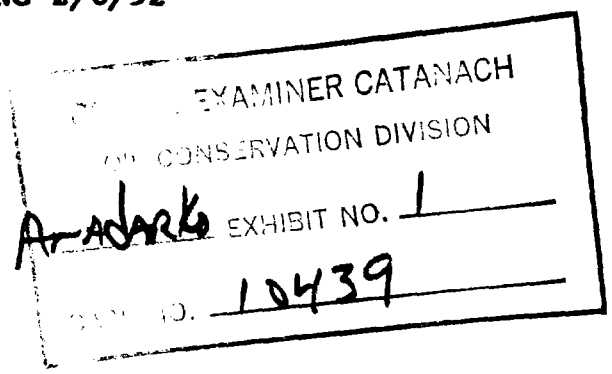
Exhibits 1 and 2

ANADARKO PETROLEUM CORPORATION
EXXON SWD NO. 3 HEARING 2/6/92



I. Why we need the disposal well.

A. Water from Exxon No. 1
   1. Options
      a. Trucking
      b. Laguna Gatuna
      c. Disposal well

II. Permits

A. BLM has been approved (OCD has copy)

B. NMOCD Permit
   1. Offset Mineral Owners contacted w/no objections
   2. Surface Owner contacted w/no objections
   3. Application made based on
      a. NMOCD Rule 701-D-1,2,3
      b. Capitan Reefs poor water quality

III. Sources of Information

A. Personal Experience
   1. Severe lost circulation
   2. Water saline & sour (H2S)

B. City of Carlsbad
   1. Max Cordova - Environmental Engineer
   2. Jim Harrison - Water Dept.

C. State Engineers Office Roswell

D. State Engineers - Technical Report #38
   (Capitan Aquifer Observation - Well Network Carlsbad to Jal New Mexico by W. L. Hiss w/cooperation of USGS)

IV. Capitan Reef

A. Put up slide #1
   1. Explain reef building on edge of Delaware Basin
      a. Point out Delaware Basin, Reef, State Lines, City of Carlsbad, Jal, Exxon #3, WSW #1
   2. Reef Today
      a. Outcrops in Mts west of Carlsbad, Pecos River, Dip of Reef east to south
   3. Water west of Pecos fresh w/source greatly dependant on local weather
   4. East of Pecos reef appears to be fractured and the saline Pecos River is source of part of eastern reef water
   5. Current use of water west of Pecos is fresh water for City of Carlsbad. I visited w/both Mr. Cordova & Mr. Harrison - they said as does the Tech Report #38 that the Capitan Reef west of Pecos is not supplied by same source.

6. Water withdraw east of the Pecos is for refining & waterflooding in Eddy, Lea, Winkler & Ward Counties.

B. Put up slide #2
   1. Explain Tech Report #38 & observation wells, point to Exxon #3, WSW #1, Little Eddy Unit I, rest of the 16 wells monitored.

C. Slide #3 Explain
   1. West to East
   2. Increase subsea depth
   3. Flow of ground water in reef east
   4. Decrease in water level of eastern reef
      a. eg FL 6/67 to 3/76 dropped 500' to 600' during study
   5. Compare Water Analysis

I - SECONDARY OR OTHER ENHANCED RECOVERY, PRESSURE MAINTENANCE, SALT WATER DISPOSAL, AND UNDERGROUND STORAGE

Order No. R-6702, effective July 1, 1981, amended, adopted and renumbered Rules 701 through 708.

RULE 701. INJECTION OF FLUIDS INTO RESERVOIRS (As Amended by Order No. R-930, December 28, 1956; Order No. R-1525, November 9, 1959; Order No. R-1644, May 1, 1960; Order No. R-2490, May 28, 1963; Order No. R-2764, September 8, 1964; Order No. R-2761, January 1, 1965; Order No. R-3092, July 18, 1966; Order No. R-3375, March 1, 1968; Order No. R-3933, June 1, 1970; Order No. R-4348, September 1, 1972; Order No. R-4381, September 1, 1972; Order No. R-6702, July 1, 1981; and Order No. R-8390, February 1, 1987.)
(See Section IV, Secondary Recovery, for Complete Order No. R-1525.)

A. PERMIT FOR INJECTION REQUIRED (As Amended by Order No. R-6702, July 1, 1981.)

The injection of gas, liquefied petroleum gas, air, water, or any other medium into any reservoir for the purpose of maintaining reservoir pressure or for the purpose of secondary or other enhanced recovery or for storage or the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Division after notice and hearing, unless otherwise provided herein.

B. METHOD OF MAKING APPLICATION (As Amended by Order No. R-2490, May 28, 1963; Order No. R-3375, March 1, 1968; and Order No. R-6702, July 1, 1981.)

(1) Application for authority for the injection of gas, liquefied petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of water flood projects, enhanced recovery projects, pressure maintenance projects, and salt water disposal, shall be by submittal of Division Form C-108 complete with all attachments.

(2) The applicant shall furnish, by certified or registered mail, a copy of the application to the owner of the surface of the land on which each injection or disposal well is to be located and to each leasehold operator within one-half mile of the well.

(3) Administrative Approval

If the application is for administrative approval rather than for a hearing, it must also be accompanied by a copy of a legal publication published by the applicant in a newspaper of general circulation in the county in which the proposed injection well is located. (The details required in such legal notice are listed on Side 2 of Form C-108.)

No application for administrative approval may be approved until 15 days following receipt by the Division of Form C-108 complete with all attachments including evidence of mailing as required under paragraph 2 above and proof of publication as required by paragraph 3 above.

If no objection is received within said 15-day period, and a hearing is not otherwise required, the application may be approved administratively.

C. HEARINGS

If a written objection to any application for administrative approval of an injection well is filed within 15 days after receipt of a complete application, or if a hearing is required by these rules or deemed advisable by the Division Director, the application shall be set for hearing and notice thereof given by the Division.

D. SALT WATER DISPOSAL WELLS (As Amended by Order No. R-2490, May 28, 1963; Order No. R-2761, January 1, 1965; Order No. R-3375, March 1, 1968; Order No. R-6702, July 1, 1981; and Order No. R-8390, February 1, 1987.)

1. The Division Director shall have authority to grant an exception to the requirements of Rule 701-A for water disposal wells only, without hearing, when the waters to be disposed of are mineralized to such a degree as to be unfit for domestic, stock, irrigation, or other general use, and when said waters are to be disposed of into a formation older than Triassic (Lea County only) and provided no objections are received pursuant to Rule 701-B 3.

(I-SECONDARY OR OTHER ENHANCED RECOVERY, PRESSURE MAINTENANCE, SALT WATER DISPOSAL, AND UNDERGROUND STORAGE - Cont'd.)

2. Disposal will not be permitted into zones containing waters having total dissolved solids concentrations of 10,000 mg/l or less except after notice and hearing, provided however, that the Division may establish exempted aquifers for such zones wherein such injection may be approved administratively.

3. Notwithstanding the provisions of paragraph 2. above, the Division Director may authorize disposal into such zones if the waters to be disposed of are of higher quality that the native water in the disposal zone.

E. PRESSURE MAINTENANCE PROJECTS

1. Pressure maintenance projects are defined as those projects in which fluids are injected into the producing horizon in an effort to build up and/or maintain the reservoir pressure in an area which has not reached the advanced or "stripper" state of depletion.

2. All applications for establishment of pressure maintenance projects shall be set for hearing.

The project area and the allowable formula for any pressure maintenance project shall be fixed by the Division on an individual basis after notice and hearing.

3. Pressure maintenance projects may be expanded and additional wells placed on injection only upon authority from the Division after notice and hearing or by administrative approval.

The Division Director shall have authority to grant an exception to the hearing requirements of Rule 701-A for the conversion to injection of additional wells within a project area provided that any such well is necessary to develop or maintain efficient pressure maintenance within such project and provided that no objections are received pursuant to Rule 701-B(3).

F. WATER FLOOD PROJECTS (As Amended by Order No. R-2764, September 8, 1964; Order No. R-3092, July 18, 1966; Order No. R-3375, March 1, 1968; Order No. R-3933, June 1, 1970; Order No. R-4348, September 1, 1972; Order No. R-4381, September 1, 1972; and Order No. R-6702, July 1, 1981.)

1. Water flood projects are defined as those projects in which water is injected into a producing horizon in sufficient quantities and under sufficient pressure to stimulate the production of oil from other wells in the area, and shall be limited to those areas in which the wells have reached an advanced state of depletion and are regarded as what is commonly referred to as "stripper" wells.

2. All applications for establishment of water flood projects shall be set for hearing.

The project area of a water flood project shall comprise the proration units owned or operated by a given operator upon which injection wells are located plus all proration units owned or operated by the same operator which directly or diagonally offset the injection tracts and have producing wells completed on them in the same formation; provided however, that additional proration units not directly nor diagonally offsetting an injection tract may be included in the project area if, after notice and hearing, it has been established that such additional units have wells completed thereon which have experienced a substantial response to water injection.

3. The allowable assigned to wells in a water flood project area shall be equal to the ability of the wells to produce and shall not be subject to the depth bracket allowable for the pool nor to the market demand percentage factor.

