

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. Turkey Track Sec. 3 Unit Well #30
Location: Unit I Sec. 3 Twp. 19 S 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 Turkey Track Seven Rivers Queen-Grayburg-San Andres Pool, and the standard spacing unit in said pool is 40 acres.

(4) That a 40-acre proration unit comprising the NE/4 SE/4 of Sec. 3, Twp. 19 S, Rng. 29 East, is currently dedicated to the applicant's Turkey Track Sec. 3 Unit Well #17 located in Unit I of said section.

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

(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 29,414 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.

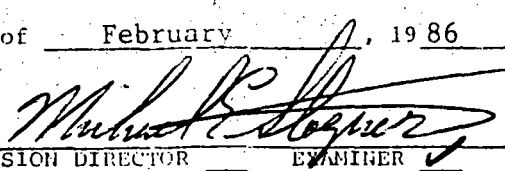
(9) That in order to permit effective and efficient drainage of said proration unit, the subject application should be approved as an exception to the standard well spacing requirements for the pool.

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 4th day of February, 1986.


DIVISION DIRECTOR

EXAMINER

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

ADMINISTRATIVE ORDER
NFL 121

Received 5/17/85
Rakau Ambatly

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 March Energy Corporation Well Name and No. Turkey Track Sec. 3 Unit Well No. 30
Location: Unit I Sec. 3 Twp. 19 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 Turkey Track Seven Rivers - Queen-Grayburg-San Andres Pool, and the standard spacing unit in said pool is 40 acres.

(4) That a 40-acre proration unit comprising the NE 1/4 SE 1/4 of Sec. 3, Twp. 19 South, Rng. 29 East, is currently dedicated to the applicant's Turkey Track Sec. 3 Unit Well No. 17 located in Unit I 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 29,414 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____.

cc - NMDCD Arlesia
NMDCD Hall

DIVISION DIRECTOR _____ EXAMINER _____



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

LARRY KEHOE
SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

REQUEST FOR INFILL FINDING ON
TURKEY TRACK SEC. 3 UNIT #30
in accordance with Administrative
Procedures amended February 8, 1980

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FEB 5 1985

O. C. D.

ARTESIA, OFFICE

Form C-101
Revised 10-1-78

5A. Indicate Type of Lease

STATE ☒ FEDERAL ☐

5. State Oil & Gas Lease No.

B-8876

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

UNIT LETTER I LOCATED 1650 FEET FROM THE South LINE

AND 330

FEET FROM THE East LINE OF SEC. 3 TWP. 19S RCF. 29E

7. Unit Agreement Name

Turkey Track Sec. 3 Ut.

8. Name of Lease

Turkey Track Sec. 3 Ut.

9. Well No.

30

10. Field and Pool, or Wildcat

Turkey Track SR O G SA

12. County

Eddy

19. Proposed Depth

3000'

19A. Formation

Grayburg

20. Rotary or C.T.

Rotary

1. Elevations (show whether DT, RT, etc.)

3395' GR

21A. Kind & Status Plug. Bond

Statewide active

21B. Drilling Contractor

Larue Drilling Co.

22. Approx. Date Work will start

2/7/85

23.

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#

300'

Sufficient to circulate

7 7/8"

5 1/2"

15.50#

3000'

400 sax

We propose to drill to approximately 300', run 8 5/8", circulate cement, drill on to test the Grayburg formation at approximately 3000', run 5 1/2" casing and cement. We do not anticipate gas at this depth and will not set up a blowout preventer program at this time.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 8-11-85
UNLESS DRILLING UNDERWAY

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. 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 Mike Williams Title Production Clerk Date 2/5/85

(This space for State Use) Original Signed By

Mike Williams

Oil & Gas Inspector

FEB 11 1985

APPROVED BY _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

N MEXICO OIL CONSERVATION COMMISS
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
 Supersedes C-128
 Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator MARBOB ENERGY CORP.			Lease TURKEY TRACT SECTION 3 UNIT			Well No. 30		
Tract Letter I	Section 3	Township 19S	Range 29E	County EDDY				
Actual Footage Location of Well: 1650 feet from the SOUTH line and 330 feet from the EAST line								
Ground Level Elev. 3395.0	Producing Formation Grayburg		Pool Turkey Track SR Q G SA			Dedicated Acreage: 40 Acres		

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.

