



P. O. Box 1416
Roswell, New Mexico
March 31, 1967

WFX-260

12 Apr 19

MAIN OFFICE

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico

'67 APR 4 AM 8 02

Gentlemen:

Sunray DX Oil Company herewith requests administrative approval to convert Foster Eddy No. 4 to water injection service. The conversion of this well will represent an expansion to the Sinclair Keel West Waterflood project approved by the Commission in Case No. 2576, Order No. R-2268.

The subject well is presently temporarily abandoned. It is located in the NW 1/4, Section 17, T-17-S, R-31-E, Eddy County, New Mexico.

We are submitting in triplicate the following:

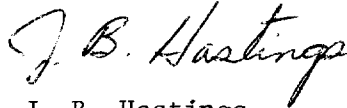
- (A) Plat of the area, showing proposed injection well and location of other properties within the required radius of this project.
- (B) Diagrammatic sketch of proposed injection well completion.
- (C) Waterflood data containing pertinent data.
- (D) Addressee list of operators in the area.
- (E) U.S.G.S. Form No. 9-331, indicating well history of Foster Eddy No. 4.

New Mexico Oil Conservation Commission
March 31, 1967
Page 2

We feel that it is necessary to convert the Foster Eddy No. 4 to injection service in order to maximize oil recovery from our property as well as compliment the orderly development of the Sinclair project.

Yours truly,

SUNRAY DX OIL COMPANY



J. B. Hastings
District Engineer

JBH:DF:sk

cc: State Engineer w/attachments
U.S.G.S., Artesia, w/attachments
N.M.O.C.C., Artesia, w/attachments
Offset Operators as per addressee
List Less attachments

PROPOSED HUDSON-TURNER UNIT

GRAYBURG-JACKSON POOL

EDDY COUNTY, NEW MEXICO

Operators Committee Mailing List

Weier Drilling Company
P. O. Box 1266
Monahans, Texas
Attn: Mr. W. P. Hammond

Tidewater Oil Company
P. O. Box 1231
Midland, Texas
Attn: Mr. R. H. Coe

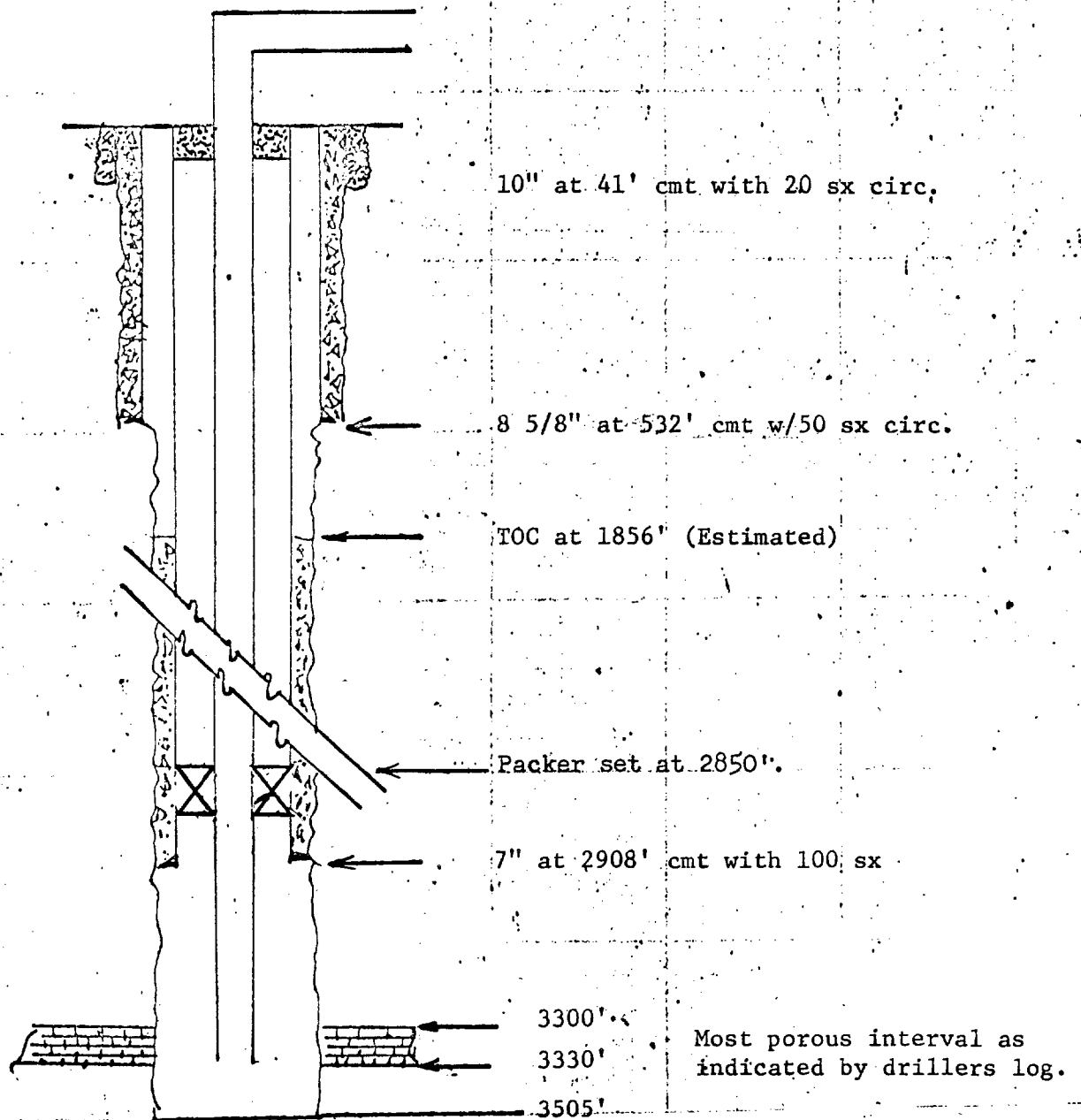
Franklin, Aston & Fair
P. O. Box 1090
Roswell, New Mexico 88201
Attn: Mr. Rogers Aston

