

P. 0. Box 1416
Roswell, New Mexico
July 26, 1967

17. Dodd 18" #27 L-11-17.30

428 5-16-17-30

428 5-16-17-30

N. M. O. C. C. P. O. Box 2088 Santa Fe, New Mexico

Gentlemen:

Sunray DX Oil Company herewith requests administrative approval to convert the M. Dodd "A" #22 and the M. Dodd "B" Nos. 27, 28 and 29 to water injection service. These conversions are necessary for the expansion of the Metex Secondary Recovery Project approved by the Commission in Case No. 3343, Order No. R-3013, dated December 3rd, 1965. The subject wells are located in Sections 10, 11, and 14 of T-17-S, R-29-E, Eddy County, New Mexico.

In compliance with State Rule 701 E-5, the following data are submitted in triplicate.

- A. A plat of the area, showing proposed injection wells and location of other properties within the required radius of the project.
- B. Diagrammatic sketch of proposed injection well completion.
- C. Waterflood data containing pertinent information.
- D. Form C-116 indicating the producing capacity in the pilot producing well, M. Dodd "A" #16, prior and after pilot project.
- E. USGS Form 9-330 indicating the initial potential of Dodd "B" #17.
- F. Form C-116 indicating recent test of M. Dodd "B" #17.
- G. Logs are not available at this time.
- H. Addressee list of operators in the area.

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N.M.O.C.C. July 26, 1967 Page 2

Previous expansions to the Metex Waterflood have been granted by Commission Orders NOS. WFX 254 and WFX 266.

In order to continue the development of the subject flood, it is felt that it is necessary to convert these wells to injection so that a thorough and efficient sweep of the reservoir is accomplished.

Yours truly,

SUNRAY DX OIL COMPANY

John Hastings District Engineer

Don Farris for

JH/nsh

cc: State Engineer w/attachments
 USGS - Artesia w/attachments
 NMOCC - Artesia w/attachments
 Off-set Operators as per addressee list - less attachments

WATERFLOOD DATA

Lease: M. Dodd "A"

Field: Grayburg San Andres

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

Well No.: 22

Location of well: 1980' FEL & 660' FSL, Sec. 14, T-17-S, R-29-E

Date well completed: Not drilled at this time

Present status of well:

Present producing formation: To be completed in Metex

Present producing interval: 2450 - 2475

Proposed status of well: Water Injection

Type of injection fluid: Fresh Water

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

Top of formation: 2450 (Est.)

Bottom of formation: 2475 (Est.)

Proposed injection interval: 2450 - 75

Source of injection water: Yucca Water Co., Lovington, NEW Mexico

Anticipated volumes to be injected: 400 BPD

Anticipated injection pressure: 1000 PSIG

Maximum injection pressure: 1300 PSIG

WATERFLOOD DATA

Lease: M. Dodd "B"

Field: Square Lake

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

Well No.: 27

Location of well: 1980' FSL and 660' FWL, Sec. 11, T-17-S, R-29-E

Date well completed: Not drilled yet

Present status of well:

Present producing formation: To be completed in Metex

Present producing interval:

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

Bottom of formation: 2475

Proposed injection interval: 2450-2475

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

Anticipated volumes to be injected: 300 BPD

Anticipated injection pressure: 1000 PSIG

Maximum injection pressure: 1300 PSIG

WATERFLOOD DATA

Lease: M. Dodd "B"

Field: Square Lake

Project: SDX Metex Water Flood Comm. Order No. R-3013

Well No.: 28

Location of well: 1980' FS & E, Sec. 10, T-17-S, R-29-E

Date well completed: Not drilled at this time

Present status of well:

Present producing formation: To be completed in Metex

Present producing interval: 2450-75 (Est.)

Proposed status of well: Injection

Type of injection fluid: Fresh Water

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

Top of formation: 2450 (Est.)

Bottom of formation: 2475 (Est.)

Proposed injection interval: 2450 - 2475

Source of injection water: Yucca Water Company, Lovington, New Mexico

Anticipated volumes to be injected: 400 BPD

Anticipated injection pressure: 1000 PSIG

Maximum injection pressure: 1300 PSIG

WATERFLOOD DATA

Lease: M. Dodd "B"

Field: Square Lake

Project: SDX Metex Water Flood Project - Comm. No. R-3013

Well No.: 29

Location of well: 1980' FNL, 660 FEL, Sec. 10, T-17-S, R-29-E

Date well completed: Not completed at this time

Present status of well:

Present producing formation: Will be completed in Metex

Present producing interval: 2450 - 75 (EST.)

Proposed status of well: Water Injection

Type of injection fluid: Fresh Water

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

Top of formation: 2450 (Est.)

Bottom of formation: 2475 (Est.)

