



ANADARKO PRODUCTION COMPANY

3109 WINTHROP AVENUE P. O. BOX 9317 FORT WORTH, TEXAS 76107
CABLE ADDRESS: ANDARK

NOV 15 1965
39 APR '65
November 11, 1965

New Mexico Oil Conservation Commission,
P. O. Box 1980,
Hobbs, New Mexico.

Attention: Mr. J. D. Ramey

W 1 - 225
1 - 1 -
Re: Pearsall Queen Sand Unit
Lea County, New Mexico

Gentlemen:

In accordance with Rules 701 (B) and 701 (E) of the New Mexico Rules and Regulations, please find the following information in support of our request for administrative approval to convert various wells to water injection status on the Pearsall Queen Sand Unit:

1. Plat showing proposed injection wells and location of all other wells within a two mile radius.
2. No logs on the proposed injection wells are available.
3. Plat showing unit boundaries, current injection wells and proposed injection wells.
4. A diagrammatic sketch of the proposed injection well casing programs.
5. Waterflood application data sheet showing all pertinent information.
6. Copy of a letter to the State Engineer transmitting a copy of the application requesting his approval.
7. Copy of letters to the offset operators requesting waivers of no objection and indicating that a copy of the application was transmitted to them.
8. State Form C-116 showing wells responding to waterflood.

Nov 15 17 39 AM '65
November 17, 1965

The proposed injection wells are:

Wells Nos. 2-1
2A-1
11-1
14-1

Wells nos. 2-1, 2A-1 and 11-1 are currently producing wells and will be converted to water injection status. Well no. 14-1 will be drilled and completed as a water injection well. Form C-102 will be submitted for approval for wells nos. 2-1 and 2A-1 and also, under separate correspondence, we are requesting U. S. G. S. approval on wells nos. 11-1 and 14-1 on their Form 9-331. Copies of the forms are attached.

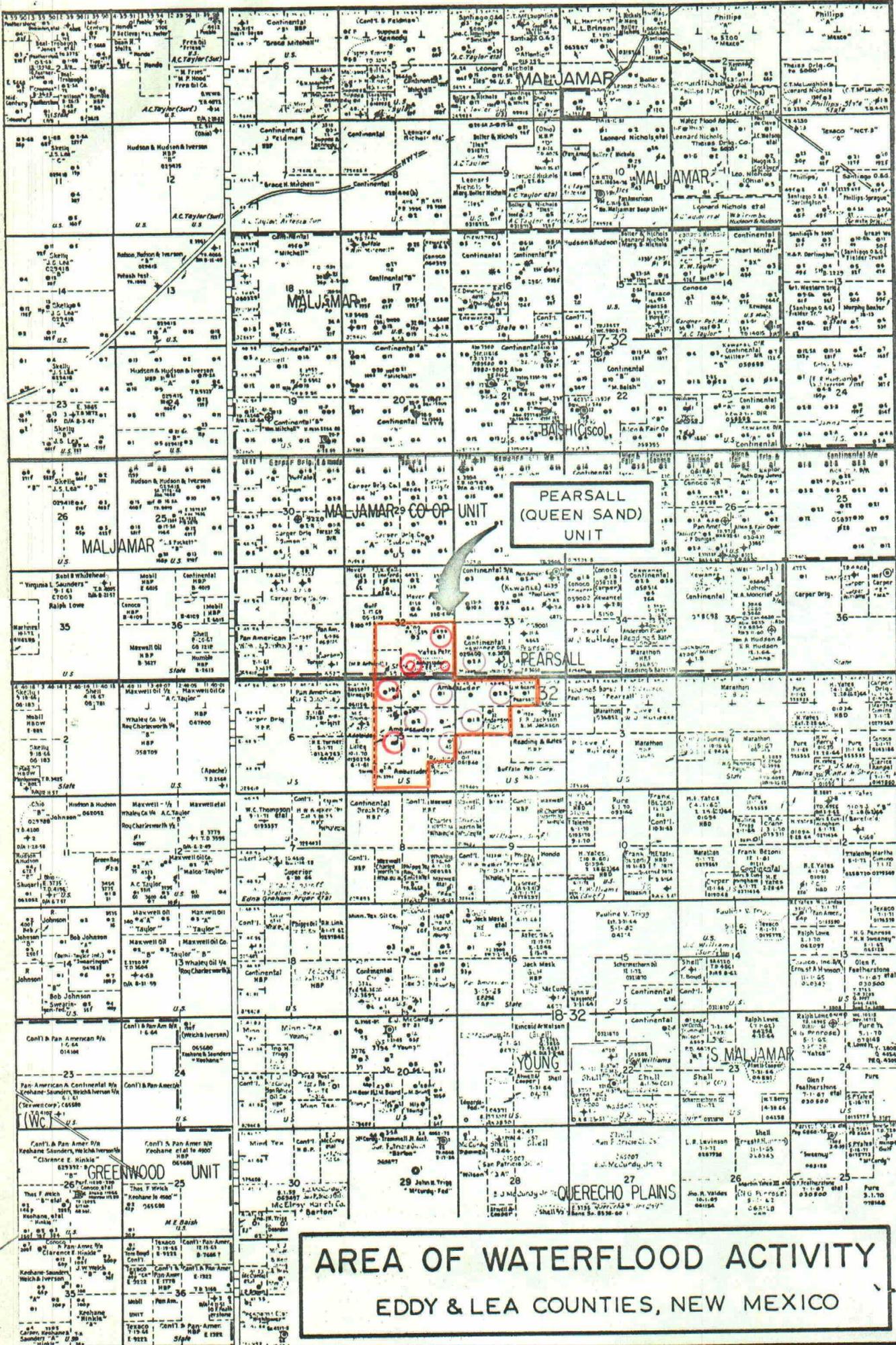
These proposed injection wells will be completed for injection purposes with injection downhole through tubing and packer set immediately above the pay zone in the production casing. Fresh water purchased from the Caprock Water Company and produced water will be injected.

