

# Sunray DX Oil Company



District Office

P. O. Box 1416  
Roswell, New Mexico

September 16, 1968

*WFX-298*

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

*June 1st 2*

RE: Metex Waterflood

Gentlemen:

Sunray DX Oil Company herewith requests administrative approval to convert the following wells to water injection.

Continental "U" State No. 3 located in Unit F of Section 15,  
T-17-S, R-29-E, Eddy County, New Mexico

M. Dodd "B" No. 32 located in Unit F of Section 11, T-17-S,  
R-29-E, Eddy County, New Mexico

These conversions will represent an expansion of the SDX Metex Waterflood approved by the Commission in Case No. 3343, Order No. R-3013, dated December 3, 1965.

In compliance with State Rule 701 E-5, we are submitting in triplicate the following:

1. Plat of the area, showing the proposed injection wells and the location of other properties within the required radius of the project.
2. Diagrammatic sketch of the proposed injection well completions.
3. Waterflood data containing pertinent information.
4. Form C-116, indicating the response indicated on wells in the present SDX Metex Waterflood.
5. Logs are not available at this time.

New Mexico Oil Conservation Commission  
September 16, 1968  
Page 2

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Previous expansions to the Metex Waterflood have been granted by the Commission with Order Numbers WFX-254, WFX-266, WFX-268, and WFX-288.