Nothing herein contained shall be construed as prohibiting the assignment of special allowables to wells in buffer zones after notice and hearing. Special allowables may also be assigned in

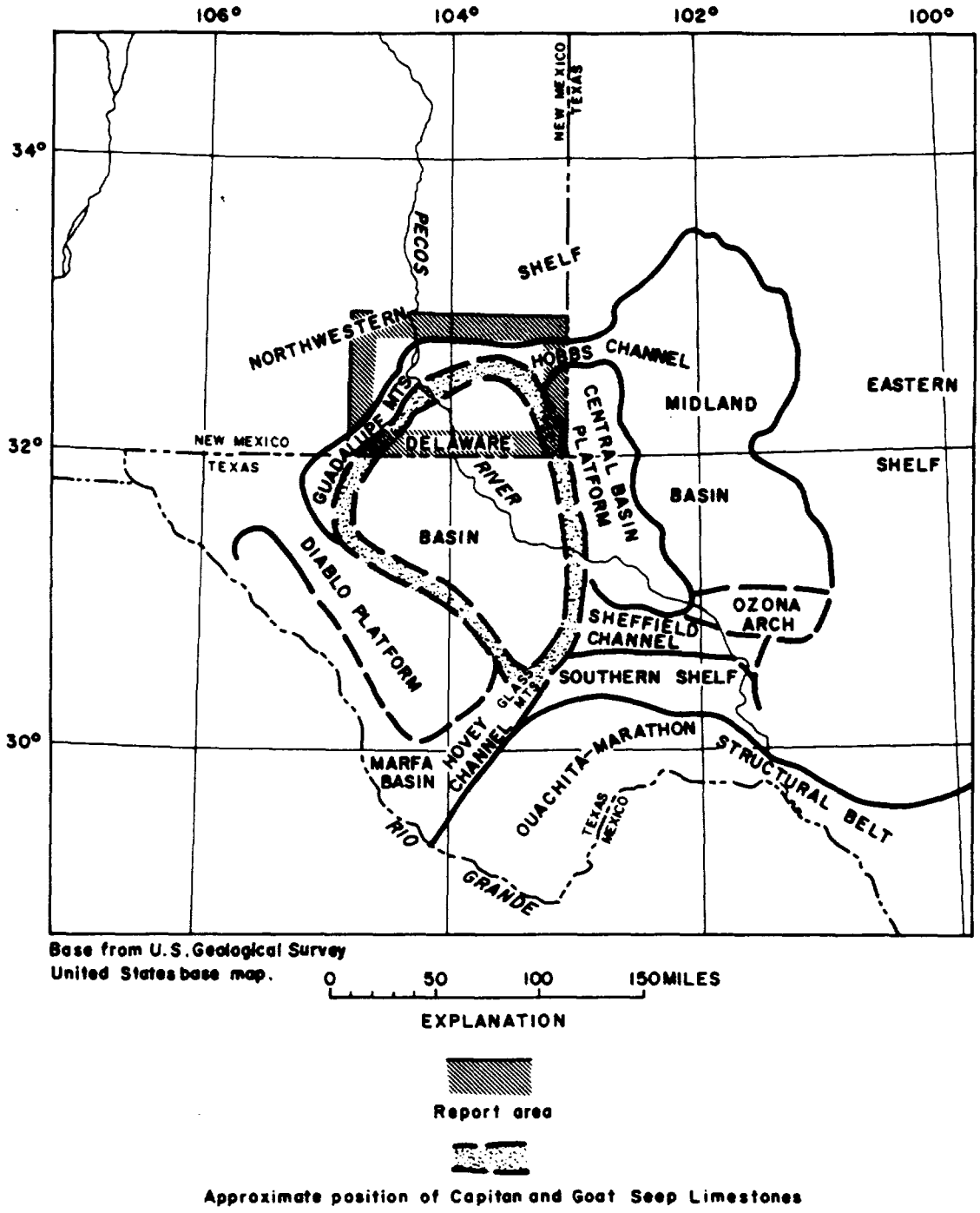
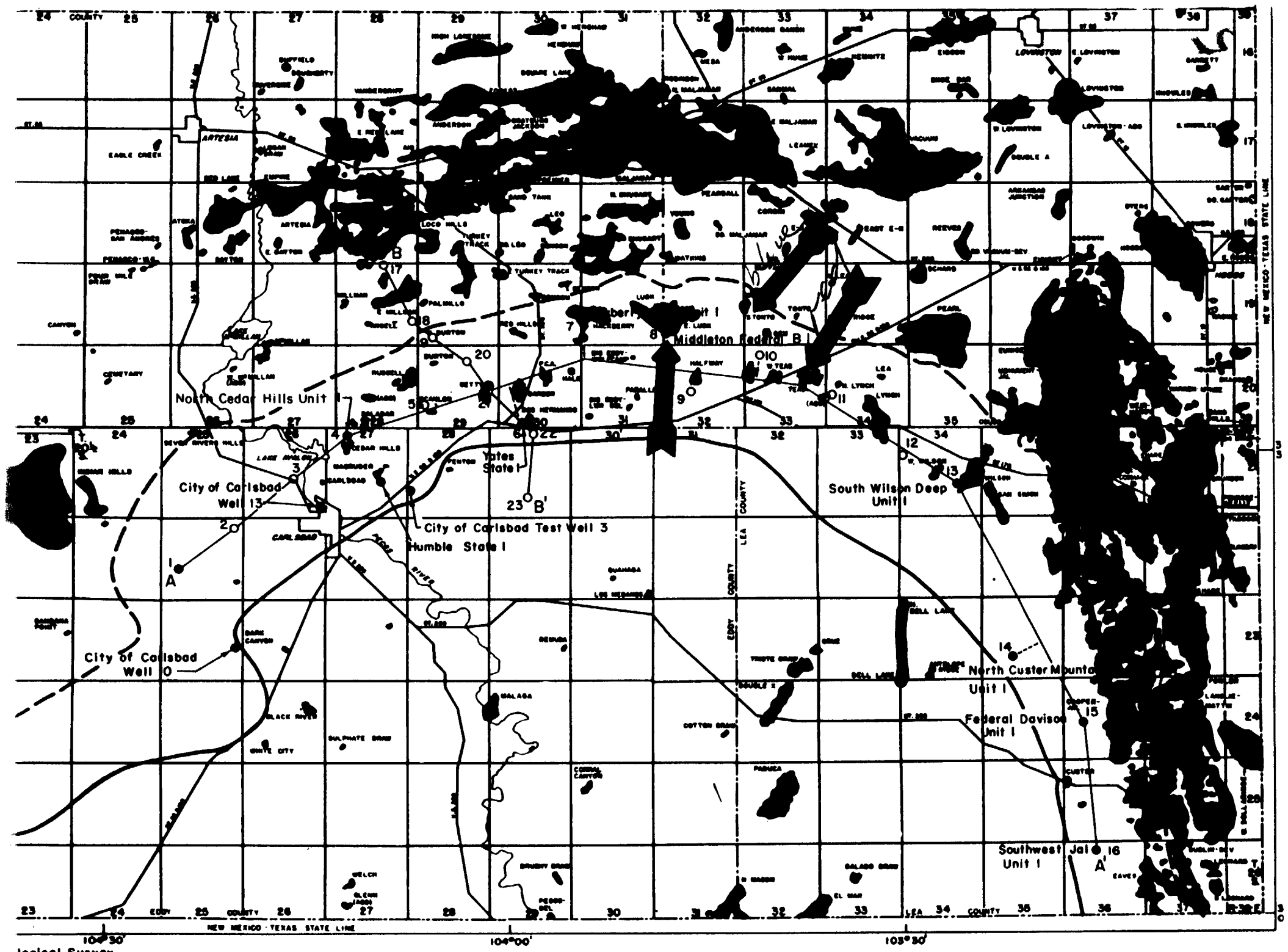


Figure 1.--Tectonic elements in the Permian basin of west Texas and southeastern New Mexico (modified after Oriel, Meyers, and Crosby, 1967).



logical Survey,
swell 38,

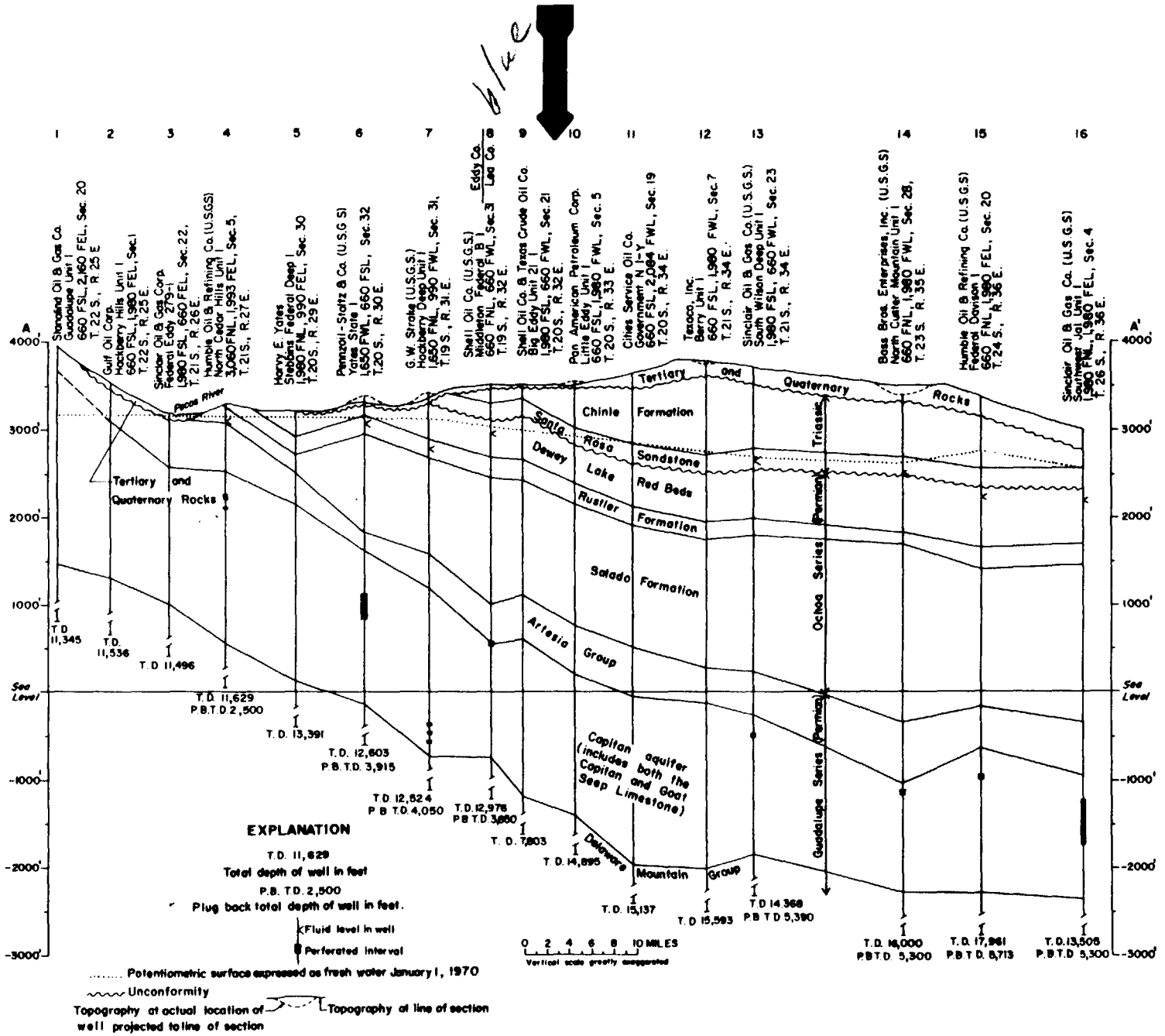


Figure 3.--Longitudinal stratigraphic section A-A' showing the position of the Capitan aquifer, Eddy and Lea Counties, New Mexico.

