

INFILL DRILLING FINDINGS 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-A

I.
Operator Marbob Energy Corp. Well Name and No. M. Dodd "A" Federal Well No. 25
Location: Unit 0 Sec. 22 Twp. 17 South Rng. 29 East Cty. Eddy

II.
THE DIVISION FINDS:

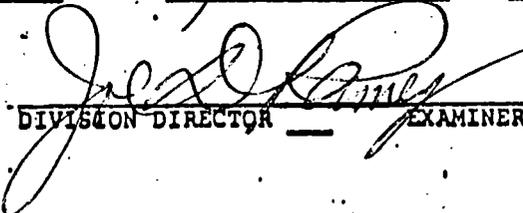
- (1) That Section 271.305(b) of the Federal Energy Regulatory Commission Regulations promulgated pursuant to the Natural Gas Policy Act of 1978 provides that, in order for an infill well to qualify as a new onshore production well under Section 103 of said Act, the Division must find that the infill 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.
- (2) That by Order No. R-6013-A, dated February 8, 1980, 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 completed in the Grayburg Jackson Pool, and the standard spacing unit in said pool is 40 acres.
- (4) That a 40-acre proration unit comprising the SW/4 SE/4 of Sec. 22, Twp. 17 South, Rng. 29 East, is currently dedicated to the M. Dodd "A" Federal Well No. 8 located in Unit 0 of said section.
- (5) That this proration unit is (X) standard () nonstandard; if nonstandard, said unit was previously approved by Order No. _____.
- (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 83,978 MCF of gas from the proration unit which would not otherwise be recovered.
- (8) That all the requirements of Order No. R-6013-A 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.

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 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 26 day of June, 19 84.

cc: Artesia
Well File.
USBLM - Roswell


DIVISION DIRECTOR — EXAMINER —

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

ADMINISTRATIVE ORDER
NFL 87

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

INFILL DRILLING FINDINGS PURSUANT TO
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COMMISSION REGULATIONS, NATURAL GAS POLICY ACT OF 1978
AND OIL CONSERVATION DIVISION ORDER NO. R-6013-A

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Operator Marbob Energy Corporation Well Name and No. M. Dodd A Federal Well No. 25
Location: Unit 0 Sec. 22 Twp. 17 South Rng. 29 East Cty. Eddy

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- (2) That by Order No. R-6013-A, dated February 8, 1980, 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 completed in the Craggery Jackson Pool, and the standard spacing unit in said pool is 40 acres.
- (4) That a 40-acre proration unit comprising the SW 1/4 SE 1/4 of Sec. 22, Twp. 17 South, Rng. 29 East, is currently dedicated to the M. Dodd "A" Federal Well No. 8 located in Unit 0 of said section.
- (5) That this proration unit is standard nonstandard; if nonstandard, said unit was previously approved by Order No. _____.
- (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 83,978 MCF of gas from the proration unit which would not otherwise be recovered.
- (8) That all the requirements of Order No. R-6013-A 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.
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DONE at Santa Fe, New Mexico, on this _____ day of _____, 19_____.

cc. - OGD Arterio
Well File
WSB/M - Roswell

DIVISION DIRECTOR EXAMINER

Request for Infill Finding on

M. Dodd A Fed. #25

in accordance with Administrative

Procedures amended February 8, 1980.

231 C
7 1983

OPERATOR'S COPY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-B1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Marbob Energy Corporation

3. ADDRESS OF OPERATOR
 P.O. Drawer 217, Artesia, N.M. 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements*)
 At surface 990 FSL 2210 FEL
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 20 air miles east of Artesia, N.M. 88210

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 990'

16. NO. OF ACRES IN LEASE 600

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 660'

19. PROPOSED DEPTH 3450'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3547.5' GR

22. APPROX. DATE WORK WILL START* 8/7/83

RECEIVED
OCT 27 1983
OIL CONSERVATION DIVISION
SANTA FE

5. LEASE DESIGNATION AND SERIAL NO.
 LC-028731 (A)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FIRM OR LEASE NAME
 M. Dodd "A"

9. WELL NO.
 25

10. FIELD AND POOL, OR WILDCAT
 Grayburg Jackson

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 22-T17S-R29E

12. COUNTY OR PARISH
 Eddy

13. STATE
 N.M.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	350'	Sufficient to circulate
7 7/8"	5 1/2"	15.50#	3450'	450 sax, to base of salt

Pay zone will be selectively perforated and simulated as needed for optimum production.