Murchison & Closuit
D-105
Petroleum Center
San Antonio, Texas

Sinclair Oil & Gas Company
P. O. Box 1920
Hobbs, New Mexico 88240

Kersey & Company
P. O. Box 305
Artesia, New Mexico
Attn: Mr. Harold Kersey

Location: Unit C, Section 17,
T-17-S, R-31-E, Eddy County,
New Mexico.



SUNRAY DX OIL COMPANY

WATERFLOOD DATA

Lease: Foster Eddy

Field: Grayburg Jackson

Project: Sinclair Keel West. Commission Order No. R-2268

Well No: 4

Location of well: 660' FNL & 1980' FWL, Sec. 17-17S-31E, Eddy County, N.M.

Date well completed: 1-11-44

Present status of well: TA

Present producing formation: Grayburg-Jackson

Present producing interval: Open hole 2960'-3505'

Proposed status of well: Convert to water injection

Type of injection fluid: Fresh water

Formation in which water is to be injected into: Grayburg formation

Top of formation: 2960

Bottom of formation: 3505

Proposed injection interval: 2960-3505

Source of injection water: Pressured water pruchased from Sinclair Oil Co.

Anticipated volumes to be injected: 300 BPD

Anticipated injection pressure: 2000 psig

Maximum injection pressure: 2400 psig

Mailing address of Sunray District office which is responsible for this project: Sunray DX Oil Company, P. O. Box 1416, Roswell, New Mexico.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

0-49998A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Foster Eddy

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Grayburg Jackson

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

Sec. 17, T-17-S, R-29-E

12. COUNTY OR PARISH 13. STATE

Eddy New Mexico

1. OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

Sunray DX Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 1416, Roswell, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

660' FNL & 1980' FWL of Section 17, T-17-S, R-29-E

14. PERMIT NO.

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

3710 DF

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

Convert to Injection

☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other)

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. Move in and rig up workover rig.
2. Pull tubing.
3. Rerun tubing with Baker Model "AD" Packer. Hydrotest tubing into hole.
4. Set packer at approximately 2850'.
5. Install injection head.
6. Start water into well.

18. I hereby certify that the foregoing is true and correct

SIGNED

J.B. Hastings

J.B. Hastings

TITLE

District Engineer

DATE

March 31, 1967

(This space for Federal or State office use)

