

OIL CONSERVATION DIVISION
P. O. Box 2088
SANTA FE, NEW MEXICO
87501

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

ADMINISTRATIVE ORDER
NFL 123

INFILL DRILLING FINDINGS AND WELL-SPACING WAIVER
MADE PURSUANT TO SECTION 271.305(b) OF THE
FEDERAL ENERGY REGULATORY COMMISSION REGULATIONS,
NATURAL GAS POLICY ACT OF 1978 AND OIL CONSERVATION DIVISION
ORDER NO. R-6013

I.

Operator MARBOB ENERGY CORPORATION Well Name and No. Old Loco Unit Well No. 25
Location: Unit D Sec. 32 Twp. 17S Rng. 29E Cty. Eddy

II.

THE DIVISION FINDS:

(1) That Section 271.305(b) of the Federal Energy Regulatory Commission Interim Regulations promulgated pursuant to the Natural Gas Policy Act of 1978 provides that, in order for an infill well to qualify as a new onshore production well under Section 103 of said Act, the Division must find, prior to the commencement of drilling, that the well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be so drained by any existing well within that unit, and must grant a waiver of existing well-spacing requirements.

(2) That by Order No. R-6013, dated June 7, 1979, the Division established an administrative procedure whereby the Division Director and the Division Examiners are empowered to act for the Division and find that an infill well is necessary.

(3) That the well for which a finding is sought is to be completed in the Grayburg Jackson (7R-Qn-Crbg-SA) Pool, and the standard spacing unit in said pool is 40 acres.

(4) That a 40-acre proration unit comprising the NW/4 NW/4 of Sec. 32, Twp. 17S, Rng. 29E, is currently dedicated to the applicant's Old Loco Unit Well No. 4 located in Unit D of said section.

(5) That this proration unit is () standard () nonstandard; if nonstandard, said unit was previously approved by Order No. NA.

(6) That said proration unit is not being effectively and efficiently drained by the existing well(s) on the unit.

(7) That the drilling and completion of the well for which a finding is sought should result in the production of an additional 19,410 MCF of gas from the proration unit which would not otherwise be recovered.

(8) That all the requirements of Order No. R-6013 have been complied with, and that the well for which a finding is sought is necessary to effectively and efficiently drain a portion of the reservoir covered by said proration unit which cannot be so drained by any existing well within the unit.

(9) That in order to permit effective and efficient drainage of said proration unit, the subject application should be approved as an exception to the standard well spacing requirements for the pool.

IT IS THEREFORE ORDERED:

(1) That the applicant is hereby authorized to drill the well described in Section I above as an infill well on the existing proration unit described in Section II(4) above. The authorization for infill drilling granted by this order is an exception to applicable well spacing requirements and is necessary to permit the drainage of a portion of the reservoir covered by said proration unit which cannot be effectively and efficiently drained by any existing well thereon.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on this 6th day of February, 19 86.

Michael B. Hogner
DIVISION DIRECTOR EXAMINER

cc: NMOCD Artesia
NMO&GEC Hobbs

Received 5/29/85
Released Immediately

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. Box 2088
SANTA FE, NEW MEXICO
87501

ADMINISTRATIVE ORDER
NFL 123

INFILL DRILLING FINDINGS AND WELL-SPACING WAIVER
MADE PURSUANT TO SECTION 271.305(b) OF THE
FEDERAL ENERGY REGULATORY COMMISSION REGULATIONS,
NATURAL GAS POLICY ACT OF 1978 AND OIL CONSERVATION DIVISION
ORDER NO. R-6013

I.
Operator Marathon Energy Corporation Well Name and No. Old loco Unit Well No. 25
Location: Unit D Sec. 32 Twp. 17 South Rng. 29 East Cty. Eddy

II.
THE DIVISION FINDS:

(1) That Section 271.305(b) of the Federal Energy Regulatory Commission Interim Regulations promulgated pursuant to the Natural Gas Policy Act of 1978 provides that, in order for an infill well to qualify as a new onshore production well under Section 103 of said Act, the Division must find, prior to the commencement of drilling, that the well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be so drained by any existing well within that unit, and must grant a waiver of existing well-spacing requirements.

(2) That by Order No. R-6013, dated June 7, 1979, the Division established an administrative procedure whereby the Division Director and the Division Examiners are empowered to act for the Division and find that an infill well is necessary.

(3) That the well for which a finding is sought is to be completed in the Grayburg Jackson (7R-Dn-Gbgy-SA) Pool, and the standard spacing unit in said pool is 40 acres.

(4) That a 40-acre proration unit comprising the NW 1/4 NW 1/4 of Sec. 32, Twp. 17 South, Rng. 29 East, is currently dedicated to the applicant's Old loco Unit Well No. 4 located in Unit D of said section.

(5) That this proration unit is () standard () nonstandard; if nonstandard, said unit was previously approved by Order No. NA.

(6) That said proration unit is not being effectively and efficiently drained by the existing well(s) on the unit.

(7) That the drilling and completion of the well for which a finding is sought should result in the production of an additional 19,410 MCF of gas from the proration unit which would not otherwise be recovered.

(8) That all the requirements of Order No. R-6013 have been complied with, and that the well for which a finding is sought is necessary to effectively and efficiently drain a portion of the reservoir covered by said proration unit which cannot be so drained by any existing well within the unit.