Sincerely,

SUNRAY DX OIL COMPANY



F. D. Lebo  
District Engineer

RDL/GHN/nsh

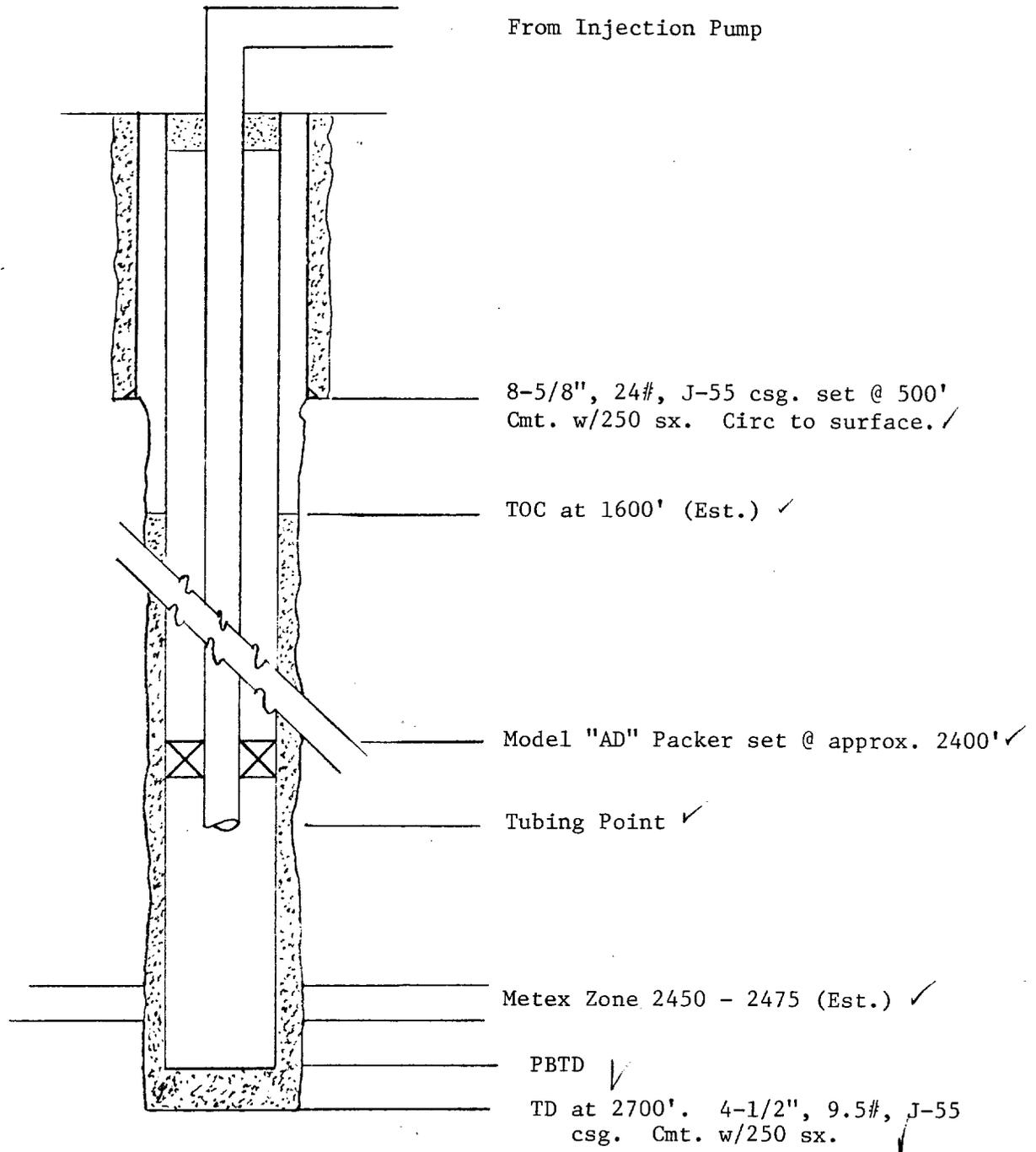
Attachments

cc: NMOCC - Artesia (L/Attachments)  
USGS - Artesia (L/Attachments)