Table 2.--Chemical quality of water in Capitan aquifer observation wells - Concluded

Location number	Well name	Aquifer	Producing interval or sampling depth (feet)	Date	Silica (SiO_2)	Calcium (Ca)	Magnesium (Mg)	Sodium + Potassium (Na+K)	Bicarbonate (HCO_3)	Carbonate (CO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Total dissolved solids	Hardness as $CaCO_3$: Calcium magnesium	Hardness as $CaCO_3$: Noncarbonate	Specific gravity 20°C	SAR	Specific conductance (micromhos at 25°C)	pH
20.30.32.341	Yates State 1 - Concluded	Capitan	1,000[2,4610/]	12-29-71	---	1,452	600	13,808	595	---	4,410	22,016	---	43,712	6,100	---	1.031	---	50,000	7.1
32.341	do.	do.	1,500[2,4610/]	12-29-71	---	1,452	552	14,387	576	---	4,480	22,726	---	43,730	5,900	---	1.031	---	52,083	7.1
32.341	do.	do.	2,000[2,4610/]	12-29-71	---	1,452	552	14,385	571	---	4,480	22,726	---	43,858	5,900	---	1.030	---	50,000	7.1
32.341	do.	do.	2,500[2,4610/]	12-29-71	---	946	482	10,348	134	---	3,080	16,689	---	32,058	4,350	---	1.022	---	43,680	6.9
19.31.31.132[1/]	Hackberry Deep Unit 1	do.	2,113[4467/]	12-15-66	---	---	---	---	---	---	---	87,500	---	---	---	---	1.109	---	175,000	---
31.132[1/]	do.	do.	3,005[4467/]	12-15-66	---	---	---	---	---	---	---	87,000	---	---	---	---	1.109	---	174,000	---
31.132[1/]	do.	do.	3,746[4467/]	12-15-66	---	---	---	---	---	---	---	87,500	---	---	---	---	1.109	---	174,000	---
31.132[1/]	do.	do.	3,832[4467/]	12-15-66	---	---	---	---	---	---	---	102,000	---	---	---	---	1.130	---	194,000	---
31.132[1/]	do.	do.	3,936[4667/]	12-15-66	---	---	---	---	---	---	---	106,000	---	---	---	---	1.134	---	197,000	---
31.132[1/]	do.	do.	750[2,4667/]	10-21-71	---	1,892	1,767	69,691	5	---	5,320	112,210	---	191,024	12,000	---	1.115[12/]	---	200,000	5.0
31.132[1/]	do.	do.	1,520[2,4667/]	10-21-71	---	1,848	1,842	68,569	0	---	5,110	110,790	---	188,307	12,200	---	1.114	---	196,078	4.9
31.132[1/]	do.	do.	2,020[2,4667/]	10-21-71	---	1,804	1,699	69,879	2	---	5,250	112,210	---	190,993	11,500	---	1.115	---	200,000	5.0
31.132[1/]	do.	do.	2,770[2,4667/]	10-21-71	---	1,716	1,825	69,756	10	---	5,250	112,210	---	190,902	11,800	---	1.115	---	200,000	5.25
31.132[1/]	do.	do.	3,270[2,4667/]	10-21-71	---	1,760	1,701	69,874	5	---	5,110	112,210	---	190,791	11,400	---	1.116	---	200,000	5.1
31.132[1/]	do.	do.	3,770[2,4667/]	10-21-71	---	1,980	1,883	66,796	649	---	4,970	107,949	---	184,227	12,700	---	1.112	---	196,078	7.1
19.32.31.110[2/]	Middleton Federal B 1	Seven Rivers-Capitan	2,923-2,957	9-26-63	9.2	1,032	537	8,530	357	---	3,430	13,210	---	27,200	4,688	---	1.024	---	---	7.8
31.110	do.	do.	2,923-2,957	10-26-66	---	1,200	446	7,810	460	0	3,650[9/]	12,500[9/]	---	25,800	4,830	4,450	1.017	48	36,100	6.8
31.110[2/]	do.	do.	2,923-2,957	10-26-66	---	1,095	953	7,950	389	---	454[9/]	17,900[9/]	---	28,740	---	---	1.020	---	---	7.5
21.34.23.310[2/]	South Wilson Deep Unit 1	Capitan	4,169-4,187	10-25-66	---	---	---	---	---	---	---	5,920	---	---	---	---	1.012	---	---	---
23.310	do.	do.	4,169-4,187	10-25-66	---	1,040	302	3,190	480	0	2,820	5,250	---	12,800	3,830	3,440	1.008	22.0	18,300	6.7
23.35.28.120[1/]	North Custer Mountain Unit 1	do.	4,470-4,507	10-12-66	---	---	---	---	---	---	---	23,200	---	---	---	---	1.029	---	59,500	6.4
28.120[1&2/]	do.	do.	4,470-4,507	10-12-66	---	1,500	1,270	11,370	488	---	465	23,900	---	---	---	---	1.034	---	---	---
24.36.20.210[1/]	Federal Davison 1	do.	1,073[4668/]	11- 4-66	---	---	---	---	---	---	---	157,000	---	---	---	---	1.173	---	215,000	---
20.210[1/]	do.	do.	2,134[4668/]	11- 4-66	---	---	---	---	---	---	---	160,000	---	---	---	---	1.177	---	219,000	8.0
20.210[1/]	do.	do.	4,000[4668/]	11- 4-66	---	---	---	---	---	---	---	161,000	---	---	---	---	1.176	---	219,000	8.2
20.210[1/]	do.	do.	5,500[4668/]	11- 4-66	---	---	---	---	---	---	---	160,000	---	---	---	---	1.179	---	220,000	8.3
20.210[1/]	do.	do.	1,500[4668/]	11-15-72	---	820	1,592	66,389	288	14	6,215	103,688	---	173,448	---	---	1.109	---	---	8.7
26.36. 4.230[1/]	Southwest Jal Unit 1	do.	4,199-4,695	6-14-66	---	---	---	---	---	---	---	82,500	---	---	---	---	1.106	---	168,000	---

1/ Water does not represent formation fluid.
2/ Commercial service laboratory analysis.
3/ Density of oil at top of fluid column is 0.818 at 17.5°C.
4/ Spot samples in fluid column.
5/ Plugged-back production interval 640-906.
6/ Producing interval 290-319.
7/ Producing interval 3,736-3,939.
8/ Producing interval 4,278-4,285.
9/ Difference in chloride and sulfate due to determination by different methods.
10/ Producing interval 2,209-2,515.
11/ Producing interval 1,538-1,916.
12/ Density of oil at top of fluid column is 0.796 at 20°C.

Note: (Wells are listed in order of increasing distance from Carlsbad, N. Mex. along trace of the Capitan aquifer. Analyses are by U.S. Geological Survey unless otherwise indicated. Chemical constituents are in milligrams per liter.)

Unichem International

707 North Leech P.O.Box 1499

Hobbs, New Mexico 88240

Company : ANADARKO
Date : 10-10-1991
Location: TEAS YATES WSW #1 (on 10-10-1991)

	Sample 1
Specific Gravity:	1.075
Total Dissolved Solids:	105532
pH:	6.75
IONIC STRENGTH:	1.919

CATIONS:		me/liter	mg/liter
Calcium	(Ca^{+2})	80.0	1600
Magnesium	(Mg^{+2})	60.0	729
Sodium	(Na^{+1})	1660	38100
Iron (total)	(Fe^{+2})	0.002	0.060
Barium	(Ba^{+2})	0.031	2.10
Manganese	(Mn^{+2})	0.003	0.090
ANIONS:			
Bicarbonate	(HCO_3^{-1})	7.60	464
Carbonate	(CO_3^{-2})	0	0
Hydroxide	(OH^{-1})	0	0
Sulfate	(SO_4^{-2})	96.8	4650
Chloride	(Cl^{-1})	1690	60000
DISSOLVED GASES			
Carbon Dioxide	(CO_2)		10.0
Hydrogen Sulfide	(H_2S)		119

SCALING INDEX (positive value indicates scale)

Temperature		Calcium Carbonate	Calcium Sulfate
86°F	30°C	-0.06	-17
122°F	50°C	0.87	-17
140°F	60°C	1.2	-17
168°F	76°C	1.8	-12
176°F	80°C	1.9	-12
200°F	93°C	2.4	-12

UNICHEM INTERNATIONAL
P.O. BOX 1499 707 NORTH LEECH STREET
HOBBS, NEW MEXICO 88240

GSB
Well File

Anadarko Petroleum Corp.
P.O. Drawer 130
Artesia , NM 88210

Report Date: October 21, 1991
Lab In Date: October 21, 1991
Sample Date: October 18, 1991

Dear Jerry Buckles

Listed below please find our water analysis report from Teas Yates , Source Well : Teas Yates WSW #1

Specific Gravity:		1.080
Total Dissolved Solids:		111993
PH:		6.50
Ionic Strength:		2.050

CATIONS:		mg/liter
Calcium:	(Ca++)	1400
Magnesium:	(Mg++)	1336
Sodium:	(Na+)	40062
Iron (Total)	(Fe++)	1.20
Barium	(Ba++)	0.00
Manganese:	(Mn++)	.48
Resistivity:		
ANIONS:		
Bicarbonate:	(HCO3-)	415
Carbonate:	(CO3--)	0
Hydroxide:	(OH-)	0
Sulfate:	(SO4--)	3280
Chloride:	(Cl-)	65500
GASES:		
Carbon Dioxide:	(CO2)	10.0
Oxygen:	(O2)	******
Hydrogen Sulfide:	(H2S)	136.0

SCALE INDEX (Positive Value Indicates Scale Tendency) * indicates tests were not run.