Yours very truly,

ANADARKO PRODUCTION COMPANY



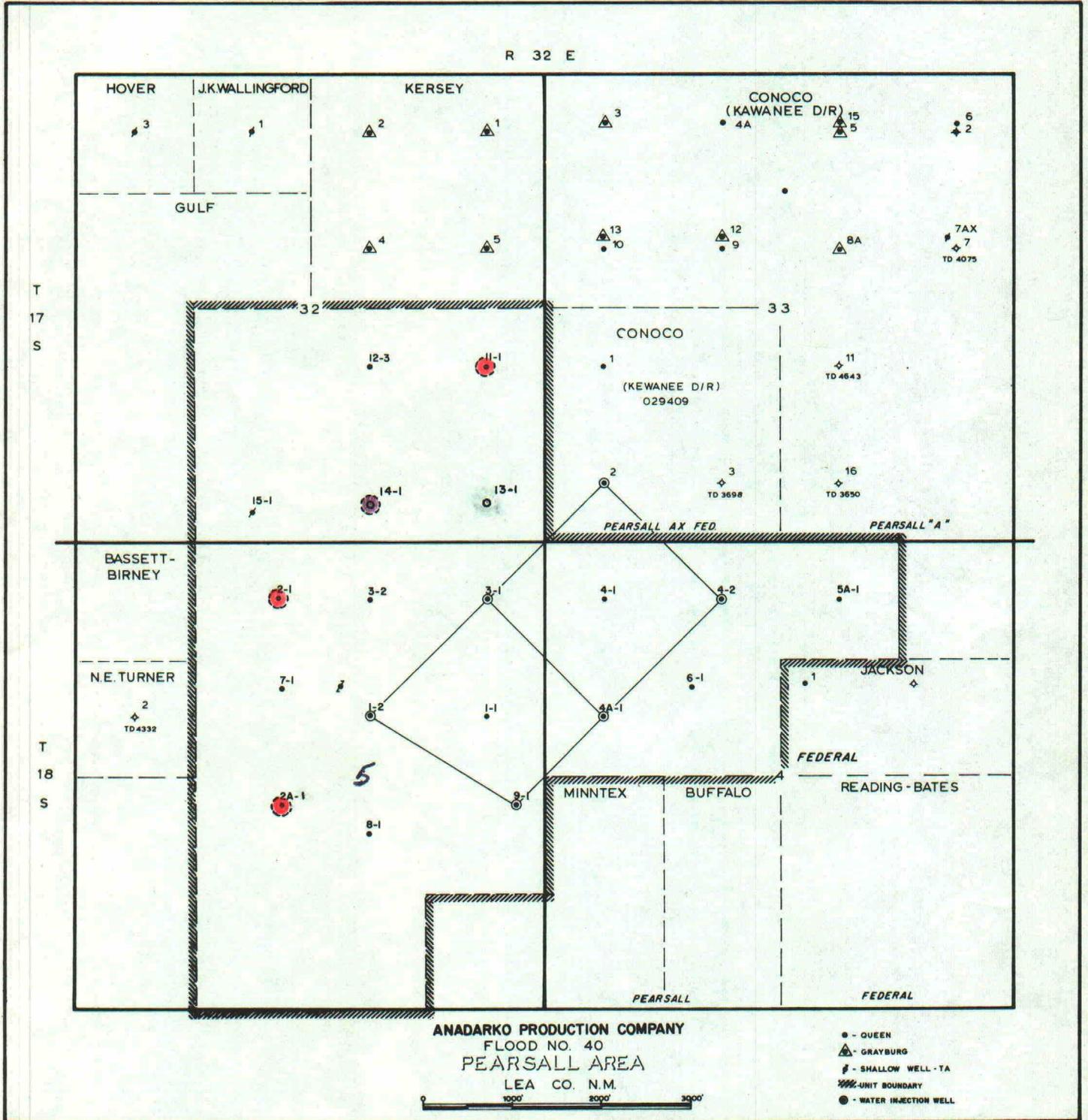
E. A. Riley
Superintendent
Secondary Recovery Division