- Attached are:
1. Location & acreage dedication plat
 2. Supplemental drilling data
 3. Surface use plan

RECEIVED

AUG 2 1983

OIL & GAS

ROSWELL, NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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 Carolyn Quis TITLE Production Clerk DATE 8/1/83

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Armando P. Lopez TITLE Chief, Branch of Field DATE 8/2/83

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Rule 5

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-132
Supersedes C-124
Effective 1-4-65

All distances must be from the outer boundaries of the Section

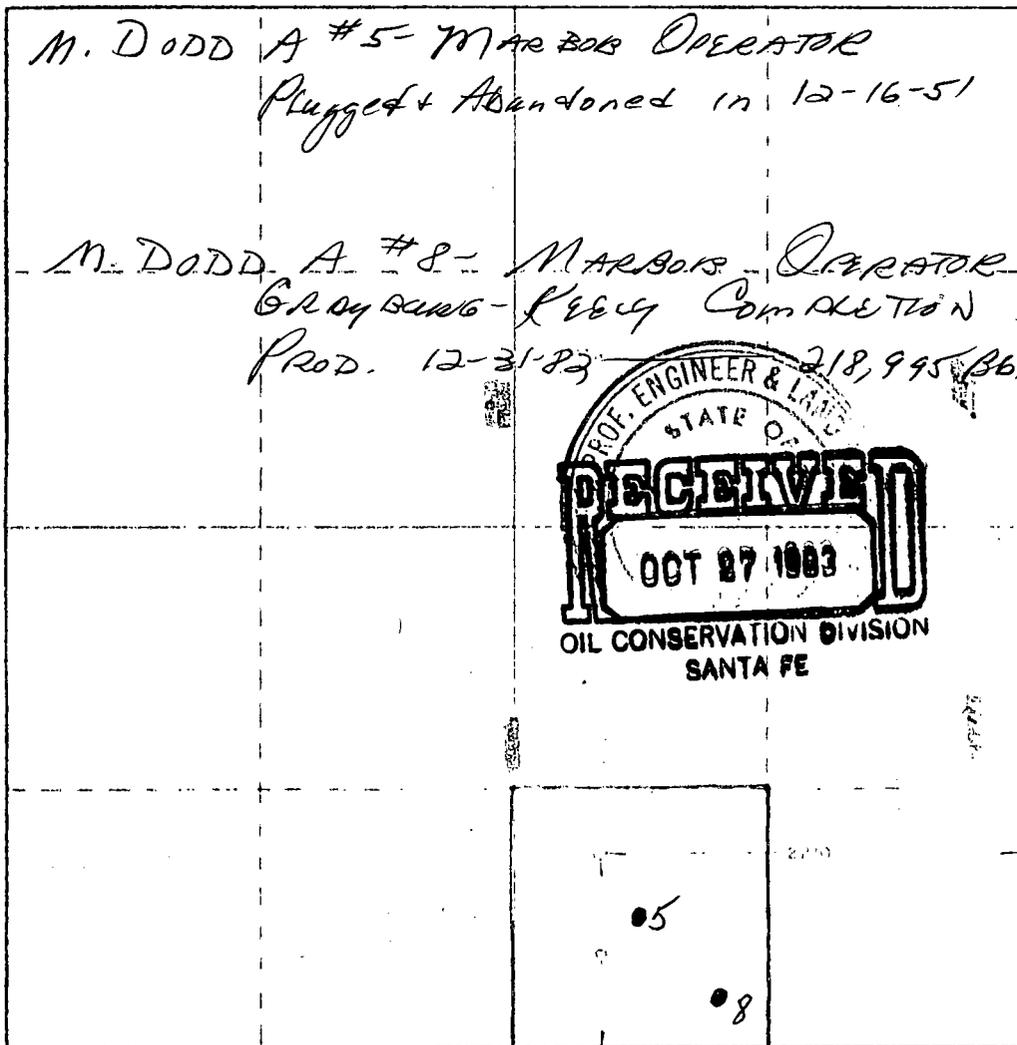
Operator Marbob Energy Corp.			Lease M. Dodd "A"		Well No. 25
Map Letter 0	Section 22	Township 17 South	Range 29 East	County Eddy County	
Actual Footage Location of Well:					
990	feet from the South	Line on:	2210	feet to the East	Line
Ground Level Elev. 3547.5	Producing Formation San Andres		Foot	Estimated Acreage: 40	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 Orris

Carolyn Orris

Production Clerk

Marbob Energy Corporation

8/1/83

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.