Proposed injection interval: 2450 - 75

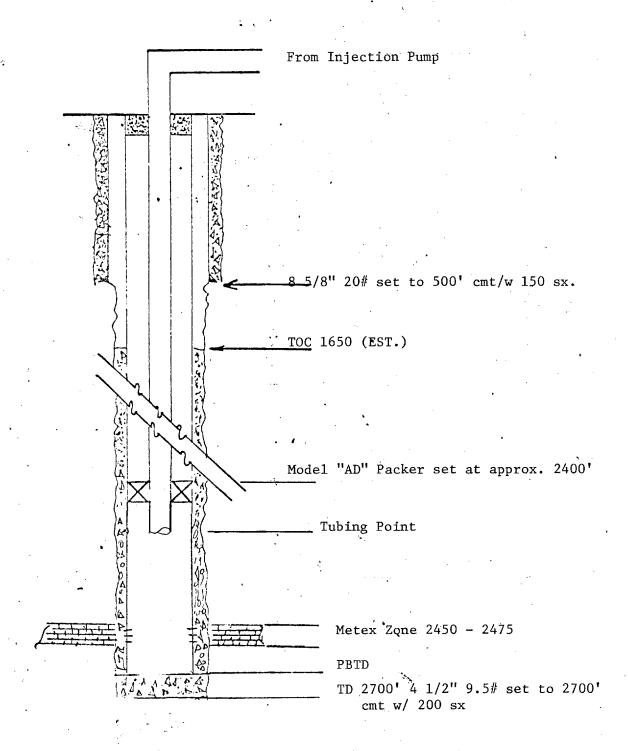
Source of injection water: Yucca Water Co., Lovington, New Mexico

Anticipated volumes to be injected: 400 BPD

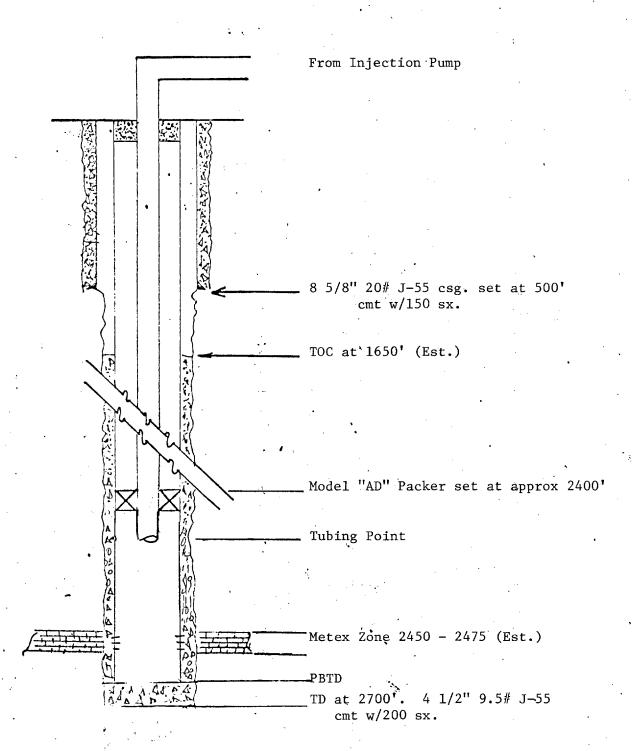
Anticipated injection pressure: 1000 PSIG

Maximum injection pressure: 1300 PSIG

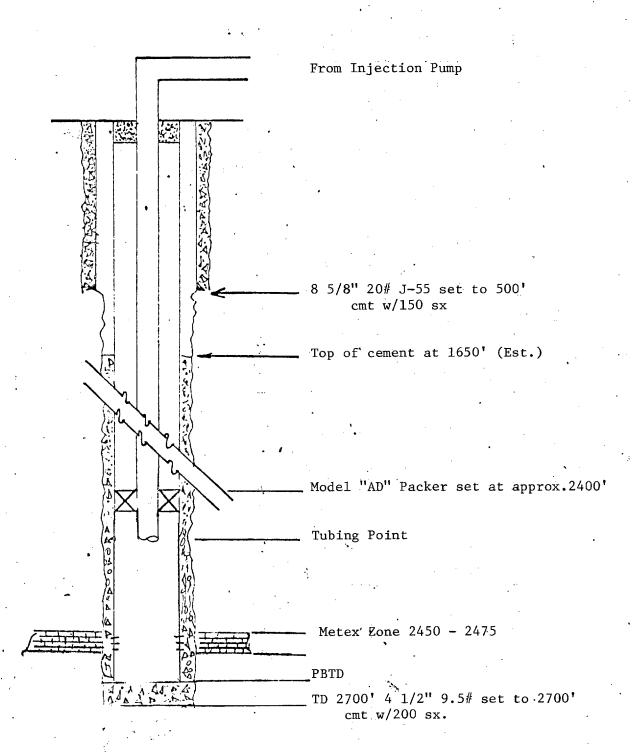
M. Dodd "A" #22 1980' FEL & 660' FSL Sec. 14, T-17-S, R-29-E