CURRENT
INJECTION
WELL

PROPOSED
INJECTION
WELL

**AREA OF WATERFLOOD ACTIVITY
EDDY & LEA COUNTIES, NEW MEXICO**

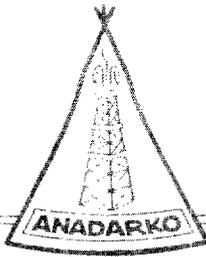


- Proposed Injection Well
- Proposed Injection Location
- ⊙ Proposed Producing Location
- ⊕ CURRENT INJECTION WELL

INJECTION WELL DATA

PEARSALL QUEEN SAND UNIT
LEA COUNTY, NEW MEXICO

	WELL NO.	2-1	2A-1	11-1	14-1		
SURFACE CASING	SIZE	8-5/8"	8-5/8"	8-1/4"	8-5/8"		
	LENGTH	1,060'	925'	885'	300'		
	SXS. CEMENT	50	50	50	50		
PRODUCTION CASING	SIZE	4-1/2"	7"	7"	4-1/2"		
	LENGTH	3,719'	3,460'	3,340'	3,700'		
	SXS. CEMENT	100 <i>Top 2579'</i>	100 <i>Top 2395'</i>	100 <i>Top 2275'</i>	100 <i>Top 1900'</i>		
TUBING	SIZE	2-3/8" EUE	2-3/8" EUE	2-3/8" EUE	2-3/8" EUE		
	LENGTH	3,664'	3,710'	3,450'	3,630'		
	PACKER DEPTH	3,668'	3,714'	3,454'	3,634'		
INJ.	DEPTH	3,664-84'	3,740-61'	3,471-90'	3,650-70'		
	THRU CASING OR TUBING	Tubing	Tubing	Tubing	Tubing		



ANADARKO PRODUCTION COMPANY

3109 WINTHROP AVENUE P. O. BOX 9317 FORT WORTH, TEXAS 76107
CABLE ADDRESS: ANADARK

HOBBS OFFICE O. G. C.
NOV 19 11 04 AM '65
NOV 2 11 00 AM '65

November 11, 1965

New Mexico Oil Conservation Commission,
P. O. Box 1980,
Hobbs, New Mexico.

Re: Pearsall Queen Sand Unit
Lea County, New Mexico

Gentlemen:

We have no objection to Anadarko Production Company
converting their well no. 2-1 to water injection on the
subject Unit.

Yours very truly,

ANADARKO PRODUCTION COMPANY

E. A. Riley
Superintendent
Secondary Recovery Division

BGW:lh

APPROVED:

Bassett-Birney Oil Corporation
Carper Building
Artesia, New Mexico

By T. Riley
Vice-President.

Date Nov. 17, 1965.