Robert E. McKee McKee State Well No. 4 2310' FSL - 660' FEL Spud: 10/15/44 Pt. A'd: March 1962 Turkey Track SR-Qa- 685-5A Completion Cumulative Prod. O.I. - 13520 B.O. 685 - 0	
Marbob Energy Corporation Turkey Track Sec. 3 Unit Well No. 17 2310' FSL - 990' FEL Spud: 11/23/76 Turkey Track SR-Qa-685-5A Completion Cumulative Production as of 12/31/84 685 - 72314 MCF O.I. - 17774 B.O.	

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
 2/5/85

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
 1/26/85

Registered Professional Engineer and/or Land Surveyor

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

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

Rule 6:

Turkey Track Sec. 3 Unit #30

Pool: Turkey Track Seven Rivers Queen Grayburg San Andres

Standard spacing unit: 40 acres

Rule 7:

NA

Rule 8:

- a. Turkey Track Sec. 3 Unit #30 - 1650 FSL 330 FEL Sec. 3-T19S-R29E
Turkey Track Sec. 3 Unit #17 - 2310 FSL 990 FEL Sec. 3-T19S-R29E
- b. #30 - 2/9/85
#17 - 11/23/76
- c. #30 - 4/21/85
#17 - 2/1/77
- d. None
- e. #30 - 15 bbl oil, 65 mcf gas/day
#17 - 2½ bbl oil, 13 mcf gas/day
- f. NA
- g. The Turkey Track Sec. 3 Unit #30 was drilled because of the low permeability and low quality solution gas recovery mechanism require reduced spacing to efficiently drain the reservoir. Since the #30 experienced new reservoir type conditions we feel the additional drilling was justified.

Paul G. White Engineering

OIL AND NATURAL GAS

May 1, 1985

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

Re: Pertinent Engineering Data
Turkey Track Sec. 3 Unit Well No. 30
Turkey Track SR-Q-GR-SA
Eddy County, New Mexico

Gentlemen:

The subject well, located 1650' FSL and 330' FEL, Section 3-19S-R29E, Eddy County, New Mexico was completed April 22, 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 13,612 barrels of oil and 29,414 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 G. White
Petroleum Engineer

Date

5-1-85

gs



Rule 11:

Notice of this infill request has been sent to Tenneco Oil Production & Exploration Co., 7990 IH 10 West, San Antonio, Texas 78230; and Santa Fe Exploration Co., P.O. Box 1136, Roswell, N.M. 88201.

REQUEST FOR INFILL FINDING ON

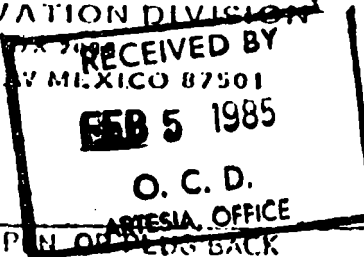
TURKEY TRACK SEC. 3 UNIT #30

in accordance with Administrative
Procedures amended February 8, 1980

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION
P. O. BOX 70
SANTA FE, NEW MEXICO 87501



Form C-101
Revised 10-1-78

5A. Indicate Type of Lease
STATE ☒ SEE ☐
5. State Oil & Gas Lease No.
B-8876

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name Turkey Track Sec. 3 Ut.
2. Name of Operator Marbob Energy Corporation		8. Form or Lease Name Turkey Track Sec. 3 Ut.		9. Well No. 30
3. Address of Operator P.O. Drawer 217, Artesia, N.M. 88210		10. Field and Pool, or Wildcat Turkey Track SR O G SA		
4. Location of Well UNIT LETTER <u>I</u> LOCATED <u>1650</u> FEET S.W. THE <u>South</u> LINE AND <u>330</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>3</u> TWP. <u>19S</u> RCP. <u>29E</u> NMPM		12. County Eddy		
18. Proposed Depth 3000'		19A. Formation Grayburg		20. Rotary or C.T. Rotary
21. Elevations (show whether D.R., H.T., etc.) 3395' GR	21A. Kind & Status Plug. bond Statewide active	21B. Drilling Contractor Larue Drilling Co.	22. Approx. Date Work will start 2/7/85	

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#	300'	Sufficient to circulate	
7 7/8"	5 1/2"	15.50#	3000'	400 sax	

We propose to drill to approximately 300', run 8 5/8", circulate cement, drill on to test the Grayburg formation at approximately 3000', run 5 1/2" casing and cement. We do not anticipate gas at this depth and will not set up a blowout preventer program at this time.