CONTINENTAL "U" STATE NO. 3

1980' FNL, 1980' FWL, Sec. 15, T-17-S, R-29-E

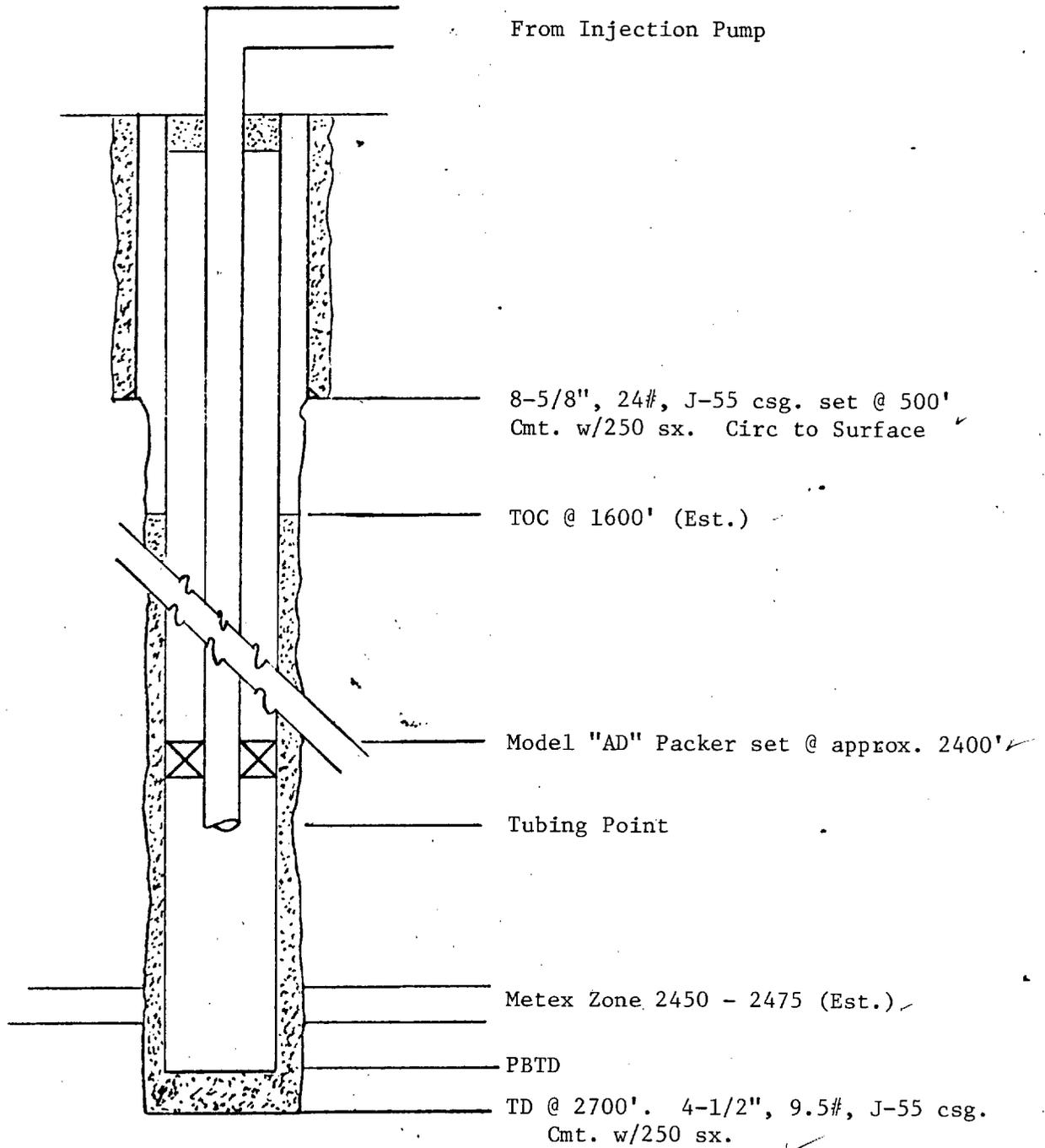
EDDY COUNTY, NEW MEXICO



M. DODD "B" NO. 32

1980' FNL, 1980' FWL, Sec. 11, T-17-S, R-29-E

EDDY COUNTY, NEW MEXICO



SUNRAY DX OIL COMPANY

WATERFLOOD DATA

LEASE: Continental "U" State

FIELD: Grayburg Jackson

PROJECT: SDX Metex Waterflood Comm. Order No. R-3013

WELL NO.: 3

LOCATION OF WELL: 1980' FNL, 1980' FWL, Section 15, T-17-S, R-29-E, Eddy County,  
New Mexico

DATE WELL COMPLETED: Not drilled yet

PRESENT STATUS OF WELL: Not drilled

PRESENT PRODUCING INTERVAL: To be completed in Metex

PROPOSED STATUS OF WELL: Water Injection

TYPE OF INJECTION FLUID: Fresh Water

FORMATION IN WHICH WATER IS TO BE INJECTED INTO: (Metex Zone) Grayburg Formation

TOP OF FORMATION: 2450 (Est.)

BOTTOM OF FORMATION: 2475 (Est.)

PROPOSED INJECTION INTERVAL: 2450 - 2475 (Est.)

SOURCE OF INJECTION: Purchased from Yucca Water Company, Lovington, New Mexico

ANTICIPATED VOLUMES TO BE INJECTED: 250 BPD

ANTICIPATED INJECTION PRESSURE: 1200 PSIG

MAXIMUM INJECTION PRESSURE: 1500 PSIG

Mailing address of Sunray DX District Office which is responsible for this project:

Sunray DX Oil Company  
P. O. Box 1416  
Roswell, New Mexico 88201

SUNRAY DX OIL COMPANY

WATERFLOOD DATA

LEASE: M. Dodd "B"

FIELD: Grayburg Jackson

PROJECT: SDX Metex Waterflood Comm. Order No. R-3013

WELL NO.: 32

LOCATION OF WELL: 1980' FNL, 1980' FWL, Section 11, T-17-S, R-29-E, Eddy County,  
New Mexico

DATE WELL COMPLETED: Not drilled yet

PRESENT STATUS OF WELL: Not drilled

PRESENT PRODUCING INTERVAL: To be completed in Metex

PROPOSED STATUS OF WELL: Water Injection

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NEW MEXICO OIL CONSERVATION COMMISSION  
GAS-OIL RATIO TESTS

C-116  
Revised 1-1-65

Operator		Pool		County		TYPE OF TEST - (X)		Completion <input type="checkbox"/>		Special <input checked="" type="checkbox"/>																	
Sunray DX Oil Company		Grayburg Jackson		Eddy		SCHEDULED <input type="checkbox"/>																					
Address		WELL NO.		LOCATION		DATE OF TEST		CHOKE SIZE		TBG. PRESS.		DAILY ALLOWABLE		LENGTH OF TEST HOURS		WATER BBLs.		GRAV. OIL		OIL BBLs.		GAS M.C.F.		GAS - OIL RATIO CU.FT./BBL			
LEASE NAME		U	S	T	R																						
M. Dodd "B"		23	K	11	17S	29E	4-10-68	P	-	-	38	24	0	28	14	18.75	1340										
		23	K	11	17S	29E	6-05-68	P	-	-	27	24	0	28	29	55.0	1900										
		25	G	15	17S	29E	3-06-68	P	-	-	38	24	0	28	20	7.55	378										
		25	G	15	17S	29E	6-12-68	P	-	-	27	24	0	28	27	9.36	347										

NOTE:

Tests show production before and after waterflood response.

No well will be assigned an allowable greater than the amount of oil produced on the official test.  
 During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.  
 Gas volumes must be reported in MCF measured at a pressure base of 15,025 psia and a temperature of 60° F. Specific gravity base will be 0.60.  
 Report casing pressure in lieu of tubing pressure for any well producing through casing.  
 Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

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

*F. D. Lebo*  
 (Signature)  
 District Engineer

9-16-68  
 (Title)  
 (Date)

SKOCC  
P.H. Jim Kapteina

RECEIVED

SEP 23 1968

**Sunray DX Oil Company**



September 16, 1968

District Office  
P. O. Box 1416  
Roswell, New Mexico

WFX

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

Due Oct 2

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No objection to this application.  
P.L.R.

CAVE POOL UNIT



SUNRAY DX OIL COMPANY

METEX WATERFLOOD

T-17-S, R-29-E, Eddy County, N. M.