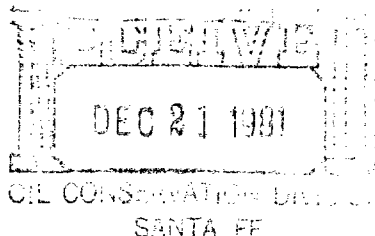




Southland Royalty Company

December 4, 1981

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



Attn: Mr. Dan Nutter

Gentlemen:

Southland Royalty respectfully requests authority to convert the Dale H. Parke "C" Well #3Y from a producing oil well to a water injection well. The subject well is located 330'FSL and 330'FEL of Section 15, T-17-S, R-30-E, Eddy County, New Mexico. Conversion of this well will aid in the development of our Parke Area Waterflood on 20 acre spacing.

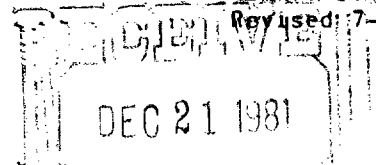
The proposed average daily injection rate into this closed system well is 275 barrels of fresh water per day. Proposed average injection pressure is 1,900 psi surface pressure with a maximum of 2,100 psi. Injection will be confined to the Grayburg and San Andres producing zones. There are no known underground sources of drinking water in the area of this application.

This application is consistent with operations being conducted in our Parke Area Waterflood and administrative approval is requested.

Sincerely,

K. W. Harbin
District Production Manager

DMD/mc



APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ yes ☐ no
- II. Operator: Southland Royalty Company
Address: 1100 Wall Towers West Midland, Texas 79701
Contact party: Ken W. Harbin Phone: (915) 682-8641
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☒ yes ☐ no
If yes, give the Division order number authorizing the project R 4133.
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- * VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification
- I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- Name: Ken W. Harbin Title District Production Manager
Signature: [Signature] Date: 12-4-81
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. _____

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

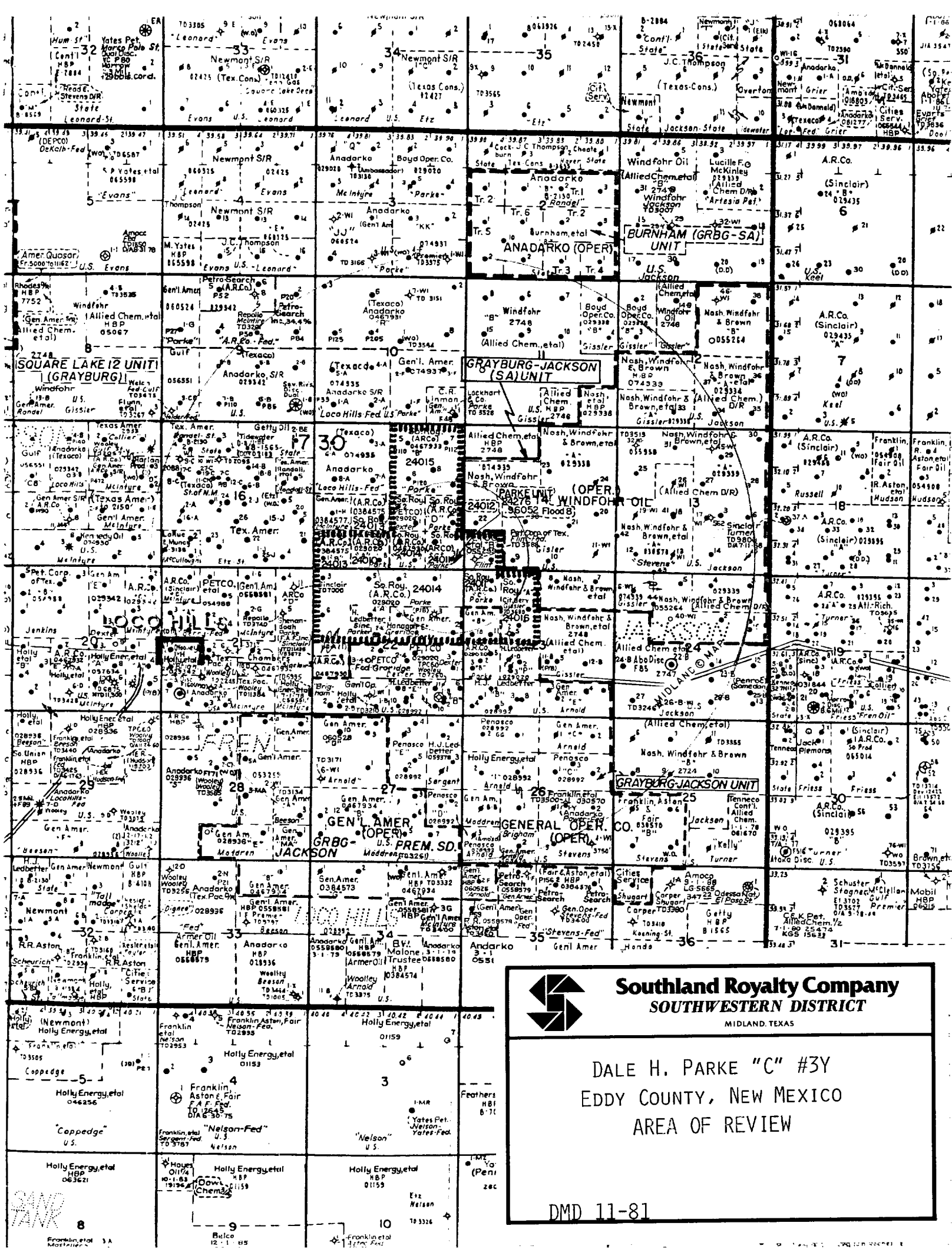
All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