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PERMIT EXPIRES 8-11-85
UNLESS DRILLING UNDERWAY

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. 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 Mike Williams Title Production Clerk Date 2/5/85

(This space for State Use) Original Signed By
Mike Williams
Oil & Gas Inspector

APPROVED BY _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

FEB 11 1985

**MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
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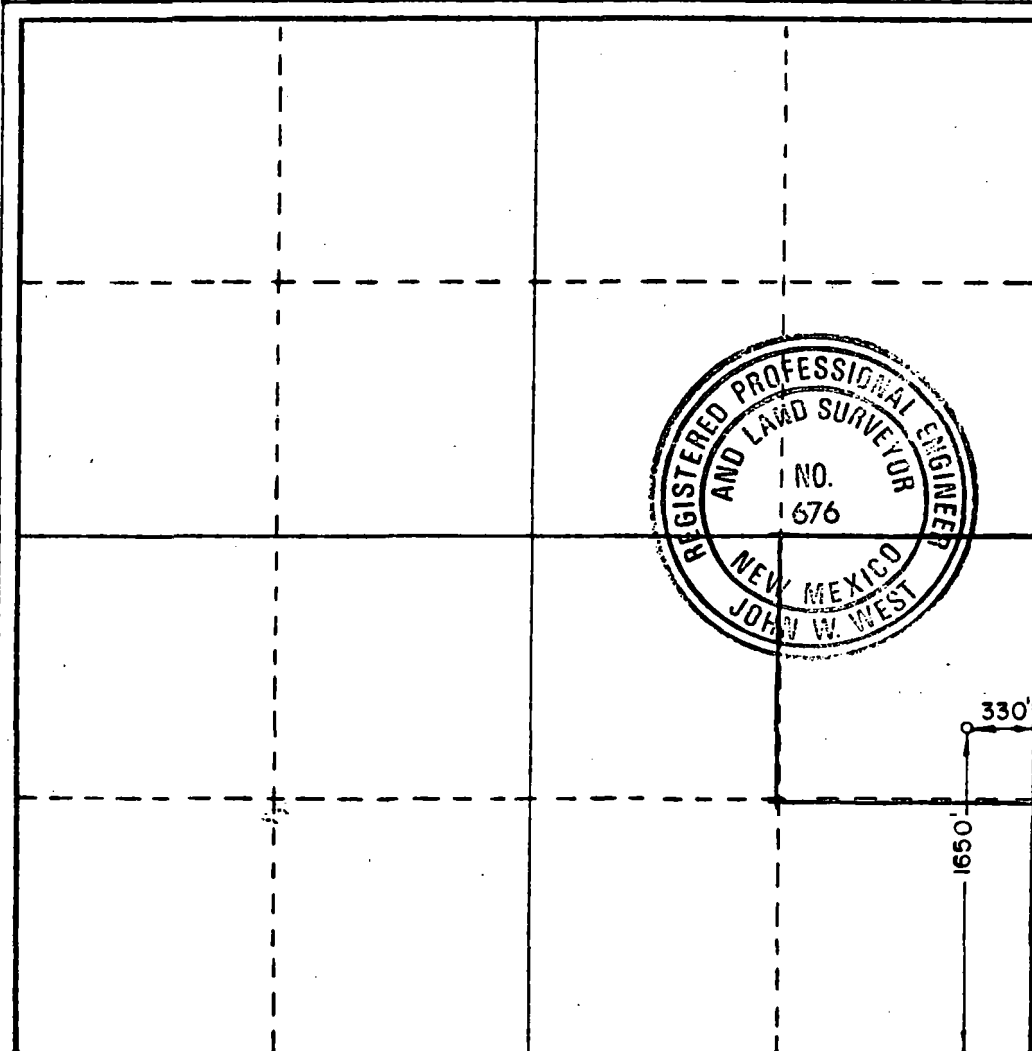
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CERTIFICATION