(9) That in order to permit effective and efficient drainage of said proration unit, the subject application should be approved as an exception to the standard well spacing requirements for the pool.

IT IS THEREFORE ORDERED:

(1) That the applicant is hereby authorized to drill the well described in Section I above as an infill well on the existing proration unit described in Section II(4) above. The authorization for infill drilling granted by this order is an exception to applicable well spacing requirements and is necessary to permit the drainage of a portion of the reservoir covered by said proration unit which cannot be effectively and efficiently drained by any existing well thereon.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on this _____ day of _____, 19 _____.

c.c. - NMDCP Antonia
NMOT&EC Hobbs

DIVISION DIRECTOR _____ EXAMINER _____



OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

P. O. BOX 2088 - SANTA FE

87501

**GOVERNOR
BRUCE KING
CHAIRMAN**

**LAND COMMISSIONER
ALEX J. ARMIJO
MEMBER**

**STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR**

**N. MEXICO OIL CONSERVATION COMMISS
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form 10-10
Superseded 6-1-84
11-15-1985

All distances are from the outer boundaries of the Section

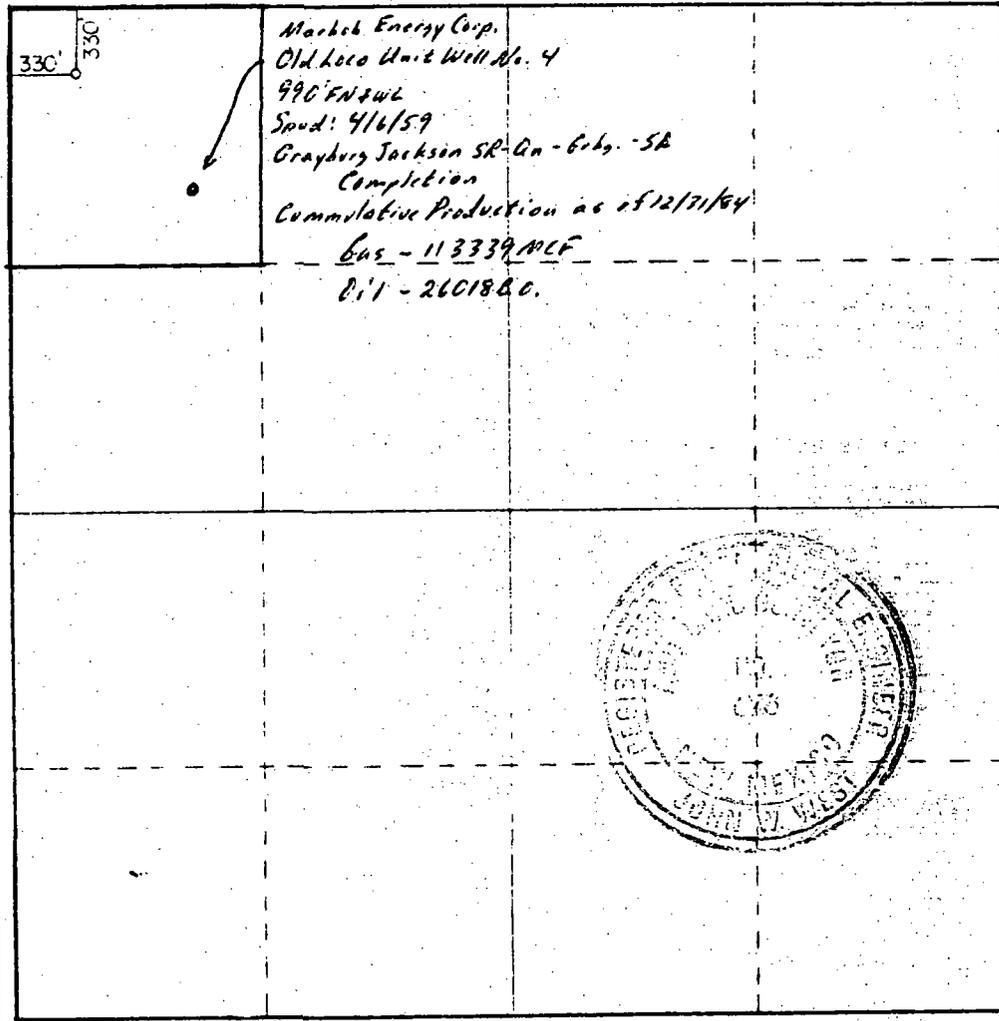
MARBOB ENERGY CORP.		Lease		OLD LOCO UNIT	Well No.	25
D	Section 32	Township 17S	Range 29E	County EDDY		
Location of Well:						
330	feet from the	NORTH	line and	330	feet from the	WEST
Ground Level Elev.	Producing Formation		Foot	Dedicated Acreage		
3608.3	Grayburg, Lovington		Grbg Jackson SR-Q-G-SA	40		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Carolyn Purcella

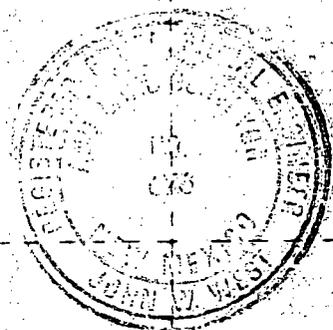
Carolyn Purcella

Production Clerk

Marbob Energy Corporation

3/28/85

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



Dated and Signed:
3/11/85
Registered Professional Engineer
and Surveyor

John W. West

Certificate No. JOHN W. WEST 17073

REQUEST FOR INFILL FINDING ON

OLD LOCO UNIT #25

**in accordance with Administrative
Procedures amended February 8, 1980**

30-015-25239

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

Form C-101
Revised 10-1-78

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OPERATOR	<input checked="" type="checkbox"/>

RECEIVED BY
SANTA FE, NEW MEXICO 87501
MAR 29 1985
O. C. D.