Temperature		CaCO3 SI	CaSO4 SI
86F	30.0C	-.37	-37.04
104F	40.0C	-.16	-36.66
122F	50.0C	.10	-35.52
140F	60.0C	.43	-34.66
158F	70.0C	.76	-34.08
176F	80.0C	1.15	-33.79

If you have any questions or require further information, please contact us.

Sincerely,

Sharon Wright

Sharon Wright
Laboratory Technician

cc: Charlie Copeland
Jeff White - Midland

bc: Joe Hay
John Offutt

9

P O BOX 1468
MONAHANS TEXAS 79756
PH 943-3234 OR 563-1040

Martin Water Laboratories, Inc.

709 W INDIANA
MIDLAND TEXAS 79701
PHONE 683-4521

RESULT OF WATER ANALYSES

LABORATORY NO. 1091211

TO: Mr. George Buehler
P. O. Box 2692, Midland, TX 79702

SAMPLE RECEIVED 10-23-91
RESULTS REPORTED 10-28-91

COMPANY Anadarko Petroleum Corporation LEASE Texa Yates Water Supply Well #1

FIELD OR POOL

SECTION ___ BLOCK ___ SURVEY ___ COUNTY Lea STATE NM

SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 Raw water - taken from Capitan Reef water supply well (3,700'). 10-22-91

NO. 2 from well to Tex Co.

NO. 3

NO. 4

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0857			
pH When Sampled				
pH When Received	7.12			
Bicarbonate as HCO_3	519			
Supersaturation as $CaCO_3$				
Undersaturation as $CaCO_3$				
Total Hardness as $CaCO_3$	6,600			
Calcium as Ca	1,540			
Magnesium as Mg	668			
Sodium and/or Potassium	46,157			
Sulfate as SO_4	4,208			
Chloride as Cl	72,439			
Iron as Fe	0.88			
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	125,531			
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen,				
Hydrogen Sulfide	95.0			
Resistivity, ohms/m at 77° F.	0.080			
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks Please contact us if we can be of any assistance in interpretation of the above results.

Form No. 3

By

Waylan C. Martin, M.A.

cc: Mr. Dan Kernagan, Midland

10

Unichem International

707 North Leech P.O.Box 1499

Hobbs, New Mexico 88240

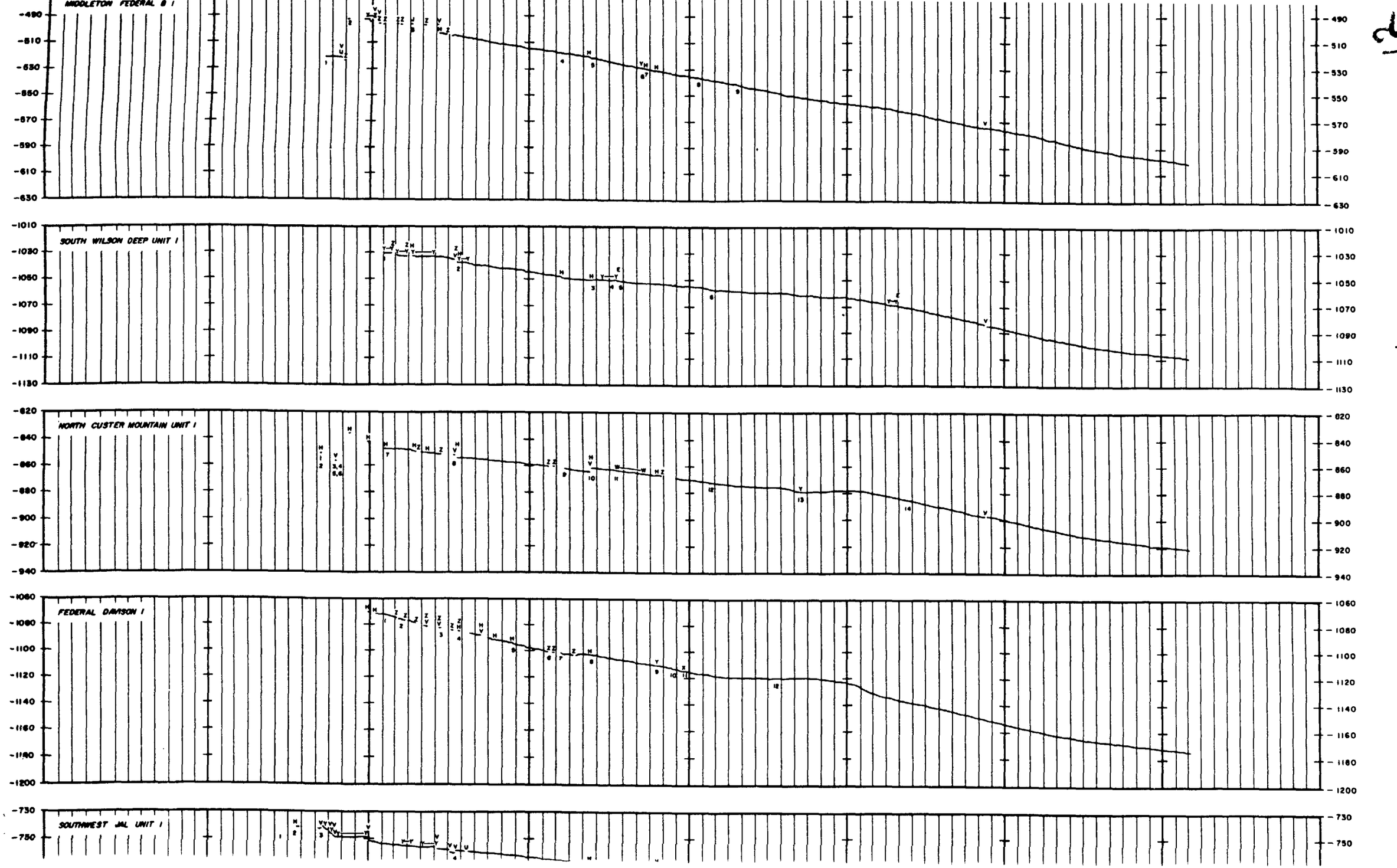
Company : ANADARKO
Date : 10-10-1991
Location: Exxon Federal #1 - Wellhead (on 8/12/91)

	Sample 1
Specific Gravity:	1.157
Total Dissolved Solids:	219389
pH:	6.30
Resistivity:	0.047 ohms @ 76°F
IONIC STRENGTH:	4.952

CATIONS:		me/liter	mg/liter
Calcium	(Ca^{+2})	1150	23000
Magnesium	(Mg^{+2})	832	10100
Sodium	(Na^{+1})	1980	45600
Iron (total)	(Fe^{+2})	0.752	21.0
Barium	(Ba^{+2})	0.051	3.50
Manganese	(Mn^{+2})	0.190	5.23
ANIONS:			
Bicarbonate	(HCO_3^{-1})	4.20	256
Carbonate	(CO_3^{-2})	0	0
Hydroxide	(OH^{-1})	0	0
Sulfate	(SO_4^{-2})	9.89	475
Chloride	(Cl^{-1})	3950	140000

SCALING INDEX (positive value indicates scale)

Temperature		Calcium Carbonate	Calcium Sulfate
104°F	40°C	2.5	1.00
122°F	50°C	2.7	1.00
140°F	60°C	3.1	1.00
168°F	76°C	3.6	1.0
176°F	80°C	3.8	1.0


MIDDLETON FEDERAL 8 I
-490
-510
-530
-550
-570
-590
-610
-630
SOUTH WILSON DEEP UNIT I
-1010
-1030
-1050
-1070
-1090
-1110
-1130
NORTH CUSTER MOUNTAIN UNIT I
-820
-840
-860
-880
-900
-920
-940
FEDERAL DAVISON I
-1060
-1080
-1100
-1120
-1140
-1160
-1180
-1200
SOUTHWEST JAL UNIT I
-730
-750

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501

FORM C-108
Revised 7-1-81

APPLICATION FOR AUTHORIZATION TO INJECT

I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ yes ☐ no

II. Operator: Anadarko Petroleum Corporation

Address: P. O. Drawer 130, Artesia, New Mexico 88210

Contact party: Jerry E. Buckles Phone: 505/748-3368

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 _____.