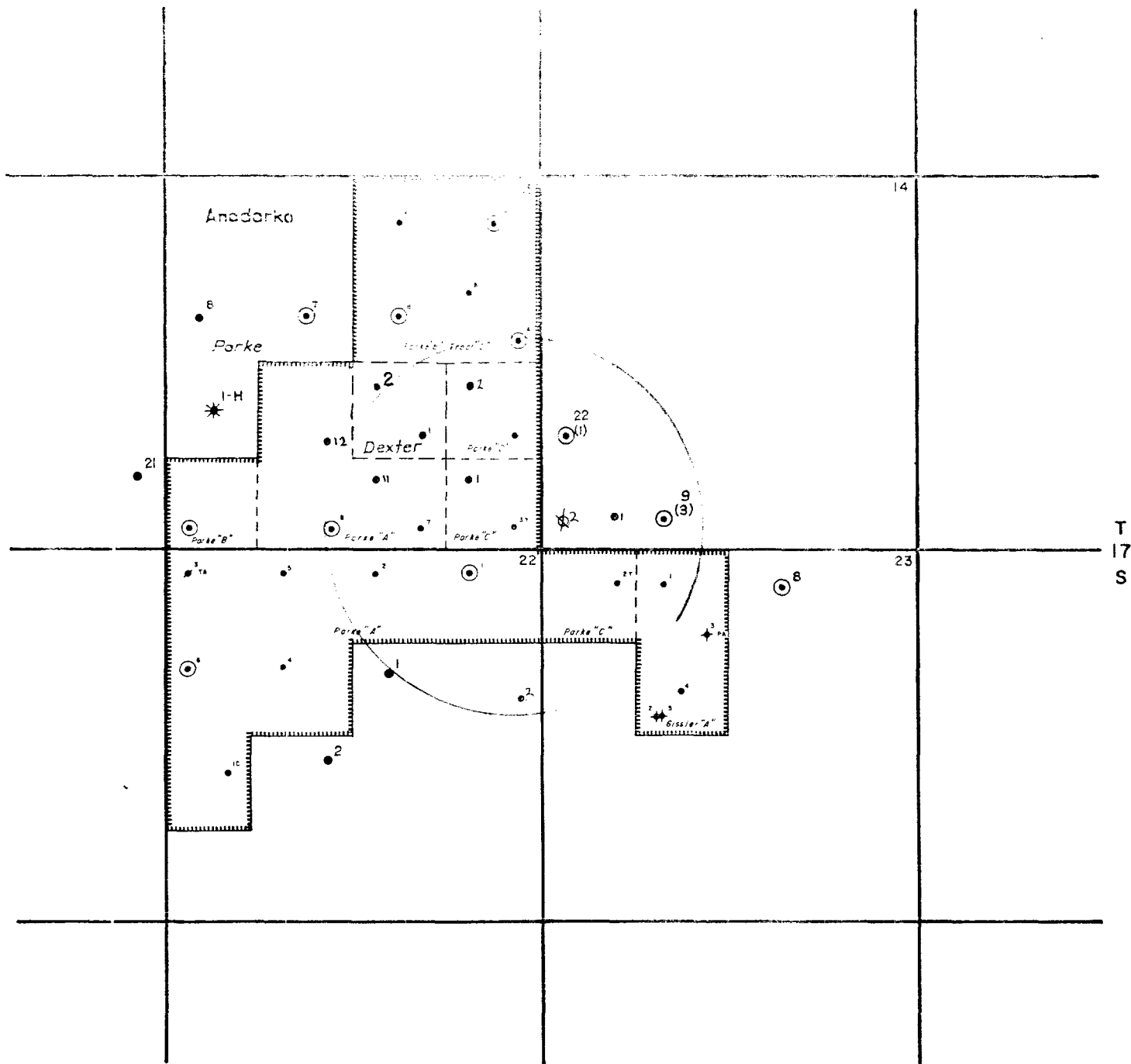
NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.



Southland Royalty Company
SOUTHWESTERN DISTRICT
MIDLAND, TEXAS

DALE H. PARKE "C" #3Y
EDDY COUNTY, NEW MEXICO
AREA OF REVIEW

DMD 11-81



R-30-E

LEGEND:

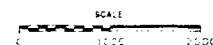
- FLOOD OUTLINE
- PRODUCING WELL
- ⊙ INJECTION WELL
- ◇ DRY HOLE
- ✦ TEMPORARY ABANDONED
- ✦ PLUGGED & ABANDONED
- ⊙ GAS WELL
- ⊙ WATER SUPPLY WELL