5A. Indicate Type of Lease
STATE FEE
5. State Oil & Gas Lease No.
E-537

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

10. Type of Work
a. Type of Well
DRILL DEEPEN PLUG BACK
OIL WELL GAS WELL OTHER
SINGLE ZONE MULTIPLE ZONE

7. Unit Agreement Name
Old Loco Unit
8. Farm or Lease Name
Old Loco Unit

2. Name of Operator
Marbob Energy Corporation

9. Well No.
25

3. Address of Operator
P.O. Drawer 217, Artesia, N.M. 88210

10. Field and Pool, or Wildcat
Grbg Jackson SR-Q-G-SA

4. Location of Well
UNIT LETTER **D** LOCATED **330** FEET FROM THE **North** LINE
AND **330** FEET FROM THE **West** LINE OF SEC. **32** TWP. **17S** R. **29E** NMPM

12. County
Eddy

1. Elevations (Show whether DF, RT, etc.) 3608.3' GR	21A. Kind & Status Plug. Bend Statewide active	21B. Drilling Contractor Larue Drilling Co.	19. Proposed Depth 2800'	19A. Formation Grbg, Lovington	20. Rotary or C.T. Rotary	22. Approx. Date Work will start 4/15/85
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PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	8 5/8"	24#	275'	Circ.	
7.7/8"	5 1/2"	15.50#	2800'	300 sax	

We propose to drill to approximately 2800' to test the Grayburg & Lovington formations. We do not anticipate gas at these depths and will not set up a blowout preventer program at this time.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 10-2-85
UNLESS DRILLING UNDERWAY

ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.
Dated 3/28/85 by Carolyn Jewell Title Production Clerk

(This space for State Use)

PROVED BY Mike Williams TITLE OIL AND GAS INSPECTOR DATE APR - 2 1985

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-10
Supersedes O-10
Effective 1-1-85

All distances except to the outer boundaries of the Section

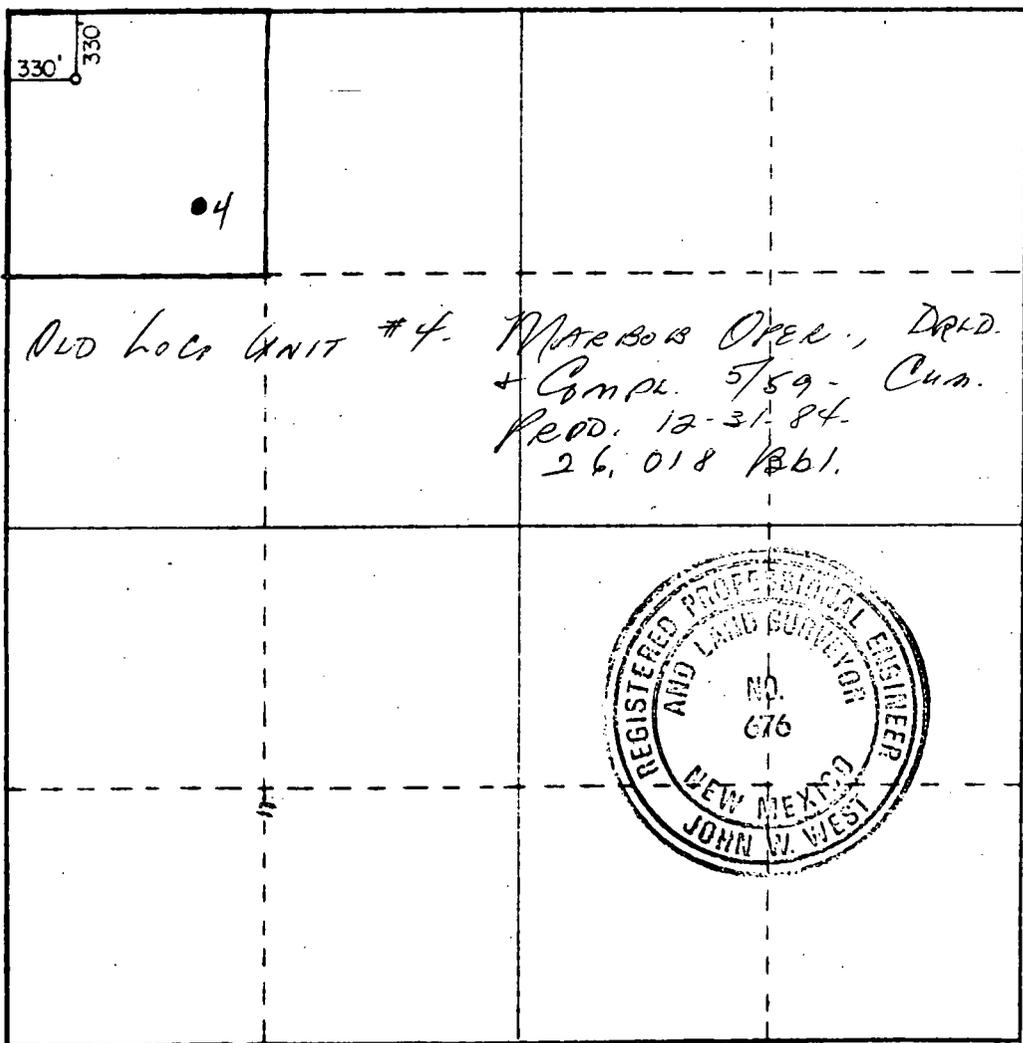
Operator MARBOB ENERGY CORP.		Lease OLD LOCO UNIT			Acres 25
Well Letter D	Section 32	Township 17S	Range 29E	County EDDY	
Actual Footage Location of Well: 330 feet from the NORTH line and 330 feet from the WEST line					
Ground Level Elev. 3608.3	Producing Formation Grayburg, Lovington		Pool Grbg Jackson SR-Q-G-SA	Dedicated Acreage 40	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Carolyn Purcella
Name

