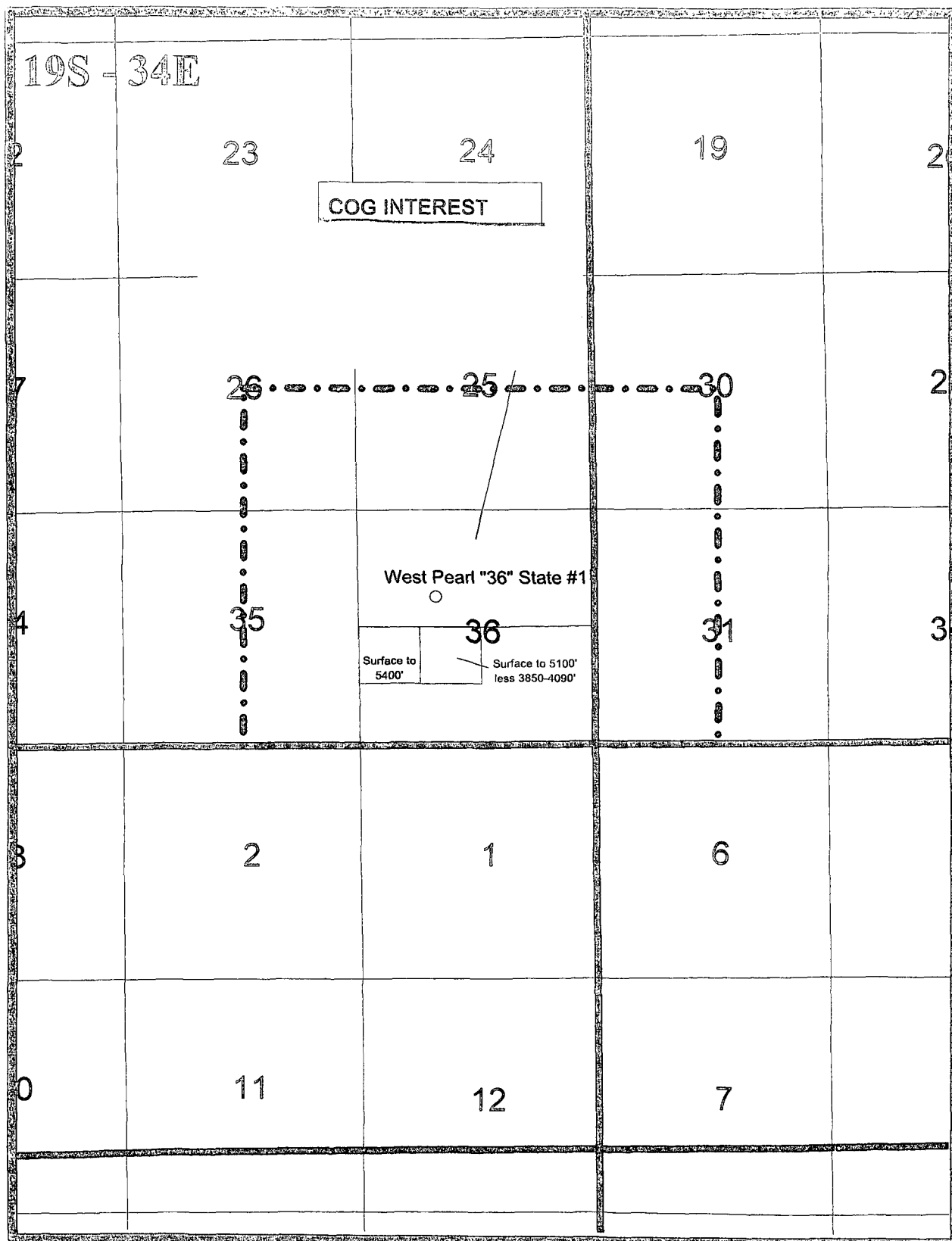
MACK ENER

30-025-23690	CORP	STATE 36	002	LEA	T:19S, R:34E	Sep 1975	LEA	BONE SPRING	Pumping
30-025-30852	LOTHIAN OIL TEXAS I, INC.	UNOCAL STATE	001	LEA	S:36, T:19S, R:34E	Jun 2007	PEARL	QUEEN	Active
30-025-31011	LOTHIAN OIL TEXAS I, INC.	JAMAICA STATE	001	LEA	S:36, T:19S, R:34E	Jun 2007	PEARL	QUEEN	Pumping
30-025-32935	TRILOGY OPERATING INC	PEARL STATE	001	LEA	S:36, T:19S, R:34E	Nov 1995	PEARL	QUEEN	Pumping
30-025-02405	LEA COUNTY PRODUCTION CO., LLC	SARAH SUE	001	LEA	S:36, T:19S, R:34E		DRY & ABANDONED		Shut-in
30-025-31169	XERIC OIL & GAS CORP	TEXAS STATE	001	LEA	S:36, T:19S, R:34E		PEARL	SEVEN RIVERS, SOUTH (GAS)	Active
30-025-02406	XERIC OIL & GAS CORP	LEA K STATE	001	LEA	S:36, T:19S, R:34E	Dec 1969	PEARL	QUEEN	0 Flowing
30-025-23808		LEA DS STATE	002	LEA	S:36, T:19S, R:34E	Dec 1971	LEA	BONE SPRING	Active
30-025-21756		GULF STATE	003	LEA	S:36, T:19S, R:34E	Jun 1986	PEARL	QUEEN	Temporarily Abandoned
30-025-02404	MINERALS INCORPORATED	PURE STATE	001	LEA	S:36, T:19S, R:34E	Dec 1971	PEARL QUEEN		0 Pumping
30-025-23611	CABEEN EXPLORATION CORP.	GULF STATE	001	LEA	S:36, T:19S, R:34E	Dec 1963	PEARL QUEEN WEST		9,744 Shut-in
30-025-23550	UNION OIL CO OF CA	STATE 36	001	LEA	S:36, T:19S, R:34E	Dec 1971	LEA BONE SPRINGS		Pumping
30-025-00000	THE TEXAS COMPANY	STATE O	009	LEA	S:36, T:19S, R:34E	Dec 1946	VACUUM	MORROW (GAS)	Active
30-025-23611	MINERALS INC	GULF STATE	001	LEA	S:36, T:19S, R:34E	Dec 1971	PEARL QUEEN		9,744 Shut-in
30-025-38079	CIMAREX ENERGY CO OF COLORADO	WEST PEARL 36 STATE	1	LEA	S:36, T:19S, R:34E		LEA, MORROW /NORTH GAS		13,657 Active Permit
	CIMAREX	WEST			S:36,				

30-025-38079	ENERGY CO OF COLORADO	PEARL STATE	1	LEA	T:19S, R:34E	May 2007	WILDCAT S193436F	MORROW (GAS)	13,657	Active Permit
--------------	-----------------------	-------------	---	-----	--------------	----------	------------------	--------------	--------	---------------







 AMI
 Leasehold



WEST PEARL PROSPECT
Lea County, New Mexico

Date:	13 September, 2003
Author:	B. BYRNE