July 14, 1983 *Rule 5*

Registered Professional Engineer and Land Surveyor

John W. West

Certificate No. JOHN W. WEST, 676
RONALD J. EIDSON, 3239

Rule 6:

M. Dodd A Fed. #25

Grayburg Jackson Seven Rivers Queen Grayburg Seven Rivers

Standard spacing unit: 40 acres

Rule 7:

NA

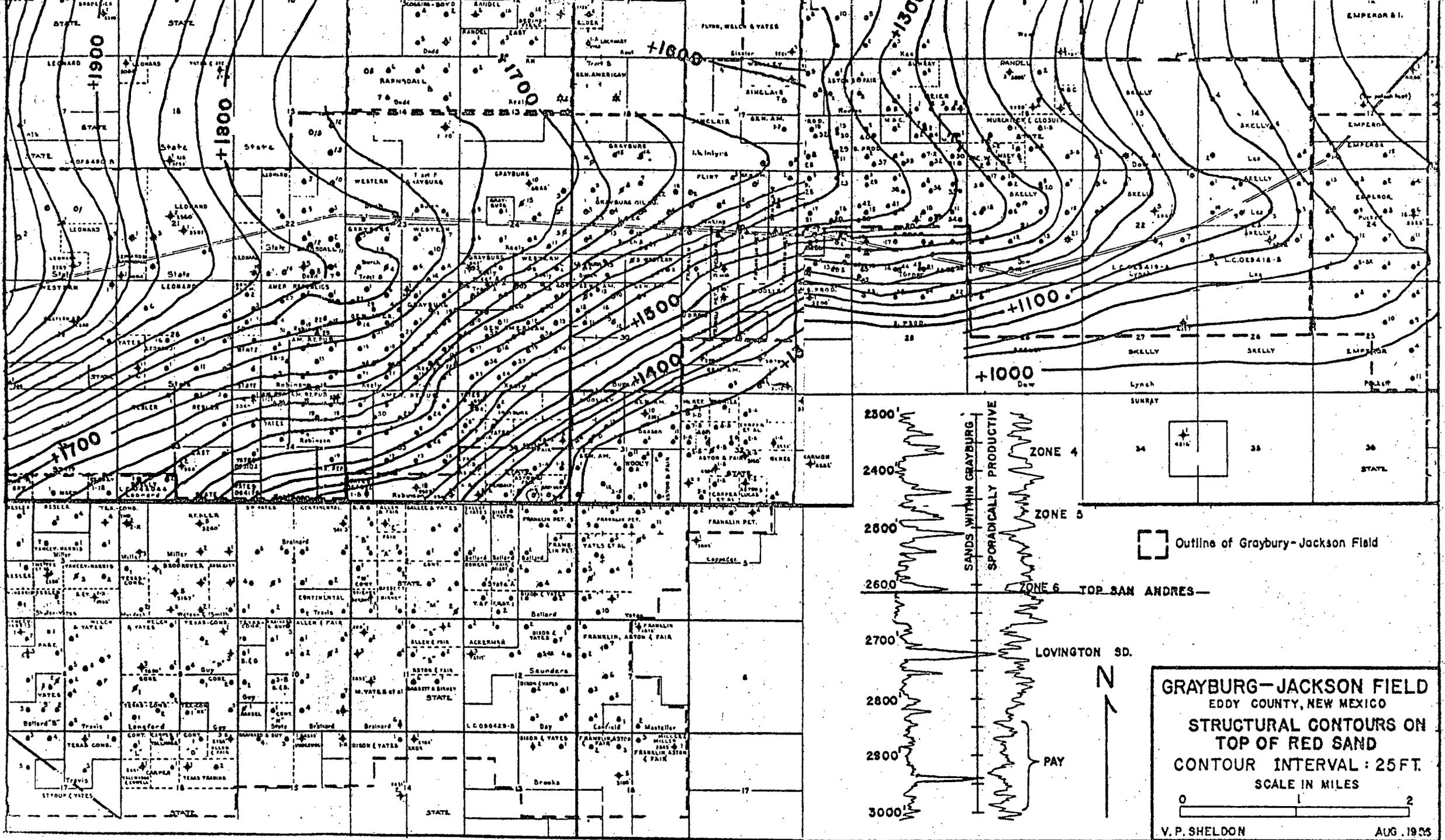
Rule 8:

- a. M. Dodd A Fed. #5 - 660 FSL 1980 FEL Sec. 22-T17S-R29E
M. Dodd A Fed. #8 - 330 FSL 1650 FEL Sec. 22-T17S-R29E
M. Dodd A Fed. #25 - 990 FSL 2210 FEL Sec. 22-T17S-R29E
- b. #5 - 1/25/37
#8 - 6/6/55
#25 - 9/22/83
- c. #5 - 3/30/37
#8 - 7/21/55
#25 - 10/3/83
- c. None
- e. #8 - 18 bbl oil, 10 mcf gas/day
#25 - 61 bbl oil, 170 mcf gas/day
- f. #5 - Plugged & abandoned 12/16/5.
- g. #5 well plugged & abandoned and #8 well produces very little gas. In 1983 the #8 produced only 451 mcf for the entire year. With the new reservoir type production rates obtained in a new well it was necessary to drill the new well to drain the reservoir.

T 17 S

T 18 S

R 29 E



GRAYBURG-JACKSON FIELD
 EDDY COUNTY, NEW MEXICO
STRUCTURAL CONTOURS ON
TOP OF RED SAND
 CONTOUR INTERVAL: 25 FT.
 SCALE IN MILES

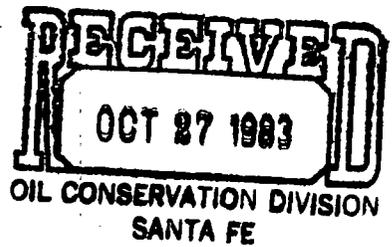
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V. P. SHELDON AUG. 1935

Handwritten signature

Paul G. White Engineering

OIL AND NATURAL GAS



Marbob Energy Corporation
M. Dodd "A" Fed. Well #25
Grayburg Jackson
Eddy County, New Mexico

Pertinent Engineering Data and Conclusions:

Well No. 25 was completed in the Grayburg Jackson Pool on October 4, 1983. This is an infill well located as per the attached plat.

Effective November 1, 1983, oil reserves recoverable will be 37,310 bbls and gas reserves recoverable will 83,978 mcf.

Oil reserves were calculated from the electric log using a volumeter method for a twenty acre drainage. Analagous comparisons of comparable producing well history in the area were also utilized. The economic limit of the well was considered to be reached with a producing rate of 1 BOPD.

The original producing rate on this well was 61 BOPD. This rate is in excess of many of the older wells. It is evident from the producing rate that oil and gas reserves will be recovered only by increased pattern density. It is my conclusion that the infill wells will experience original reservoir conditions.

Paul G. White

Paul G. White
Petroleum Engineer

October 21, 1983

Date

Rule 9-B

Rule 11:

Notice of this infill request has been sent to General American Oil Co., of Texas, P.O. Box 3306, Odessa, Texas 79760; and Tenneco Oil Exploration & Production Co., 6800 Park Ten Blvd., Suite 200 North, San Antonio, Texas 79212, as offset operators.