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: George R.S. Buehler Title Staff Production Engineer

Signature: George R S Buehler Date: October 11, 1991

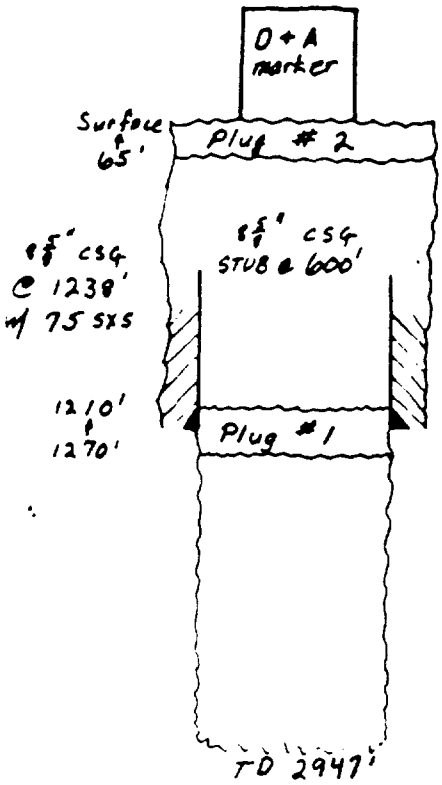
* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division

BEFORE EXAMINER CATANACH
OIL CONSERVATION DIVISION
CASE NO. 10439
Anadarko Exhibit No. 2

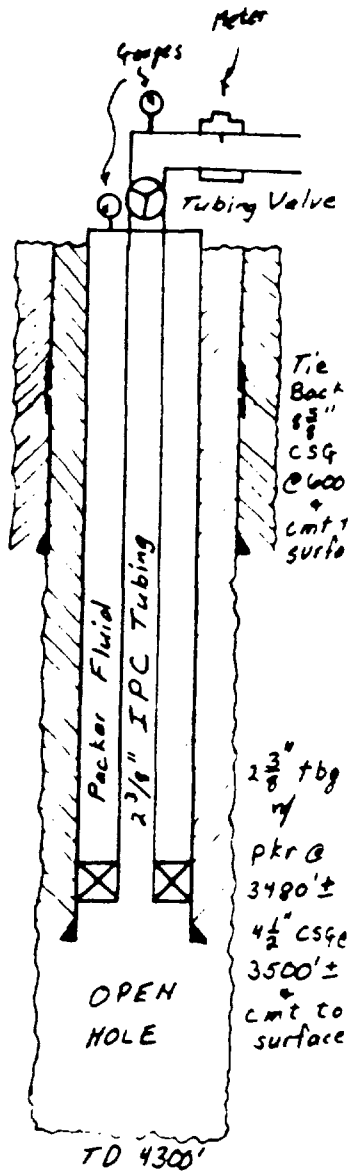
III A

WELL DATA SHEET



Before Re-entry

Date Spudded: February 24, 1957
Plugged: March 2, 1957
8-5/8" casing @ 1238' w/75 sxs
14 jts 28#
26 jts 24#
TD 2947'
Cut and pulled 600' of 8-5/8" casing plugs
#1 1270' to 1210'
#2 65' to surface



After Re-entry

8-5/8" casing 1238' to surface
1) Dress off csg stub & run fluid caliper
2) Bowl over & cement to surface
Drill new 7-7/8" hole 2947' to 4300'
Set 4-1/2 csg @ 3500' & cement to surface
Set 2-3/8" IPC tbg @ 3485'± w/Arrow - Set 1 J-lock Injection Packer
(Injection Into Zone 3500' to 4300')
Estimated Avg. Inj 1000 BWPD
Estimated Avg Inj Pres 200 psi
Estimated Maximum Pres 700 psi

EXXON Federal SWD No. 3
660' FNL & 1980' FWL
Sec. 19, T19S, R33E

III B

1) Disposal Formation: Capitan Reef

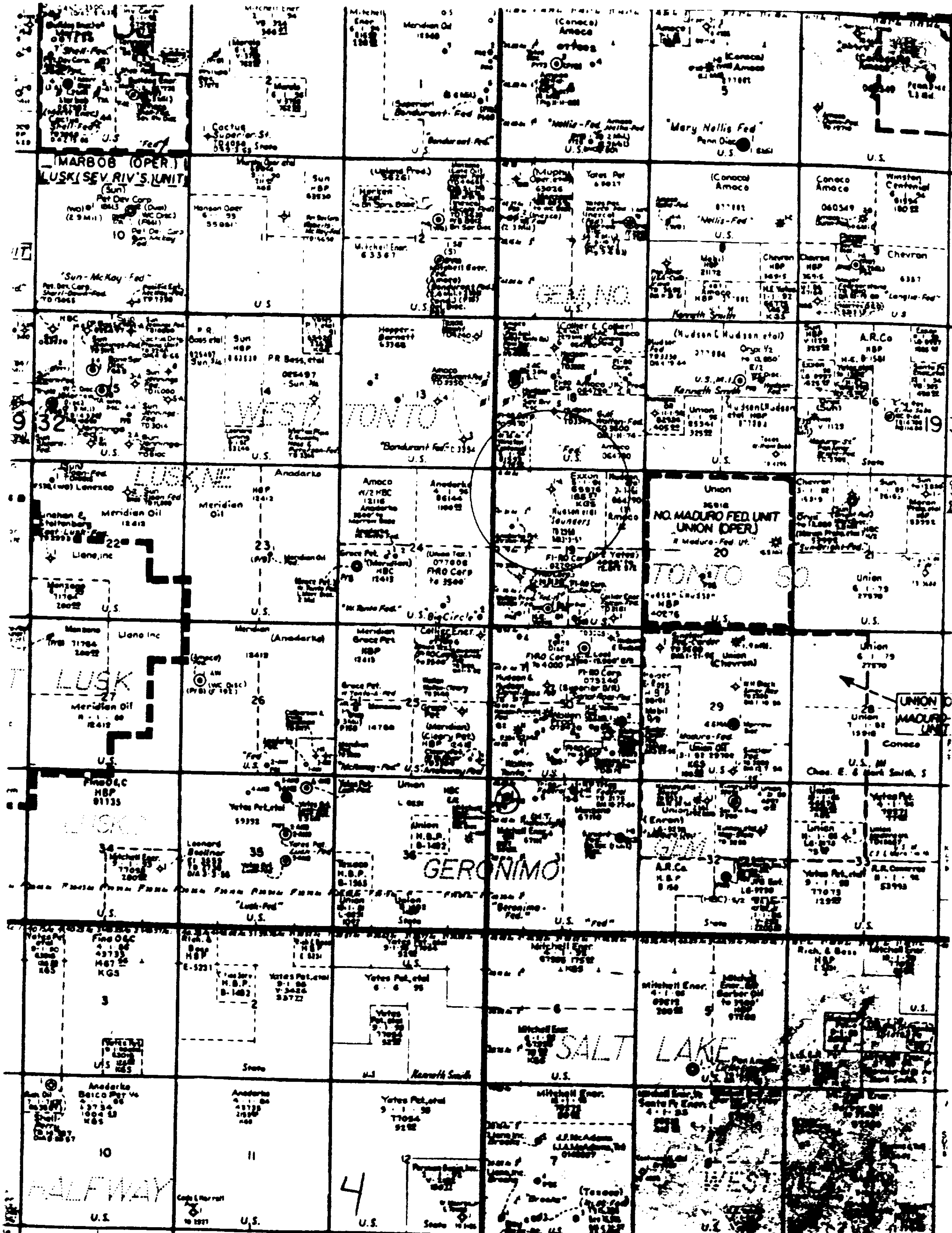
2) Disposal Interval: 3500-4300 (Open Hole)

3) Well was originally drilled to a TD of 2947'
The original operator Hudson & Hudson, Inc. had filed an intent to drill to 3100' with rotary tools and then change to cable tools and drill to 4300', set 5-1/2" casing and complete an oil well with perforations. Hudson & Hudson, Inc. never finished drilling the well but instead plugged the well March 2, 1957.

4) Well was partially drilled and abandoned prior to TD.
Plug #1 1270' to 1210' (amt cmt NR)
8-5/8" csg cut & pulled @ 600'
Plug #2 65' to surface (amt cmt NR)

5) The highest possible oil zone in this area is the Yates @ 2833' to 3255'

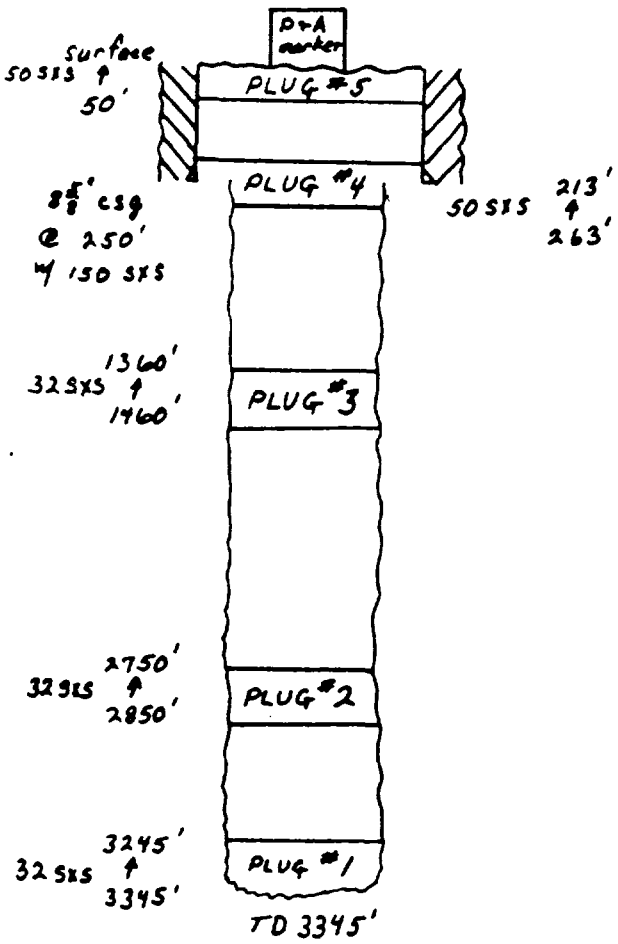
The next lower possible oil zone in this area is the Delaware @ 4977' to 7700'



MARBOB (OPER.)
LUSK (SEV. RIV'S.) UNIT
"Sun - McKay - Fed"
"Mary Nellis Fed"
"Nellis - Fed"
Cactus Superior St.
WEST TONTO
"Bondurant Fed"
NO. MADURO FED. UNIT
UNION (OPER.)
TONTO SO.
LUSK
UNION MADURO UNIT
GERONIMO
"Lusk-Fed"
"Geronimo-Fed."
SALT LAKE
HALFWAY
Meridian Oil
Yates Pet., etal
Mitchell Ener.
Anadarko
Amoco
Union
Chevron
U.S.
State
4