Southland Royalty Company

MIDLAND TEXAS

FLOOD NO. 8
PARKE
EDDY COUNTY, NEW MEXICO



WELLS IN AREA OF REVIEW - PARKE C #3Y

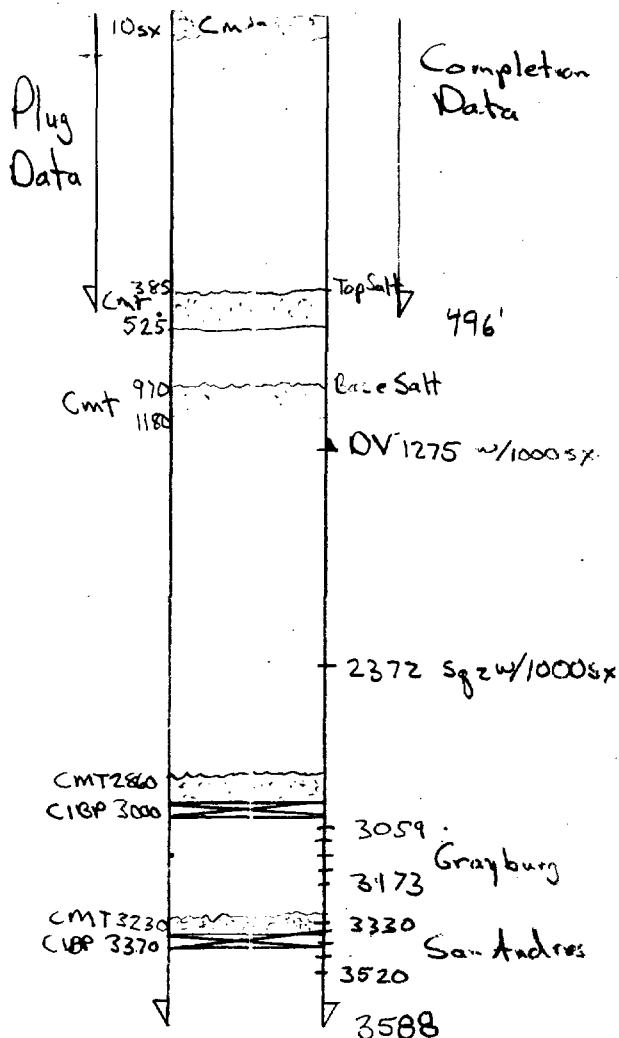
WELL NAME & NO.	TYPE	G-SA INTERVAL	CASING		CEMENT		DATE DRILLED	LOCATION		EDDY COUNTY	TD/PBD
			SIZE	DEPTH	SACKS	TOC					
Petco Flint B #1	P&A OIL	2935-3459'	8 1/4"	441	50	NA	11-30-36	440'FSL, 880'FWL	14-17S-30E	3459'	
			6 5/8"	2935	100	NA					
Petco Flint B #2	P&A OIL	3053-3547'	8 5/8"	496	270	NA	12-08-76	330'FSL & FEL	14-17S-30E	3588'	
			4 1/2"	3588	175	NA					
Barnett Gissler #9 (3)	OIL	3230-3492'	9	423	10	NA	11-30-36	440'FSL, 1690'FWL	14-17S-30E	3492'	
			7	2943	35	NA					
			4 1/2"	2857-3230	80	NA					
Barnett Gissler #22 (1)	WI	3243-3492'	8 1/4"	450	50	NA	1-07-38	990'FSL, 330'FWL	14-17S-30E	3492'	
			6 5/8"	2948	100	NA					
			4 1/2"	2528-3243	160	NA					
Gissler A #1	OIL	2948-3011'	8	443	10	NA	11-01-36	430'FNL, 400'FWL	23-17S-30E	3440/3011	
			6 5/8"	2948	35	NA					
Parke C #2Y	OIL	2935-3438'	10	430	NA	NA	10-14-37	440'FNL, 880'FWL	23-17S-30E	3438/3412	
			8 1/4"	1234	NA	NA					
			6 5/8"	2935	NA	NA					
Parke C #1	OIL	2653-3520'	8 5/8"	450	420	CIRC	5-20-81	990'FEL, 990'FSL	15-17S-30E	3550/3540	
			5 1/2"	3550	3700	CIRC					
Parke D #1	OIL	2872-3495'	8 5/8"	455	50	NA	7-22-37	1650'FSL, 330'FEL	15-17S-30E	3495	
			7	3000	100	NA					
Parke D #2	OIL	2650-3545'	8 5/8"	478	800	CIRC	9-18-81	940'FEL, 2310'FSL	15-17S-30E	3594/3564	
			5 1/2"	3590	5600	CIRC					

WELLS IN AREA OF REVIEW - PARKE C #3Y (cont.)

WELL NAME & NO.	TYPE	G-SA INTERVAL	CASING		CEMENT		DATE DRILLED	LOCATION		EDDY COUNTY	TD/PBD
			SIZE	DEPTH	SACKS	TOC					
Parke B Tr. C #4	WI	2882-3360'	10 3/4" 7	462 2707	100 200	NA NA	8-20-51	2310'FNL, 330'FEL	15-17S-30E	3417/3407	
Dexter Federal #1	OIL	3016-3479'	8 1/4"	541	150	NA	NA	1650'FEL, 1650'FSL	15-17S-30E	3543/3511	
			7	1650-2825	150	NA					
			4 1/2	3518	150	NA					
Parke A Tr. 1 #1	WI	2898-3399'	9	478	50	NA	2-01-38	330'FNL, 990'FEL	22-17S-30E	3450/3439	
			7	2952	100	NA					
			4 1/2"	2796-3439	100	2760					
Parke A Tr. 1 #2	OIL	2900-3439'	9 5/8" 7	525 2900	50 100	NA 1915	4-28-38	330'FNL, 2310'FEL	22-17S-30E	3439	
Parke A Tr. 1 #7	OIL	2890-3444'	8 5/8" 7	547 2954	50 100	NA NA	11-23-39	330'FSL, 1650'FEL	15-17S-30E	3444	
Parke A Tr. 1 #11	OIL	2583-3486	8 5/8" 5 1/2"	470 3550	320 2500	CIRC CIRC	7-24-81	2310'FEL, 990'FSL	15-17S-30E	3550	
Parke A Tr. 2 #8	WI	2836-3326	8 5/8"	534	50	NA	2-02-40	330'FSL, 2310'FWL	15-17S-30E	3430/3429	
			7	2934	100	NA					
			4 1/2"	2769-3429	350	2820					
General American Parke E #1	OIL	2943-3354	8 1/4" 7	525 2943	50 100	NA NA	10-37	1650'FNL, 2310'FEL	22-17S-30E	3354	
General American Parke E #2	OIL	Abo 6905-17	8 5/8" 5 1/2"	1450 6941	342 300	NA NA	6-27-62	2310'FNL, 330'FEL	22-17S-30E	6941	

OPERATOR	LEASE			
Petroleum Corporation of Texas	Flint "B" Federal			
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
2	330' FSL, 330' FWL	14	17S	30

Schematic



Tubular Data

Surface Casing

Size 8 5/8 " Cemented with 250 sx.
 TOC NA feet determined by NA
 Hole size NA

Intermediate Casing

Size " Cemented with sx.
 TOC feet determined by
 Hole size

Long string

Size 4 1/2 " Cemented with 175 sx.
 TOC NA feet determined by NA
 Hole size NA
 Total depth 3588'

Injection interval

3059 feet to 3520 feet
 (perforated or open-hole, indicate which)

Tubing size: lined with (material) set in a
 (brand and model) packer at feet.
 (or describe any other casing-tubing seal).