NEW MEXICO OIL CONSERVATION COMMISSION
APPLICATION TO INJECT FLUID
INTO A RESERVOIR PRODUCTIVE OF OIL OR GAS

Field PEARSALL County LEA District NO. 13
Operator ANADARKO PRODUCTION COMPANY Date NOVEMBER 10, 1965
Address P. O. BOX 9317, FORT WORTH, TEXAS
Lease (s) & Number (s) PEARSALL QUEEN SAND UNIT (ORDER NO. R-2672)
Reservoir QUEEN Discovery Date JANUARY 1940

NOV 13 7 15 AM '65

HAVE ANY INJECTION PERMITS BEEN GRANTED PREVIOUSLY IN THIS RESERVOIR? Yes
IF ANSWER TO ABOVE QUESTION IS "NO", ALL OPERATORS IN THE RESERVOIR MUST BE
NOTIFIED OF THIS APPLICATION, AND COPIES OF NOTIFICATION ATTACHED HERETO.

I. Reservoir and fluid characteristics

A. Information on entire reservoir

1. Name of formation Queen Sand
2. Estimated productive area of entire reservoir 1,500 Acres
3. Composition (sand, limestone, dolomite, etc.) Sand
4. Type of structure Stratigraphic
(Include cross-section and structural maps)
5. Subsea depth of oil-water contact None Gas-oil contact None
6. Type drive during primary production Solution Gas
7. Original BHP 850 PSI (estimated) Current BHP Nil
8. Was gas cap present originally? No At present? No
9. Ratio of gas cap volume to oil zone volume _____
10. Saturation pressure _____ Formation Volume Factor Unknown

B. Information on proposed project area

1. Number of productive acres in lease (s) within project area 960
2. Average depth to top of pay 3,650 Feet
3. Average effective pay thickness (feet) 15
4. Average porosity (%) 11
5. Average horizontal permeability (mds.) 15 Range 10-60
6. Connate water content (% of pore space) 32
7. Gravity of oil (API) 36 Viscosity Unknown

II. Primary Production history

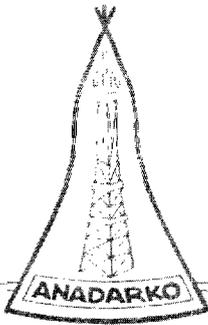
1. Date first well completed on lease (s) January 1940
2. Oil, gas, water production by months since discovery. (Graphically as well as in tabular form.)
3. Stage of depletion of project area Stripper (Portion responding to waterflooding)
4. Number of producing wells on each lease in project area 10 Producers - 5 Injection
5. Average daily oil production per well at present time 3 B/d Stripper - 35 B/d Waterflood
6. Average gas-oil ratio TSTM Water production (%) None
7. Cumulative oil production to date from lease (s) 901,136 Bbls.

III. Results expected

1. Estimated original oil in place (bbls.) 6,500,000
2. Estimated oil saturation at present time (% of pore space) 49
3. Estimated residual oil saturation at abandonment 33
4. Estimated ultimate additional oil that will be recovered as a direct result of injection (bbls.) 990,000

IV. Injection

1. Type of Injection Fluid (water, gas, LPG) Water
2. Source of injected fluid (formation, depths) Commercial Water Supplier & Produced Water
3. Injection pattern and spacing 5 Spot - 80 Acres
4. Maximum injection pressure to be used (psi) 1300
5. Estimated maximum per well rate of injection (bbls.) 500
6. List complete injection schedule on the side of this sheet.



ANADARKO PRODUCTION COMPANY

3109 WINTHROP AVENUE P. O. BOX 9317 FORT WORTH, TEXAS 76107
CABLE ADDRESS: ANDARK

CABLE ADDRESS: ANDARK

NOV 15 7 39 AM '65
November 11, 1965

State Engineer
P.O. Box 1079
Santa Fe, New Mexico

Re: Pearsall Queen Sand Unit
(Order No. R-2672)
Lea County, New Mexico

Dear Sir:

Enclosed please find an application to expand within the subject waterflood Unit.

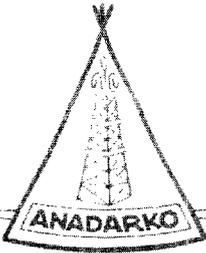
As stated in the application, the water to be injected will be a combination of fresh water purchased from a commercial water supplier and produced water. This water will be injected through the tubing and packer which will be set immediately above the pay zone in the production casing.