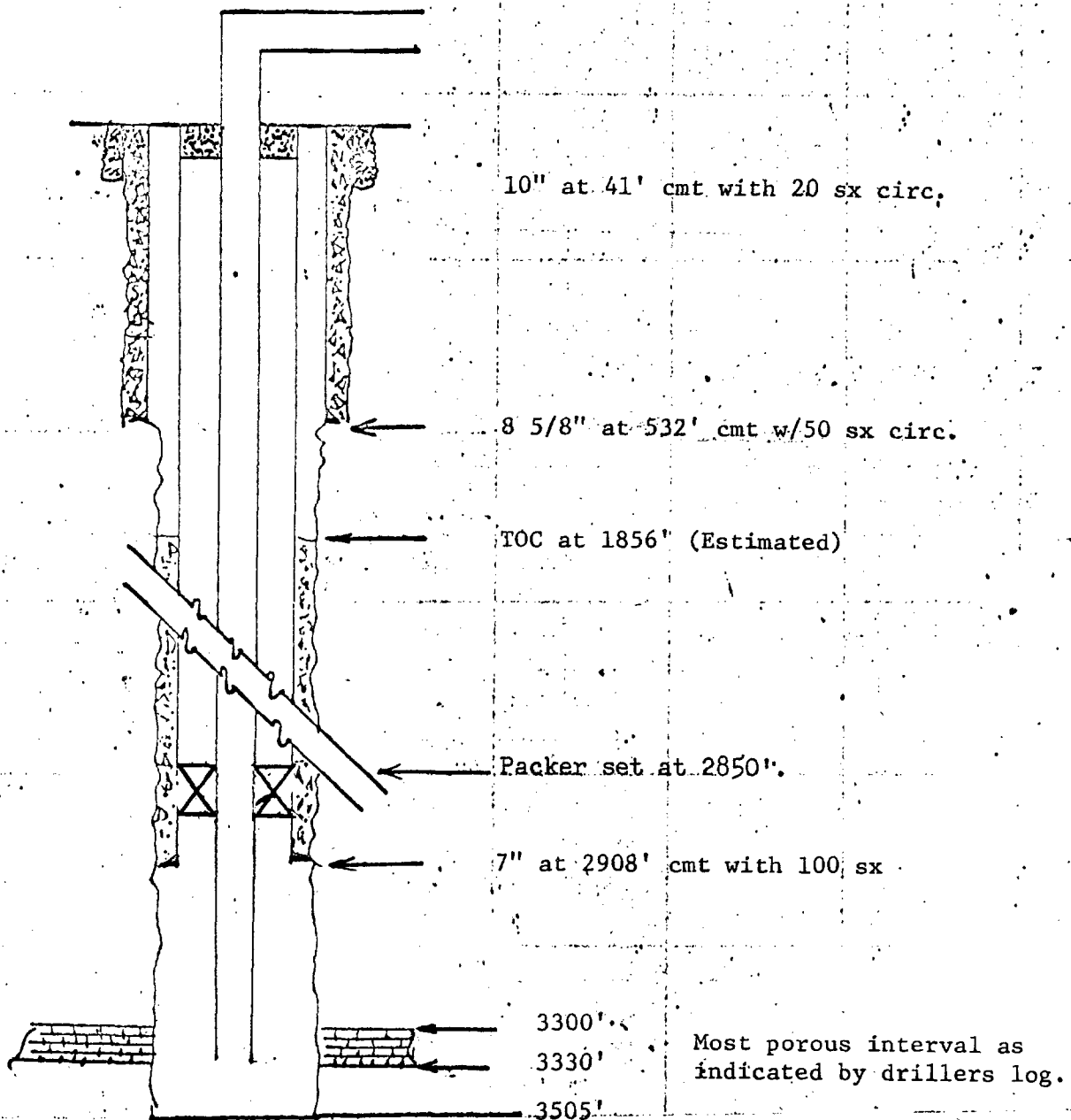
APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Diagrammatic Sketch of Injection Well
Sunray DX Oil Company
Lease: Foster Eddy
Well No: 4
Location: Unit C, Section 17,
T-17-S, R-31-E, Eddy County,
New Mexico.



PROPOSED HUDSON-TURNER UNIT

GRAYBURG-JACKSON POOL

EDDY COUNTY, NEW MEXICO

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Kersey & Company
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Attn: Mr. Harold Kersey

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 0-49998A	
2. NAME OF OPERATOR Sunray DX Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 1416, Roswell, New Mexico		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' FNL & 1980' FWL of Section 17, T-17-S, R-29-E		8. FARM OR LEASE NAME Foster Eddy	
14. PERMIT NO.		9. WELL NO. 4	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3710 DF		10. FIELD AND POOL, OR WILDCAT Grayburg Jackson	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 17, T-17-S, R-29-E	
		12. COUNTY OR PARISH Eddy	13. STATE New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) Convert to Injection <input checked="" type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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18. I hereby certify that the foregoing is true and correct

SIGNED J.B. Hastings J.B. Hastings TITLE District Engineer DATE March 31, 1967

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

MAIN OFFICE
APR 7 7 PM 1
Sunray DX Oil Company

District Office



P. O. Box 1416
Roswell, New Mexico
March 31, 1967

RECEIVED

APR 4 1967

O. C. C.
ARTESIA, OFFICE

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico

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- (E) U.S.G.S. Form No. 9-331, indicating well history of Foster Eddy No. 4.

Xerox copy to Jim Kupteina
4-6-67.