Request for Infill Finding on

M. Dodd A Fed. #25

in accordance with Administrative
Procedures amended February 8, 1980

331 C
7 1983

OPERATOR'S COPY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-B1423

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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1a. TYPE OF WORK
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20. ROTARY OR CABLE TOOLS
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21. ELEVATIONS (Show whether DF, RT, GR, etc.)
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22. APPROX. DATE WORK WILL START*
 8/7/83

RECEIVED
OCT 27 1983

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AUG 2 1983

OIL & GAS

ROSWELL, NEW MEXICO

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(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Demond A. Lopez TITLE Chief, Branch of Fluids DATE 8/2/83

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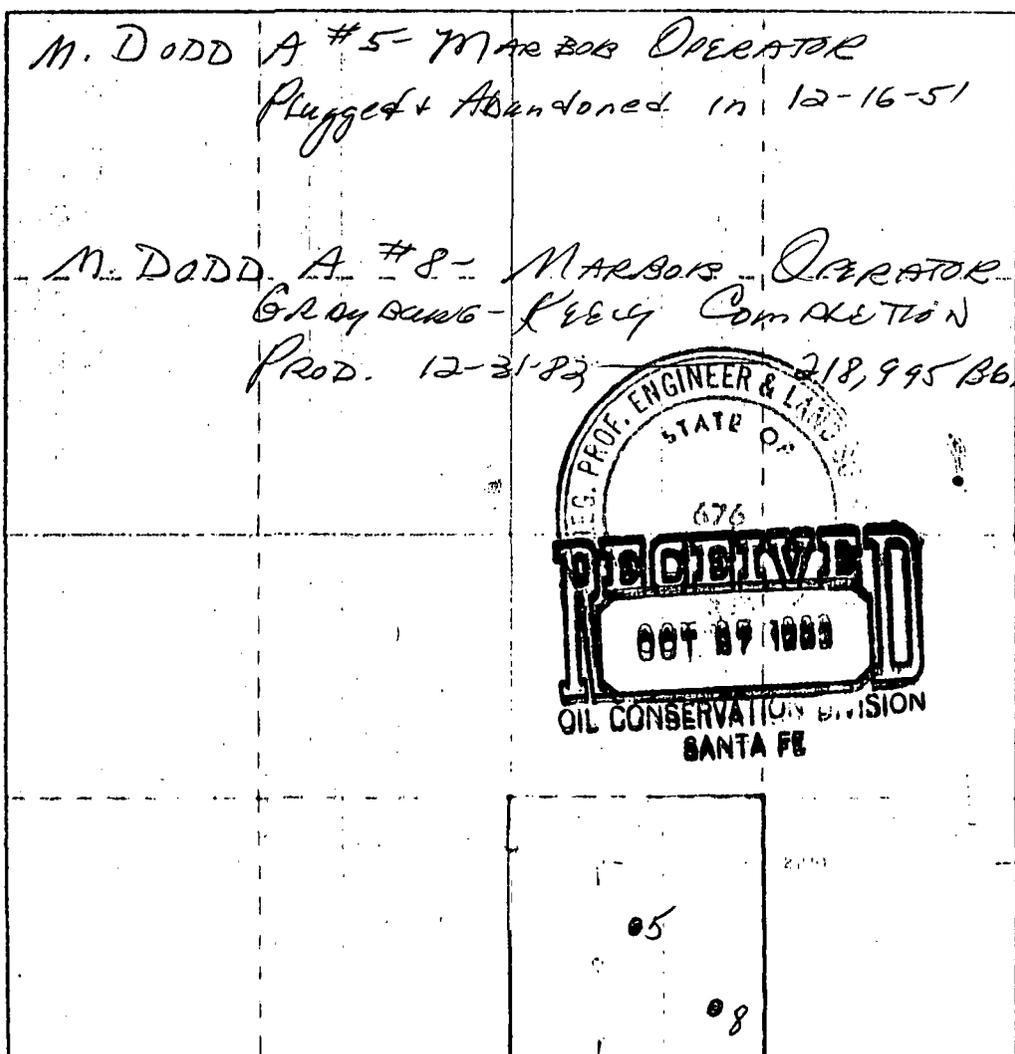
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Carolyn Orris
Production Clerk
Marbob Energy Corporation
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John W. West
July 14, 1983
Registered Professional Engineer and Land Surveyor