If you have no objection to this application please notify the Commission at your earliest convenience.

Yours very truly,

E. A. Riley
Superintendent
Secondary Recovery Division

BGW/hb



ANADARKO PRODUCTION COMPANY

3109 WINTHROP AVENUE P. O. BOX 9317 FORT WORTH, TEXAS 76107
CABLE ADDRESS: ANADARK

HOBBS OFFICE D. C. B. NY
NOV 17 10 10 PM '65
NOV 18 1965
MAIL

November 11, 1965

New Mexico Oil Conservation Commission,
P. O. Box 1980,
Hobbs, New Mexico.

Re: Pearsall Queen Sand Unit
Lea County, New Mexico

Gentlemen:

We have no objection to Anadarko Production Company
converting their well no. 11-1 to water injection on the
subject Unit.

Yours very truly,

ANADARKO PRODUCTION COMPANY

E. A. Riley
Superintendent
Secondary Recovery Division

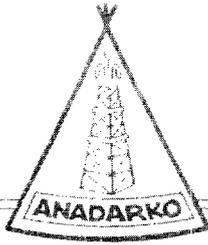
BGW:lh

APPROVED:

Kersey Company
Artesia, New Mexico

By Harold Kersey

Date Nov. 15, 1965



ANADARKO PRODUCTION COMPANY

3109 WINTHROP AVENUE P. O. BOX 9317 FORT WORTH, TEXAS 76107

CABLE ADDRESS: ANDARK

NOV 15 7 39 AM '65

November 11, 1965

Continental Oil Company
P.O. Box 460
Hobbs, New Mexico

Re: Pearsall Queen Sand Unit
Lea County, New Mexico

Gentlemen:

Enclosed is a copy of an application to expand within the subject Unit. Our plans are to convert well No. 11-1 to injection and in accordance with Commission rules we are requesting a waiver of objection.

If you have no objection please execute three copies of the attached waiver, send two copies to the Commission at Hobbs and return one copy to us.

Thank you.

Yours very truly,

E. A. Riley
Superintendent
Secondary Recovery Div.

BGW/hb



ANADARKO PRODUCTION COMPANY

3109 WINTHROP AVENUE P. O. BOX 93 FORT WORTH, TEXAS 76107
CABLE ADDRESS: ANARK

NOV 15 7 39 AM '65

November 11, 1965

Kersey Company,
Artesia, New Mexico.

Re: Pearsall Queen Sand Unit
Lea County, New Mexico

Gentlemen:

Enclosed is a copy of an application to expand within the subject Unit. Our plans are to convert well no. 11-1 to injection and in accordance with Commission rules we are requesting a waiver of objection.

If you have no objection, please execute three copies of the attached waiver, send two copies to the Commission at Hobbs and return one copy to us.

Thank you.

Yours very truly,

ANADARKO PRODUCTION COMPANY

E. A. Riley
Superintendent
Secondary Recovery Division

BGW:lh

Encl.

NEW MEXICO OIL CONSERVATION COMMISSION
GAS - OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Pool		County								
ANADARKO PRODUCTION COMPANY		PEARSALL		LEA								
Address		P. O. BOX 9317, FORT WORTH, TEXAS		TEST - (X)								
LEASE NAME		WELL NO.		DATE OF TEST								
NOV 15		U		S								
LOCATION		T		R								
TYPE OF TEST - (X)		SCHEDULED		COMPLETION								
CHOKE SIZE		TBG. PRESS.		DAILY ALLOWABLE								
LENGTH OF TEST HOURS		WATER TEST BBL.S.		PROD. DURING TEST								
GAS - OIL RATIO CU. FT./BBL.		OIL TEST BBL.S.		GAS M.C.F.								
Pearsall Queen Sand Unit	1-1	H	5	18S	32E	8-10-65	Well has been S. I. due to no production.	24	0	15	Nil	
Pearsall Queen Sand Unit	1-1	H	5	18S	32E	9-25-65		24	0	5	Nil	
Pearsall Queen Sand Unit	3-2	B	5	18S	32E	8-15-65		24	0	5	Nil	
Pearsall Queen Sand Unit	3-2	B	5	18S	32E	9-24-65		24	0	35	Nil	
Pearsall Queen Sand Unit	7-1	F	5	18S	32E	8-17-65		24	0	0.5	Nil	
Pearsall Queen Sand Unit	7-1	F	5	18S	32E	9-26-65		24	0	5	Nil	
OFFSET OPERATOR												
Continental Oil Co.												
Pearsall AX Federal	1	L	33	17S	32E	6-16-65		24	0	3	Nil	
Pearsall AX Federal	1	L	33	17S	32E	11-3-65		24	0	11	Nil	

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.