No objection to this
application

Dick



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

**S. E. REYNOLDS
STATE ENGINEER**

April 10, 1967

ADDRESS CORRESPONDENCE TO:
STATE CAPITOL
SANTA FE, NEW MEXICO 87501

Mr. A. L. Porter, Jr.
Secretary-Director
Oil Conservation Commission
Santa Fe, New Mexico

Dear Mr. Porter:

Reference is made to Sunray DX Oil Company's application to convert their Foster Eddy No. 4 well in Unit C of Sec. 17, T. 17 S., R. 31 E., to water injection service.

Since injection is to be through tubing below a packer set well below the top of the cement surrounding the 7" casing and the fluid injected is to be fresh water, it does not appear that contamination of the fresh waters in the area is likely to occur.

FEI/ma
cc-Sunray DX Oil Co.
F. H. Hennighausen

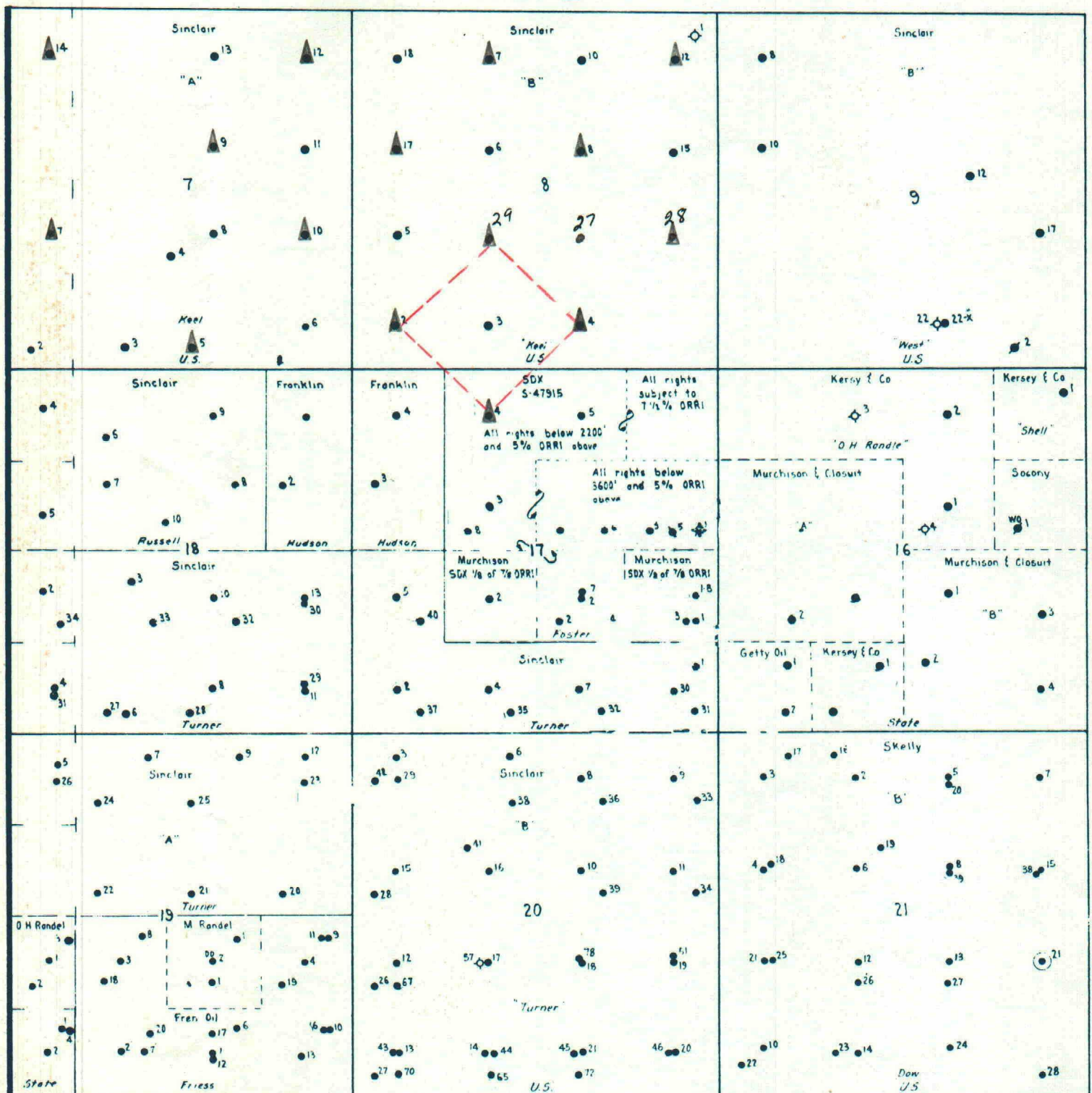
Yours truly,

S. E. Reynolds
State Engineer

By:

Frank E. Irby
Chief
Water Rights Div.

R 31 E



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17
S

WELL INDEX & LEASE PLAT