VI

WELL DATA SHEET



Date Spudded: July 4, 1960
Plugged: July 12, 1960
8-5/8" csg @ 250' w/150 sxs
TD 3345
Plug #1 32 sxs 3345'-3245'
Plug #2 32 sxs 2850'-2750'
Plug #3 32 sxs 1460'-1360'
Plug #4 50 sxs 263'-213'
Plug #5 50 sxs 50'-surface

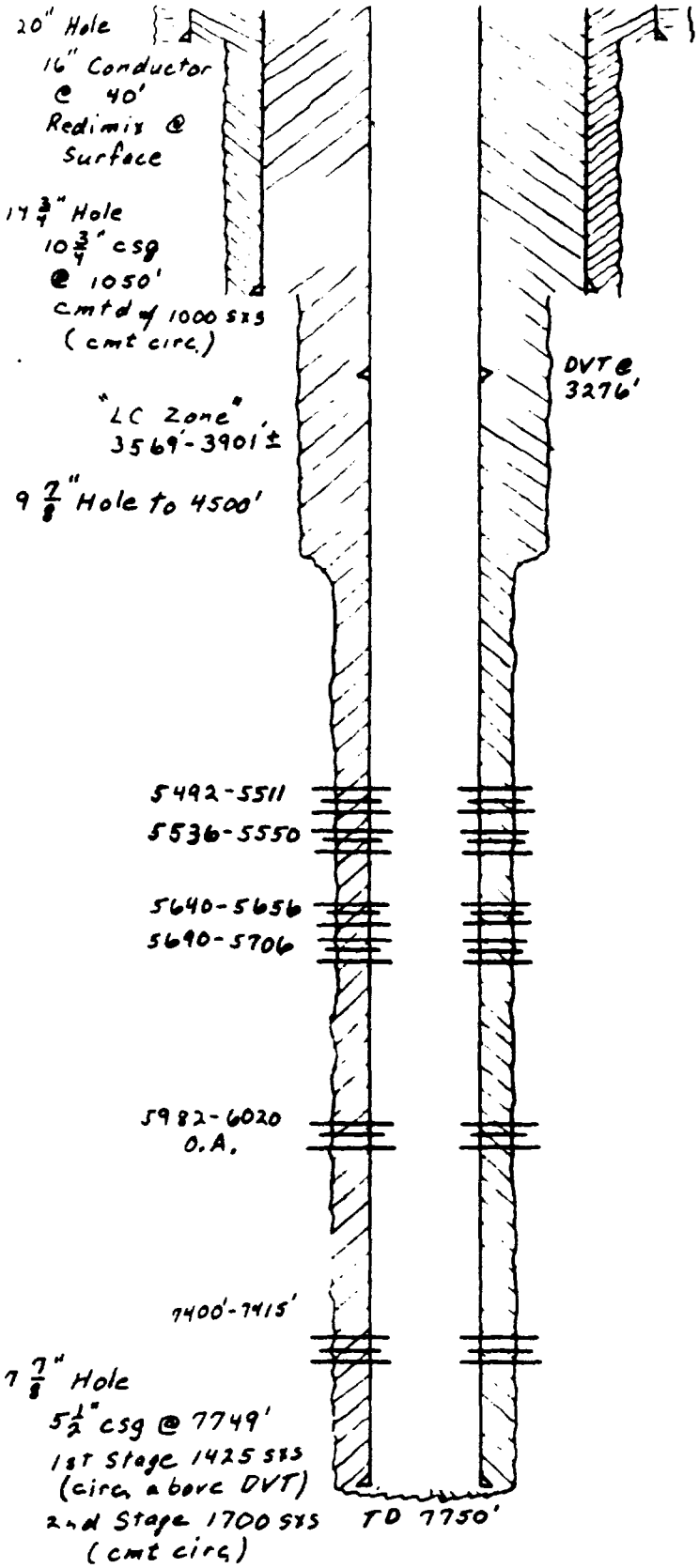
NOTE: This well appears to of penetrated the top of the capitan reef.

(Applied for disposal zone is 3500'-4300')

Federal "18" No. 5
1980' FSL & 2039' FWL
Sec. 18, T19S, R33E

VI

WELL DATA SHEET



Date Spudded: June 5, 1991
Completed: August 5, 1991
20" Hole
16" csg set @ 40' & redimixed to surface
14-3/4" Hole
10-3/4" csg set @ 1050'
Cmtd w/1000 sxs (cmt circ)
9-7/8" Hole to 4500'
LC @ 3569 to 3901±
Regain circ w/400 sxs cmt
Hole 7-7/8" (reduce bit size @ 4500')
TD 7750'
5-1/2" csg @ 7749
FC @ 7702
DVT @ 3276
1st stage w/1425 sxs (cmt to DVT)
Open DVT & circ out 75 sxs
2nd stage w/1700 sxs
circ out 227 sxs

DELAWARE PERFORATIONS

perfs 7400-15 2 SPF
perfs 5982, 86, 89, 92, 96, 98, 6003, 08, 10
13, 16, 20 2 SPF
perfs 5640-56 & 5690-5706
perfs 5492-5511 & 5536-50 2 SPF

EXXON Federal No. 1
1980' FNL & 560' FWL
Sec. 19, T19S, R33E

VII. 1) Avg inj rate 500 BWPD, Max inj rate 1000 BWPD
2) Type system - Closed system
3) 200 avg inj pres max inj pres 700 psi
4&5) a) Water Analysis of EXXON Federal No. 1 - see attached analysis by Unichem #4a
b) Compatability of two waters - see attached analysis by Unichem #4b
c) Water Analysis of Capitan Reef Water from Anadarko's Teas Yates Unit Water Supply Well No. 1 in Section 14-20S-33E - see attached analysis by Unichem #4c

VIII. a) Lithology - Limestone
b) Geological Name - Capitan Reef
c) Top/Reef-3255''
d) Base/Reef-4977'
e) Drinking Water
1) Name of drinking water zone - Triassic
2) Depth to bottom of drinking water zone - 850 feet
3) Drinking Water under disposal zone - None

IX. Proposed stimulation to disposal zone - 2000 gallons 15% HCl

X. Logs & Tests - None, well was never drilled to TD

XI. 1) Water analysis from drinking water well within 1 mile
a) Location of drinking water well - Sec. 18, T19S, R33E
b) Analysis - see attached sheet from State Engineer's Office
c) Date sample taken - 2-15-83

XII. See Exhibit XII

XIII. The following list includes the names of all parties notified of Anadarko's intention to install and operate a water disposal well (namely the EXXON Federal SWD No. 1). See attached list.

UNICHEM
INTERNATIONAL

Home Office 707 N. Leech, P.O. Box 1499 / Hobbs, NM 88240 / Ph. 505/393-7751, Fax 505/393/6754

October 10, 1991

Jerry Buckles
Anadarko Petroleum Corp.
P. O. Drawer 130
Artesia, NM 88210

Dear Mr. Buckles:

Enclosed please find our water analyses and compatibility reports from the **Teas Yates WSW #1** and **Exxon Federal #1.**

If you have any questions or require further information, please contact us.

Sincerely,

Sharon Wright
Laboratory Technician

SW/sr

cc: Bill Polk
Joe Hay
John Offutt
Charlie Copeland
Jeff White

Unichem International

707 North Leech P.O.Box 1499

Hobbs, New Mexico 88240

Company : ANADARKO
Date : 10-10-1991
Location: Exxon Federal #1 - Wellhead (on 8/12/91)

	Sample 1
Specific Gravity:	1.157
Total Dissolved Solids:	219389
pH:	6.30
Resistivity:	0.047 ohms @ 76°F
IONIC STRENGTH:	4.952

CATIONS:		me/liter	mg/liter
Calcium	(Ca^{+2})	1150	23000
Magnesium	(Mg^{+2})	832	10100
Sodium	(Na^{+1})	1980	45600
Iron (total)	(Fe^{+2})	0.752	21.0
Barium	(Ba^{+2})	0.051	3.50
Manganese	(Mn^{+2})	0.190	5.23
ANIONS:			
Bicarbonate	(HCO_3^{-1})	4.20	256
Carbonate	(CO_3^{-2})	0	0
Hydroxide	(OH^{-1})	0	0
Sulfate	(SO_4^{-2})	9.89	475
Chloride	(Cl^{-1})	3950	140000

SCALING INDEX (positive value indicates scale)

Temperature		Calcium Carbonate	Calcium Sulfate
104°F	40°C	2.5	1.00
122°F	50°C	2.7	1.00
140°F	60°C	3.1	1.00
168°F	76°C	3.6	1.0
176°F	80°C	3.8	1.0

Unichem International

707 North Leech P.O.Box 1499

Hobbs, New Mexico 88240

Company : ANADARKO
Date : 10-10-1991
Location: TEAS YATES & EXXON FEDERAL - COMPATIBILITY (on 10-10-1991)

	Sample 1
Specific Gravity:	1.149
Total Dissolved Solids:	208003
pH:	6.35
IONIC STRENGTH:	4.649

CATIONS:		me/liter	mg/liter
Calcium	(Ca^{+2})	1040	20800
Magnesium	(Mg^{+2})	755	9170
Sodium	(Na^{+1})	1950	44800
Iron (total)	(Fe^{+2})	0.677	18.9
Barium	(Ba^{+2})	0.049	3.36
Manganese	(Mn^{+2})	0.172	4.72
ANIONS:			
Bicarbonate	(HCO_3^{-1})	4.54	277
Carbonate	(CO_3^{-2})	0	0
Hydroxide	(OH^{-1})	0	0
Sulfate	(SO_4^{-2})	18.6	893
Chloride	(Cl^{-1})	3720	132000
DISSOLVED GASES			
Carbon Dioxide	(CO_2)		1.00
Hydrogen Sulfide	(H_2S)		11.9
Oxygen	(O_2)		0

SCALING INDEX (positive value indicates scale)

Temperature		Calcium Carbonate	Calcium Sulfate
86°F	30°C	1.6	8.6
122°F	50°C	2.5	8.3
140°F	60°C	2.9	8.3
168°F	76°C	3.4	8.0
176°F	80°C	3.6	8.0
200°F	93°C	4.1	8.0

Comments:
COMPATIBILITY = TEAS YATES = 10% & EXXON FEDERAL FEDERAL = 90%

10

The attached exhibit 4c is capitan reef water, sampled from Anadarko's Teas Yates Unit's Water Supply Well No. 1, located approximately 9 miles southwest of the EXXON Federal SWD No. 3. The WSW No. 1's legal is 1330' FNL & 1330' FWL of Section 14, T20S, R33E, Lea County. The producing capitan reef perforations are:

3660-3663
3674-3681
3696-3700
3708-3711
3724-3727
3746-3749
3758-3762

Anadarko produces approximately 3000 BWPD from the Teas Yates Unit WSW No. 1.