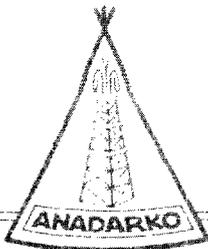
Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

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

[Signature]
(Signature)

Superintendent Secondary Recovery
(Title)

November 11, 1965
(Date)



ANADARKO PRODUCTION COMPANY

3109 WINTHROP AVENUE P. O. BOX 9317 FORT WORTH, TEXAS 76107
CABLE ADDRESS: ANDARK

HOBBS OFFICE O. G. C. N.Y.
NOV 17 10 PM '65

November 11, 1965

New Mexico Oil Conservation Commission,
P. O. Box 1980,
Hobbs, New Mexico.

Re: Pearsall Queen Sand Unit
Lea County, New Mexico

Gentlemen:

We have no objection to Anadarko Production Company
converting their well no. 11-1 to water injection on the
subject Unit.

Yours very truly,

ANADARKO PRODUCTION COMPANY

E. A. Riley
Superintendent
Secondary Recovery Division

BGW:lh

APPROVED:

Kersey Company
Artesia, New Mexico

By Harold Kersey

Date Nov. 15, 1965

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved
Budget Bureau No. 47-21424
6. LEASE DESIGNATION AND SERIAL NO.

10-029403 (b) 10

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or pack off to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.

6. IF INDIAN, ALLOTTEE OR COWBOY NAME

7. UNIT AGREEMENT NAME
Pearsall Green Sand Unit

1. NAME OF OPERATOR
Other Water Injection Well

8. FARM OR LEASE NAME

2. NAME OF OPERATOR
Production Company

9. WELL NO.

3. ADDRESS OF OPERATOR
1100 N. 1st St., Doxington, New Mexico

10. FIELD AND POOL, OR WILDCAT

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface: 12 1/2 Sec. 5 T16S R32E

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

2310' TOL & FUL Sec. 5 T16S R32E

Sec. 5 T16S R32E

14. PERMIT NO.

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

12. COUNTY OR PARISH 13. STATE

3850 ft

Lea New Mexico

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEMP 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 Water Injection

(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.)*

ILLEGIBLE

Intend to convert well to water injection service -
injection to be through 2" EUL tubing w/packer set
above casing perforations.

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

SIGNED E. Kelly TITLE Supt. Secondary Rec. Div. DATE 10-17-65

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

LC 029403 (B)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Pearsall Queen Sand Unit

8. FARM OR LEASE NAME

Tract No. 2

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

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

Sec. 5 T18S R32E

12. COUNTY OR PARISH 13. STATE

Lea New Mexico

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. See "APPLICATION FOR PERMIT—" for such proposals.)

OIL WELL GAS WELL OTHER Water Injection Well

2. NAME OF OPERATOR

Acadanto Production Company

3. ADDRESS OF OPERATOR

1029 N. Ave. N. Lovington, New Mexico
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

NE 1/4 N. 1/2 Sec. 5 T18S R32E
915' FWL Sec. 5 T18S R32E
2342' FWL Sec. 5 T18S R32E

14. PERMIT NO.

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

3871 GL

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) Convert to Water Injection

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

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

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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.)*

Intend to convert to water injection service -
injection to be through 2" EUE tubing W/packer
set above casing perforations.

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

SIGNED

E. A. Kelley

TITLE Supt. Secondary Rec. Div.

