

TENNECO OIL COMPANY

A Major Component of Tenneco Inc.

SUITE 1200 • LINCOLN TOWER BUILDING • DENVER, COLORADO 80203



May 23, 1969

WFA - 518

will print 16

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Order No. R-3325 South Upper
Hospah Waterflood Project

Gentlemen:

Tenneco Oil Company requests administrative approval to convert Hospah #23 from a producing well to a water injection well. Conversion of this well will result in a more efficient sweep of oil to well No's. 21 and 22 which have shown a response to injection from well No. 13. The area affected by proposed injection into #23 will constitute a new pattern and, conversion of this well will result in additional oil recovery.

We propose to convert this well as shown in the enclosed diagrammatic sketch. Approximately 175 BWPd of produced Gallup water will be injected into the Upper Hospah at a depth of 1700 feet.

As required by Rule 701-B we have enclosed a plat of the area, a log of the proposed injection well and form C-116 showing production tests of affected wells both before and after stimulation by waterflood. There are no operators directly offsetting the desired injection well.

Thank you for your consideration in this matter.

Yours very truly,

TENNECO OIL COMPANY

C. W. Nance

C. W. Nance
District Production Superintendent

JML/mae

Attachments

cc: E. C. Arnold - Aztec, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
GAS - OIL RATIO TESTS

C-116
Revised 1-1-65

Operator TENNECO OIL COMPANY		Pool SOUTH HOSPAH UPPER SAND		County Mc KINLEY											
Address 1200 Lincoln Tower Building, Denver, Colorado 80203		TYPE OF TEST - (X)		Completion ☐ Scheduled ☐ Special ☐											
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	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.
HOSPAH "A"	4	L	12	17N	9W	7-18-68	Pumping			24	5	-	4	-	TSTM

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.

Don D. Cahn
(Signature)

Production Clerk
(Title)
8/20/68
(Date)

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-1116
Revised 1-1-65

Operator		Pool		County		McKinley								
Tenneco Oil Company		South Upper Hospah												
Address		1200 Lincoln Tower Building, Denver, Colorado 80203		TYPE OF TEST - (X)		Completion ☐ Special ☒								
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL.	
		U	S	T						R	WATER BBLs.	GRAV. OIL		OIL BBLs.
South Hospah Originally 7A	23	K	12	17N	9W	5-5-69	Pumping		24	32	-	1	-	TSTM

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

The well will be assigned an allowable greater than the amount of oil produced on the official test.
During approved tests, each well shall be permitted at a rate not exceeding the top unit allowable for the pool in which well is
operated by more than 25 percent. Excess production is encouraged in order that well can be assigned
allowable production when authorized by the Commission.
An estimated amount to be reported on the report of a producer based on 25 percent of the well's specific gravity base
oil production.
The Commission reserves the right to change the allowable production rate and to suspend the high rate
allowable production rate at any time.

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NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator Tenneco Oil Company		Pool South Upper Hospah		County McKinley										
Address 1200 Lincoln Tower Building, Denver, Colorado 80203		TYPE OF TEST - (X)		Completion ☐ Scheduled ☐ Special ☒										
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL	
		U	S	T						R	WATER BBLs.	GRAV. OIL		OIL BBLs.
South Hospah Originally 4A	22	L	12	17N	9W	4-29-69	Pumping		24	17	-	43	-	TSTM
South Hospah Originally 3A	21	K	12	17N	9W	4-28-69	Pumping		24	44	-	117	-	TSTM

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.

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(Signature)

(Title)

(Date)

NEW MEXICO OIL CONSERVATION COMMISSION

GAS - OIL RATIO TESTS

C-116

Revised 1-1-65

Operator		Pool		County									
DENNECO OIL COMPANY		South Hoshpah Upper Sand		Mc Kinley, New Mexico									
Address		TYPE OF TEST - (X)		Completion ☐ Special ☐									
1200 Lincoln Tower Building, Denver, Colorado 80203		SCHEDULED ☐											
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL.
		U	S	T						R	WATER BBL.S.	GRAV. OIL	
HOSPAH A	1	J	12	17N	9W	7-12-68	Pumping		24	31	31	TSTM	
	3	K	12	17N	9W	7-15-68	Pumping		24	28	33	TSTM	

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D. A. C. ad.
(Signature)