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Carolyn Purcella
Name

Carolyn Purcella

Position
Production Clerk

Company
Marbob Energy Corporation

Date
2/5/85

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
1/26/85

Registered Professional Engineer and/or Land Surveyor

John W. West

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

RONALD J. EIDSON, 3239

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

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OIL AND NATURAL GAS

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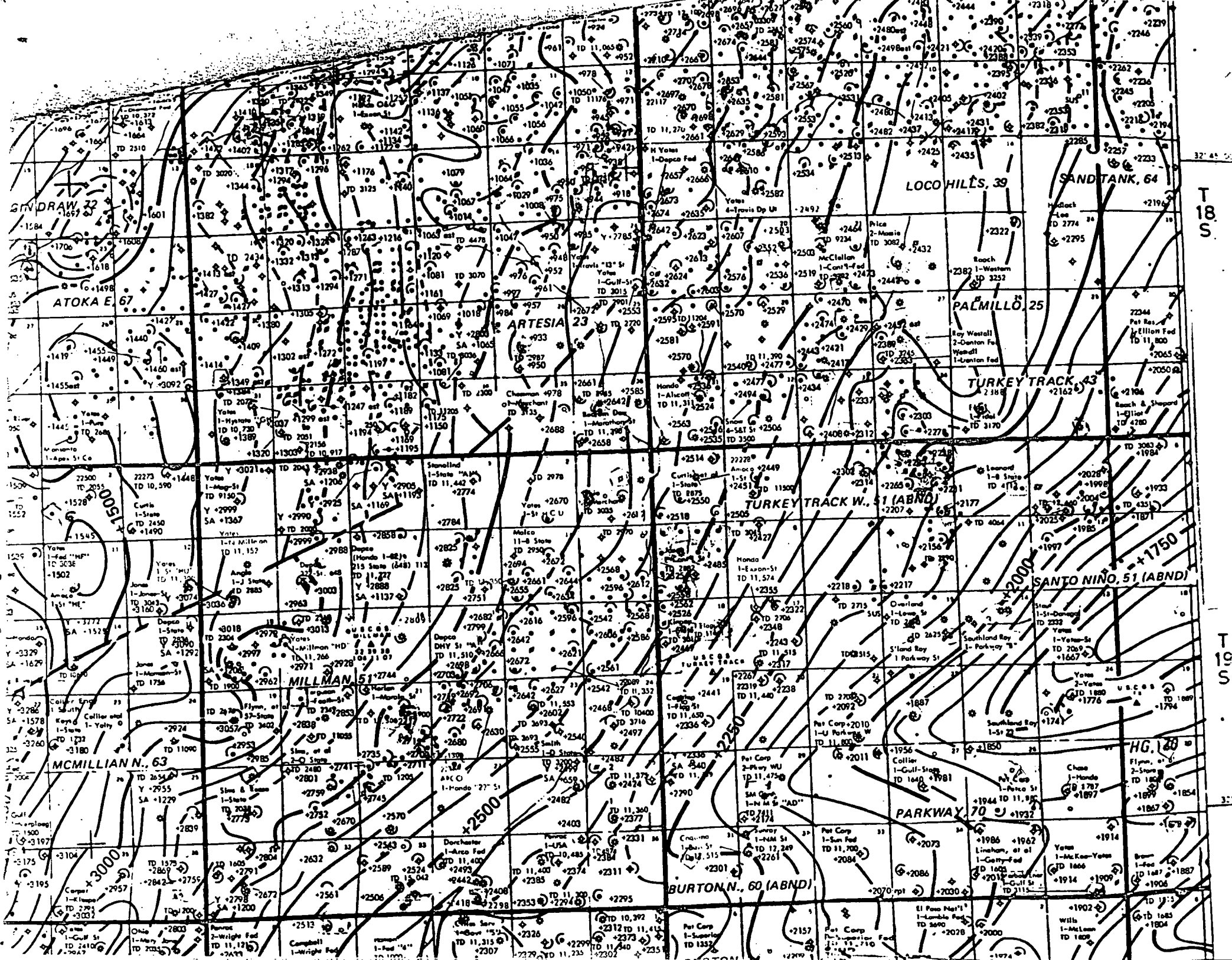
Signed

Paul G. White
Petroleum Engineer

Date

5-1-85

gs



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