Other Data

- Name of the injection formation NA
- Name of Field or Pool (if applicable) Grayburg Jackson (SR-Q-GB-SA)
- Is this a new well drilled for injection? ☐ Yes ☒ No
 If no, for what purpose was the well originally drilled? oil
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used)
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Seven Rivers 1700'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN THIS CASE
(Other than for a permit to
drill or to deepen or to plug back to a different reservoir
Use "APPLICATION FOR PERMIT" for such proposals)

Form approved.
Budget Bureau No. 42-11424
LEASE DESIGNATION AND SERIAL NO.

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.
Use "APPLICATION FOR PERMIT" for such proposals.)

DEC 21 1981

LC-055259

RECEIVED
SANTA FE

OCT 2 1979

O. C. C.
ARTESIA, OFFICE

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Petroleum Corporation of Texas ✓	8. FARM OR LEASE NAME Flint "B" Federal
3. ADDRESS OF OPERATOR P. O. Box 911 Breckenridge, TX 76024	9. WELL NO. 2
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 330' FSL & 330' FWL, Section 14, Township 17-S, Range 30-E Unit Letter "M"	10. FIELD AND POOL, OR WILDCAT Grayburg Jackson
14. PERMIT NO.	11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA 14, 17-S, 30-E, NMPM
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3683' GL	12. COUNTY OR PARISH Eddy
	13. STATE New Mexico

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF ☐	PULL OR ALTER CASING ☐	WATER SHUT-OFF ☐	REPAIRING WELL ☐
FRACTURE TREAT ☐	MULTIPLE COMPLETE ☐	FRACTURE TREATMENT ☐	ALTERING CASING ☐
SHOOT OR ACIDIZE ☐	ABANDON* ☐	SHOOTING OR ACIDIZING ☐	ABANDONMENT ☒
REPAIR WELL ☐	CHANGE PLANS ☐	(Other) ☐	

(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.)

Gentlemen:

The above well was plugged and abandoned May 23, 1978 in the following manner:

1. 10 sx. cement plug 3370'-3230' on top of CIBP set @ 3370'
2. CIBP was set @ 3000', w/10 sx. cement plug on top, 3000'-2860'
3. Hole was circulated with 10# mud
4. 15 sx. cement plug from 1180'-970' @ base of salt section
5. 15 sx. cement plug from 525'-385' @ top of salt section
6. 10 sx. cement plug at surface with required marker

There was no casing recovered.

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

SIGNED Arthur Boice
(This space for Federal or State office use)

TITLE Division Superintendent

DATE June 6, 1978

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

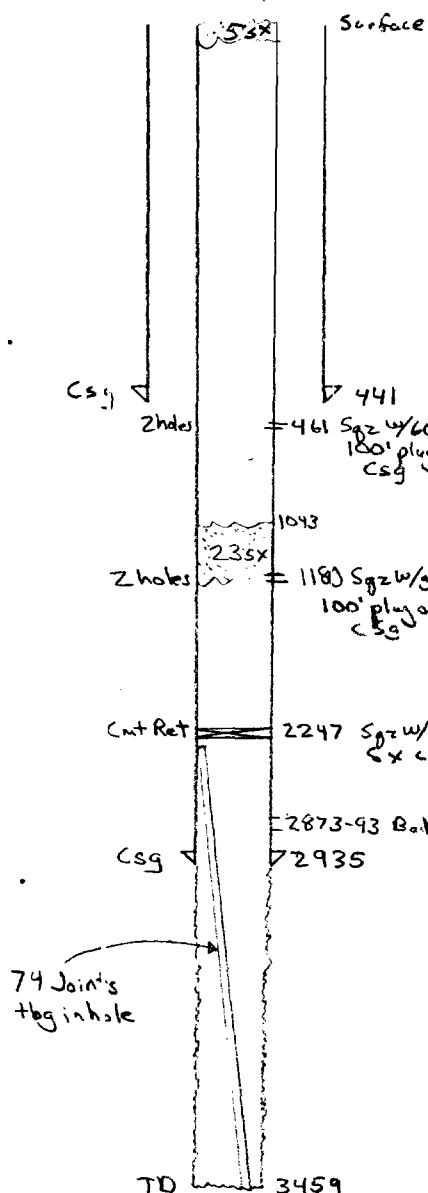
OCT 1 1979

RECEIVED
JUN 9 1978
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
1	440' FSL, 880' FWL	14	17S	30E

Schematic

Tubular Data



Surface Casing

Size 8 1/4 " Cemented with 50 sx.
 TOC NA feet determined by NA
 Hole size NA

Intermediate Casing

Size _____ " Cemented with _____ sx.
 TOC _____ feet determined by _____
 Hole size _____

Long string

Size 6 5/8 " Cemented with 100 sx.
 TOC NA feet determined by NA
 Hole size NA
 Total depth 3459'

Injection interval

2935 feet to 3459 feet
 (~~perforated~~ or open-hole, indicate which)

Tubing size _____ lined with _____ set in a
 _____ (material)
 _____ packer at _____ feet.
 _____ (brand and model)
 (or describe any other casing-tubing seal).