PRODUCTION CLERK

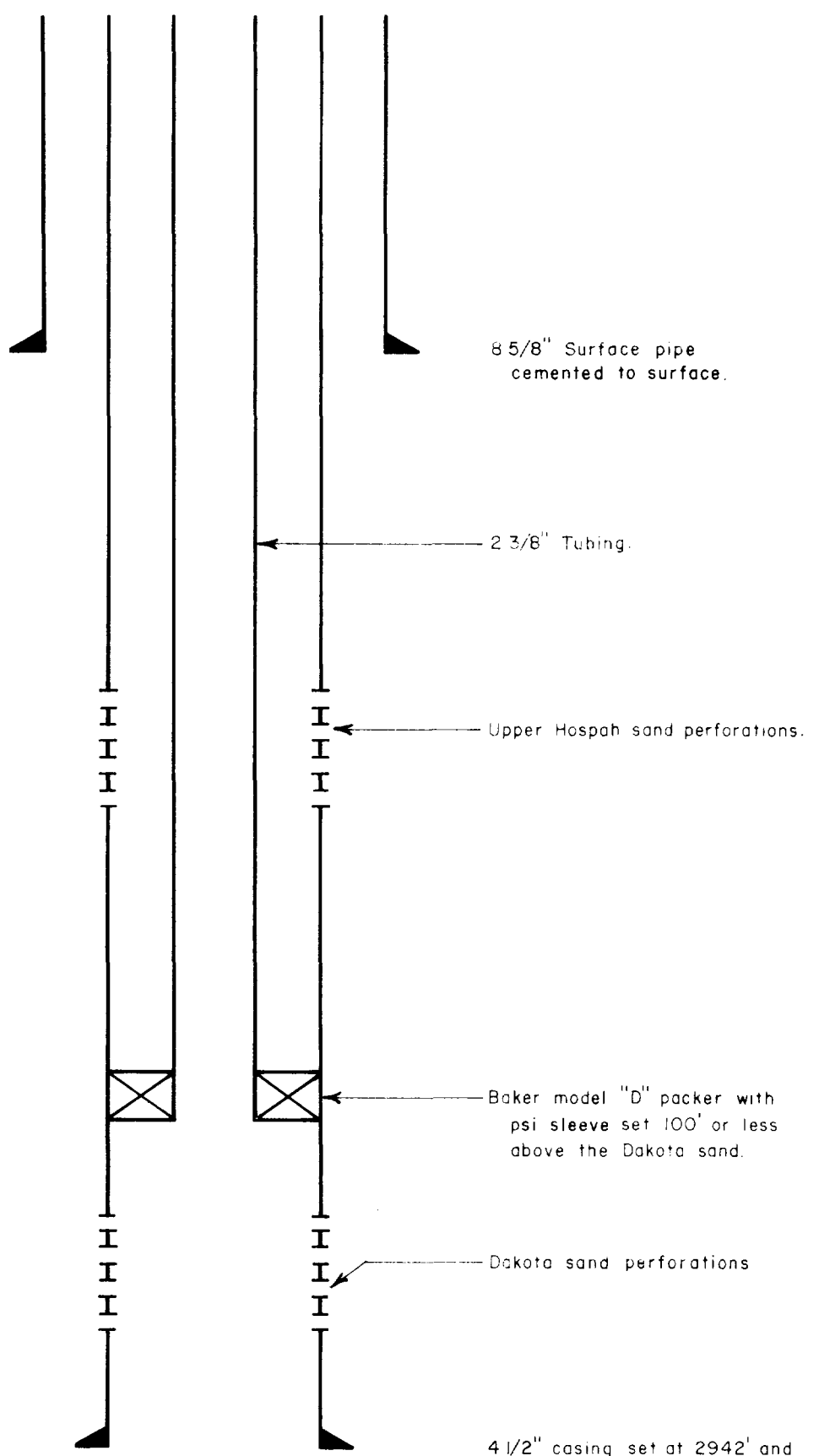
(Title)

July 17, 1968

(Date)

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TENNECO OIL COMPANY
DENVER DISTRICT
PROPOSED INJECTION WELL
UPPER HOSPAH SAND
SOUTH HOSPAH FIELD
Section 12 - T 17 N - R 9 W
Mc Kinley County, New Mexico



4 1/2" casing set at 2942' and cemented to surface.

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

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AND IS LOCATED
IN THE NEXT FILE