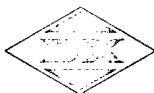


5 FOCC

Jim Kapteina

Sunray DX Oil Company

April 9, 1968



P. O. Box 1416
Roswell, New Mexico

RECEIVED

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

APR 10 1968

S. C. C.
ARTESIA OFFICE

Gentlemen:

Sunray DX Oil Company request approval to convert the Boyd - Todd "D" Well Numbers 4 and 5 to water injection service. This will be an expansion of our Metex Secondary Recovery Project, approved by the Commission in Case No. 3343, Order No. R-3018, dated December 3, 1965. The subject wells are located in Section 11, T-17-S, R-29-E, Eddy County, New Mexico.

The following data are submitted in compliance with State Rule 701 E-5.

1. A plat of the area, showing the proposed injection wells.
2. Diagrammatic sketch of proposed injection wells.
3. Pertinent waterflood data.
4. Logs of the proposed injection wells are not available at present. MAIL OFFICE
260 APR 11 AM 8 31
5. Addressee list of offset operators.
6. Form C-116 showing production test before and after waterflood response.

Previous expansions to the waterflood have been granted by the Commission with Order Numbers WFL-154, WFL-206, and WFL-208.

Sincerely,

SUNRAY DX OIL COMPANY

John Hastings
John Hastings
District Engineer

JH/RM/nsh

cc: USGS - Artesia
HMOCC - Artesia
Offset operators as per addressee
list, less attachments

Xerox note to Santa Fe
H-10-68 No objection
To this app
APL

APR 10 AM 9 23
Sunray DX Oil Company



District Office

April 9, 1968

P. O. Box 1416
Roswell, New Mexico

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

WFX - 288
Rec April 15

Gentlemen:

Sunray DX Oil Company request approval to convert the Boyd - Dodd "B" Well Numbers 4 and 5 to water injection service. This will be an expansion of our Metex Secondary Recovery Project, approved by the Commission in Case No. 3343, Order No. R-3013, dated December 3, 1965. The subject wells are located in Section 11, T-17-S, R-29-E, Eddy County, New Mexico.

The following data are submitted in compliance with State Rule 701 E-5.

1. A plat of the area, showing the proposed injection wells.
2. Diagrammatic sketch of proposed injection wells.
3. Pertinent waterflood data.
4. Logs of the proposed injection wells are not available at present.
5. Addressee list of offset operators.
6. Form C-116 showing production test before and after waterflood response.

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

Sincerely,
SUNRAY DX OIL COMPANY

John Hastings
John Hastings
District Engineer

JH/RSM/nsh

cc: USGS - Artesia
NMOCC - Artesia
Offset operators as per addressee
list, less attachments

SUNRAY DX OIL COMPANY

WATERFLOOD DATA

Lease: Boyd - Dodd "B"

Field: Square Lake

Project: SDX Metex Waterflood Commission Order No. R-3013

Well No.: 4

Location of well: 1980' FEL & 1980' FSL, Section 11, T-17-S, R-29-E

Date well completed: 5-14-52

Present status of well: Pumping

Present producing formation: Metex

Present producing interval: 2478 - 2513

Proposed status of well: Convert to water injection

Type of injection fluid: Fresh Water

Formation in which water is to be injected into: Metex Zone (Grayburg Formation)

Top of formation: 2478

Bottom of formation: 2513

Proposed injection interval: 2478 - 2513

Source of injection water: Purchased from Yucca Water Co. - Lovington, New Mexico