Other Data

- Name of the injection formation NA
- Name of Field or Pool (if applicable) Grayburg Jackson (SR-Q-GB-SA)
- Is this a new well drilled for injection? ☐ Yes ☒ No
 If no, for what purpose was the well originally drilled? oil
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) _____
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Seven Rivers 1700

Adapters—Material _____ Length _____ Depth set _____
 Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		AGID	3000 gal	9/16/35	3080-85	3450

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
 Cable tools were used from _____ top _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing Sept. 17th, 1935.
 The production for the first 24 hours was _____ barrels of fluid of which 100 % was oil; _____ %
 emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

W. H. Berry, Driller J. L. Briscoe, Driller
 Tom James, Driller P. F. Johnson, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	137000	1370	Sand and clay
15	157000	200	Sand
15	307000	150	Gyp
30	707000	400	Red mud
70	907000	200	Gyp and mud
90	2607000	1700	Red mud
260	2757000	150	Dry cave
275	2807000	500	Gyp and gravel
280	3057000	2500	Gyp
305	3107000	500	Red bed
310	3277000	1700	Gyp
327	3807000	5300	Red bed
380	4057000	2500	Gyp
405	4227000	1700	Red bed
422	4277000	500	Gyp
427	9507000	5230	SALT
950	9557000	500	Anhydrite
955	11117000	1560	Salt
1111	11257000	1400	Anhydrite
1125	11707000	45000	Anhydrite, gyp, brown shale
1170	12807000	11000	Anhydrite
1280	12857000	500	Red bed
1285	12957000	100	Red shale & Anhydrite
1295	13057000	100	Anhydrite
1305	13307000	2500	Anhydrite & Red Shale

Porke' C" # 34

Parke "C" #34

ILLEGIBLE

FOR ACTION RECORD—Continued

TO	FROM	TO	TOTAL FEET	FORMATION
1230	1230	1235	5	Anhydrite
1235	1235	1240	5	Red sand of THE HITEWON
1240	1240	1245	5	Anhydrite
1245	1245	1250	5	Anhydrite & Brown shale
1250	1250	1255	5	Lime and Anhydrite
1255	1255	1260	5	Anhydrite and brown shale
1260	1260	1265	5	Red shale and gyp
1265	1265	1270	5	Anhydrite
1270	1270	1275	5	Dark sandy shale
1275	1275	1280	5	Anhydrite
1280	1280	1285	5	Anhydrite & Lime
1285	1285	1290	5	Gray lime
1290	1290	1295	5	Anhydrite & Lime
1295	1295	1300	5	Anhydrite
1300	1300	1305	5	Anhydrite & Lime
1305	1305	1310	5	Brown Lime - Gas show
1310	1310	1315	5	Anhydrite
1315	1315	1320	5	Gray and Brown Lime
1320	1320	1325	5	Brown Lime - Gas at 1787
1325	1325	1330	5	Anhydrite
1330	1330	1335	5	Gray Lime - Gas show 1817
1335	1335	1340	5	Anhydrite
1340	1340	1345	5	Brown Shale
1345	1345	1350	5	Anhydrite
1350	1350	1355	5	Brown Shale and Anhydrite
1355	1355	1360	5	Red shale
1360	1360	1365	5	Anhydrite
1365	1365	1370	5	Anhydrite & Lime
1370	1370	1375	5	Anhydrite and Brown Shale
1375	1375	1380	5	Anhydrite
1380	1380	1385	5	Red sandy shale
1385	1385	1390	5	Brown sandy shale & Anhydrite
1390	1390	1395	5	Anhydrite
1395	1395	1400	5	Gray Lime
1400	1400	1405	5	Anhydrite and Brown sandy shale
1405	1405	1410	5	Anhydrite
1410	1410	1415	5	Anhydrite
1415	1415	1420	5	Anhydrite
1420	1420	1425	5	Anhydrite
1425	1425	1430	5	Anhydrite
1430	1430	1435	5	Anhydrite
1435	1435	1440	5	Anhydrite
1440	1440	1445	5	Anhydrite
1445	1445	1450	5	Anhydrite
1450	1450	1455	5	Anhydrite
1455	1455	1460	5	Anhydrite
1460	1460	1465	5	Anhydrite
1465	1465	1470	5	Anhydrite
1470	1470	1475	5	Anhydrite
1475	1475	1480	5	Anhydrite
1480	1480	1485	5	Anhydrite
1485	1485	1490	5	Anhydrite
1490	1490	1495	5	Anhydrite
1495	1495	1500	5	Anhydrite
1500	1500	1505	5	Anhydrite
1505	1505	1510	5	Anhydrite
1510	1510	1515	5	Anhydrite
1515	1515	1520	5	Anhydrite
1520	1520	1525	5	Anhydrite
1525	1525	1530	5	Anhydrite
1530	1530	1535	5	Anhydrite
1535	1535	1540	5	Anhydrite
1540	1540	1545	5	Anhydrite
1545	1545	1550	5	Anhydrite
1550	1550	1555	5	Anhydrite
1555	1555	1560	5	Anhydrite
1560	1560	1565	5	Anhydrite
1565	1565	1570	5	Anhydrite
1570	1570	1575	5	Anhydrite
1575	1575	1580	5	Anhydrite
1580	1580	1585	5	Anhydrite
1585	1585	1590	5	Anhydrite
1590	1590	1595	5	Anhydrite
1595	1595	1600	5	Anhydrite
1600	1600	1605	5	Anhydrite
1605	1605	1610	5	Anhydrite
1610	1610	1615	5	Anhydrite
1615	1615	1620	5	Anhydrite
1620	1620	1625	5	Anhydrite
1625	1625	1630	5	Anhydrite
1630	1630	1635	5	Anhydrite
1635	1635	1640	5	Anhydrite
1640	1640	1645	5	Anhydrite
1645	1645	1650	5	Anhydrite
1650	1650	1655	5	Anhydrite
1655	1655	1660	5	Anhydrite
1660	1660	1665	5	Anhydrite
1665	1665	1670	5	Anhydrite
1670	1670	1675	5	Anhydrite
1675	1675	1680	5	Anhydrite
1680	1680	1685	5	Anhydrite
1685	1685	1690	5	Anhydrite
1690	1690	1695	5	Anhydrite
1695	1695	1700	5	Anhydrite
1700	1700	1705	5	Anhydrite
1705	1705	1710	5	Anhydrite
1710	1710	1715	5	Anhydrite
1715	1715	1720	5	Anhydrite
1720	1720	1725	5	Anhydrite
1725	1725	1730	5	Anhydrite
1730	1730	1735	5	Anhydrite
1735	1735	1740	5	Anhydrite
1740	1740	1745	5	Anhydrite
1745	1745	1750	5	Anhydrite
1750	1750	1755	5	Anhydrite
1755	1755	1760	5	Anhydrite
1760	1760	1765	5	Anhydrite
1765	1765	1770	5	Anhydrite
1770	1770	1775	5	Anhydrite
1775	1775	1780	5	Anhydrite
1780	1780	1785	5	Anhydrite
1785	1785	1790	5	Anhydrite
1790	1790	1795	5	Anhydrite
1795	1795	1800	5	Anhydrite
1800	1800	1805	5	Anhydrite
1805	1805	1810	5	Anhydrite
1810	1810	1815	5	Anhydrite
1815	1815	1820	5	Anhydrite
1820	1820	1825	5	Anhydrite
1825	1825	1830	5	Anhydrite
1830	1830	1835	5	Anhydrite
1835	1835	1840	5	Anhydrite
1840	1840	1845	5	Anhydrite
1845	1845	1850	5	Anhydrite
1850	1850	1855	5	Anhydrite
1855	1855	1860	5	Anhydrite
1860	1860	1865	5	Anhydrite
1865	1865	1870	5	Anhydrite
1870	1870	1875	5	Anhydrite
1875	1875	1880	5	Anhydrite
1880	1880	1885	5	Anhydrite
1885	1885	1890	5	Anhydrite
1890	1890	1895	5	Anhydrite
1895	1895	1900	5	Anhydrite
1900	1900	1905	5	Anhydrite
1905	1905	1910	5	Anhydrite
1910	1910	1915	5	Anhydrite
1915	1915	1920	5	Anhydrite
1920	1920	1925	5	Anhydrite
1925	1925	1930	5	Anhydrite
1930	1930	1935	5	Anhydrite
1935	1935	1940	5	Anhydrite
1940	1940	1945	5	Anhydrite
1945	1945	1950	5	Anhydrite
1950	1950	1955	5	Anhydrite
1955	1955	1960	5	Anhydrite
1960	1960	1965	5	Anhydrite
1965	1965	1970	5	Anhydrite
1970	1970	1975	5	Anhydrite
1975	1975	1980	5	Anhydrite
1980	1980	1985	5	Anhydrite
1985	1985	1990	5	Anhydrite
1990	1990	1995	5	Anhydrite
1995	1995	2000	5	Anhydrite