DATE 11-11-65

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL AND GAS COMMISSION

NOTICE OF INTENTION TO BEGIN WORK

Submit this notice in duplicate to the District Office, Oil and Gas Division, Santa Fe, New Mexico. Work is to begin. A copy will be returned to the owner on which will be given the approval of the Commission. If the Commission rejects the notice, the owner must file a new notice within 30 days of the rejection by the Commission or upon the plan submitted. The plan is approved and the work may begin only if the approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

NOV 18 AM '65
NOV 15 7 42 AM '65

Notice of Intention to Service Pools	Notice of Intention to Service Wells	Notice of Intention to Drill Drains
Notice of Intention to Plug Wells	Notice of Intention to Re-work	Notice of Intention to Seal Drains
Notice of Intention to Re-work	Notice of Intention to Seal	Notice of Intention to Seal (New)
Notice of Intention to Seal	Notice of Intention to Seal (Old)	Notice of Intention to Seal (Old)

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
Lovington, New Mexico
5 November 1965
(Date)

Condition:
Following is a Notice of Intention to do certain work as described below at the Minardico Production Company
Pearsall Queen Sand Unit, Tract #11 Well No. 1 in I
(Company or Operator) (Unit)
1/4 SE 1/4 of Sec. 32, T. 27S, R. 22E, Albany, Pearsall Queen Pool
(to-sec. Subdivision) County.

FULL DETAILS OF PROPOSED PLAN OF WORK
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

Intend to convert well to water injection service -
injection to be through 2" EUE tubing w/packer set
above casing perforations.

Approved _____, 1965
Except as follows:

MINARDICO PRODUCTION COMPANY
Company or Operator
E. A. Kelly

Approved _____
OIL CONSERVATION COMMISSION

Area Superintendent, Secondary Recovery Division
Oil and Gas Division regarding well to:

By _____
Title _____

MINARDICO PRODUCTION COMPANY
1014 W. 1st. K
Lovington, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

Nov 15 7 40 AM '65

MISCELLANEOUS NOTICES

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL		NOTICE OF INTENTION TO DRILL DEEPER	
NOTICE OF INTENTION TO PLUG WELL		NOTICE OF INTENTION TO PLUG BACK		NOTICE OF INTENTION TO SET LINER	
NOTICE OF INTENTION TO SQUEEZE		NOTICE OF INTENTION TO ACIDIZE		NOTICE OF INTENTION TO SHOOT (Nitro)	
NOTICE OF INTENTION TO GUN PERFORATE		NOTICE OF INTENTION (OTHER)	X	NOTICE OF INTENTION (OTHER)	

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Lovington, New Mexico
(Place)

5 November 1965
(Date)

Gentlemen:

Following is a Notice of Intention to do certain work as described below at the Anadarko Production Company
Pearsall Queen Sand Unit, Tract #14 Well No. 1 in 0
 (Company or Operator) Lease (Unit)
SW 1/4 SE 1/4 of Sec. 32, T. 17S, R. 32E, NMPM, Pearsall Queen Pool
 (40-acre Subdivision) County.

FULL DETAILS OF PROPOSED PLAN OF WORK
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

Intend to convert well to water injection service -
injection to be through 2" EUE tubing w/packer set
above casing perforations.

Approved....., 19.....
Except as follows:

ANADARKO PRODUCTION COMPANY
Company or Operator

By E. A. Riley
Position Superintendent Secondary Recovery Division
Send Communications regarding well to:

Approved
OIL CONSERVATION COMMISSION

By.....

Name ANADARKO PRODUCTION COMPANY

Title.....

Address 1014 W. Ave. K
Lovington, New Mexico

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

November 18, 1965

C
O
P
Y

Anadarko Production Company
P. O. Box 9317
Fort Worth, Texas 76107

Attention: Mr. E. A. Riley

Gentlemen:

Reference is made to applications requesting administrative approval to convert wells to water injection status in the Grayburg-Jackson and Pearsall Queen Sand Units in accordance with Rule 701. The following information required by Rule 701 (B) (3), has been omitted from the schematic drawings of both applications and is hereby requested:

Tops of cement surrounding surface and production casing - all wells

Type of packers to be used in Pearsall Unit wells
Since tubing is not to be used in Grayburg-Jackson well - completion date and whether or not casing was new or used.

Please supply the State Engineer Office with a copy of the above information.

Enclosed is Memo No. 2-65 pertaining to naming of leases and numbering of wells; it would be appreciated if you would comply by designating tracts and well numbers as set out in 2 (B) of the Memo.

Very truly yours,

J. E. KAPTEINA
Engineer

JEK/og

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

November 15, 1947

Mr. J. W. Riley
1111 North
Santa Fe, New Mexico

Dear Mr. Riley:
Reference is made to your letter of November 10, 1947, regarding the proposed well in the Santa Fe area.