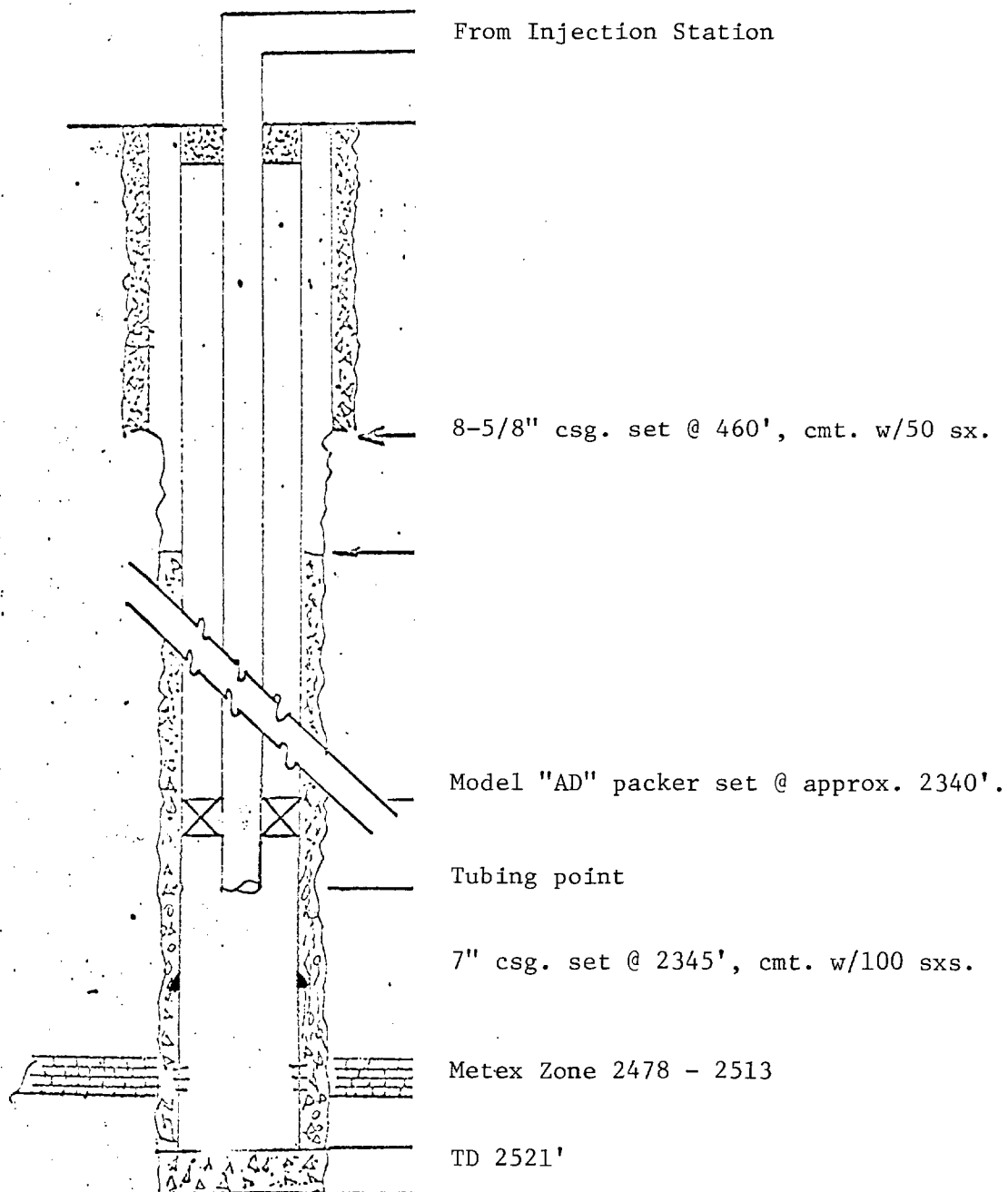
Anticipated volumes to be injected: 400 BPD

Anticipated injection pressure: 1100 psig

Maximum injection pressure: 1300 psig

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

BOYD - DODD "B" #4
1980' FEL & 1980 FSL of
SECTION 11, T-17-S, R-29-E



SUNRAY DX OIL COMPANY

WATERFLOOD DATA

Lease: Boyd - Dodd "B"

Field: Square Lake

Project: SDX Metex Waterflood Commission Order No. R-3013

Well No.: 5

Location of well: 330' FSL & 330' FEL of Section 11, T-17-S, R-29-E

Date well completed: 10-24-58

Present status of well: Pumping

Present producing formation: Metex

Present producing interval: 2485 - 2525

Proposed status of well: Convert to water injection

Type of injection fluid: Fresh Water

Formation in which water is to be injected into: Metex Zone (Grayburg Formation)

Top of formation: 2485'

Bottom of formation: 2525'

Proposed injection interval: 2485 - 2525'

Source of injection water: Purchased from Yucca Water Co. - Lovington, New Mexico