Certificate No. JOHN W. WEST, 676
RONALD J. EIDSON, 3239

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M. Dodd A Fed. #25

Grayburg Jackson Seven Rivers Queen Grayburg Seven Rivers

Standard spacing unit: 40 acres

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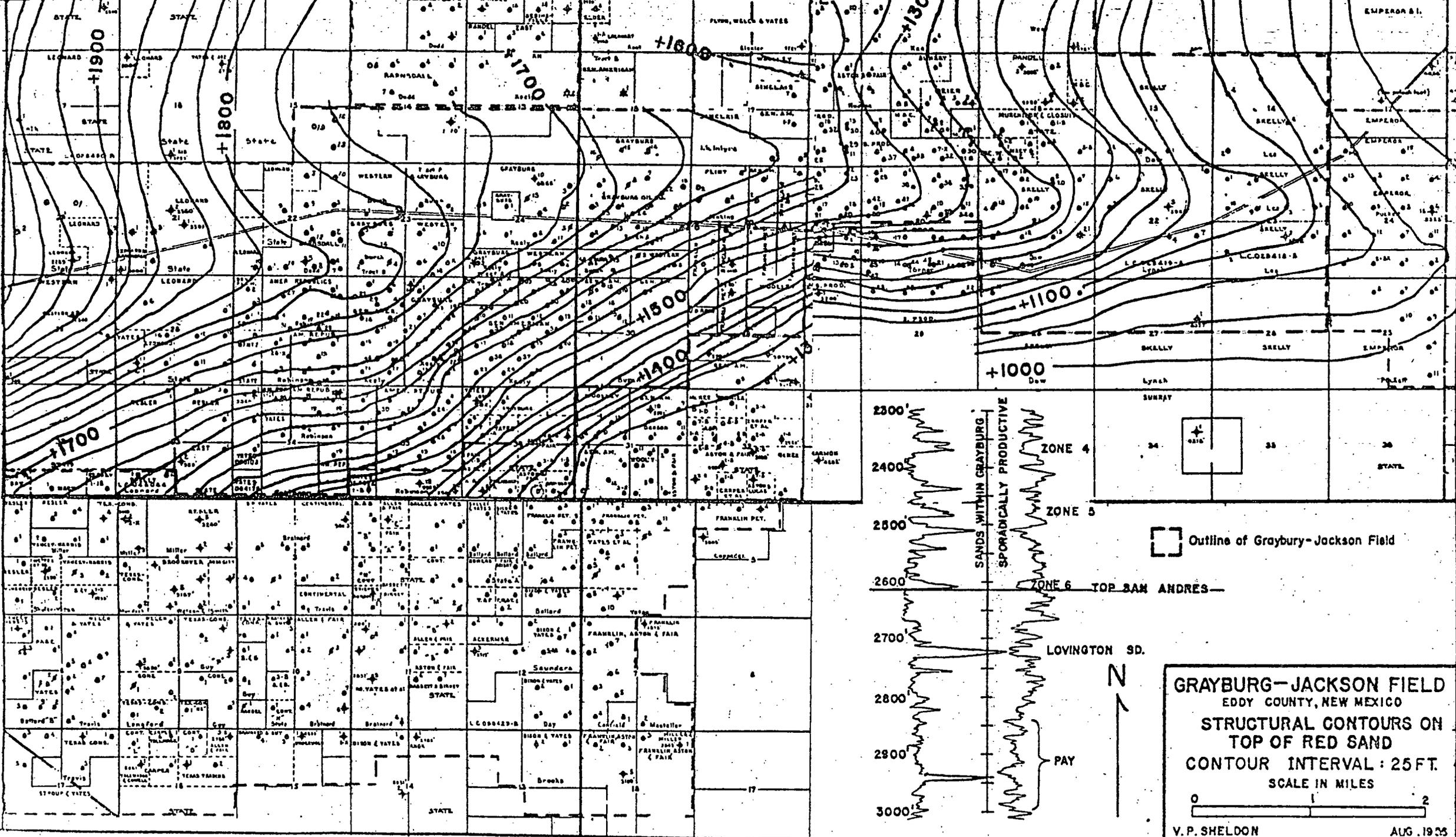
NA

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V. P. SHELDON AUG. 1935

Paul G. White Engineering
OIL AND NATURAL GAS



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Eddy County, New Mexico

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Paul G. White
Petroleum Engineer

October 21, 1983

Date

Rule 9-B

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OCT 22 1983
SANTA FE
DIE CONSERVATION

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