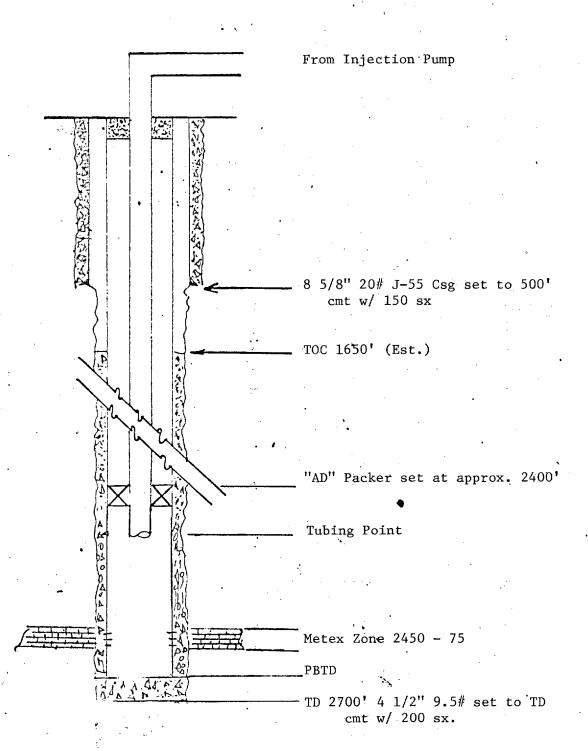


M. Dodd "B" #27 (Proposed) 1980' FSL & 660' FWL Sec. 11, T-17-S, R-29-E Eddy County, New Mexico



M. Dodd "B" #28 1980' FSL & 1980' FEL Sec. 10, T-17-S, R-29-E Eddy County, New Mexico





SUBMIT IN DUPLE : UN ED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Form approved. Budget Bureau No. 42-R355.5.

(See other instructions on reverse side)

Budget Bureau 20. 42-20000.

Budget Bureau 20. 42-20000.

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Revised 1-1-65

		Report casing pressure in lieu of tuting 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.	Gas volumes must be reported in MCF measured at a pressure base will be 0.60.	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 encouracted to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.			FOR USE AS EXHIBIT ONLY.	The above test indicates was resulting from conversion of	NOTE:				M. Dodd "B"			7 A COT WANT	P. O. Box 1416, Roswell, N	Sunray DX 011 Company	
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(Date)

NEW MEXICO OIL CONSERVATION COMMISSION GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

		Report casing pressure in lieu of tubing pressure for any well producing through casing. Mall 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.	Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° will be 0.60.	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.		FOR USE AS EXHIBIT ONLY.	The above test was taken after w SDX Metex Waterflood, Commission	NOTE:			•.		M. Dodd "A"	C RASE NAME		P. O. Box 1416, Roswell,	Sunray DX Oil Company					
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(Date)

NEW MEXICO OIL CONSERVATION COMMISSION GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

			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 Conscrvation Commission in accordance with Rule 301 and appropriate pool rules.	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 will be 0.60.	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 program of the encouraged to take adventure of this 25 program of the control o		FOR USE AS EXHIBIT ONLY.	The above test was taken prior to SDX Metex Waterflood, Commission	NOTE:			•		M. Dodd "A"		L L AOU NAME] }	P. O. Box 1416, Roswell,	Sunray DX 011 Company	
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ADDRESSEE LIST

Dodd "A" & "B" Waterflood Project

OFERATOR	ADDRESS
Ambassador Oil Co.	200 Petr. Bldg., Abilene, Texas
Bassett and Birney	323 Carper Bldg., Artesia, N. M.
Collier Oils Inc.	P. O. Box 3988, Odessa, Texas
Continental Oil Co.	P. O. Box 460, Hobbs, N. M.
El Paso Nat. Gas Prod.	P. O. Box 3986, Odessa, Texas
Fair Oil Co.	P. O. Box 5445, Midland, Texas
O. F. Featherstone	236 Petr. Bldg., Roswell, N. M.
Gen. Amer. Oil Co.	P. O. Box 416, Loco Hills, N. M.
Gulf Oil Co.	P. O. Box 670, Hobbs, N. M.
International Oil & Gas	P. O. Box 427, Artesia, N. M.
E. J. McCurdy	1813 Clayton, Artesia, N. M.
Nearburg & Ingram	P. O. Box 1757, Roswell, N. M.
Newmont Oil Co.	Rowley Bldg., Artesia, N. M.
Sinclair Oil	P. O. Box 1920, Hobbs, N.M.
Skelly Oil Co.	P. O. Box 730, Hobbs, N. M.
Tenneco Oil Co. *	18th Floor, Wilco Bldg., Midland, Texas
Texaco, Inc.	P. O. Box 728, Hobbs, New Mexico
Yates Petr. Corp.	309 Carper Bldg., Artesia, N. M.
Tom Boyd Drilling Co.	501 West Texas, Artesia, N. M.

LARGE FORMAT EXHIBIT HAS BEEN REMOVED AND IS LOCATED IN THE NEXT FILE