Unichem International

707 North Leech P.O.Box 1499

Hobbs, New Mexico 88240

Company : ANADARKO
Date : 10-10-1991
Location: TEAS YATES WSW #1 (on 10-10-1991)

	Sample 1
Specific Gravity:	1.075
Total Dissolved Solids:	105532
pH:	6.75
IONIC STRENGTH:	1.919

CATIONS:		me/liter	mg/liter
Calcium	(Ca^{+2})	80.0	1600
Magnesium	(Mg^{+2})	60.0	729
Sodium	(Na^{+1})	1660	38100
Iron (total)	(Fe^{+2})	0.002	0.060
Barium	(Ba^{+2})	0.031	2.10
Manganese	(Mn^{+2})	0.003	0.090
ANIONS:			
Bicarbonate	(HCO_3^{-1})	7.60	464
Carbonate	(CO_3^{-2})	0	0
Hydroxide	(OH^{-1})	0	0
Sulfate	(SO_4^{-2})	96.8	4650
Chloride	(Cl^{-1})	1690	60000
DISSOLVED GASES			
Carbon Dioxide	(CO_2)		10.0
Hydrogen Sulfide	(H_2S)		119

SCALING INDEX (positive value indicates scale)

Temperature		Calcium Carbonate	Calcium Sulfate
86°F	30°C	-0.06	-17
122°F	50°C	0.87	-17
140°F	60°C	1.2	-17
168°F	76°C	1.8	-12
176°F	80°C	1.9	-12
200°F	93°C	2.4	-12

STATE OF NEW MEXICO

STATE ENGINEER OFFICE

ELUID MARTINEZ
STATE ENGINEER

ROSWELL

DISTRICT II
1900 West Second St.
Roswell, New Mexico 88201
(505) 622-6521

October 2, 1991

George Buehler
Amadarko Petro Corporation
P. O. Box 2497
Midland, Texas 79702

Dear Mr. Buehler:

Please find enclosed the information you requested from our office concerning wells in the area of 19S.32E.

If our office can be of any further assistance to you, please do not hesitate to contact us.

Sincerely,

Kenneth Fresquez
Field Supervisor

KF/lc
enc.

13

Record #	Basin	File #				Ownership	Depth	Water Bearing Fm.	Date collected	Collector	Use	Loc.	L.S. Elev.	Pt. of Coll.	Chlorides	Sp. Conduct.	Temp		Card date		DPN	
7468	CP						0	PRC	76/11/01	SED	STK	19S.29E.25.44332	3320.00	DP	94	2560	68				15-08004	0
7469	CP						0	PRC	81/10/01	SED	STK	19S.29E.25.44332	3320.00	TANK	100	2571	0		282		15-08004	0
7470	CP						0	PRC	85/03/14	SED	STK	19S.29E.25.44332	3320.00	DP	134	2525	65		0385		15-08004	0
3098						SNYDER RANCH	0	PRC	89/05/09	SED	STK	19S.29E.25.44332	3320.00	DP	166	3020	70		0589		15-08004	0
7471	CP	00379					0	PRC	67/03/27	SED	MOG	19S.30E.10.31312	0.00	DP	124000	154010	0		482			0
7472	CP	00357	X				0	PRC	68/04/00	BLR	SRO	19S.30E.24.134133	0.00	BLR300	23270	57539	0		482			0
7473	CP	00357	X				0	PRC	68/04/00	BLR	SRO	19S.30E.24.134133	0.00	BLR240	22560	53166	0		482			0
7474	CP	00357	X				0	PRC	68/04/00	BLR	SRO	19S.30E.24.134133	0.00	BLR340	24000	59277	0		482			0
7475	CP						0	GAL	85/03/14	SED	STK	19S.30E.25.12133	0.00	TS25	161	675	65		0385			0
3097							148	PRC	89/05/15	SED	STK	19S.30E.28.31333	3276.00	TS146	615	4936	0		0589			0
7476	CP	00642		TH	00002		0	TRS	82/02/10	CEC	EXP	19S.31E.25.222213	0.00	BLR230	34	0	0	X	0182	P		0
7477	CP						210	TRS	85/03/14	SED	DWG	19S.31E.27.214121	3460.00	DP	38	636	63		0385			0
7478	CP						177	TRC	81/10/14	SED	SRO	19S.31E.27.214122	3477.00	DP	28	734	0		0681		15-08015	0
7479	CP						230	TRS	56/05/01	SED	DOM	19S.31E.28.33124	3484.00		55	1190	0	X	0784	U	15-08006	0
7480	CP						290	TRS	81/09/29	SED	STK	19S.31E.28.33433	3443.00	DP	101	3077	67		282			0
7481	CP						190	TRC	27/01/25	USG	DOM	19S.31E.28.334332	3442.00	DP	43	1120	0	X	0583	U	15-12183	0
7482	CP						137	TRS	56/05/01	USG	STK	19S.31E.26.334334	3442.00		66	2530	65	X	0784	U		0
7483	CP						137	TRS	60/07/24	SED	STK	19S.31E.28.334334	3443.00	YT	25	2447	0		0680			0
7484	CP						137	TRS	85/03/14	SED	STK	19S.31E.28.334334	3443.00	TS110	143	3021	65		0485			0
7485	CP						0	PYA	85/07/26	CEC	OIL	19S.31E.32.221411	0.00	OTH	13400	38476	0		0185			0
7486	CP						250	TRS	59/11/25	GNR	PPP	19S.31E.33.142222	3457.00	DP	204	2222	0	X	120	P		0
7487	CP						185	TRS	59/11/18	GNR	PPP	19S.31E.33.142224	3458.00	DP	251	2640	0	X	120	P		0
7488	CP						185	TRS	59/11/20	GNR	PPP	19S.31E.33.142224	3458.00	DP	244	2640	0	X	120	P		0
7489	CP						185	TRS	81/09/29	SED	PPP	19S.31E.33.142224	3458.00	DP	274	2777	70		282			0
7490	CP	00641		TH	00004		0	TRS	82/02/13	CEC	EXP	19S.31E.36.14114	0.00	BLR260	51	0	0	X	0186	P		0
7491	CP						800	TRS	58/12/09		STK	19S.32E.08.22411	3644.00		21	652	0	X			25-12231	0
7492	CP						800	TRS	65/11/18	SED	STK	19S.32E.08.22411	3644.00	DP	25	700	0	*			25-12231	0
7493	CP						800	TRS	81/09/24	SED	STK	19S.32E.08.22411	3644.00	DP	24	709	73		282		25-12231	0
7494	CP						800	TRS	85/03/13	SED	STK	19S.32E.08.22411	3644.00	DP	16	655	62		0385		25-12231	0
7495	CP	00640		TH	00001		0	TRS	82/02/10	CEC	EXP	19S.32E.19.224431	0.00	BLR250	45	0	0	X	0185	P		0
7496	CP	00639		TH	00002		0	TRS	82/02/12	CEC	EXP	19S.32E.20.134423	0.00	BLR350	75	0	0	X	0186	P		0
7497	CP	00071					850	TRS	63/02/15	CEC	OND	19S.33E.18.133223	3635.00	DP	312	0	0	X	1084	P	25-12232	0
7498	CP						100	QAL	76/08/11	CEC	DOM	19S.33E.26.42221	3606.00	DP	265	0	0	X	0279		25-12194	0
7499	CP						100	QAL	78/01/16	CEC	STK	19S.33E.26.42221	3606.00	DP	326	0	0	X	1084	P	25-12194	0
7500	CP						101	QAL	65/11/17	SED	STK	19S.33E.26.422221	3608.00	YT	298	2560	57	*			25-12195	0
7501	CP						101	QAL	72/09/25	USG	DOM	19S.33E.26.422221	3608.00	DP	280	2490	0	X	0279	U	25-12195	0
7502	CP						101	QAL	76/08/20	SED	STK	19S.33E.26.422221	3608.00	DP	289	2807	66				25-12195	0
7503	CP						101	QAL	76/10/08	SED	STK	19S.33E.26.422221	3608.00	YT	306	2610	66				25-12195	0
7504	L						0	TOG	79/10/23	SED	STK	19S.34E.03.41213	3968.00	DP	20	504	67				25-12201	0
7505	L						0	TOG	84/07/18	SED	STK	19S.34E.03.41213	3968.00	DP	26	499	0		1084		25-12201	0
7506	CP						33	QAL	58/12/09	SED	STK	19S.34E.09.24231	3990.00	DP	560	4660	0	X		U	25-12202	0
7507	CP						33	QAL	79/10/16	SED	STK	19S.34E.09.24231	3980.00	DP	238	2314	65		0683		25-12202	0

14

XII

I, George R.S. Buehler, affirm Anadarko's geological and engineering departments have reviewed the available geological 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.