Gamma Ray Neutron

COMPANY ATLANTIC RICHFIELD COMPANY

WELL DALE E. PARKE "C" NO. 3-Y

FIELD GRAYBURG JACKSON

COUNTY EDDY STATE NEW MEXICO

LOCATION 330' FSL TO 330' FEL

SEC. 15 TWP. 17-S RGE. 30-E

GROUND LEVEL Elev. 3678 K3
G.L. 2 1' Above Permanent Datum 0'
GL 3678

2-13-70

ONE

G/P-N/TN

3450

3441

3440

2000

WATER

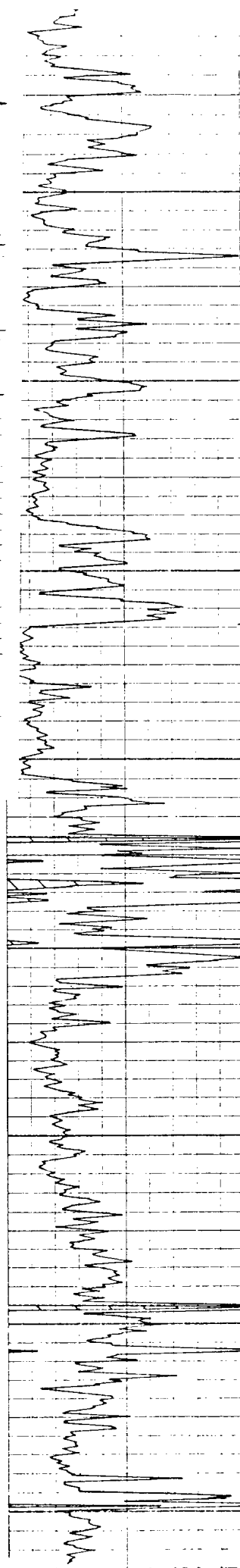
3080'

2 HOURS

WILSON

MR. TURTLE

Hole Record				Casing Record			
From	To	Size	Wgt.	From	To		
2983	3441	7"		SURF.	2983		



2700

2800

2900

3000

3100

3200

3300

3400

3-Y

1950 API
450 API

1950 API
3450 API

DMD

11-81

UNICHEM INTERNATIONAL

601 NORTH LEECH

P.O. BOX 1499

HOBBS, NEW MEXICO 88240

COMPANY : SOUTHLAND ROYALTY
DATE : 11-3-81
FIELD, LEASE & WELL : PARKE FRESH
SAMPLING POINT:
DATE SAMPLED : 10-26-81

Purchased Fresh Water
Used For Injection in SRC
Parke Area Waterflood
This water is purchased from
Yucca Water Company

SPECIFIC GRAVITY = 1
TOTAL DISSOLVED SOLIDS = 573
PH = 7.87

		ME/L	MG/L
CATIONS			
CALCIUM	(CA)+2	3	60.1
MAGNESIUM	(MG)+2	.59	7.2
SODIUM	(NA), CALC.	4.9	113.
ANIONS			
BICARBONATE	(HCO3)--1	3.2	195.
CARBONATE	(CO3)--2	0	0
HYDROXIDE	(OH)--1	0	0
SULFATE	(SO4)--2	.56	27
CHLORIDES	(CL)--1	4.7	169.
DISSOLVED GASES			
CARBON DIOXIDE	(CO2)	NOT RUN	
HYDROGEN SULFIDE	(H2S)	NOT RUN	
OXYGEN	(O2)	NOT RUN	
IRON(TOTAL)	(FE)		5.5
BARIUM	(BA)+2	NOT RUN	
STRONTIUM	(SR)+2	NOT RUN	