The proposed well is located on the Santa Fe area and is being drilled by the Santa Fe Oil Company. The proposed well is being drilled in the Santa Fe area and is being drilled in the Santa Fe area. The proposed well is being drilled in the Santa Fe area and is being drilled in the Santa Fe area.

The proposed well is being drilled in the Santa Fe area and is being drilled in the Santa Fe area. The proposed well is being drilled in the Santa Fe area and is being drilled in the Santa Fe area. The proposed well is being drilled in the Santa Fe area and is being drilled in the Santa Fe area.

Very truly yours,
J. W. Riley

Enclosed is Memo No. 9-07 regarding the proposed well in the Santa Fe area. The proposed well is being drilled in the Santa Fe area and is being drilled in the Santa Fe area. The proposed well is being drilled in the Santa Fe area and is being drilled in the Santa Fe area.

Very truly yours,

J. W. Riley
Santa Fe, New Mexico



ANADARKO PRODUCTION COMPANY

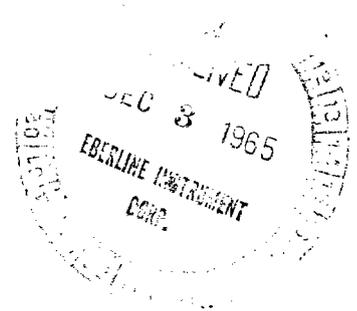
3109 WINTHROP AVENUE P. O. BOX 9317 FORT WORTH, TEXAS 76107
CABLE ADDRESS: ANDARK

November 30, 1965

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

Re: Grayburg-Jackson Unit (R 2323)
Eddy County, New Mexico

Pearsall Queen Sand Unit
Lea County, New Mexico



Gentlemen:

In reference to your letter stating that certain information was omitted from the application requesting administrative approval to convert various wells to injection on the subject Unit, please find the necessary data shown below:

- (1) Top of cement surrounding surface casing - cement was circulated on Grayburg-Jackson Tract 5 well No. 1 and Pearsall Tract 14 well No. 1. The remaining wells on the Pearsall Unit, wells Nos. 2-1, 2A-1, and 11-1, were not drilled by Anadarko Production Company, and our records are incomplete but it is assumed that cement was also circulated on these wells.
- (2) Top of cement surrounding production casing - approximate tops of cement are as shown below:

<u>Unit</u>	<u>Tract No.</u>	<u>Well No.</u>	<u>Approx. T/Cement</u>
Grayburg- Jackson	5	1	2,000'
Pearsall	2	1	2,519'
	2A	1	2,395'
	11	1	2,275'
	14	1	1,900'

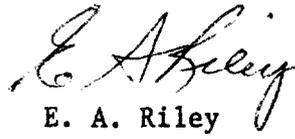
- (3) Packers to be used in the Pearsall wells are all plastic coated tension type.

Page #2

- (4) Completion date of the Grayburg-Jackson Unit Tract No.5 well No. 1 was August 19, 1965. Production casing was 4 1/2" OD, 11.60#, J-55 casing which was new.

If further information is desired please call the writer at your earliest convenience.

Yours very truly,



E. A. Riley
Superintendent
Secondary Recovery Div.

EAR/hb

CC:
State Engineer
Capitol Building
Santa Fe, New Mexico



STATE OF NEW MEXICO
STATE ENGINEER OFFICE
SANTA FE

S. E. REYNOLDS
STATE ENGINEER

December 7, 1965

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

Re: Pearsall Queen Sand Unit
(R-2672) Lea County

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

Dear Mr. Porter:

Reference is made to the application of Anadarko Production Co. which requests approval to convert wells nos. 2-1, 2A-1, 11-1, and 14-1 to injection service (Order R-2672) in their Pearsall Queen Sand Unit.

This office offers no objection to the granting of the application, provided injection is down tubing, under a plastic coated packer, as stated in thier letter of November 30, 1965, and further provided that the packer is set well below the top of the cement surrounding the production casing in each well.

Very truly yours,

S. E. Reynolds
State Engineer

By:

Frank E. Irby
Frank E. Irby
Chief
Water Rights Division

tmr

cc: Anadarko Production Co.
Attn: E. A. Riley

Fred Hennighausen