Carolyn Purcella

Position

Production Clerk

Company

Marbob Energy Corporation

Date

3/28/85

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

Date Surveyed

3/11/85

Registered Professional Engineer and Land Surveyor

John W. West
Certificate No. **JOHN W. WEST, 676**



Rule 6:

Old Loco Unit #25

Pool: Grayburg Jackson Seven Rivers Queen Grayburg San Andres

Standard spacing unit: 40 acres

Rule 7:

NA

Rule 8:

- a. Old Loco Unit #25 - 330 FNL 330 FWL Sec. 32-T17S-R29E
Old Loco Unit #4 - 990 FNL 990 FWL Sec. 32-T17S-R29E
- b. #25 - 4/11/85
#4 - 4/6/59
- c. #25 - 5/10/85
#4 - 5/18/59
- d. None
- e. #25 - 50 bbl oil, 57 mcf gas/day
#4 - 3/4 bbl oil/day; 4-5 mcf gas/mo.
- f. NA
- g. The Old Loco Unit #25 was drilled because of the low permeability and low quality solution gas recovery mechanism require reduced spacing to efficiently drain the reservoir. Since the #25 experienced new reservoir type conditions we feel the additional drilling was justified.

Paul G. White Engineering

OIL AND NATURAL GAS

May 20, 1985

Marbob Energy Corporation
P. O. Box 217
Artesia, New Mexico 88210

Re: Pertinent Engineering Data
Old Loco Unit
Graybg Jackson SR Q G SA
Eddy County, New Mexico

Gentlemen:

The subject well, located 330' FNL and 330' FWL, Section 32-17S-R29E, Eddy County, New Mexico was completed May 11, 1985.

I have estimated the oil and gas reserves for the subject well based on a 20 acre well density. From the electrical log and analagous well studies, I have estimated that the well will recover 31,327 barrels of oil and 19,410 MCF of gas.

A study of nearby producing well rates and initial potentials reveals that wells will have to be drilled on a 20 acre spacing to properly and adequately recover the oil and gas reserves in this field.

Therefore, it is my recommendation that in-fill wells be drilled and the well density be increased to at least 20 acre spacing.

From my study the in-fill wells will characteristically exhibit new reservoir conditions.

Signed

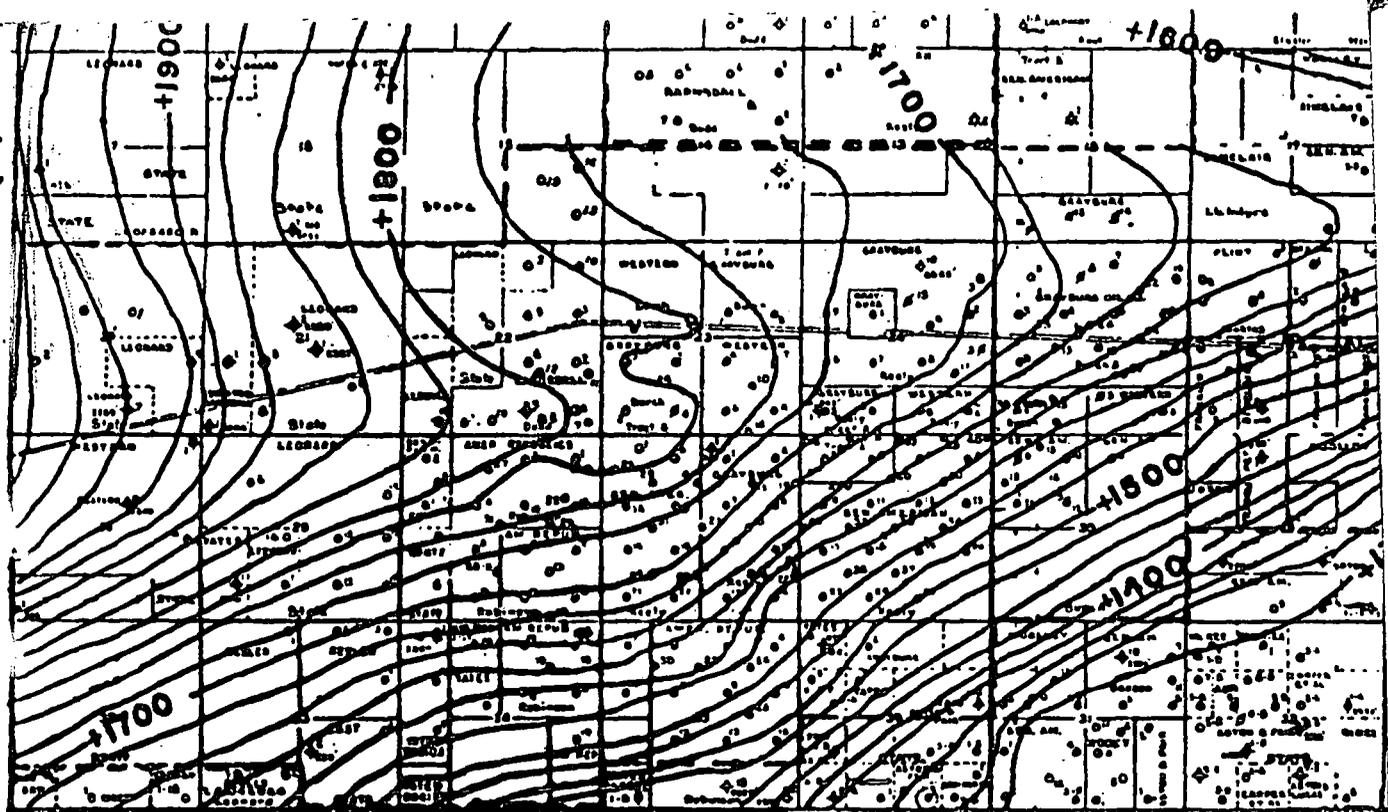
Paul White

Petroleum Engineer

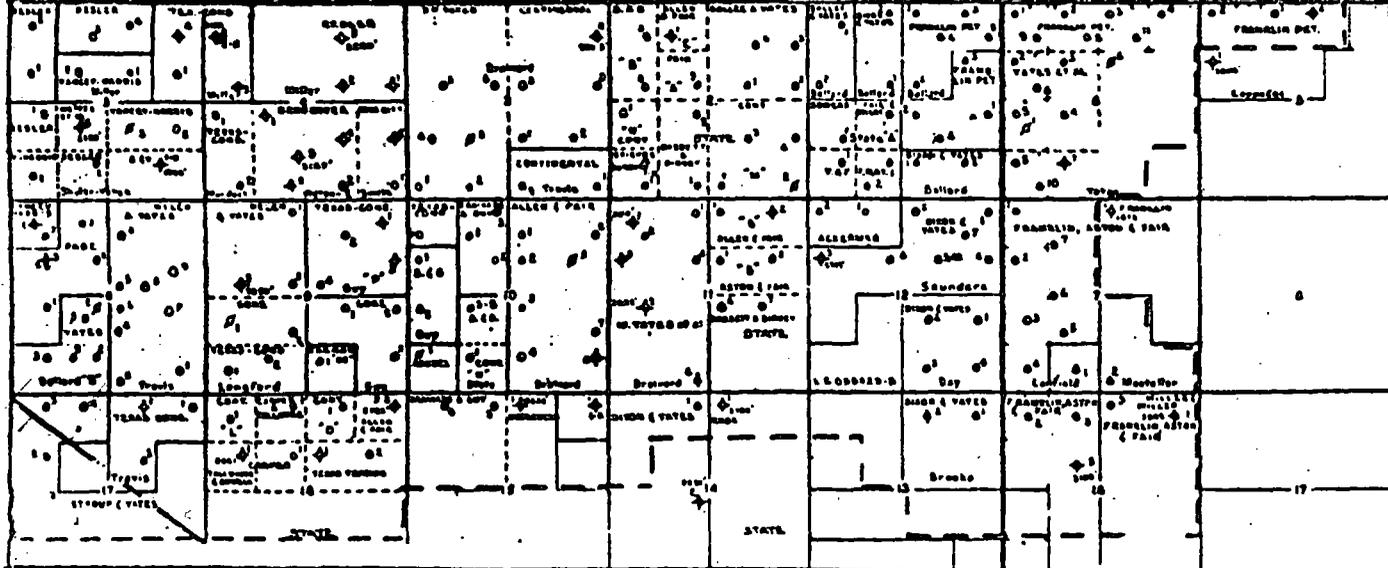
Date

May 20, 1985

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R 29 E

Rule 11:

Notice of this infill request has been sent to Amoco Production Co., P.O. Box 3092, Houston, Texas 77253; Phillips Oil Co., 4001 Penbrook, Odessa, Texas 79762; Delta Drilling Co., P.O. Box 3467, Midland, Texas, 79702; Siete Oil & Gas Co., Petroleum Bldg., Roswell, N.M. 88201.

REQUEST FOR INFILL FINDING ON

OLD LOCOUNIT #25

*in accordance with Administrative
Procedures amended February 8, 1980*

30-015-25239

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

Form C-101
Revised 10-1-78

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OPERATOR	<input checked="" type="checkbox"/>

SANTA FE, NEW MEXICO 87501

RECEIVED BY
MAR 29 1985
O. C. D.