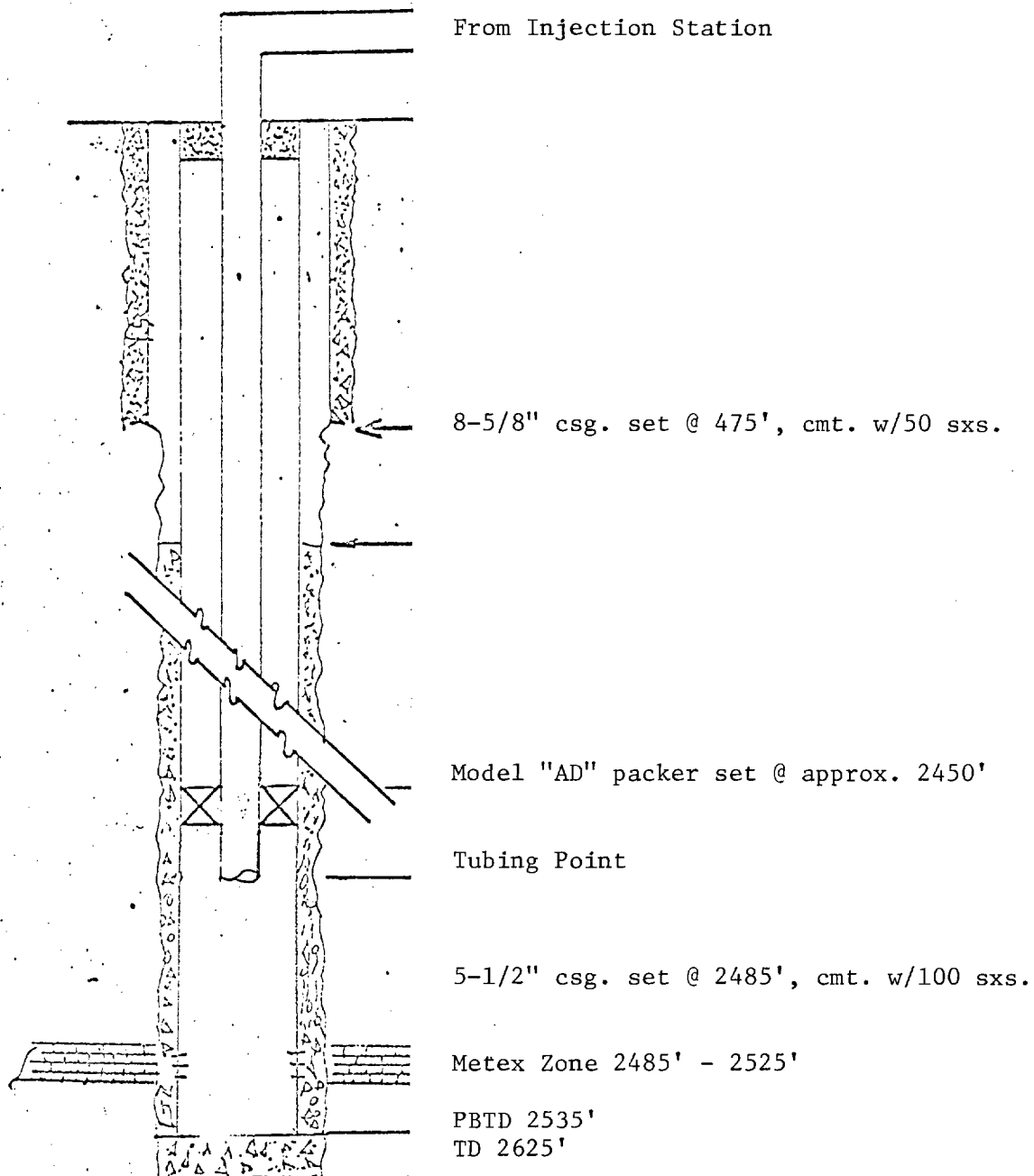
Anticipated volumes to be injected: 400 BPD

Anticipated injection pressure: 1100 psig

Maximum injection pressure: 1300 psig

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

BOYD - DODD "B" #5
330' FEL & 330' FSL of
Section 11, T-17-S, R-29-E
Eddy County, New Mexico



NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-1116
Revised 1-1-65

Operator Sunray DX Oil Company		Pool Grayburg Jackson		County Eddy											
Address P. O. Box 1416 - Roswell, New Mexico		TYPE OF TEST - (X)		Completion ☐ Scheduled ☐		Special ☒									
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKES SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL.		
		U	S	T						R	WATER BBLs.	GRAV. OIL		OIL BBLs.	GAS M.C.F.
M. Dodd "B"	19	M	11	17-S	29-E	3-8-68	-	-	11	24	0	36	4	3.7	925
	19	M	11	17-S	29-E	3-29-68	-	-	11	24	0	36	53	58.1	1287

NOTE:
This well is the center well of a 5-spot pattern. The above test 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.


John Hastings
(Signature)
District Engineer

(Title)
April 8, 1968
(Date)

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Pool		County		Completion		Special						
Sunray DX Oil Company		Square Lake		Eddy										
Address		P. O. Box 1416 - Roswell, New Mexico		TYPE OF TEST - (X)		SCHEDULED								
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU. FT./BBL.	
		U	S	T						R	WATER BBLs.	GRAV. OIL		OIL BBLs.
Boyd - Dodd "B"	3	0	11	17S	29E	1-15-68	P	-	5	24	0	36	2	
						4-22-68	P	-	5	24	0	36	3.5	
NOTE: 1.5 BOPD increase in production is felt to be result of 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.

R. S. Mitchell

for John Hastings
(Signature)

District Engineer
(Title)

April 23, 1968
(Date)

ADDRESSEE LIST

BOYD - DODD "B" WATERFLOOD PROJECT

General American Oil Company
P. O. Box 416
Loco Hills, New Mexico

Kewanee Oil Company
P. O. Box 3786
Odessa, Texas

ILLEGIBLE