SCALING INDEX

TEMP

CARBONATE INDEX
CALCIUM CARBONATE SCALING
SULFATE INDEX
CALCIUM SULFATE SCALING

30C
86F
2.39
LIKELY
-32.
UNLIKELY

UNICHEM INTERNATIONAL

601 NORTH LEECH

P.O. BOX 1499

HOBBS, NEW MEXICO 88240

COMPANY : SOUTHLAND ROYALTY
DATE : 10-30-81
FIELD/LEASE/Well : PARKE PRODUCED
SAMPLING POINT:
DATE SAMPLED : 10-26-81

Reinjected Produced Water
Parke Area Waterflood

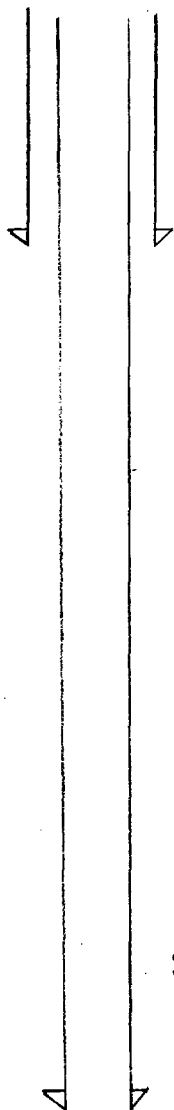
SPECIFIC GRAVITY = 1.048
TOTAL DISSOLVED SOLIDS = 71355
PH = 7.3

		ME/L	MG/L
CATIONS			
CALCIUM	(CA)+2	140	2805.
MAGNESIUM	(MG)+2	210	2552.
SODIUM	(NA), CALC.	893.	20532.
ANIONS			
BICARBONATE	(HCO3)--1	9.4	573.
CARBONATE	(CO3)--2	0	0
HYDROXIDE	(OH)--1	0	0
SULFATE	(SO4)--2	91.6	4400
CHLORIDES	(CL)--1	1142.	40490.
DISSOLVED GASES			
CARBON DIOXIDE	(CO2)	NOT RUN	
HYDROGEN SULFIDE	(H2S)	NOT RUN	
OXYGEN	(O2)	NOT RUN	
IRON(TOTAL)	(FE)		9.1
BARIUM	(BA)+2	NOT RUN	
STRONTIUM	(SR)+2	NOT RUN	

SCALING INDEX	TEMP
	30C
	86F
CARBONATE INDEX	.809
CALCIUM CARBONATE SCALING	LIKELY
SULFATE INDEX	.172
CALCIUM SULFATE SCALING	LIKELY

OPERATOR Southland Royalty		LEASE Dale H. Parke "C"		
WELL NO. 3Y	FOOTAGE LOCATION 330 FSL & FEL	SECTION 15	TOWNSHIP 17S	RANGE 30E

Schematic



Tabular Data

Surface Casing

Size 10 " Cemented with Mudded sx.

TOC NA feet determined by NA

Hole size NA

Intermediate Casing

Size 6 5/8 " Cemented with Mudded sx.

TOC NA feet determined by NA

Hole size NA

Long string

Size 4 1/2 " Cemented with 350 sx.

TOC Surface feet determined by NA

Hole size NA

Total depth 3451

Injection interval

2916 feet to 3400 feet Perforated
(perforated or open-hole, indicate which)

See attached schematic.

Tubing size 2 3/8 lined with Plastic Applicators PA-500 set in a
(material)

Baker Model AD-1 packer at + 2800 feet.
(brand and model)

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Grayburg/ San Andres

2. Name of Field or Pool (if applicable) Grayburg Jackson (SR-Q-CB-SA)

3. Is this a new well drilled for injection? ☐ Yes ☒ No

If no, for what purpose was the well originally drilled? Oil

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Seven Rivers 1800

SOUTHLAND ROYALTY COMPANY

Well History Summary Sheet

Operator Southland Royalty Well Name & # Dale H. Parke "C" No. 3Y Lease # 024276-06
 SRC District Midland Made By David Dale Date 8/28/81
 Location 330' ESL & EEL, Sec. 15, T-17-S, R-30-E Eddy County, New Mexico
 Spud Date 6/29/35 Compl. Date 9/16/35 TD 3451' PBTD _____
 Type Well: Oil ☒ Gas _____ Other _____ Field Grayburg Jackson (SR-Q-GB-SA)
 IP 75 BOPD before acid 505 BOPD after _____ Zone Grayburg/San Andres
 Perfs.: _____ Total Holes _____
 Stimulation _____
 Cumul. Oil _____ MCF _____ Water _____
 Recent Test _____ Lift Equipment _____
 Misc. Drilled w/cable tools GL 3675'

WELL HISTORY

Drive or Conductor
 _____" @ _____'
 Surface: 10"
40" # Gr. Unknown
 @ 433" Cmt. w/
mudded Sx. TOC _____
 Hole Size Unknown"
 Max Mud Wt. Unknown #/G

Intermediate:
6 5/8" # 24
 Gr Unknown @ 2981"
 Cmt w/ mudded Sx.
 TOC @ N.A." Hole
 Size Unknown" Max Mud
 Wt. Unknown #/G

Liner: _____"
 From _____' To
 _____' #
 _____ Gr., Cmt. w/
 _____ Sx. TOC @
 _____' Hole Size
 _____" Max Mud
 Wt. _____ #/G