5A. Indicate Type of Lease
STATE FEE
5. State Oil & Gas Lease No.
E-537

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
b. Type of Well
2. Name of Operator
3. Address of Operator
4. Location of Well
5. Unit Agreement Name
6. Farm or Lease Name
7. Well No.
8. Field and Pool, or Wildcat
9. County
10. Proposed Depth
11. Elevation (Show whether DF, K, etc.)
12. Kind & Status Plug. Bond
13. Drilling Contractor
14. Approx. Date Work will start

DRILL DEEPEN PLUG BACK
OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE
Marbob Energy Corporation
P.O. Drawer 217, Artesia, N.M. 88210
UNIT LETTER D LOCATED 330 FEET FROM THE North LINE
AND 330 FEET FROM THE West LINE OF SEC. 32 TWP. 17S RGE. 29E NMPM
Eddy
2800'
Grbg, Lovington
Rotary
3608.3' GR
Statewide active
Larue Drilling Co.
4/15/85

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	8 5/8"	24#	275'	Circ.	
7 7/8"	5 1/2"	15.50#	2800'	300 sax	

We propose to drill to approximately 2800' to test the Grayburg & Lovington formations. We do not anticipate gas at these depths and will not set up a blowout preventer program at this time.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 10-2-85
UNLESS DRILLING UNDERWAY

ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Cynthia Farrell Title Production Clerk Date 3/28/85

(This space for State Use)

APPROVED BY Mike Williams TITLE OIL AND GAS INSPECTOR DATE APR - 2 1985

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-10,
Superseded O-12A
Effective 1-1-85

All distances must be from the outer boundaries of the Section

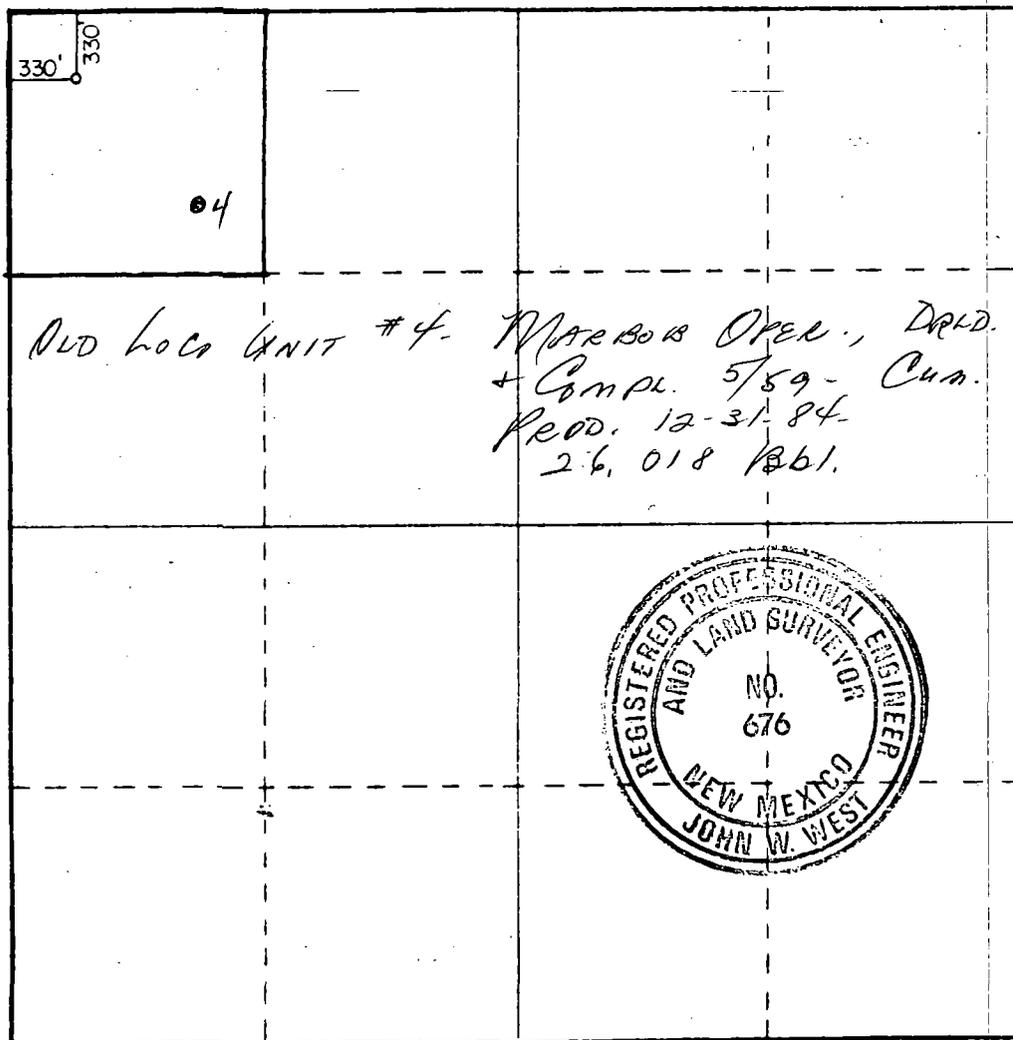
Operator MARBOB ENERGY CORP.		Lease OLD LOCO UNIT			Well No. 25
Unit Letter D	Section 32	Township 17S	Range 29E	County EDDY	
Actual Footage Location of Well: 330 feet from the NORTH line and 330 feet from the WEST line.					
Ground Level Elev. 3608.3	Producing Formation Grayburg, Lovington		Pool Grbg Jackson SR-Q-G-SA	Dedicated Acreage 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Carolyn Purcella
Name

Carolyn Purcella
Position

Production Clerk
Company

Marbob Energy Corporation
Date

3/28/85

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

Date Surveyed

3/11/85

Registered Professional Engineer and Land Surveyor

John W. West
Certificate No. JOHN W. WEST, 676

RONALD J. EIDSON, 3253



Rule 6:

Old Loco Unit #25

Pool: Grayburg Jackson Seven Rivers Queen Grayburg San Andres

Standard spacing unit: 40 acres

Rule 7:

NA

Rule 8:

- a. Old Loco Unit #25 - 330 FNL 330 FWL Sec. 32-T17S-R29E
Old Loco Unit #4 - 990 FNL 990 FWL Sec. 32-T17S-R29E
- b. #25 - 4/11/85
#4 - 4/6/59
- c. #25 - 5/10/85
#4 - 5/18/59
- d. None
- e. #25 - 50 bbl oil, 57 mcf gas/day
#4 - 3/4 bbl oil/day; 4-5 mcf gas/mo.
- f. NA
- g. The Old Loco Unit #25 was drilled because of the low permeability and low quality solution gas recovery mechanism require reduced spacing to efficiently drain the reservoir. Since the #25 experienced new reservoir type conditions we feel the additional drilling was justified.

Paul G. White Engineering

OIL AND NATURAL GAS

May 20, 1985

Marbob Energy Corporation
P. O. Box 217
Artesia, New Mexico 88210

Re: Pertinent Engineering Data
Old Loco Unit
Graybg Jackson SR Q G SA
Eddy County, New Mexico

Gentlemen:

The subject well, located 330' FNL and 330' FWL, Section 32-17S-R29E, Eddy County, New Mexico was completed May 11, 1985.

I have estimated the oil and gas reserves for the subject well based on a 20 acre well density. From the electrical log and analagous well studies, I have estimated that the well will recover 31,327 barrels of oil and 19,410 MCF of gas.

A study of nearby producing well rates and initial potentials reveals that wells will have to be drilled on a 20 acre spacing to properly and adequately recover the oil and gas reserves in this field.

Therefore, it is my recommendation that in-fill wells be drilled and the well density be increased to at least 20 acre spacing.

From my study the in-fill wells will characteristically exhibit new reservoir conditions.

Signed

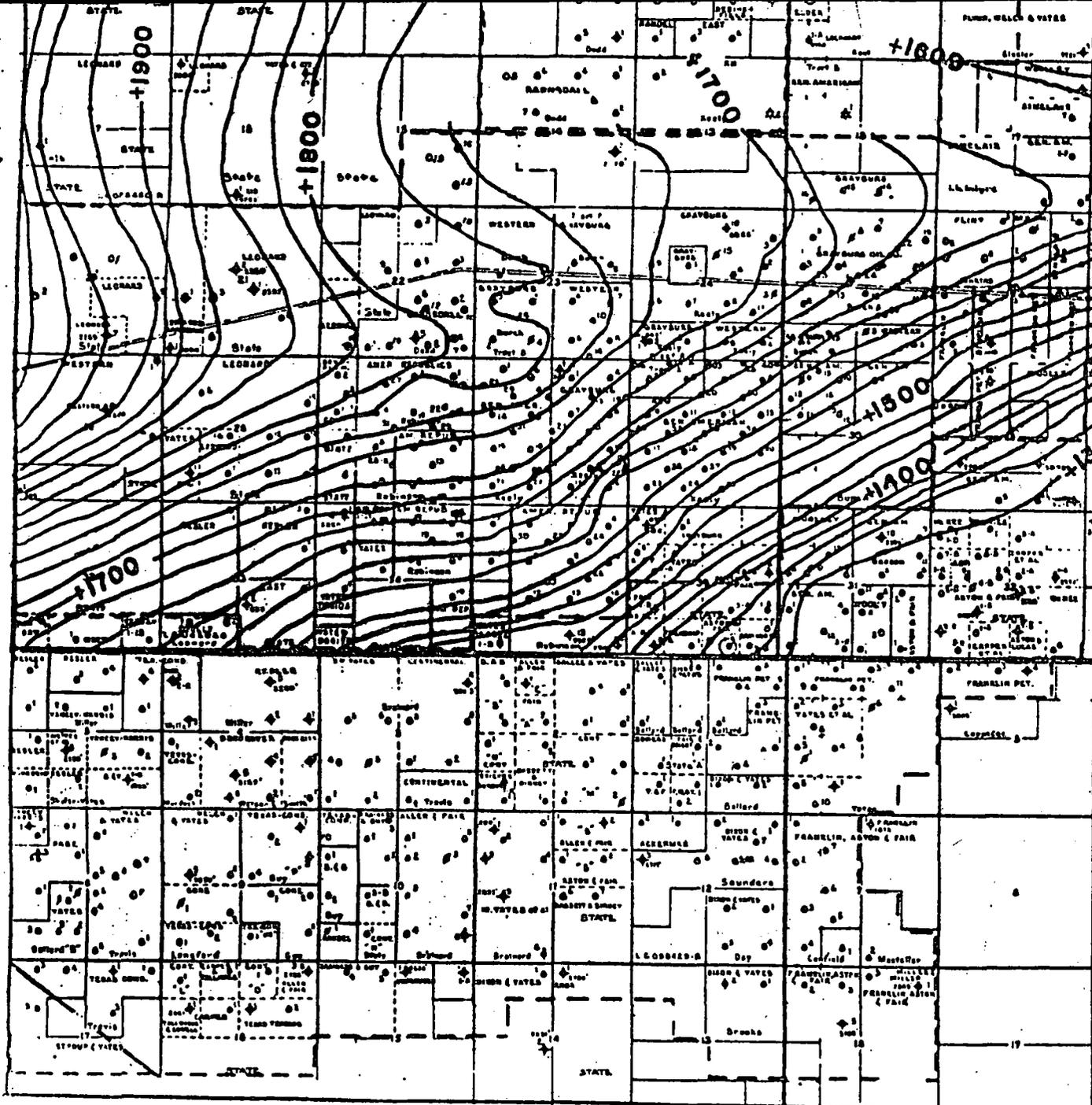
Paul White

Petroleum Engineer

Date

May 20, 1985

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R 29 E

Rule 11:

Notice of this infill request has been sent to Amoco Production Co.,
P.O. Box 3092, Houston, Texas 77253; Phillips Oil Co., 4001 Penbrook,
Odessa, Texas 79762; Delta Drilling Co., P.O. Box 3467, Midland, Texas,
79702; Siete Oil & Gas Co., Petroleum Bldg., Roswell, N.M. 88201.

N MEXICO OIL CONSERVATION COMMISS
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form No. 10
Supersedes 6-1-78
11/16/85

All distances must be from the outer boundaries of the Section

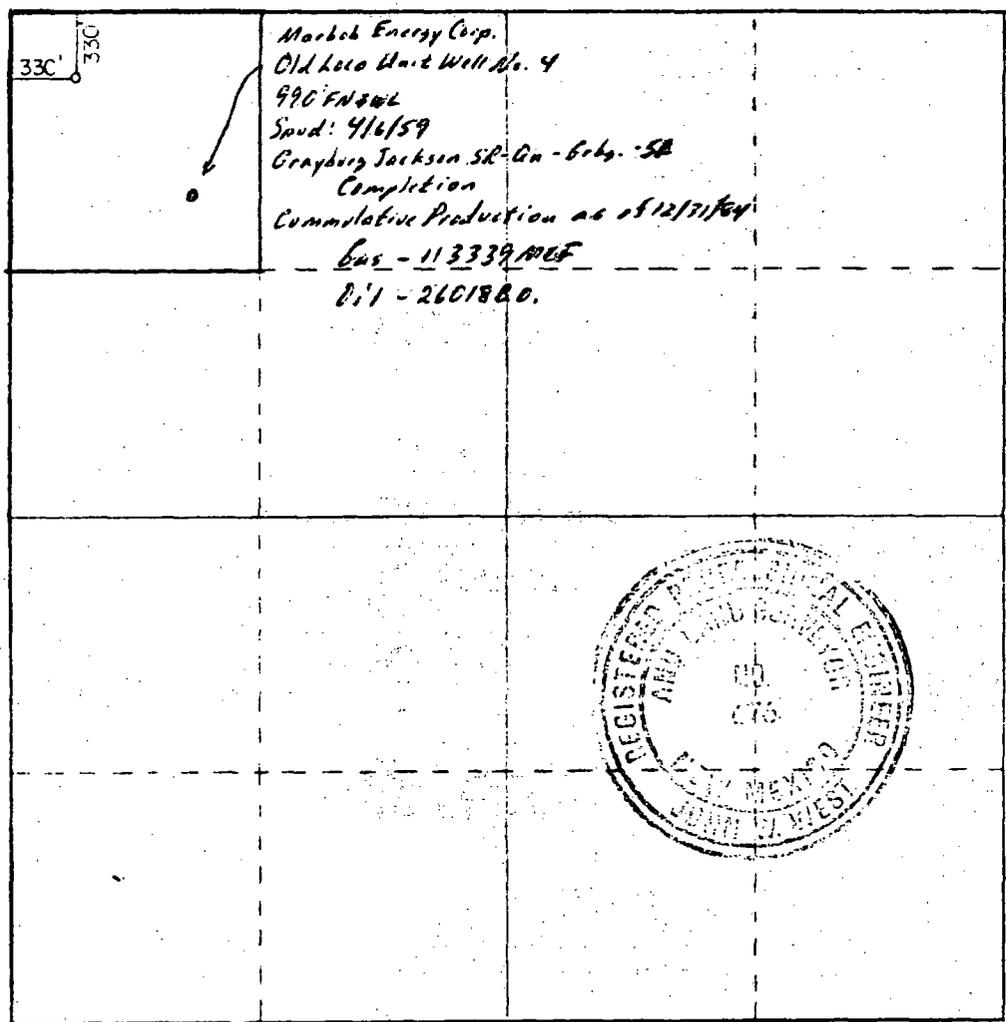
MARBOB ENERGY CORP.		LEASE		OLD LOCO UNIT		ACREAGE	
Section 32		Township 17S		Range 29E		County EDDY	
330 feet from the NORTH line and		330 feet from the WEST line					
Producing Formation Grayburg, Lovington		Feet Grbg Jackson SR-Q-G-SA		Estimated Acreage		40	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
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CERTIFICATION

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

Carolyn Purcella

Carolyn Purcella

Production Clerk

Marbob Energy Corporation

3/28/85

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

3/11/85

John W. West

Certificate No. JOHN W. WEST 576
RONALD E. EIDSON 577