Affirmed this day October 14 1991

By George R.S. Buehler
Staff Production Engineer

WELLSITE SURFACE OWNER AND OFFSET OPERATORS TO EXXON FEDERAL SWD NO. 1

Surface Owner

USA
Carlsbad Resource Area
P. O. Box 1778
Carlsbad, New Mexico 88220

Offset Operators

19S-33E

Sec. 18 SW/4 SW/4 (Lot 4)
Centenial
Box 1837
Roswell, New Mexico 88202

Sec. 18 Lot 3, E/2 SW/4, SE/4 and E/2 NE/4 Sec. 19
Francis H. Hudson
616 Texas Street
Fort Worth, Texas 76102

Delmar H. Lewis
616 Texas Street
Fort Worth, Texas 76102

Edward R. Hudson, Jr.
1000 First National Bldg.
Fort Worth, Texas 76102

Sec. 19 Lot 1 & 2 W/2 NE/4 & E/2 NW/4 and SE/4 SE/4 Sec. 13-19S-32E
Exxon Company, USA
P. O. Box 1600
Midland, Texas 7902-1600

Sec. 19 Lots 3 & 4, E/2 SW/4 & SE/4
Firo Corporation
P. O. Box 8148
Roswell, New Mexico 88202

Partco, Inc.
P. O. Drawer R
Artesia, New Mexico 88210

Edward R. Hudson
616 Texas Street
Fort Worth, Texas 76102

William A. Hudson
616 Texas Street
Fort Worth, Texas 76102

XIII
(Continued)

WELLSITE SURFACE OWNER AND OFFSET OPERATORS TO EXXON FEDERAL SWD NO. 1

Harvey E. Yates Co.
P. O. Box 1933
Roswell, New Mexico 88202

19S-32E

Sec. 24 NE/4
Anadarko Petroleum Corporation
P. O. Box 2497
Midland, Texas 79702

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, Kathi Bearden

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period

of

One weeks.
Beginning with the issue dated

Oct. 1, 1991
and ending with the issue dated

Oct. 1, 1991

Kathi Bearden
General Manager
Sworn and subscribed to before

me this 8 day of

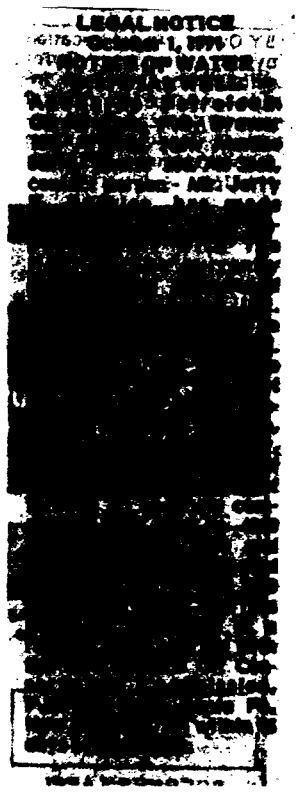
Oct, 1991

Paula Parrish
Notary Public.

My Commission expires

Aug. 5, 1995
(Seal)

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.



ILLEGIBLE

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. (Extra charge) 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to:
USA
Carlsbad Resource Area
P O Box 1778
Carlsbad New Mexico 88220

4. Article Number
P-567 722 899

Type of Service:
☒ Registered ☐ Insured
☐ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Address
X

6. Signature — Agent
X Betty Hill

7. Date of Delivery

8. Addressee's Address (ONLY if requested and fee paid)

CARLSBAD NM OCT 15 1991 USPO

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

P-567 722 899
RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
See Reverse

Sent to USA
Carlsbad Resource Area
Street and No.
P O Box 1778
P.O. State and ZIP Code
Carlsbad New Mexico 88220

Postage	.98
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	1.00
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	2.98
Postmark or Date	

PS Form 3800, June 1985 U.S.G.P.O. 1985-506

Fold at line over top of envelope to the right

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. (Extra charge) 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to:
Centenial
Box 1837
Roswell New Mexico 88202

4. Article Number
P-567 722 900

Type of Service:
☒ Registered ☐ Insured
☐ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee and DATE DELIVERED.

5. Signature — Address
X

6. Signature — Agent
X

7. Date of Delivery

8. Addressee's Address (ONLY if requested and fee paid)

ROSWELL NM APR 88201

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

P-567 722 900
RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
See Reverse

Sent to Centenial
Street and No.
Box 1837
P.O. State and ZIP Code
Roswell New Mexico 88202

Postage	.98
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	1.00
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	2.98
Postmark or Date	

PS Form 3800, June 1985 U.S.G.P.O. 1985-506

ILLEGIBLE

19

● SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. (Extra charge)
2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to:
Francis H Hudson
616 Texas Street
Fort Worth Texas 76102

4. Article Number
P-567 722 901

Type of Service:
☒ Registered ☐ Insured
☐ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature – Address
X

6. Signature – Agent
X Clark

7. Date of Delivery
OCT 17 1901

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

P-567 722 901

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
See Reverse

Sent to	Francis H Hudson
Street and No.	616 Texas Street
P.O. State and ZIP Code	Fort Worth Texas 76102
Postage	.98
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	1.00
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 2.98
Postmark or Date	

PS Form 3800, June 1985 U.S.G.P.O. 1986-153-606

● SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. (Extra charge)
2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to:
Delmar H Lewis
616 Texas Street
Fort Worth Texas 76102

4. Article Number
P-567 722 902

Type of Service:
☒ Registered ☐ Insured
☐ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature – Address
X

6. Signature – Agent
X

7. Date of Delivery
Clark OCT 17 1901

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

P-567 722 902

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
See Reverse

Sent to	Delmar H Lewis
Street and No.	616 Texas Street
P.O. State and ZIP Code	Fort Worth Texas 76102
Postage	.98
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	1.00
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 2.98
Postmark or Date	22

PS Form 3800, June 1985 U.S.G.P.O. 1986-153-606

ILLEGIBLE

Fold at line over top of envelope to the right of the return address

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. (Extra charge) 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to:

Edward R. Hudson Jr
616 Texas Street
Fort Worth, Texas 76102

4. Article Number
P 143 463 010

Type of Service:
☐ Registered ☐ Insured
☐ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Address
X

6. Signature — Agent
X

7. Date of Delivery
OCT 23 1991

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

P 143 463 010

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
See Reverse

Edward R. Hudson Jr
616 Texas Street
Fort Worth, Texas 76102

Postage	.98
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	1.00
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	2.98
Postmark or Date	OCT 23 1991 FT. WORTH, TX DOWNTOWN STA.

PS Form 3800, June 1988

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. (Extra charge) 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to:

Exxon Company USA
P O Box 1600
Midland Texas 79702-1600

4. Article Number
P-567 722 904

Type of Service:
☒ Registered ☐ Insured
☐ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Address
X

6. Signature — Agent
X

7. Date of Delivery
OCT 14 1991

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

P-567 722 904

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
See Reverse

Sent to
Exxon Company USA
Street and No.
P O Box 1600
P.O. State and ZIP Code
Midland Texas 79702

Postage	.98
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	1.00
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	2.98
Postmark or Date	OCT 14 1991 MIDLAND, TX

PS Form 3800, June 1985 U.S.G.P.O. 153-606

ILLEGIBLE

21

SENDER: Complete items ... 3 and 4.
Put your address in the ... on the reverse side. ... card from being returned to you. ... to and the date of delivery ... for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. (Extra charge)
2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to:	4. Article Number
Firo Corporation P O Box 8148 Roswell New Mexico 88202	P-567 722 905 Type of Service: ☒ Registered ☐ Insured ☐ Certified ☐ COD ☐ Express Mail ☐ Return Receipt for Merchandise Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature – Address X *Teresa McDonell*	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature – Agent X *Wilma*	
7. Date of Delivery 10/1?	

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

P-567 722 905
RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to Firo Corporation	
Street and No. P O Box 8148	
P.O., State and ZIP Code Roswell New Mexico 88202	
Postage	.98
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	1.00
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 2.98
Postmark or Date	

MIDLAND, TX DOWNTOWN STA. USPO OCT 1991

PS Form 3800, June 1985 U.S.G.P.O. 153-506

Fold at line over top of envelope ... of the return ad...

P-567 722 906
RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to Partco Inc	
Street and No. P O Drawer R	
P.O., State and ZIP Code Artesia New Mexico 88210	
Postage	$ .98
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	1.00
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	$ 2.98
Postmark or Date	

MIDLAND, TX DOWNTOWN STA. USPO OCT 1 1991

PS Form 3800, June 1985 U.S.G.P.O. 153-506

The copy of the permit sent to Partco, Inc. was returned by the postal service marked (ATTEMPTED NOT KNOWN). Anadarko attempted to locate Partco, Inc. through both the Artesia City Hall and the Artesia Chamber of Commerce. Anadarko believes Partco, Inc. no longer exists.

ILLEGIBLE

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge) (Extra charge)

3. Article Addressed to:
William A. Hudson
616 Texas Street
Fort Worth, Texas 76102

4. Article Number
P 143 463 011

Type of Service:
☒ Registered ☐ Insured
☐ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Address
X

6. Signature — Agent
X [signature]

7. Date of Delivery
OCT 23 1991

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

P 143 463 011

RECEIPT FOR CERTIFIED MAIL

See Reverse

William A. Hudson
616 Texas Street
Fort Worth, Texas 7610

.98
1.00
1.00
2.98

PS Form 3800, June 1985

DOWNTOWN STA. MIDLAND, TX OCT 21 1991 USPO

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.
1. ☐ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge) (Extra charge)

3. Article Addressed to:
Harvey E Yates
P O Box 1933
Roswell New Mexico 88202

4. Article Number
P-576 722 914

Type of Service:
☒ Registered ☐ Insured
☐ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Address
X

6. Signature — Agent
X [signature]

7. Date of Delivery
10-15-91

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

P-567 722 914
PT FOR CERTIFIED MAIL
See Reverse

U.S.G.P.O. 153-506

Sent to Harvey E Yates	
Street and No P O Box 1933	
P.O. State and ZIP Code Roswell New Mexico 88202	
Postage	.98
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	1.00
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	2.98
Postmark or Date	

23

PS Form 3800, June 1985

Fold at line over top of envelope to the right of the return address.

ILLEGIBLE