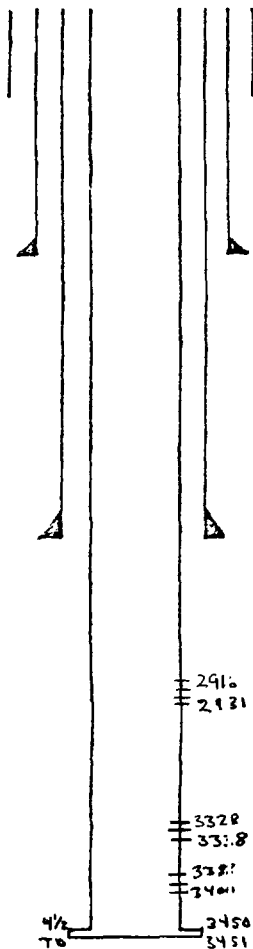
Production: 4 1/2"
10.5 #, K-55 Gr.
 @ 3450" Cmt. w/
350" Sx. TOC @
surface" Hole Size
unknown" Mx Mud Wt.
unknown #/G

TD 3451'

8/81 Mill out collapsed 6 5/8 csg @
 2977. Recover fish & clean out
 to 3451'. Run 4 1/2" csg to 3450
 & cmt w/350 sx. circ 42 sx. Run
 GR-CCL TD-surf. Perforate 2JSPF
 2916-31, 3328-38, 3388-3400'.
 Acidize pf w/4420 gal 15% dropping
 96 RCNB MP 2200 MP 1300 AP 1500
 AIR 5 BPM ISIP 1200 5 min 1100
 10 min 1050, 15 min 1050

SR 3404'

Tubing 2 3/8" # 4.7 # J-55 Gr. @ 3429
 Tubing _____" # _____ # Gr. @ _____
 Packer @ _____



Affidavit of Publication

Copy of Publication

No. 9321

STATE OF NEW MEXICO,
County of Eddy:

Gary D. Scott being duly sworn, says: That he is the Business Manager of The Artesia Daily Press, a daily newspaper of general circulation, published in English at Artesia, said county and state, and that the hereto attached Legal Notice

was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of

the State of New Mexico for 1 days consecutive weeks on the same day as follows:

First Publication November 30, 1981

Second Publication

Third Publication

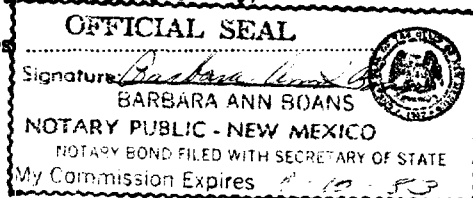
Fourth Publication

and that payment therefore in the amount of \$ has been made.

Subscribed and sworn to before me this 7th day of December, 1981.

Notary Public, Eddy County, New Mexico

My Commission expires



LEGAL NOTICE

November 30, 1981
CONVERT WELL TO
WATER INJECTION
Southland Drilling Company,
1100 West 10th Street, West,
Midland, Texas 79701 682-0641,
Mr. Ken [redacted], District Pro-
duction Manager, intends for
the purpose of secondary
recovery to convert from pro-
ducing oil well to water in-
jection well its Dale [redacted] "C"
#3Y, [redacted] F81 and
330' [redacted] T-17-S, R-
30-E, [redacted] New Mex-
ico. Total depth 10,451 in the
Gray [redacted] Forma-
tion. Once completed to inject
produced water at a rate of ap-
proximately 20 barrels per day
with a surface pressure of about
1900 psi. Any objections to this
intent or requests for hearing
must be filed with the New Mex-
ico Oil Conservation Division,
P.O. Box 2000, Santa Fe, New
Mexico 87501, within 30 days of
this publication.

Published in the Artesia Dal-
ly Press, Artesia, New Mexico,
Nov. 30,
1981.

Legal No. 9321.

DALE H. PARKE "C" #3-Y

LANDOWNER

OFFSET OPERATOR

OFFSET OPERATOR

PS Form 3811, Jan. 1979

● SENDER: Complete items 1, 2, and 3.
Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one):
☒ Show to whom and date delivered.....
☐ Show to whom, date and address of delivery.....
☐ RESTRICTED DELIVERY
☐ Show to whom and date delivered.....
☐ RESTRICTED DELIVERY.
Show to whom, date, and address of delivery: 5

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Charles Martin, Inc
P.O. Box 706
Artesia N.M. 88210

3. ARTICLE DESCRIPTION:
REGISTERED NO. 0544293 INSURED NO.
(Always obtain signature of addressee or agent)
I have received the article described above.
SIGNATURE [Signature] Addressed [] Authorized agent

4. DATE OF DELIVERY 12-10-81
12-10-81
10
1981

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: [] CLERK'S INITIALS [Signature]

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

PS Form 3811, Jan. 1979

● SENDER: Complete items 1, 2, and 3.
Add your address in the "RETURN TO" space on reverse.

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☐ Show to whom, date and address of delivery.....
☐ RESTRICTED DELIVERY
☐ Show to whom and date delivered.....
☐ RESTRICTED DELIVERY.
Show to whom, date, and address of delivery: 5

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Burnett Oil Co.
1212 First Nat'l Bank Bldg
Ft. Worth, Tx 76102

3. ARTICLE DESCRIPTION:
REGISTERED NO. 0544294 INSURED NO.
(Always obtain signature of addressee or agent)
I have received the article described above.
SIGNATURE [Signature] Addressed [] Authorized agent

4. DATE OF DELIVERY 11 DEC 1981
11 DEC 1981
11
1981

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: [] CLERK'S INITIALS [Signature]

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

PS Form 3811, Jan. 1979

● SENDER: Complete items 1, 2, and 3.
Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one):
☒ Show to whom and date delivered.....
☐ Show to whom, date and address of delivery.....
☐ RESTRICTED DELIVERY
☐ Show to whom and date delivered.....
☐ RESTRICTED DELIVERY.
Show to whom, date, and address of delivery: 5

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Petroleum Corporation of Tx
P.O. Box 911
Breckenridge, Tx 76024

3. ARTICLE DESCRIPTION:
REGISTERED NO. 0544342 INSURED NO.
(Always obtain signature of addressee or agent)
I have received the article described above.
SIGNATURE [Signature] Addressed [] Authorized agent

4. DATE OF DELIVERY DEC 11 1981
DEC 11 1981
11
1981

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: [] CLERK'S INITIALS [Signature]

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL