BW - 18

MONITORING REPORTS

DATE:

1987

TRUCKERS #2 BRINE STATION

Discharge Plan
Permit Submittal #3

December 15, 1987

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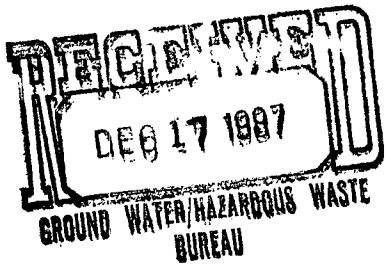
TRUCKERS #2 BRINE STATION

DISCHARGE PLAN PERMIT SUBMITTAL #3

Presented to:

STATE OF NEW MEXICO

Environmental Improvement Division



UNICHEM INTERNATIONAL INC.
P.O. BOX 1499
HOBBS, NEW MEXICO 88240

Prepared by:

Wayne Price, Staff Engineer

UNICHEM
INTERNATIONAL

Home Office 707 N. Leech, P.O. Box 1499 / Hobbs, NM 88240 / Ph. 505/393-7751, TWX 910/986-0010

December 15, 1987

VIA CERTIFIED MAIL: P 713 502 722

John Parker, Water Resource Specialist
Ground Water Section
State of New Mexico
Environmental Improvement Division
P.O. Box 968, Runnels Building
Santa Fe, NM 87504-0968

SUBJECT: Truckers #2 Brine Station - Hobbs, New Mexico
Discharge Plan Submittal #3

Dear Mr. Parker:

The information contained herein is provided in response to the comments and information requests outlined in your letter of 2 November 1987.

Comment No. 1:

The Discharge Plan Signatory Requirement (Exhibit 11) lacks the certification: "I certify under penalty of law..." which should precede signature (5-101.H.2.).

Response:

Please refer to Exhibit #1, which represents the amended Discharge Plan Signatory Requirement in compliance with 5-101.H.2.

Comment No. 3:

In order to determine the existence of possible conduits for fluid movement, an integral aspect of the Part V MIT requirements, Unichem International must commit to performing a cement bond log at some point during the five-year renewal period (5-204.B.2. and 5-205.A.4.b.).

Response:

This requirement has been noted and compliance agreed to. A cement bond log will be performed at some point during the five-year renewal period for Truckers #2.

Comment No. 4:

Unichem International needs to make a commitment to notify this office "prior to commencement of drilling, cementing and casing, well logging, mechanical integrity tests and any other well workover..." (5-205.A.5.).

Response:

Unichem International will notify the EID's office prior to any drilling, cementing and casing, well logging, mechanical integrity tests and any other well workover as required in Section 5-205.A.5. Per my telephone conversation with you, emergency work will be reported to the EID's office by telephone at the earliest possible time.

Comment No. 5:

Please provide a comparison of fracture pressure for salt at injection interval (approximately 2,100 feet) with the down-hole pressure resulting from the maximum operating pressure (300 psi for Truckers #1, 450 psi for Truckers #2) (5-206.A.1.).

Response:

Please refer to Exhibit #2. Steve Reed, Hydrologist with Reed & Associates, Inc., has prepared the response for this comment.

Comment No. 6:

Please provide a letter of authorization for Wayne Price so as to comply with report signatory requirements (5-208.C.1.).

Response:

Wayne Price is the Staff Engineer working for Unichem International and has been duly authorized to gather and prepare any and all information necessary to provide compliance with Part V of the EID's Water Quality Control Commission (WQCC) Regulations for Truckers #2 Brine Station. He has full responsibility for coordinating all efforts for the purposes specified herein.

Richard Brakey, Vice President
Unichem International Inc.

Comment No. 7:

Unichem International needs to submit a plugging and abandonment plan for our review. This plan should also include decommissioning of surface facilities.

Copies of the blanket plugging/surety bonds submitted for Truckers #1 and #2 (Exhibits 6 and 3 respectively) have been forwarded to our Legal Bureau for review. Please submit documentation that demonstrates the $50,000 sum of each bond is adequate to properly plug and abandon the brine wells (5-209.A.).

Response:

The following information represents a detailed breakdown on the cost that would be incurred by Unichem International if the brine well required plugging and removal of all associated equipment. Also included is an estimate for the provision of soil removal (if required); however, the cost involved in the event of ground water contamination has not been included.

DETAILED ESTIMATE

Oilfield service unit (pulling unit): --pull tubing; re-enter hole and set bridge plug; cement pump truck (stand-by time required - 1/2 day)	$ 750.00*
Oilfield service unit (pulling unit): --re-pull tubing; re-enter hole and set bridge plug near surface (if required); cement pump truck (stand-by time required - 1/2 day)	$ 750.00*
Oilfield service unit (pulling unit): --pull remaining tubing; dismantle well head; set P&A marker (1/2 day time required)	$ 750.00*

*The above prices were quoted by X-Pert Well Service Company located in Hobbs, New Mexico.

Two 7-5/8" bridge plugs at $1,500	$ 3,000.00*

*Price quoted by Packer Sales & Rental located in Hobbs, New Mexico.

Set two 200' cement plugs above bridge plugs using Class C neat cement (includes cement cost, time and labor for pump truck and driver	$ 1,958.00*

*Price quoted by Dowell-Schlumberger located in Hobbs, New Mexico.

Consulting engineer at $100/hour (8 hours)	$ 800.00
400' underground piping	$ 500.00
100' miscellaneous above-ground pipe	$ 100.00

DETAILED ESTIMATE (Continuation...)

Miscellaneous electrical conduit and wire	$ 350.00
Three-phase power service (power company)	N/C
1-30' X 100' concrete unloading pad	$ 1,500.00
1-10' X 20' X 10' sump	$ 1,600.00
1-10,000 bbl storage pit and liner	$ 500.00
Fill and compact:	
--2,000 yards fill dirt @ $3/yard	$ 6,000.00
--166 loads @ $38/load	$ 6,000.00
1-pump and house	$ 250.00
Remove 5% top soil:	
--300' X 300' X .05 = 4,500 ft3 or 166 yards @ $10/yard	$ 1,666.00
--dump truck and loader (2 days @ $80/hour)	$ 1,280.00
TOTAL ESTIMATED COST:	**$ 27,754.00****

**Unless specified as a quote, all figures listed are in accordance with the 1987 National Construction Estimates.

Please note that the average P&A cost experienced by Arco Oil & Gas in Hobbs, New Mexico, has been approximately $5,000 for shallow wells (0'-3,000'); the approximate cost experienced by Chevron USA Inc., also located in Hobbs, has been in the range of $10,000-$20,000. Therefore, the figures provided for the detailed breakdown reflect a worst case condition scenario.

Comment No. 8:

Maps submitted for Truckers #1 and #2 depicting area of review lack reference scale. Please submit maps including scales and with the 1/4 mile area of review drawn in (5-210.B.2.).

Response:

Please refer to Exhibit #3 for the map including the scale and 1/4-mile area of review. For reference purposes, the map and scale are directly proportional in size.

Comment No. 9:

Please provide maps showing vertical and horizontal limits of all ground water having less than 10,000 mg/l TDS (5-210.B.5.). Also, we need water quality information for water-bearing formations penetrated by brine well (3-106.C.3.).

Response:

Please refer to Exhibit #2. Steve Reed, Hydrologist with Reed & Associates, Inc., has prepared the response for this comment.

Comment No. 10:

Please provide generalized and specific maps and cross-sections depicting both the regional and site-specific geology (5-210.B.6. and 7.).

Response: Please refer to Exhibit #2. Steve Reed, Hydrologist with Reed & Associates, Inc., has prepared the response for this comment.

Comment No. 11:

Please provide a detailed contingency plan which at a minimum addresses: surface spills of brine and loss of mechanical integrity in the injection well (5.210.B.15.).

Response:

Unichem International's in-house contingency plan to address surface spills of brine and loss of mechanical integrity in the injection well includes the following:

Surface Spills: Surface spills will be immediately removed from the area and the cause of the spill remedied. The brine station is designed to minimize any such spills and the issue has already been addressed by the design factor.

To enhance protection of the area involved, the station is monitored on a daily basis. In the event of a surface spill, the station will be shut down to prevent any further spills and/or leaks leading to movement of fluids into the ground water. Unichem will notify the EID and comply with all rules and regulations set forth by the WQCC for such an event.

As previously indicated, Unichem will perform clean-up of the affected area in a timely fashion per the EID's recommendations.

Mechanical Integrity: Unichem International maintains routine pressure and flow information in order to determine the potential

loss of mechanical integrity. Additionally, routine mechanical integrity tests are performed to determine loss.

In the event that loss of mechanical integrity occurs, the well operations will be shut down immediately and the EID notified accordingly. The primary concern in the event of mechanical integrity loss will be the removal of pressure at the well head to prevent the potential of migration of well fluids into the ground water. The well will then be evaluated and subsequent repair(s) performed as necessary.

Unichem International will comply with the rules and regulations applicable to the movement of fluid into the ground water and will also comply with recommendations from the EID with respect to clean-up procedures as deemed necessary.

Comment No. 12:

The chemical analysis of samples taken from the Truckers #2 sump (Exhibit 7) indicates an exceedance of the 3-103 standards for magnesium, chloride, and TDS. Please explain what has caused the violation of the standards and what plans you have to prevent further contamination.

Response: Please refer to Exhibit #2. Steve Reed, Hydrologist with Reed & Associates, Inc., has prepared the response for this comment.

If you have any questions regarding the responses provided herein or the accompanying material, please do not hesitate to contact me.

Sincerely,

UNICHEM INTERNATIONAL INC.

Wayne Price

Wayne Price
Staff Engineer

LWP:mms

Enclosure

EXHIBIT #1

AMENDED DISCHARGE PLAN SIGNATORY REQUIREMENT

In response to Item 5-101-H, Discharge Plan Signatory Requirement, Unichem International submits the following:

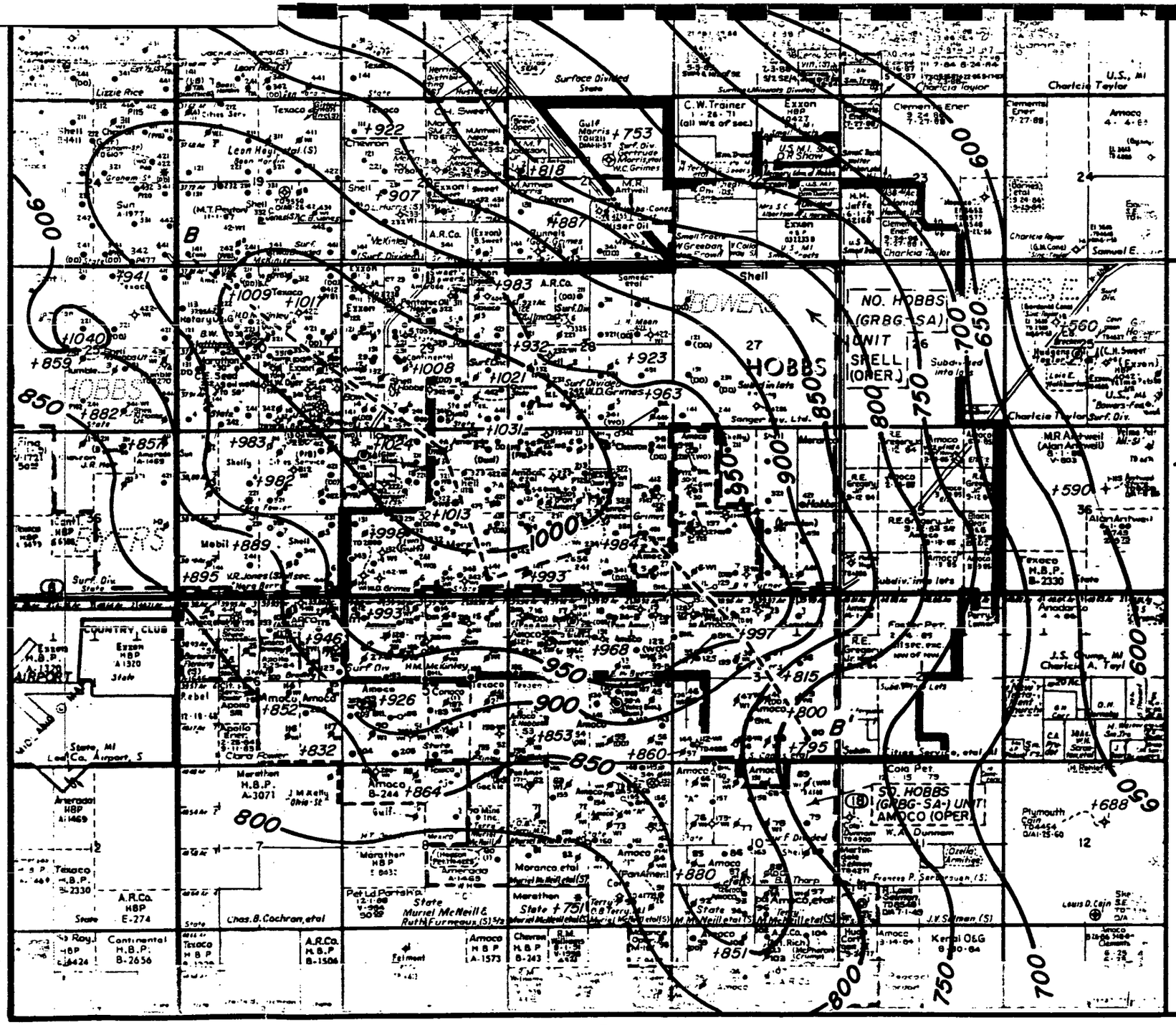
5-101 DISCHARGE PLAN AND OTHER REQUIREMENTS:

H. (1a) For a Corporation: By a principal executive officer of at least the level of vice president, or a representative who performs similar policy-making functions for the corporation who has the authority to sign for the corporation...

Richard Brakey functions as a Vice President of Unichem International and is authorized to sign for the company in reference to the Discharge Plan Signatory Requirement. Mr. Brakey's signature is contained herein:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Richard Brakey, Vice President
Unichem International Inc.



LEGEND

- ● +860 — ELEVATION TOP OF YATES
- B---B' — CROSS SECTION LINE
- 650 — STRUCTURE CONTOUR

EXHIBIT #2-1

LEA COUNTY, NEW MEXICO

UNICHEM INTERNATIONAL

STRUCTURE CONTOUR MAP
TOP OF YATES

DATE 12-3-87
REVISED
CHECKED A.T.S.
DRAWN BY Al Hndz.

REED & ASSOCIATES, INC.
HYDROLOGISTS & ENVIRONMENTAL CONSULTANTS
MIDLAND CORPUS CHRISTI AUSTIN

EXHIBIT #2-2

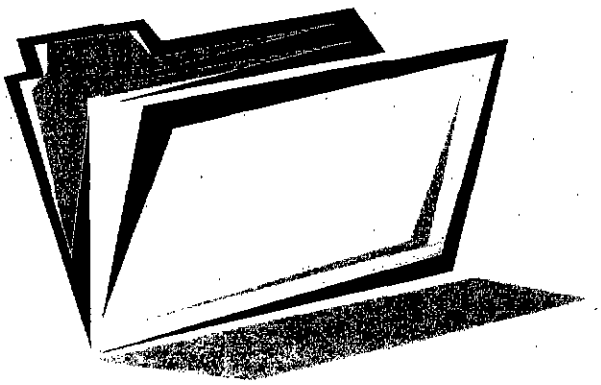
UNICHEM INTERNATIONAL
Cross Section Note

A 10,000 parts per million (ppm) line for total dissolved solids (TDS) is shown on the cross sections as being in the Dewey Lake formation. Above this line groundwater generally should have a TDS of less than 10,000 ppm. The Dewey Lake separates the Triassic Santa Rosa (Dockum group) from the Permian salt beds. According to Nicholson and Clebsch in "Geology and Ground-Water Conditions in Southern Lea County, New Mexico," Ground-Water Report 6, New Mexico Bureau of Mines and Mineral Resources, 1961, page 33, "The hydrologic significance of these red beds is not completely understood; however, it is doubtful that any wells in Lea County produce water from them. The lower limit of potable water may be somewhere within the stratigraphic interval. Further, the red beds probably retard the interchange of water between the evaporite-bearing rocks of the Permian and the sandstone aquifers of the overlying Dockum group."

Page 102 of the same report states, "Water samples from the oil-producing zones of the Paleozoic rocks of southern Lea County...are highly mineralized but range in salinity from less than 6,000 to nearly 300,000 ppm." Some instances of less than 10,000 ppm TDS are known to exist in oil producing zones in Lea County below the Dewey Lake redbeds. However, these occurrences should be considered as exceptions rather than the rule.

Analyses of waters from the Hobbs and Vacuum fields near Unichem operations are cited in Ground Water Report 6:

Township - Range	Pool Name	Source Formation	TDS
18-19S,37-38E	Hobbs	Grayburg-San Andres	21,566
17-18S,33-35E	Vacuum	Grayburg-San Andres	160,000



REPRODUCTION OF DOCUMENTS

IN THIS FILE CANNOT BE

IMPROVED DUE TO CONDITION

OF ORIGINALS

B

B'

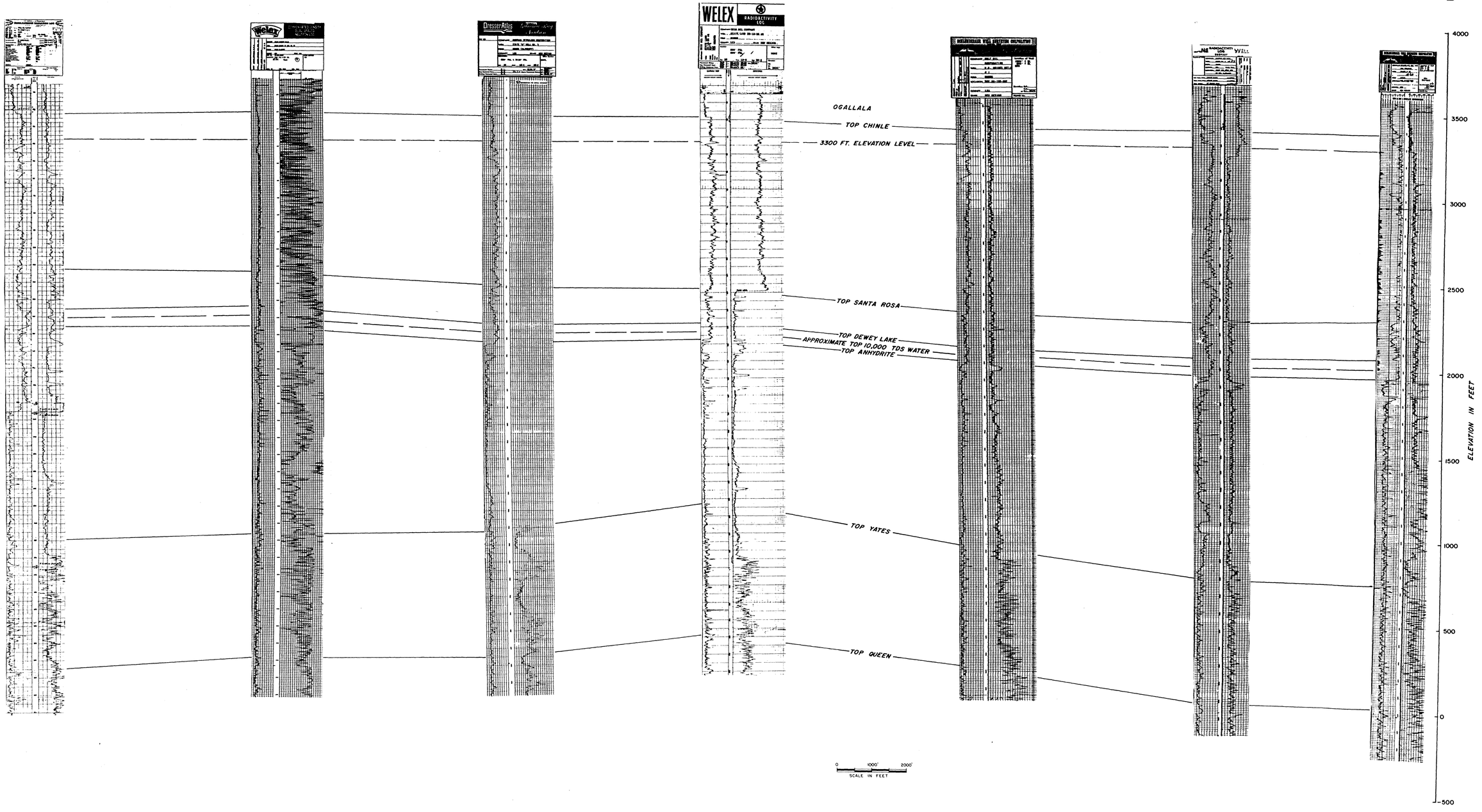


EXHIBIT — 2-3

LEA COUNTY, NEW MEXICO	DATE 12-8-87
UNICHEM INTERNATIONAL	REVISED
CROSS SECTION B — B'	CHECKED
	DRAWN BY AL Hernandez

RICE & ASSOCIATES, INC.
Petroleum & Environmental Consultants
MIDLAND CORPUS CHRISTI AUSTIN

EXHIBIT #2-3

TRUCKERS #2 BRINE STATION

CROSS SECTION B - B'

EXHIBIT #3
(TRUCKERS #2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HOBBS WEST QUADRANGLE
NEW MEXICO—LEA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

QUADRANGLE LOCATION

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

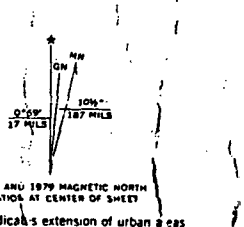
Planimetry by photogrammetric methods from aerial photographs taken 1967. Topography by planetable surveys 1969.

Polyconic projection. 1927 North American datum
10,000-foot grid based on New Mexico coordinate system, east zone
1000-meter Universal Transverse Mercator grid ticks, zone 13, shown in blue

Red tint indicates areas in which only landmark buildings are shown

Fine red dashed lines indicate selected fence lines

Revisions shown in purple compiled from aerial photographs taken 1977 and other source data. This information not field checked. Map edited 1979



UTM GRID AND 1979 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

Purple tint indicates extension of urban areas

To place on the predicted North American Datum 1983 move the projection lines 9 meters south and 44 meters east as shown by dashed corner ticks

ROAD CLASSIFICATION

Primary highway, all weather, hard surface	Light-duty road, all weather, improved surface
Secondary highway, all weather, hard surface	Unimproved road, fair or dry weather

U. S. Route State Route

HOBBS WEST, N. MEX.
N3237.5—W10307.5/7.5

1969
PHOTOREVISED 1979
DMA 5349 II NW—SERIES V881

NI 13-12

R. 37 E. R. 38 E. (HOBBS SW) 5349 II SW

SCALE 1:24 000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 0 1 KILOMETER

CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

NOTE: PLEASE NOTE THAT SCALE INDICATED ABOVE AND THE ACCOMPANYING MAP ARE DIRECTLY PROPORTIONAL IN SIZE. AS STATED AT THE TOP OF THIS SHEET, THE INFORMATION CONTAINED IN THIS EXHIBIT WAS OBTAINED FROM THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY.

EXHIBIT #3

EXHIBIT #3, CONTINUED (TRUCKERS #2 BRINE STATION)

DP-371

TRUCKERS #2 BRINE STATION

Discharge Plan
Permit Submittal #2

September 17, 1987

UNICHEM
INTERNATIONAL

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TRUCKERS #2 BRINE STATION

DISCHARGE PLAN PERMIT SUBMITTAL #2

Presented to:

STATE OF NEW MEXICO

Environmental Improvement Division

UNICHEM INTERNATIONAL INC.
P.O. BOX 1499
HOBBS, NEW MEXICO 88240

Prepared by:

Wayne Price, Staff Engineer

UNICHEM
INTERNATIONAL

Home Office 707 N. Leech, P.O. Box 1499 / Hobbs, NM 88240 / Ph. 505/393-7751, TWX 910/986-0010

September 17, 1987 **VIA CERTIFIED MAIL: P 241 450 293**

Mr. Kevin Lambert, Hydrologist
Ground Water & Hazardous Waste Bureau
State of New Mexico
Environmental Improvement Division
P.O. Box 968, Runnels Building
Santa Fe, NM 87504-0968

SUBJECT: Truckers #2 Brine Station - Hobbs, New Mexico
Discharge Plan Submittal #2

Dear Kevin:

From our telephone conversation of 25 August 1987, I gathered that the existing permit (DP-371) for Truckers #2 was accepted and approved by the Oil Conservation Division, meeting Part III of the Water Quality Control Commission requirements. Please accept the information contained herein as our completion of Part V requirements, submitted for renewal of the existing discharge permit.

During our discussion, you indicated that your primary concerns with a re-permit situation such as this include the following general items pertaining to Part V of the Water Quality Control Commission regulations:

--Plugging and Abandonment (Surety Bond);
--Mechanical Integrity;
--Monitoring and Reporting Requirements; and
--Discharge Plan Signatory Requirements

Each of these items will be addressed in detail in the accompanying report and supplemental exhibits. For general information purposes, the existing Truckers #2 Brine Station has concrete loading platforms and overflow sumps, a lined storage pond with monitor, and a complete electrically-operated key system to monitor all well activity.

Please note that Exhibit #1 of the accompanying report represents the original Discharge Plan dated September 20, 1982, which was submitted to Mr. Joe Ramey of the Energy and Minerals Department of the Oil Conservation Division. This submittal for Truckers #2 Brine Station, located at Broadway Place in Hobbs, New Mexico (Sec. 33- T18S-R38E) is provided for your information.

If you have any questions about the accompanying information, please do not hesitate to contact me.

Sincerely,

UNICHEM INTERNATIONAL INC.

Wayne Price

Wayne Price
Staff Engineer

LWP:mms

Enclosure

TABLE OF CONTENTS

PART V QUESTIONS AND ANSWERS

Truckers #2 Brine Station
Submittal #2 - September 17, 1987

The following information is submitted for review in response to Part 5, Water Quality Control--Underground Injection Control:

5-100 REGULATIONS FOR EFFLUENT DISPOSAL AND IN SITU EXTRACTION WELLS:

Noted for in situ extraction wells.

5-101 DISCHARGE PLAN AND OTHER REQUIREMENTS:

A. Noted for in situ extraction wells.

B. (1) Noted for in situ extraction wells.

(2) Noted for in situ extraction wells.

(3) Noted for in situ extraction wells.

C. (1) Not applicable.

(2) If deemed necessary by the Environmental Improvement Division, Unichem International will utilize state of the art techniques in compliance with recommendations from the EID in order to restore any ground water damage caused by its operation under this discharge plan.

D. Not applicable.

E. Noted for in situ extraction wells.

F. Not applicable.

G. Noted for in situ extraction wells.

H. The Discharge Plan Signatory Requirement is set forth in Exhibit #10.

I. Not applicable.

J. Noted for in situ extraction wells.

5-102 PRE-CONSTRUCTION REQUIREMENTS:

Not applicable for permit renewal. Please refer to Exhibit #1 for a copy of the existing permit and documentation that is on file.

PART V QUESTIONS AND ANSWERS
(Continuation)

Truckers #2 Brine Station

5-103 DESIGNATED AQUIFERS:

Not applicable.

5-104 WAIVER OF REQUIREMENT BY DIRECTOR:

Not applicable.

5-105 AUTHORITY:

Noted for in situ extraction wells.

5-200 TECHNICAL CRITERIA AND PERFORMANCE STANDARDS FOR EFFLUENT DISPOSAL WELLS AND IN SITU EXTRACTION WELLS:

Noted for in situ extraction wells.

5-201 PURPOSE:

Noted for in situ extraction wells.

5-202 AREA OF REVIEW:

The area of review for this brine station has been determined as a 1/4-mile radius area from the wellhead. More detailed information will be provided in response to Section 5-210.B.

5-203 CORRECTIVE ACTION:

A. At the present time there are 11 known wells penetrating the injection zone in the area of review. These wells have been reviewed and are listed in Sections 5-210.2 and 5-210.3. According to the public records located on file at the Oil Conservation Division in Hobbs, New Mexico, each of the 11 wells has been reviewed and requires no corrective action.

B. Noted for in situ extraction wells.

C. (1) Noted for in situ extraction wells.

(2) Noted for in situ extraction wells.

(3) Noted for in situ extraction wells.

(4) Noted for in situ extraction wells.

(5) Noted for in situ extraction wells.

(6) Noted for in situ extraction wells.

(7) Noted for in situ extraction wells.

D. Noted for in situ extraction wells.

5-204 MECHANICAL INTEGRITY:

For a response to items A through D, please refer to the most recent mechanical integrity test performed, as shown in Exhibit #2.

5-205 CONSTRUCTION REQUIREMENTS:

All of the requirements set forth in this section have been included in the original OCD submittal contained in Exhibit #1.

5-206 OPERATING REQUIREMENTS:

A. (1) A maximum pressure of 450 psig at the wellhead has been used without any adverse effect on the formation.

(2) This statement has been duly noted and compliance is herein agreed to.

B. Not applicable.

C. (1) This statement has been duly noted and compliance is herein agreed to.

(2) This statement has been duly noted and compliance is herein agreed to.

5-207 MONITORING REQUIREMENTS:

A. Requirement noted and complied with. Please refer to the mechanical integrity test in Exhibit #2.

B. Not applicable.

C. (1) This requirement is agreed to--please note that our injected fluid is fresh water obtained from the City of Hobbs.

(2a) Items i and ii: Fluid volumes (fresh and brine) are metered and recorded daily by an automated electronic key system.

(2b) Items i and ii: Not applicable.

(2c) Unichem is aware of this requirement and agrees to comply as deemed necessary by the EID.

(3) Not applicable.

5-208 REPORTING REQUIREMENTS:

A. Not applicable.

B. (1) Unichem International agrees to notify the New Mexico EID in the event of any leachate excursion and will provide subsequent reports necessary to explain any potential problem.

(2a) This statement has been duly noted and compliance is agreed to.

(2b) This statement has been duly noted and compliance is agreed to.

(3) Not applicable.

C. (1 & 2) Requirement noted and complied with. Please refer to Exhibit #10.

5-209 PLUGGING AND ABANDONMENT:

Unichem International will abide by all of the requirements set forth in Section 5-209 where applicable and will seek approval from the EID on this matter. Please refer to the Blanket Plugging Bond (Surety Bond) in Exhibit #3.

5-210 INFORMATION TO BE CONSIDERED BY THE DIRECTOR:

A. Noted for in situ extraction wells.

B. (1) The information required in Part III, Sections 3-106C (1-8) has been provided under the original discharge plan submitted to the OCD. This information is also contained in Exhibit #1.

(2) The applicable area of review is set forth in Exhibit #4. Please note that there are no known springs, mines, quarries, or surface bodies of water within the area of review. With respect to the general location of residential properties and roads, page three of the OCD discharge plan in Exhibit #1 includes a map of Hobbs and the area of review for reference purposes.

There are eight possible water wells within the area of review currently listed by the State Engineer's office.

PART V QUESTIONS AND ANSWERS
(Continuation)

Truckers #2 Brine Station

These wells are shown and marked with a highlighter in Exhibit #5. The eight wells listed are all domestic wells and within the city limits of Hobbs, New Mexico; therefore, due to city ordinance, the wells have probably been abandoned.

(3) Refer to Exhibit #6 for a complete tabulation of the data available on all wells within the area of review. These 11 wells are under jurisdiction of the New Mexico OCD and are subject to OCD testing requirements. The required annual testing procedure includes a Bradenhead test, while a mechanical integrity test is performed every three years--the test records are available upon request.

(4) Noted for in situ extraction wells.

(5) Important fresh water (sands) appears to go to a depth of 200', with the primary ground water being the ogalalla aquifer found as shallow as 60'in the area of review.

Any potential usage ground water between 200' and the injection zone of 2,000' has not been identified at this time. Ground water in this area generally flows down-gradient from NW to SE. A map and cross-section can be provided if deemed necessary.

(6) There are no known faults, nor are any suggested from the investigation. Again, a map and cross-section can be provided if deemed necessary. The geological structure can be interpreted from the various well logs on file and listed in Exhibit #6.

(7) Generalized maps and cross-sections illustrating the regional geologic setting can be provided to the New Mexico EID upon request.

(8a) The average injected fluid is 745 bbl/day over a six-year time span. The maximum injected fluid rate possible is 128 bbl/hour or 3,072 bbl/day, which represents the injection pump capability. Refer to Exhibit #9, which represents a summary of the injection volumes.

(8b) The average injection pressure varies from 275 psig to 400 psig, with the maximum injection pressure experienced to date being 450 psig. Refer to Exhibit #9.

(8c) The injection fluid is fresh water obtained from the City of

Hobbs, New Mexico. Chemical analysis of the injection fluid utilized will be made available upon request.

(9) This requirement is duly noted and compliance is agreed to as deemed necessary.

(10) Generally, fresh water is pumped down the casing through perforations at approximately 2,060' and the water is then mixed in an underground cavern created by continual injection of fresh water. The brine is returned through the tubing at approximately 2,400' and pumped to the surface. The pressure increases when salt builds up at the perforations, resulting in blockage.

(11) A proposed stimulation program consists of reversing the flow in order to clear any salt blockage.

(12) Actual injection procedures consist of pumping fresh water down the casing and producing brine out of the tubing, interspersed with short periods of reversal to clear lines of salt blockage.

(13) Please refer to page two of Exhibit #1, which is a surface plot plan; to page 4, which is a subsurface well schematic; and to Exhibit #6a, which details the well history.

(14) Not applicable, since this permit is for renewal and not for construction.

(15) The contingency plan for Truckers #2 Brine Station will include daily monitoring of the system. Should a potential problem occur, the system will be shut down and necessary repairs implemented in order to be in proper compliance.

It shall also include notification in accordance with the EID requirements, accompanied by restitution for any damaged ground water deemed to be the responsibility of Unichem International.

An additional aspect of the contingency plan shall consist of an updated plugging and abandonment procedure to include provision of all required bonds.

Unichem International will provide a more-detailed description of its contingency plan in accordance with Water Quality Control Commission guidelines at the request of the EID.

(16) This requirement is duly noted and compliance agreed to. Unichem International will submit additional material as

deemed necessary.

(17) This requirement is duly noted and compliance agreed to--please refer to Exhibit #3.

C. (1-7) Requirements noted and complied with in this submittal.

5-300 INJECTION WELL NOTIFICATION REQUIREMENT:

A. The requirement in this section is duly noted and the information indicated is currently on file with the EID.

B. This statement has been duly noted and compliance is agreed to.

EXHIBIT #1

UNICHEM
INTERNATIONAL

EXHIBIT #1

Home Office 707 N. Leech, P. O. Box 1499 / Hobbs, NM 88240 / Ph. 505/393-7751, TWX 910/986-0010

September 20, 1982

Mr. Joe Ramey
Energy and Minerals Department
Oil Conservation Division

RE: Brine Well Discharge Plan
Truckers Water Co. Brine Well #2
Sec. 33-T18S-R38E
Lea County, New Mexico

Dear Sir:

Attached herewith, please find schematic drawings of our brine producing facility in the captioned location.

In explanation of the schematics, fresh water is pumped from the city line, down the 5 1/2" casing, through perforations at 2060 feet into the salt cavity at a pressure of 325#. Brine water is returned to the surface from the perforations at 2400, where it is stored in a plastic lined 11,000 barrel pit. The system is monitored functionally on a daily basis. Water quality is monitored as the need arises, and/or usually on a monthly basis. Quantity of production varies with demand. The demand over the past two years has been extremely large, and was metered at 370,000 barrels.

The surface storage facility was constructed in accordance to oil conservation commission specifications. The monitor sump is checked daily to insure against lining failure. The loading platform is designed to catch any overflow from trucks being loaded.

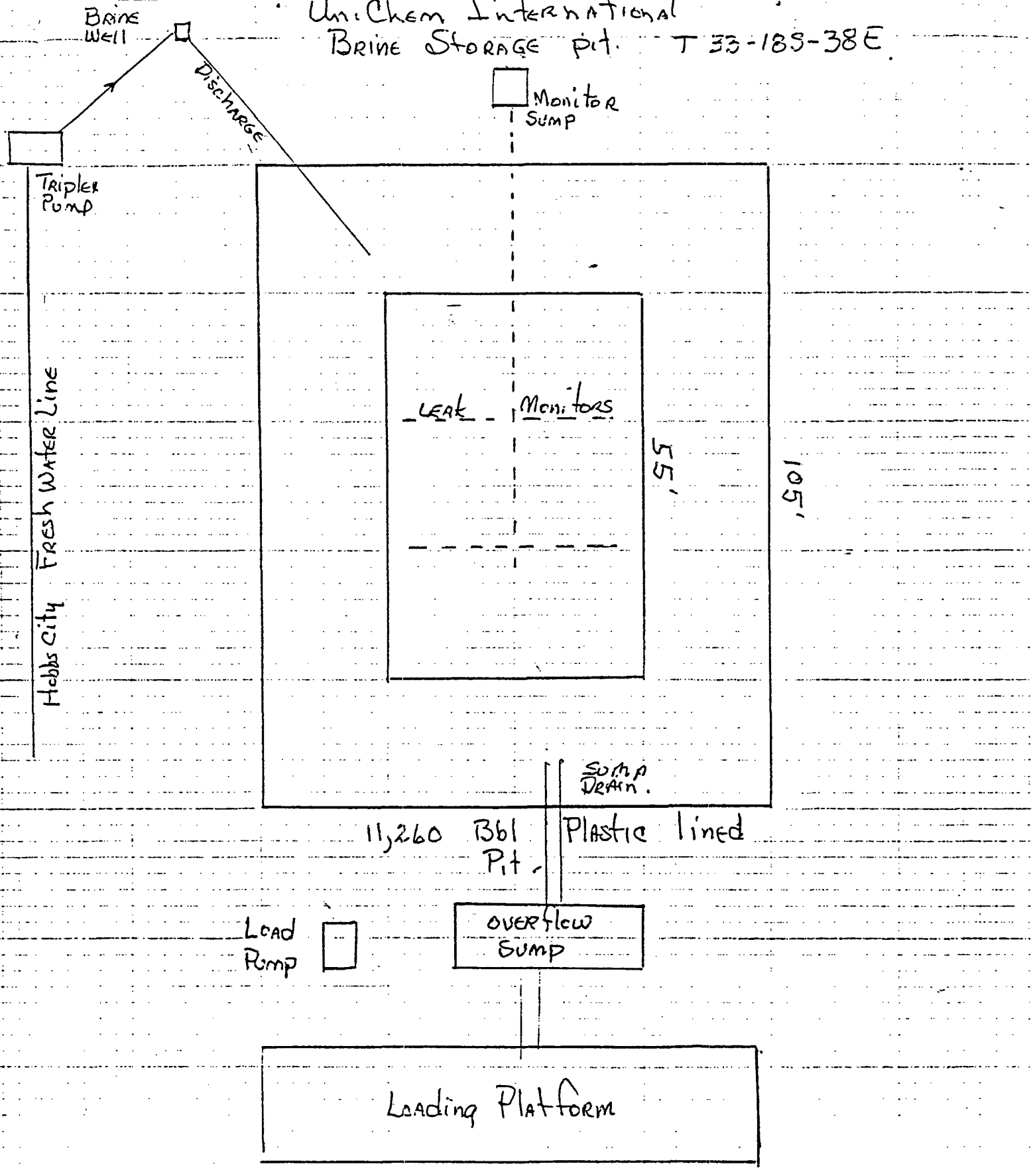
The ground water that could possibly be contaminated would be the ogalalla aquifer at an estimated 60 feet. To our knowledge there are no wells being produced from the aquifer in the immediate area. However, there are no doubt many wells that have been drilled to the ogalalla in the area that are no longer in use, and probably have never been suitably plugged.

We trust this meets your requirements for a suitable discharge plan and meets with your approval.

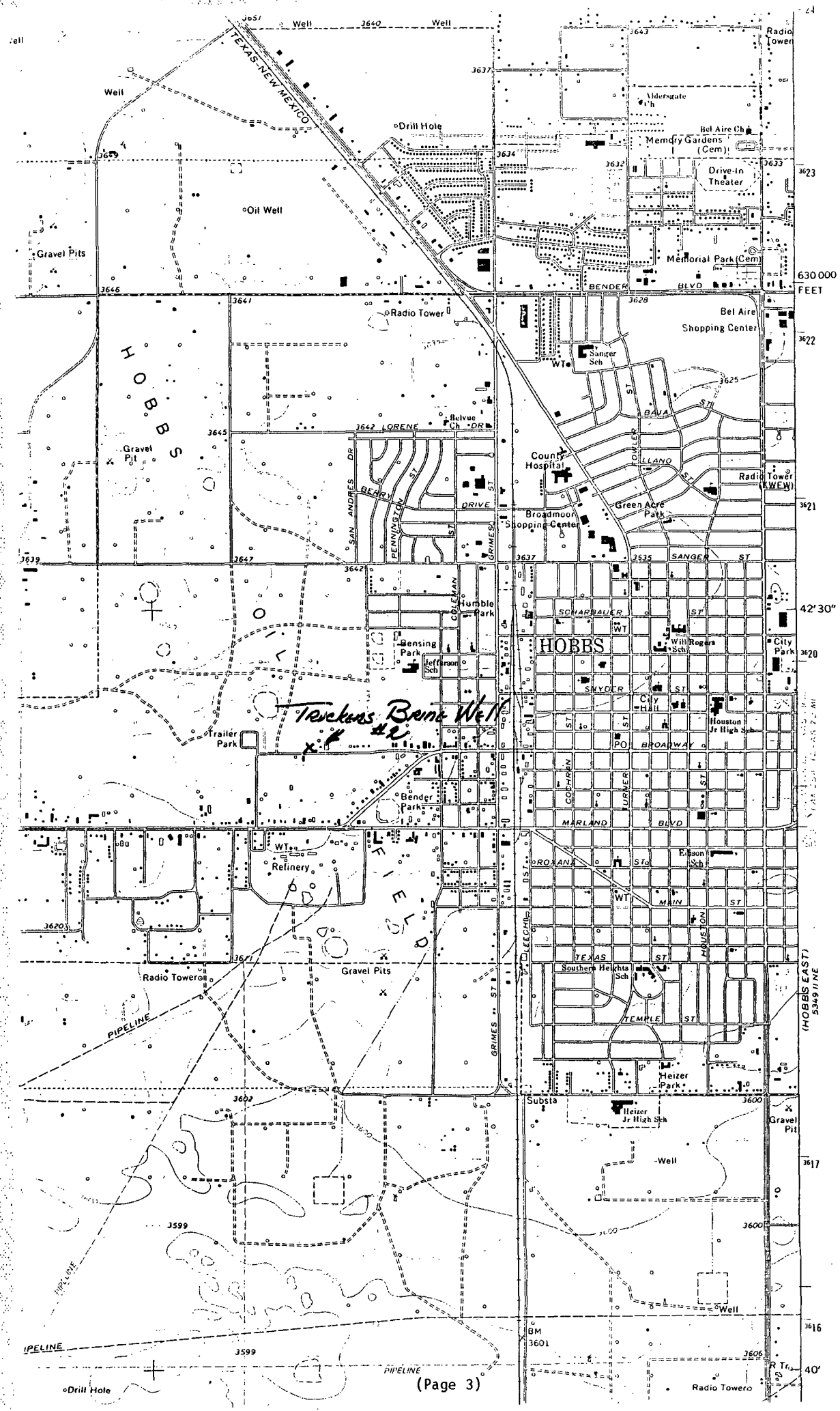
Very truly yours,

UNICHEM INTERNATIONAL INC.

Uni-Chem International
Brine Storage Pit. T 33-18S-38E



Pit prepared and inspected in accordance to New Mexico Oil Conservation Commission Specifications
Permit # LP-H-107

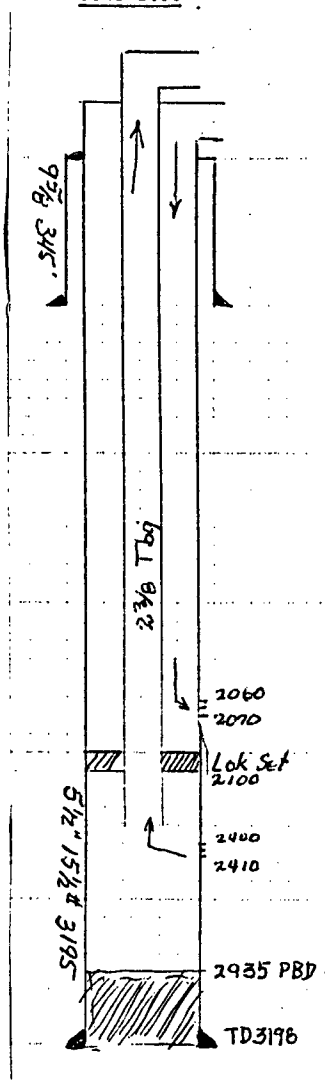

Well
Well
Well
TEXAS-NEW MEXICO
Drill Hole
Oil Well
Gravel Pits
Radio Tower
Oldersgate Ch
Bel Aire Ch
Memory Gardens (Cem)
Drive-In Theater
Memorial Park (Cem)
BENDER BLVD
630 000 FEET
Bel Aire Shopping Center
Sanger Sch
WT
HOBBS
Belvue Ch
LORENE
Gravel Pit
County Hospital
Radio Tower (KWEW)
Broadmoor Shopping Center
Green Acre Park
SANGER ST
Humble Park
SCHARBAUER ST
Bensing Park
Jefferson Sch
HOBBS
Will Rogers Sch
City Park
SNYDER ST
City Hall
Houston Jr High Sch
PO
BROADWAY
Trickons Brine Well #2
Trailer Park
Bender Park
COCHRAN
TURNER
MARLAND BLVD
Refinery
ROSANA ST
Edison Sch
MAIN ST
HOUSTON
TEXAS ST
Southern Heights Sch
Radio Tower
Gravel Pits
PIPELINE
TEMPLE ST
Heizer Park
Heizer Jr High Sch
Substa
Gravel Pit
Well
Well
BM 3601
Drill Hole
Radio Tower
42' 30"
(HOBBS EAST) 5349 II NE
(Page 3)

INJECTION WELL DATA SHEET

Uni Chem International (OPERATOR) Truckers Water Company (LEASE)

# 2	Unit K	33	18S	38E
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic



Tabular Data

Surface Casing

Size 9⅝" Cemented with 200 SX sx.

TOC CIRC. feet determined by

Hole size

Long
~~Intermediate~~ Casing

Size 5½" 15.5# Cemented with 1000 sx.

TOC CIRC - feet determined by

Hole size 7⅞

~~Long string~~

Size " Cemented with sx.

TOC feet determined by

Hole size

Total depth

Injection interval

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

Drillers Log
0-30' Caliche
30-310 Red Bed + Snd.
310-1930 Anyhydrite + Sh.
1930-2045 Salt + Anyhydrite
2045-2430 Salt

Tubing size 2⅜ lined with None (material) set in a

Baker Lok-set (brand and model) packer at 2100. feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Salt
2. Name of Field or Pool (if applicable) Hobbs
3. Is this a new well drilled for injection? ☐ Yes ☒ No

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

   Plugged back to 2935 and Abandoned by Continental O.C.
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

UNICHEM INTERNATIONAL

601 NORTH LEECH P.O.BOX1499

HOBBS, NEW MEXICO 88240

COMPANY : ROWLAND TRUCKING
DATE : 3-26-82
FIELD,LEASE&WELL : TRUCKERS #2 BRINE
SAMPLING POINT: SALT WATER WELL
DATE SAMPLED : 3-24-82

SPECIFIC GRAVITY = 1.206
TOTAL DISSOLVED SOLIDS = 304165
PH = 6.92

		ME/L	MG/L
CATIONS			
CALCIUM	(CA)+2	93.3	1870.
MAGNESIUM	(MG)+2	46.6	567.
SODIUM	(NA).CALC.	5057.	116264.
ANIONS			
BICARBONATE	(HCO3)-1	2.8	170.
CARBONATE	(CO3)-2	0	0
HYDROXIDE	(OH)-1	0	0
SULFATE	(SO4)-2	90.2	4333.
CHLORIDES	(CL)-1	5104.	180959.
DISSOLVED GASES			
CARBON DIOXIDE	(CO2)	NOT RUN	
HYDROGEN SULFIDE	(H2S)	NOT RUN	
OXYGEN	(O2)	NOT RUN	
IRON(TOTAL)	(FE)		1.5
BARIUM	(BA)+2	NOT RUN	
MANGANESE	(MN)	NOT RUN	

SCALING INDEX	TEMP
	30C 86F
CARBONATE INDEX	-2.1
CALCIUM CARBONATE SCALING	UNLIKELY
SULFATE INDEX	-.02
CALCIUM SULFATE SCALING	UNLIKELY

TELEPHONE: HOBBS 393-7751
AREA CODE - 505

KE-TONE®

UNITED CHEMICAL CORPORATION

OF NEW MEXICO

601 NORTH LEECH P. O. BOX 1499
HOBBS, NEW MEXICO 88240

Company Rowland Trucking

Field West Hobbs Station

Lease Truckers

Type of Sample Fresh Water

WATER ANALYSIS

IONIC FORM		me/l *	mg/l *
Calcium (Ca++)		3.36	67
Magnesium (Mg++)		1.00	12
Sodium (Na+)	(CALCULATED)	1.58	36
Iron (Total)			
Bicarbonate (HCO_3)		4.00	244
Carbonate (CO_3 -)		Not	Found
Hydroxide (OH-)		Not	Found
Sulphate (SO_4 -)		0.81	39
Chloride (Cl-)		1.13	40
Total Dissolved Solids			438
7.65 ph c 68 °F			
Dissolved Solids on Evap. at 103° - 105° C			
Hardness as $CaCO_3$		4.36	218
Carbonate Hardness as $CaCO_3$ (temporary)		4.00	200
Non-Carbonate Hardness as $CaCO_3$ (permanent)		0.36	18
Alkalinity as $CaCO_3$		4.00	200
Specific Gravity c 68° F 1.000			

* mg/l = milligrams per Liter

* me/l = milliequivalents per Liter

$CaCO_3$ Scaling Index slightly positive @ 86°F(0.52)

$CaSO_4$ Scaling Index negative

Maben Water Work

LAB-31

MIDESSA INDUSTRIAL VINYL CO

RT. 4 5203 WEST 42ND STREET
ODESSA, TEXAS 79763
(915) 381-2077 337-6775

"Growing Bigger By Serving Better"

UNICHEM INTERNATIONAL
P. O. BOX 1499
HOBBS, NEW MEXICO

INVOICE NO	001028
DATE	OCTOBER10, 1980
LOCATION	HOBBS, NEW MEXICO
WORK ORDER NO	672
TERMS	NET 30
SHIP VIA	INSTALLED
DATE INSTALLED	10/10/80
ORDERED BY	MR. BRAKEY

QTY.	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
		INSTALL PIT LINER		
1	ea.	30 mil black hypalon blanket		
		155' x 155' = 24,025 sq. ft. @	$ 60	$14,415 00
16	hrs.	Labor (eight men) to rake down pit area	9 00	144 00

98 x 155
12 x 155

1900795
Hobbs Brine well

PLEASE PAY FROM THIS INVOICE
NO STATEMENT WILL BE SENT.

THANK YOU

SUB TOTAL	$14,559 00
TAX	
TOTAL	$14,559 00

APPLICATION FOR PERMIT PERMIT NO. LP-H-107

TO UTILIZE A LINED EVAPORATION PIT

New Mexico Oil Conservation Commission

Name of Operator Unichem International Inc

Address Box 1499, Hobbs, New Mexico

Name of lease upon which evaporation pit will be located Truckers Water Co. Brine Well #2

Location of ~~evaporation~~ brine storage pit: Unit Letter K Section 33 Township 18S Range 38E

Lease(s) which will be producing into pit Truckers Water Co. Brine Well #2

Pool(s) which will be producing into pit N/A

Analysis of disposal water: Chlorides N/A ppm. Total dissolved solids N/A ppm.
(If more than one pool will be producing into pit, give water analysis for each pool.)

Quantity of water to be disposed of into this pit N/A barrels per day.

Water production from these same wells six months ago N/A bpd. Three months ago N/A bpd
(If more than one pool will be producing into pit, give water production data for each)

Method of hydrocarbon entrapment to be employed: Settling tank N/A Header pit

If settling tank is to be used, give size and number of barrels

If header pit is to be used, give dimensions and depth

Header pit lining material Thickness

Dimensions of Evaporation Pit ("A" and "B" on diagram) See Attached

Number of square feet contained in above 11,025

Depth (Top of levee to floor of pit--"D" on diagram) 9 feet

Material to be used as liner HYPALON Thickness 30 mil

Does manufacturer recommend protection of material from direct sunlight? Yes No x

If yes, what means will be provided to so protect the material?

Is material resistant to hydrocarbons? Yes x No

Is material resistant to acids and alkalis? Yes x No

Is material resistant to salts? Yes x No

Is material resistant to fungus? Yes x No

Is material rot-resistant? Yes x No

Will joints in material be fabricated in the field? Yes 1 No

If yes, describe method to be used in ...ning material Lapped and glued with adhesive

Attach manufacturer's brochure describing the qualities of the lining material. See Attached

Describe the leakage detection system to be used See Attached

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and further, that the subject evaporation pit and appurtenances, when installed, will be kept in good repair, and that all due diligence will be exercised in keeping the surface of the water free of oil and other debris.

Name [signature] Title Administrative Vice Pres. Date 11-16-82

Approved by [signature] Title Date NOV 22 1982

STATE OF NEW MEXICO

Revised 6-17-77

$50,000.00 BLANKET PLUGGING BOND

BOND NO. 4446488
(For Use of Surety Company)

(Note: File with Oil Conservation Commission, P. O. Box 2088, Santa Fe 87501)

KNOW ALL MEN BY THESE PRESENTS:

That Unichem International, Inc., et al. (~~an individual~~) (a partnership) (a corporation organized in the State of New Mexico, with its principal office in the city of Hobbs, State of New Mexico, and authorized to do business in the State of New Mexico), as PRINCIPAL, and HARTFORD ACCIDENT & INDEMNITY, a corporation organized and existing under the laws of the State of Connecticut, and authorized to do business in the State of New Mexico, as SURETY, are held firmly bound unto the State of New Mexico, for the use and benefit of the Oil Conservation Commission of New Mexico pursuant to Section 65-3-11, New Mexico Statutes Annotated, 1953 Compilation, as amended, in the sum of Fifty Thousand Dollars ($50,000.00) lawful money of the United States, for the payment of which, well and truly to be made, said PRINCIPAL and SURETY hereby bind themselves, their successors and assigns, jointly and severally, firmly by these presents.

The conditions of this obligation are such that:

WHEREAS, The above principal has heretofore or may hereafter enter into oil and gas leases, or carbon dioxide (CO_2) gas leases, or helium gas leases with the State of New Mexico; and

WHEREAS, The above principal has heretofore or may hereafter enter into oil and gas leases, or carbon dioxide (CO_2) gas leases, or helium gas leases on lands patented by the United States of America to private individuals, and on lands otherwise owned by private individuals; and

WHEREAS, The above principal, individually, or in association with one or more other parties, has commenced or may commence the drilling of wells to prospect for and produce oil or gas, or carbon dioxide (CO_2) gas or helium gas, or does own or may acquire, own or operate such wells, or such wells started by others on land embraced in said State oil and gas leases, or carbon dioxide (CO_2) gas leases, or helium gas leases, and on lands patented by the United States of America to private individuals, and on lands otherwise owned by private individuals, the identification and location of said wells being expressly waived by both principal and surety hereto.

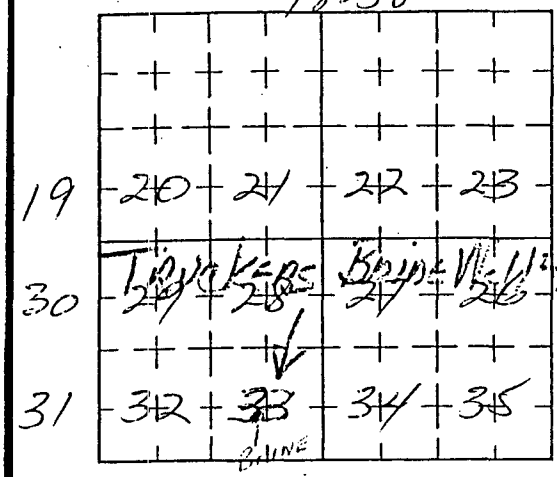
NOW, THEREFORE, If the above bounden principal and surety or either of them or their successors or assigns, or any of them, shall plug all of said wells when dry or when abandoned in accordance with the rules, regulations, and orders of the Oil Conservation Commission of New Mexico in such way as to confine the oil, gas, and water in the strata in which they are found, and to prevent them from escaping into other strata;

THEN, THEREFORE, This obligation shall be null and void; otherwise and in default of complete compliance with any and all of said obligations, the same shall remain in full force and effect.

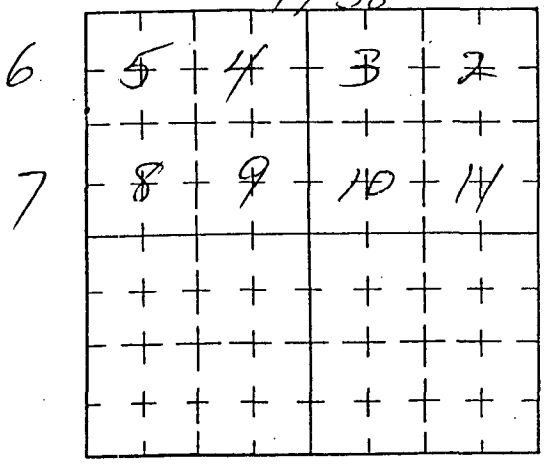
PROVIDED, HOWEVER, That thirty (30) days after receipt by the Oil Conservation Commission of New Mexico of written notice of cancellation from the surety, the obligation of the surety hereunder shall terminate as to property or wells acquired, drilled, or started after said thirty (30) day period but shall continue in effect, notwithstanding said notice, as to property or wells theretofore acquired, drilled, or started.

Sec._____T._____ R._____

18-38



19-38



Section 19	Township 18 South	Range 38 East
L-502	NW¼NE¼SE¼	Irr.
L-502-S renum.	SW¼NW¼SE¼ L-502-C	Irr.
L-4470	NE¼NE¼	Irr.
L-4675		Dom.
L-4803	SE¼SW¼SE¼	Dom.
L-4813	SW¼SE¼SE¼	Dom.
L-4886	SE¼	Dom.
L-4998	SW¼SE¼SE¼	Dom.
L-5253	SE¼SE¼SE¼	Dom.
L-5258	SE Corner	Dom.
L-5358	NE¼SE¼	Dom.
L-6017	SE¼SW¼	Oil
L-6018	SE¼SW¼	Oil
L-6019	SE¼SW¼	Oil

Section 19	Township 18 South	Range 38 East
L-6020	SE¼SW¼	Oil
L-6233	S½SE¼	Dom.
L-6306	S½SE¼	Dom.
L-6312	SW¼SE¼	Dom.
L-6337	SW¼NE¼SE¼	OWD
L-6343	SW¼	Dom. & Stk.
L-6344	NE¼SW¼	Irr.
L-6593	SE¼SE¼SW¼	Dom.
L-6632	SE¼SE¼	Dom. & Stk.
L-6635	SE¼SE¼	Dom. & Stk.
L-6660(E)	NE¼SW¼SW¼	OWD
L-6740	SE¼NE¼SW¼SE¼	Dom.
L-6732(1)	SE¼SE¼	Dom. & Stk.

Section 19	Township 18 South	Range 38 East
L-6827	S½SE¼	Dom.
L-6828	S½SE¼	Dom.
L-98-A into L-6344	NE¼SW¼	Irr.
L-6980(E)	SE¼SE¼SE¼	DOM.
L-7271	S½SE¼	Dom.

L-502-S - renumbered L-502-C

L-8150	NW¼SW¼SE¼	19-18-38	DOM
L-8268	S½SE¼		DOM
L-8325	NE¼NE¼		DOM
L-8386	SE¼SE¼		DOM
L-8504	NW¼SW¼		DOM & STK
L-757-A	NE¼NE¼		IRR

L-8637	NW¼SW¼SW¼SE¼	DOM
L-8791	SE¼SW¼	DOM

L-1173	NE¼NE¼SW¼	Irr.
L-502		Irr.
L-1213		Shallow-Dom.
L-3445	SE¼NE¼NW¼	Dom.
L-2733	NE¼SE¼SW¼	Dom.
L-3863		Dom.
L-4043	SW¼NW¼SW¼	Irr.
L-502-A-Enlarged	SW¼NW¼SW¼	Irr.
L-5107	SE¼	Dom.
L-5371	SW¼SW¼SW¼	Dom.
L-5437	S½SW¼	Dom.
L-5607	S½SW¼	dom.
L-502-A-Enlgd-B	NW¼SW¼SW¼	Irr.
L-502-A-Enlgd-C - cancelled	E½SW¼SW¼	Irr.

L-6127	S½SW¼	Dom & Stk
L-6264	S½SW¼	Dom.
L-6317	N½SW¼	Dom.
L-6329	S½SW¼	Domestic
L-6374	S½SW¼	Dom.
L-6541	N½SW¼	Dom
L-6645	S½SW¼	Dom & Stk.
L-7100	SE¼SW¼	Dom.
L-476 & L-333-Comb-A	NE¼NW¼NW¼	Irr.
L-476 & L-333-Comb-A - CLW & P & PU well now located in the SW¼NE¼		Ind.
L-7546	S½SW¼	Dom.
L-7777	NE¼NE¼	DTC
L-7810	NE¼NE¼NE¼	DTC

SECTION 20 TOWNSHIP 18 SOUTH RANGE 38 EAST

L-502-A-Enlarged-D	NW¼SW¼SW¼	IRR
L-7885	NE¼NE¼	DTC
L-7903	SE¼SE¼	DOM
L-8024	SE¼SE¼SW¼	DOM
L-8090	SW¼NW¼NE¼	DOM
L-8193	SW¼NE¼	DTC
L-8313	SW¼SW¼	DOM
L-8408	NE¼SW¼	DOM
L-8516	SE¼NE¼NE¼	DTC
L-8520	S½SW¼	DOM
L-8600	NE¼NE¼	DTC
L-8617	S½NW¼NE¼	DOM
L-8651	NE¼NW¼NW¼SE¼NE¼	DTC
L-8716	S½NW¼NE¼	DTC
L-8728	SE¼NE¼SW¼	DTC
L-8817	NE¼NE¼SE¼	STK
L-8851	NW¼SW¼NE¼	DTC

L-333	NW¼SW¼NW¼	Irr.
L-1120	Tr C-North Acres Sub-dn-Hobbs	Dom.
L-3174	SW¼NE¼NW¼	Dom.
L-3199	NE¼NW¼NW¼	Dom.
L-3264	SE¼SE¼NW¼	Dom.
L-3266	SW¼SW¼NE¼	OWD
L-1250		Limited Comm.
L-1266		OWD.
L-1294		Dom.
L-2506	SW¼NW¼SE¼	Dom.
L-1362		Dom.
L-3651	SE¼SW¼	Dom.
L-3709	SW¼SE¼	Dom.
L-2716	NE¼SW¼	Dom.
L-3655	SW¼SE¼NW¼ (over)	Dom.

L-4477	SE¼	Dom.
L-4825	SW¼SE¼NW¼	3 of Com.
L-5309	S½	Dom.
L-5477	SW¼SE¼	Dom.
L-5489	W½SW¼	Comm. & Dom.
L-5977	SW¼SE¼	Dom.
L-6015	SW¼SW¼SE¼	Dom.
L-1937	NWNWSW	IAR
L-6499	SE¼NW¼NW¼SW¼	Dom
L-7529	SE¼SE¼SW¼	
L-7653	NW¼NW¼NW¼	DTC
L-7662	NE¼NW¼SW¼SE¼NW¼	DTC & Ind.
L-7811	SE¼SE¼SW¼NW¼SE¼	DTC
L-7829	NW¼NW¼	DTC
L-7848	SE¼SW¼NW¼SE¼NW¼	DTC

2

SECTION 21 TOWNSHIP 18 SOUTH RANGE 38 EAST

L-7930	NW¼NW¼	DTC
L-8025	SE¼NW¼NW¼	DTC
L-8190	NE¼SW¼NW¼	DTC
L-8379	NW¼SW¼NW¼	DTC
L-8595	NW¼SW¼NW¼	DTC
L-8668	NW¼SW¼NW¼	DTC
L-8687	SW¼NE¼SW¼NW¼	DTC

L-362	S½SE¼		Irr.
L-2247			Dom.
L-1226			Dom.
L-1394			Dom.
L-1414			Dom.
L-1419			Dom.
L-1474			Dom.
L-1588			Dom.
L-1764			Dom.
L-2006			Irr.
L-2020			Dom.
L-2030			Dom.
L-3319			Dom.
L-3326			Dom.
L-3324	Lot 1, Blk. 9	(over)	Dom.
L-3339	NE¼NE¼NE¼		Dom.
L-3353			Dom.
L-2900	NE¼SW¼SE¼		Dom.
L-2324			Dom.
L-2325			Dom.
L-3415	SW¼SE¼		Dom.
L-3502			Dom.
L-3665	SW¼NW¼SE¼		Dom.
L-3688	NW¼SW¼SE¼		Dom.
L-2454	SW¼NW¼SE¼		Dom.
L-2542	NE¼NE¼NE¼		Dom.
L-2728 (withdrawn)	SW¼NW¼NW¼		Irr.
L-1336	SE¼SE¼		Dom.
L-2856	NE¼SW¼SE¼		Dom.
L-2866	NW¼NW¼SE¼		Dom.
L-2871	NW¼SE¼		Dom.
L-2879	NW¼SW¼SE¼		Dom.

#2
Section 22 Township 18 South Range 38 East

L-3030	NE¼NE¼NE¼		Dom.
L-3285	NE¼SE¼NE¼		Dom.
L-3657	SW¼NW¼SE¼		Dom.
L-3805	NE¼NE¼SE¼		Dom.
L-3804	NE¼NE¼SE¼		Dom.
L-3838	SW¼SE¼SW¼		Dom.
L-3272	[illegible]		Dom.
L-364-A	~~NW¼NW¼NE¼~~ SESENE		Irr.
L-367	SW¼NW¼		Irr.
L-383 Plugged	NE¼SW¼SW¼		Irr.
L-3071	NE¼NE¼NE¼		Dom.
L-3094	SE¼NW¼SE¼		Dom.
L-3095	SE¼NW¼SE¼		Dom.
L-3096	NW¼SW¼SE¼		Dom.
L-847	SW¼SW¼SW¼	(over)	Irr.
L-3085	NE¼SW¼SE¼		Dom.
L-3108	SW¼SE¼		Dom.
L-1102	NW¼SW¼NW¼		Dom.
L-3175	SW¼SE¼		Dom.
L-3182	NW¼SW¼SE¼		Dom.
L-3201	NW¼NW¼NW¼		Dom.
L-3222	NW¼SW¼SE¼		Dom.
L-3247	NW¼NW¼SE¼		Dom.
L-3261	N½S½NE¼SE¼		Dom.
L-364			Irr.
L-81 & L-364-Combined			Irr.
L-367-A-A			Irr.
L-3277	NE¼SW¼SE¼		Dom.
L-2909	NW¼SW¼SE¼		Dom.
L-2911	NW¼SE¼		Dom.
L-2912	NW¼NW¼NW¼		Dom.
L-2913	SE¼SE¼NE¼		Dom.

Section 22 Township 18 South Range 38 East

L-2927	$NW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-2892	$NW\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-2959	$NW\frac{1}{4}SW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-2972	$NW\frac{1}{4}SW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-2980	$NE\frac{1}{4}SW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-98-A	$S\frac{1}{2}S\frac{1}{2}NE\frac{1}{4}SE\frac{1}{4}$	Irr.
L-2998	$NW\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-74	$NW\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}$	Irr.
L-81	$NW\frac{1}{4}NW\frac{1}{4}NE\frac{1}{4}$	Irr.
L-98	$N\frac{1}{2}S\frac{1}{2}NE\frac{1}{4}SE\frac{1}{4}$	Irr.
L-3030	$NE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-143	$N\frac{1}{2}SE\frac{1}{4}$ —	Irr.
L-3894	$SE\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-3908	$SE\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-2828	$SE\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$ (over)	Dom.

L-3923	$NW\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$	Dom.
L-3930	$SE\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$	Dom.
L-3943	$NE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-3959	$SE\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-3973	$SW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4047	$N\frac{1}{2}S\frac{1}{2}NE\frac{1}{4}SE\frac{1}{4}$	Dom.
L-4072	$NE\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4083	$E\frac{1}{2}NW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4103	$NE\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4132	$SE\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-4140	$NW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4179	$SE\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-4182	$SE\frac{1}{4}$	Dom.
L-367-A-F & L-1764-Comb.		Irr.
L-4216	$SE\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4275	$SE\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-4294	$NE\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$	Dom.

#4
Section 22 Township 18 South Range 38 East

L-4292	$SE\frac{1}{4}$	Dom.
L-4380	$SW\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4381	$N\frac{1}{2}S\frac{1}{2}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-4390	$SE\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4439	$NE\frac{1}{4}SW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-4451	$SW\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-4452	$NE\frac{1}{4}SW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-4518	Lot 16	Dom.
L-5056	$NW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4479 (C)	$SW\frac{1}{4}SW\frac{1}{4}SE\frac{1}{4}$	Irr.
L-4544	$S\frac{1}{2}NW\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4593	$SW\frac{1}{4}NE\frac{1}{4}SE\frac{1}{4}$	Dom.
L-4594	$NW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-4605	$NE\frac{1}{4}SW\frac{1}{4}SE\frac{1}{4}$ (over)	Dom.
L-4904	$SE\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4928	$S\frac{1}{2}S\frac{1}{2}SE\frac{1}{4}$	Dom.
L-4954	$SE\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4973	$NE\frac{1}{4}SW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-4979	$SE\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-4983	$SE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4987	$NE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-4994	$SW\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-5005	$SE\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-5051	$SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-5100	$SE\frac{1}{4}SE\frac{1}{4}$	Dom.
L-5192	$SE\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-367-A-I	$S\frac{1}{2}N\frac{1}{2}NW\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$	Irr.
L-5305	$NW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-5388	$NW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-5432	$SE\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$	Dom.
L-5495	$NW\frac{1}{4}$	Dom.

Section 22, Township 18 South Range 38 East

L-5592	$SW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-5612	$SW\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-5618	$SW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-5649	$SE\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-5654	$NW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-5660	$NW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-5752	$NE\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-5781	$SE\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-5783	$SW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-5838	$SE\frac{1}{4}NE\frac{1}{4}SE\frac{1}{4}$	Dom.
L-5952	$NE\frac{1}{4}SE\frac{1}{4}$	Dom.
L-6187	$NW\frac{1}{4}SW\frac{1}{4}SE\frac{1}{4}$	DOM.
L-6210	$NE\frac{1}{4}NE\frac{1}{4}$	Dom
L-6229	$NE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom
L-6258	$NW\frac{1}{4}NW\frac{1}{4}$	Dom.

L-6298	$NW\frac{1}{4}$	Dom & Stk,
L-6327	$SW\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}$	Domestic
L-6339	$SW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-6359	$NW\frac{1}{4}NW\frac{1}{4}$	Domestic
L-6671	$SW\frac{1}{4}NW\frac{1}{4}NE\frac{1}{4}$	Domestic
L-6705		
L-367-A-J into L-4380	$SW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Irr.
L-6948(E)	$NW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-7084	$Nw\frac{1}{4}$	Dom.
L-7184	$NE\frac{1}{4}SE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-7232	$NW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-2837	$NW\frac{1}{4}SW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-7415	$SW\frac{1}{4}$	Dom.
L-7448	$SW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-7621	$SW\frac{1}{4}NW\frac{1}{4}SW\frac{1}{4}$	Dom.

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SECTION 22 TOWNSHIP 18 South Range 38 East

L-7650	$NW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-7652	$SE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-7684	$NE\frac{1}{4}NE\frac{1}{4}$	Dom
L-7855	$NE\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$	DOM
L-7920	$NE\frac{1}{4}NE\frac{1}{4}$	DOM
L-8010	$NW\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$	DOM
L-364-B	$NW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	COM
L-8947	$SE\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	DOM

Section 23	Township 18 South	Range 38 East
L-1742		Dom.
L-2935	$SE\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-2948	$SW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Irr.
L-1896	$NW\frac{1}{4}SW\frac{1}{4}NE\frac{1}{4}$	Irr.
L-112 & L-112-Enlgd.	$NW\frac{1}{4}NW\frac{1}{4}$	Irr.
L-129	$SW\frac{1}{4}NW\frac{1}{4}$	Irr.
L-129-A	$NW\frac{1}{4}NW\frac{1}{4}SW\frac{1}{4}$	Irr.
L-250	$NW\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$	Irr.
L-250-A	$NW\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$	Irr.
L-3064	$SW\frac{1}{4}SE\frac{1}{4}SW\frac{1}{4}$	Mun.
L-1039	$SW\frac{1}{4}NW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-1309		Dom.
L-1359		Dom.
L-1342		Dom.
L-3293		Dom.

(over)

L-1501		Dom.
L-1509		Dom.
L-3578	$SW\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-2522	$SE\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-1978		Dom.
L-3310	$SW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-3532		Dom.
L-3666	$SW\frac{1}{4}NW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-2512	$NW\frac{1}{4}SW\frac{1}{4}NE\frac{1}{4}$	Dom.
L-2519	$SW\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-3566	$NW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-129-B	$S\frac{1}{2}SW\frac{1}{4}NW\frac{1}{4}$	Irr.
L-4073	$NW\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4172	$NW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-4682	$N\frac{1}{2}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-5089	$NW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4893	$SW\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$	Dom.

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Section 23	Township 18 South	Range 38 East
L-5046	$SW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Irr.
L-5293	$N\frac{1}{2}NW\frac{1}{4}NW\frac{1}{4}$	Irr.
L-5326	$SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-5338	$S\frac{1}{2}$	Air-Condition
L-5460	$SW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-5476	$NW\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-5491	$NE\frac{1}{4}NE\frac{1}{4}SW\frac{1}{4}$	Dom.
L-129-C		Irr.
L-5723	$NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-6781	$NW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-7594	$SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-7711	$NW\frac{1}{4}SE\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$	Dom
L-7828	$SE\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	DOM
L-366-A	$SE\frac{1}{4}SE\frac{1}{4}$	IRR
L-8430	$SW\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$	DOM
L-8778	$NW\frac{1}{4}NW\frac{1}{4}$	DOM

Section 24	Township 18 South	Range 38 East
L-2035		Irr.
L-2414	$SE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-3828	$SW\frac{1}{4}SW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-6299	$SW\frac{1}{4}SW\frac{1}{4}SE\frac{1}{4}$	Dom & Stk.

#3 SECTION 25	TOWNSHIP 18 SOUTH	RANGE 38 EAST
L-8939	$SE\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}$	DOM
L-8970	$NW\frac{1}{4}NE\frac{1}{4}$	D & S

Section 25 — Township 18 South — Range 38 East

L-2950	NE¼SE¼		OWD
L-1810			Irr. & Dom.
L-2034			Irr.
L-2309			OWD
L-3439	NE¼SE¼SE¼		Dom.
L-3662	SE¼NW¼SE¼		Dom.
L-2345	NE¼SW¼SE¼		OWD
L-2431	SW¼NE¼		OWD
L-3500	SE¼NW¼		Dom.
L-3899	NE¼SW¼SE¼		Dom.
L-4086	SE¼NW¼SE¼		Dom.
L-4089	NW¼SE¼SE¼		Irr.
L-4274	NW¼NW¼NE¼		Dom.
L-4299	NW¼SE¼SE¼		Irr.
L-4759	SE¼SW¼SE¼	(over)	Dom.

L-4834	SE¼	Dom.
L-4885	SE¼	Dom.
L-4299-S	NE¼SW¼SE¼	Dom.
	(existing well L-4885)	
L-6105		Dom.
L-6438	SE¼SE¼SE¼	Dom.
L-6442	SE¼SE¼SE¼	Dom.
L-6744	SW¼SE¼SE¼	Dom.
L-6829	SE¼SE¼NW¼	Dom.
L-7488	NE¼	Dom.
L-7504	SW cor of SE¼	Dom & Stk
L-7599	SE¼SE¼	Dom.
L-7689	SW¼NW¼SE¼SE¼	DOM
L-7726	SW¼NE¼SE¼	DOM
L-7850	NW¼SW¼SE¼	DOM
L-7853	NE¼SW¼NE¼	DOM

#2 SECTION 25 TOWNSHIP 18 SOUTH RANGE 38 E.

L-7876	SE¼SE¼	DOM
L-7938	NW¼SW¼SE¼	DOM
L-8145	NW¼NE¼	DOM, STK & DTC
L-8262	SW¼SE¼	DOM
L-8285	NW¼SE¼	DOM
L-8413	NW¼SW¼	DOM
L-8443	SW¼NE¼	DOM
L-8496	SW¼SE¼	DOM & STK
L-8533	SE¼NW¼SE¼	DOM
L-8685	N½SW¼NW¼SE¼	DOM
L-8953	NW¼SE¼	Domes
L-8686	N½SW¼NW¼SE¼	DOM
L-8710	NW¼SE¼	DOM
L-8757	SW¼	DOM
L-8777	NW¼SE¼	DOM
L-8779	NW¼SE¼	DOM
L-8805	SW¼NW¼SE¼	DOM
L-8807	SE¼NW¼SE¼	DOM
L-8826	SW¼NW¼SE¼	DOM
L-8843	NW¼SE¼	DOM
L-8863	SW¼NE¼	DOM
L-8891	NW¼SE¼	DOM
L-8900	NW¼SE¼	DOM
L-8917	NW¼SW¼SE¼	DOM

Section 26 . Township 18 South Range 38 East .

L-2416	$SW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-2604	$NW\frac{1}{4}NW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-2609	$NW\frac{1}{4}NW\frac{1}{4}SW\frac{1}{4}$	Comm.
L-2659	$NW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-2683	$NW\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-2708	$SW\frac{1}{4}NE\frac{1}{4}SW\frac{1}{4}$	Dom.
L-2717	$SW\frac{1}{4}NE\frac{1}{4}SW\frac{1}{4}$	Dom.
L-4130	$SE\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-739	$SW\frac{1}{4}SE\frac{1}{4}SW\frac{1}{4}$	Irr.
L-4724	$NE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-5040	$NE\frac{1}{4}NW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-5391	$SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-5420	$SW\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-2922	$NW\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}$ (over)	Dom.
L-2979	$SE\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$	Dom.

L-104	$SW\frac{1}{4}NW\frac{1}{4}NE\frac{1}{4}$	Irr.
L-125	$E\frac{1}{2}NW\frac{1}{4}$	Irr.
L-128 into L-298 & L-299-Comb.	$SE\frac{1}{4}NW\frac{1}{4}$	Irr.
L-225	$SW\frac{1}{4}SE\frac{1}{4}SW\frac{1}{4}$	Irr.
L-277	$NW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Irr.
L-410	$S\frac{1}{2}SW\frac{1}{4}NW\frac{1}{4}SW\frac{1}{4}$	Irr.
L-902	$SW\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-3105	$NW\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-938	$SW\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-1031	$SW\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-1084	$SW\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-1090	$SW\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-1116	$NW\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-1126	$SW\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$	Dom.
L-1128	$NE\frac{1}{4}SE\frac{1}{4}SW\frac{1}{4}$	Dom.
L-1448		Dom.
L-3276		Dom.

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Section 26 Township 18 South Range 38 East

L-3295		Dom.
L-1370		Dom.
L-3300		Dom.
L-1677		Dom.
L-1780		Dom.
L-3307	$SW\frac{1}{4}NE\frac{1}{4}SW\frac{1}{4}$	Dom.
L-2176		Irr.
L-2213		Irr.
L-3374	$SW\frac{1}{4}SE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-3447		Dom.
L-2583	$NW\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-2580	$NE\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-128	$SW\frac{1}{4}SE\frac{1}{4}NW\frac{1}{4}$	Comm.
L-128 into L-298 & L-299-Comb.	$SE\frac{1}{4}NW\frac{1}{4}$ (OVER)	Irr.

L-5510	$NE\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$	26-18-38	Dom.
L-5513	$NE\frac{1}{4}NW\frac{1}{4}$	26-18-38	Dom.
L-5661	$S\frac{1}{2}SE\frac{1}{4}NW\frac{1}{4}SW\frac{1}{4}$	26-18-38	Dom.
L-5889	$SW\frac{1}{4}SW\frac{1}{4}$	26-18-38	Dom.
L-6215	$NW\frac{1}{4}SE\frac{1}{4}SW\frac{1}{4}$	26-18-38	Dom
L-6805	$SW\frac{1}{4}NW\frac{1}{4}$	26-18-38	Dom.
L-6846	$SW\frac{1}{4}SW$	26-18-38	Dom.
L-7881	$NW\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$		DOM

Section 27	Township 18 South	Range 38 East
L-2930	$NE\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-3065	$NE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Mun.
L-989	$NW\frac{1}{4}SE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-1053	$SE\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$	Dom.
L-1075	$SE\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$	Dom.
L-1083	$SE\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$	Dom.
L-3179	$SE\frac{1}{4}NE\frac{1}{4}SE\frac{1}{4}$	Dom.
L-3055		Dom.
L-1296	cancelled	Dom.
L-1338		non-Comm.
L-1779		Mun.
L-1981		Irr.
L-1982		Irr.
L-2141		Dom.

(over)

L-3504		Dom.
L-2515	$NW\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$	Dom.
L-4091	$SE\frac{1}{4}SE\frac{1}{4}SW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-5080	Lot C, Blk. 34	Dom.
L-5245	$SW\frac{1}{4}NE\frac{1}{4}SE\frac{1}{4}$	Dom.
L-5575	$SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-6088	$SW\frac{1}{4}NE\frac{1}{4}$	Dom.
L-7484	$E\frac{1}{2}$	Dom.

Section 28	Township 18 South	Range 38 East
L-2892	$NW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-3076	$NE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-3160	$SW\frac{1}{4}SE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-3312	$NE\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-2441	$NE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-2688	$SE\frac{1}{4}SW\frac{1}{4}NE\frac{1}{4}$	Dom.
L-2904	$NW\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$	Dom.
L-2790	$NW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Ind.
L-4726	$NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-5026	$SE\frac{1}{4}$	Dom.
L-5259	$NE\frac{1}{4}NE\frac{1}{4}$	Comm.
L-5401	$NE\frac{1}{4}SW\frac{1}{4}$	Dom.
L-5449	$NW\frac{1}{4}NW\frac{1}{4}NE\frac{1}{4}$	Comm.
L-5712	$N\frac{1}{2}NW\frac{1}{4}NE\frac{1}{4}$	Comm.

L-5877	NE¼SE¼	Dom.
L-5907	NE¼	3 af com.
L-6289	NE¼NE¼NE¼	Comm. 3a/f
L-6348	NW¼NW¼NE¼	oil
L-6349	NE¼NE¼NW¼	oil
L-6350	NE¼NE¼NW¼	oil
L-6351	SE¼NE¼NW¼	oil
L-6352	NE¼NW¼NW¼	oil
L-6353	SE¼NW¼NW¼	oil
L-6354	SE¼SE¼NW¼	oil
L-6355	NW¼SW¼NE¼	oil
L-7526	SW¼SW¼NE¼	cathodic
L-7527	SW¼NW¼SW¼	cathodic
L-7656	SE¼NW¼NE¼	dom
L-7678	SE¼NW¼NE¼	Dom

SECTION 28 #2 TOWNSHIP 18 SOUTH RANGE 38 EAST

L-7679	NE¼SW¼NE¼	Dom
L-7717	NW¼NE¼SW¼NE¼	Dom
L-7716	NE¼SW¼NE¼	Dom
L-7720	SE¼NW¼NE¼	Dom
L-7729	NE¼SW¼NE¼	DOM
L-7745	NE¼SW¼NE¼	Dom
L-8009	NW¼NW¼NW¼	DTC
L-8013	NE¼SW¼NE¼	Dom
L-8192	NE¼ NW¼NW¼	DTC
L-8485	NW¼NW¼	DTC

Section 29 #1 / Township 18 South Range 38 East

L-4547	$NW\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-5577	$NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-6203	$NE\frac{1}{4}$	Dom.
L-6444	$W\frac{1}{2}SW\frac{1}{4}$	Dom.
L-6453(E)2	$NW\frac{1}{4}SE\frac{1}{4}SW\frac{1}{4}$	OWD
L-6570(E)	$SW\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$	OWD
L-6603	$NE\frac{1}{4}NW\frac{1}{4}NE\frac{1}{4}$	Domestic
L-6717	$SE\frac{1}{4}NE\frac{1}{4}$	Domestic
L-6745	$NW\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$	OWD
L-7005	$NW\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$	Drinking &
L-7017	$SW\frac{1}{4}SW\frac{1}{4}$ Dom.	San. Pur.
L-7068	$SW\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-7427	$SE\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}SW\frac{1}{4}NE\frac{1}{4}$	Dom.
L-7432	$SE\frac{1}{4}NE\frac{1}{4}$	Dom.

L-7434	$SE\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-7530	$SE\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$	
L-7531	$NW\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$	
L-7528	$SE\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}$	
L-7570	$SW\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-7628	$NW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-7673	$NE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom
L-7754	$NE\frac{1}{4}NE\frac{1}{4}$ $SE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	DTC
L-7825	$NW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	DOM
L-7826	$SW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	DOM
L-7839	$SE\frac{1}{4}NE\frac{1}{4}$	DOM
L-8131	$NW\frac{1}{4}SW\frac{1}{4}$	DOM
L-8135	$SE\frac{1}{4}NE\frac{1}{4}$	DOM
L-8191	$NE\frac{1}{4}$ $SE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	DTC

#2 SECTION 29 TOWNSHIP 18 SOUTH RANGE 38 EAST

L-8228	$SE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	DTC
L-8229	$NW\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$	DOM
L-8362	$NW\frac{1}{4}SW\frac{1}{4}$	DTC
L-8370	$NE\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$	DTC
L-8429	$NE\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}$	DOM
L-8446	$SE\frac{1}{4}$ $NE\frac{1}{4}NE\frac{1}{4}$	DOM
L-8448	$NW\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$	DTC
L-8737	$SE\frac{1}{4}NE\frac{1}{4}$	DOM
L-8860	$N\frac{1}{2}NE\frac{1}{4}$	D & S
L-8867	$NE\frac{1}{4}NE\frac{1}{4}$	D & S

#1
Section 30 Township 18 South Range 38 East

L-2629	$SE\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$	Dom.
L-2660	$NE\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-2858	$NE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-2873	$SE\frac{1}{4}SW\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-3130	$SE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$ of $NE\frac{1}{4}$	Dom.
L-3136	$NE\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-3996	$NE\frac{1}{4}NE\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-4224	Tract #15, Watkins Survey	Dom.
L-4428	$NW\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$	Dom.
L-4438	$NE\frac{1}{4}NW\frac{1}{4}NE\frac{1}{4}$	Dom.
L-4483	$SW\frac{1}{4}SW\frac{1}{4}NE\frac{1}{4}$	Dom.
L-4484	$SW\frac{1}{4}SW\frac{1}{4}NE\frac{1}{4}$	Dom.
L-4511	$SW\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-4519	$NE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-4561	$SE\frac{1}{4}NW\frac{1}{4}NE\frac{1}{4}$ (over)	Dom.
L-4864	$NE\frac{1}{4}NW\frac{1}{4}NE\frac{1}{4}$	Dom.
L-4941	$NW\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-5027	$SW\frac{1}{4}SW\frac{1}{4}NE\frac{1}{4}$	OWD

#2
Section 30 Township 18 South Range 38 East

L-3259	$NW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-1433		Dom.
L-1835	$N\frac{1}{2}NW\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$	Irr.
L-1835-A	$SW\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$	Irr.
L-1835-B	$NW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Irr.
L-1835-C	$N\frac{1}{2}SW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Irr.
L-1835-D (C)		Irr.
L-1836 (W)		Dom.
L-1862 (C)		Irr.
L-1862-A	$SE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Irr.
~~L-1937~~	~~$NW\frac{1}{4}NW\frac{1}{4}SW\frac{1}{4}$~~ Sec 21	~~Irr. 60ac.~~
L-2167	$SW\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-3352	$NW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-2244	$S\frac{1}{2}NW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-2271	$SW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$ (over)	Dom.
L-2314		OWD
L-3526		Dom.
L-3545	$NE\frac{1}{4}$	Expl.
L-3650	$NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-3659	$NE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-3690	$SW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-2395	$SW\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$	OWD
L-2577	$NW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-1433	$NE\frac{1}{4}NW\frac{1}{4}NE\frac{1}{4}$	Dom.
L-3737	$E\frac{1}{2}NW\frac{1}{4}$	Dom.
L-3802	$NE\frac{1}{4}$	Dom.
L-3912	$NW\frac{1}{4}NW\frac{1}{4}$	Irr.
L-3979	$SE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-5084	$NW\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-5101	$E\frac{1}{2}NW\frac{1}{4}$	Dom.
L-5213	$E\frac{1}{2}NW\frac{1}{4}$	Dom.
L-3130	$SE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$ of $NE\frac{1}{4}$	Dom.

#3

Section 30	Township 18 South	Range 38 East
L-3136	NE¼NE¼NW¼	Dom.
L-3903	NE¼NE¼NW¼	Dom.
L-3904	NW¼NW¼	Dom.
L-1862-C	NE¼NE¼	2½ ac.
L-1862-C-A	NE¼NE¼	2½ Ac.
L-4397	SW¼NW¼NE¼	Dom.
L-4617	NE¼NE¼NE¼	Dom.
L-4962	E½NW¼	Dom.
L-5047	N½SW¼NE¼NE¼	Dom.
L-5148	SE¼NE¼NE¼	Dom.
L-5162	NE¼NE¼NE¼	Dom.
L-5216	SE¼NE¼	Dom.
L-5405	NE Corner	Dom.
L-5406	SE¼SE¼NW¼	Dom.

(over)

L-5473	NE¼NE¼SW¼	Dom.
L-5593	SE¼SW¼NE¼	Dom.
L-5596	SW¼SW¼NE¼	OWD
L-5596-X	SW¼SW¼NE¼	OWD
L-5596-X-2	SW¼SW¼NE¼	OWD
L-5624	SW¼SE¼SW¼NE¼	OWD
L-5625	SE¼SE¼SW¼NE¼	OWD
L-5626	SW¼SW¼SE¼NE¼	OWD
L-5627	NW¼NW¼NW¼SE¼	OWD
L-5628	NE¼NW¼NW¼SE¼	OWD
L-5629 (ES)	NW¼NE¼NW¼SE¼	OWD
L-5630 (ES)	NE¼NE¼NW¼SE¼	OWD
L-5655	SW¼NW¼NW¼SE¼	OWD
L-5656	SE¼NW¼NW¼SE¼	OWD
L-5657	SW¼NE¼NW¼SE¼	OWD
L-5666	NE¼	Dom.
L-5678	SE¼SW¼NE¼	Dom.

#4

Section 30	Township 18 South	Range 38 East
L-5818	SE¼SE¼NW¼	OWD
L-5840	S½SE¼NW¼NE¼	Dom.
L-5841	W½SW¼SE¼NE¼	Dom.
L-5846	NW¼SE¼NE¼	Dom.
L-5847	NE¼SW¼NE¼	Dom.
L-5849	SE¼SE¼NW¼	OWD
L-5865	SW¼SW¼NE¼	Oil
L-5866	SW¼SW¼NE¼	Oil
L-5867	SW¼SW¼NE¼	Oil
L-5868	SW¼SW¼NE¼	Oil
L-5869	SW¼SW¼NE¼	Oil
L-5870	SW¼SW¼NE¼	Oil
L-5871	NW¼NW¼SE¼	Oil

over

L-5886	N½SW¼SW¼NE¼	Oil
L-5887	SW¼SE¼SW¼NE¼	Oil
L-5888	SW¼SW¼SE¼NE¼	Oil
L-5893	SW¼NW¼SW¼NE¼	Oil
L-5894 (2)	E½NW¼SW¼NE¼	Oil
L-5895	SW¼NE¼SW¼NE¼	Oil
L-5896	SE¼SW¼SE¼NE¼	Oil
L-5897	N½SW¼SE¼NE¼	Oil
L-5905	NE¼	Dom.
L-5906	NE¼	Dom.
L-5911	NE¼	Dom.
L-5925	SW¼SE¼SW¼NE¼	Oil
L-5927	NW¼SW¼NW¼	Dom.
L-5928	SW¼SE¼NE¼	Dom.

cont.

#5
Sec. 30 Twp. 18-S. Rge. 38-E.

L-5929	NW¼SE¼NE¼	Oil
L-5930	NW¼SE¼NE¼	Oil
L-5931	NW¼SE¼NE¼	Oil
L-5932	NW¼SE¼NE¼	Oil
L-5933	NW¼SE¼NE¼	Oil
L-5934	NW¼SE¼NE¼	Oil
L-5935	NW¼SE¼NE¼	Dom.
L-5938	W½NE¼	Dom.
L-5939	NW¼NW¼SW¼NW¼	Oil
L-5940	SW¼NE¼	Dom.
L-5941	W½NE¼	Dom.
L-5946 (2)	E½NW¼SW¼NE¼	Oil
L-5947	E½NW¼SW¼NE¼	Oil

over

L-5948 (2)	SW¼NE¼SW¼NE¼	Oil
L-5949	SW¼NE¼SW¼NE¼	Oil
L-5950	NW¼NW¼NW¼	Dom.
L-5960	NE¼NW¼NE¼	Dom.
L-5974	SE¼NW¼NE¼	Dom.
L-5986	SW¼SW¼NE¼	Oil
L-5987	SW¼SW¼NE¼	Oil
L-5993	NE¼SW¼	Stk.
L-6000	SE¼SW¼NE¼	Oil
L-6001	SE¼SW¼NE¼	Oil
L-6002	SE¼SW¼NE¼	Oil
L-6003	SE¼SW¼NE¼	Oil
L-6004	NW¼NW¼SE¼	Oil
L-6005	NW¼NW¼SE¼	Oil
L-6006 (2)	NE¼NW¼SE¼	Oil
L-6007 (2)	NE¼NW¼SE¼	Oil

#6
Sec. 30 Twp. 18-S. Rge. 38-E.

L-6011	NW¼NW¼SE¼	Oil
L-6012	NW¼NW¼SE¼	Oil
L-6013 (2)	NE¼NW¼SE¼	Oil
L-6014 (2)	NE¼NW¼SE¼	Oil
L-6025 (2)	SW¼SE¼SW¼NE¼	Oil
L-6026	NE¼NW¼NW¼SE¼	Oil
L-6027	SE¼SW¼SW¼NE¼	Oil
L-6032 thru L-6041	S½NW¼SE¼NE¼	Oil
L-5818 (1)	SE¼SE¼NW¼	Oil
L-5849 (1)	SE¼SE¼NW¼	Oil
L-6124	NW¼NE¼	Dom
L-6141	SE¼NW¼NW¼SE¼	Oil
L-6142	SE¼NW¼NW¼SE¼	Oil

L-6143	SW¼NW¼NW¼SE¼	Oil
L-6144	SW¼NW¼NW¼SE¼	Oil
L-6145	SW¼NW¼NW¼SE¼	Oil
L-6150	NE¼NE¼SW¼	"
L-6150-X	"	"
L-6150-X-2	"	"
L-6150-X-3	"	"
L-6150-X-4	"	"
L-6176 (1)	NW¼SW¼NE¼	Salvage oil
L-6177 (1)	NW¼SW¼NE¼	
L-6178 (1)	NE¼SW¼NE¼	
L-6179 (1)	NE¼SW¼NE¼	

L-5949 (1) (2)	SW¼NE¼SW¼NE¼	L-5894 (1)	E½NW¼SW¼NE¼
L-5895 (1) (2)	SW¼NE¼SW¼NE¼	L-5946 (1)	E½NW¼SW¼NE¼
L-5947 (1) (2)	E½NW¼SW¼NE¼	L-5948 (1)	SW¼NE¼SW¼NE¼

L-5929(1); L-5930(1); L-5931(1); L-5932(1); L-5933(1); L-5934(1)

Section 30 Township 18 S. Range 38 E.

L-6200	SE¼SW¼SW¼NE¼	OWD
L-6025(±)(3)	SW¼SE¼SW¼NE¼	OWD
L-6026(±)(3)	NE¼NW¼NW¼SE¼	OWD
L-6027(±)(3)	SE¼SW¼SW¼NE¼	OWD
L-6291	NE¼SW¼NE¼	Irr
L-6294 (E2)	NW¼NE¼NW¼SW¼	Dom & OWD
L-6295 (E2)	SW¼NW¼NW¼SW¼	Dom & OWD
L-6032(1); L-6033(1); L-6034(1); L-6035(1); L-6036(1); L-6037(1); L-6038(1)	S½SE¼NE¼	OWD
L-6340	NE¼SW¼SW¼NE¼	
L-6340-X	"	L-6340-X-2 NE¼SW¼SW¼NE¼
L=6340-X-3	SW¼SW¼SE¼NE¼	(also L-6340-X-4 & L-6340-X-5)
L-6340-X-6	SE¼SE¼SW¼NE¼	(also L-6340-X-7, 8, 9)
L-6365	NE¼SW¼NE¼	Salvage Oil
L-6366	NW¼SW¼NE¼	Salvage Oil

(L-6340 thru L-6340-X-9 now numbered L-6340(E-2) thru L-6340-X-9(E-2)

L-6150-X-5	NW¼NE¼NE¼NE¼SW¼	Oil
L-6150-X-6	SW¼NE¼NE¼NE¼SW¼	Oil
L-6150-X-7	NW¼SE¼NE¼NE¼SW¼	Oil
L-6150-X-8	SW¼SE¼NE¼NE¼SW¼	Oil
L-7169	NW¼NW¼NE¼	Dom.
L-7245	SE¼NE¼	Dom.
L-7286	NE¼NW¼NE¼	Dom.
L-7532	SW¼SE¼SE¼	
L-7597	NE¼NW¼	Dmm.
L-7602	NE¼NE¼NE¼	Dom.

#9

Section 30 Township 18 S Range 38 E

L-6514(E)	SE¼SW¼NE¼	30-18-38	oil salvage
L-6514(E)X	"	"	"
L-6514(E)X2	"	"	"
L-6518	SE¼NE¼	Domestic	
L-6527	NW¼NE¼SW¼	Oil Salvage	
L-6545(E)	SE¼SE¼NE¼	OWD	
L-6514 (E-2)	SW¼SE¼SW¼NE¼	OWD	30-18-38
L-6514-X ~~(E-2)~~ (E-3)	SW¼SE¼SW¼NE¼	OWD	30-18-38
L-6514-X-2 ~~(E-2)~~ (E-4)	SW¼SE¼SW¼NE¼	OWD	30-18-38
L-6971(E)	NW¼NE¼NW¼SE¼		OWD
L-6972(E)	NW¼NE¼NW¼SE¼		OWD
L-6973(E)	NE¼NE¼NW¼SE¼		OWD
L-6974(E)	NW¼NE¼NW¼SE¼		OWD
L-6975(E)	NW¼NW¼NW¼SE¼		OWD
L-6992(E)	NE¼NE¼NW¼SE¼		OWD
L-6993(E)	NE¼NW¼NW¼SE¼		OWD
L-6994(E)	SE¼NW¼NW¼SE¼		OWD
L-6995(E)	NE¼NE¼NW¼SE¼		OWD
L-6996(E)	NE¼NE¼NW¼SE¼		OWD
L-7732	NE¼NW¼		DOM
L-7962	NE¼SW¼NE¼		DOM
L-8018	NE¼NE¼NE¼		DOM
L-8036	NW¼NW¼NE¼		DOM
L-8391	NE¼SW¼		DOM & STK
L-8445	NW¼NE¼		DOM
L-8447	NW¼NE¼		DTC
L-8545	NW¼NE¼		Dom
L-8546	NW¼NE¼		DOM

#

SECTION 30 TOWNSHIP 18 SOUTH RANGE 38 EAST

L-8928	SW¼NE¼	DOM

Section 31	Township 18 South	Range 38 East.
L-2564	$NE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-4121	$SW\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$	Dom.
L-5400	$SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-6684	$SE\frac{1}{4}SE\frac{1}{4}$	Stk.
L-7447	$SW\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$	Dom.
L-7533	$SW\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$	

Section 32	Township 18 South	Range 38 East
L-4187	$SE\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-2964	$SE\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-3078	$SW\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-1245		Dom.
L-1260		OWD
L-1264		OWD
L-1265		OWD
L-1268		Dom.
L-1565	Dom.	
L-2112		Dom.
L-2302		OWD
L-3623	$SE\frac{1}{4}SE\frac{1}{4}SW\frac{1}{4}$	Dom.
L-2555	$SW\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-2688	$SW\frac{1}{4}SE\frac{1}{4}SW\frac{1}{4}$	Comm.

(over)

L-2709	$SW\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$	Ind.
L-3849	S	Dom.
L-5431	$NW\frac{1}{4}NW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-5505	$SW\frac{1}{4}SW\frac{1}{4}SE\frac{1}{4}$	Comm.
L-5736	$NW\frac{1}{4}$	Comm.
L-5874	$N\frac{1}{2}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-6090	$SE\frac{1}{4}SE\frac{1}{4}$	Dom.
L-6245	$N\frac{1}{2}NW\frac{1}{4}$	Dom
L-1245(1) (2) (3)(4)	$NE\frac{1}{4}NW\frac{1}{4}SW\frac{1}{4}$ (E 5)	OWD
L-6488(E)	$SW\frac{1}{4}SW\frac{1}{4}NE\frac{1}{4}$	OWD
L-7103	$SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-7204	$SE\frac{1}{4}SE\frac{1}{4}$	Dom.
L-7461	$SE\frac{1}{4}SW\frac{1}{4}$	DTC
L-7534	$NW\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}$	
L-7535	$NW\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$	
L-7536	$SE\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$	

#2

SECTION 32	TOWNSHIP 18 SOUTH	RANGE 38 EAST
L-7774	$NW\frac{1}{4}NW\frac{1}{4}SW\frac{1}{4}$	DOM
L-8050	$NW\frac{1}{4}SW\frac{1}{4}$	DOM
L-8128	$NW\frac{1}{4}SE\frac{1}{4}SW\frac{1}{4}$	DTC
L-8377	$SW\frac{1}{4}SW\frac{1}{4}SE\frac{1}{4}$	DTC

Section 33	Township 18 South	Range 38 East
L-143	SW¼NW¼SW¼	COM & IRR
L-2766	SE¼NE¼NE¼	Dom.
L-113	NE¼SE¼	Irr.
L-1701		Dom.
L-1196		Dom.
L-1786		Dom.
L-3299	NW¼SE¼SE¼	Dom.
L-2232		Dom.
L-2264		Dom.
L-2272		Dom.
L-2316		Dom.
L-2440	S½SW¼	Dom.
L-3729	NE¼SW¼	Dom.
L-4144	NE¼SW¼	Dom.
L-4362	E½W½NW¼ (over)	Dom.
L-4750	SE¼NE¼SW¼	Dom.
L-6186	SE¼NE¼	Dom.
L-6385	SW corner	Dom
L-6574(E)	SW¼SW¼NW¼	OWD
L-1268(E)	NE¼NW¼NE¼	OWD
L-2836	SW¼SW¼SE¼	Mun.
L-7523	NW¼SE¼SE¼	
L-8063	SE¼NE¼NE¼	DOM
L-8223	SW¼	DTC
L-8564	SW¼SW¼	DOM
L-8845	SW¼	DOM

Section 34	Township 18 South	Range 38 East
L-106	Lot 15, Blk 46 Orig Hobbs	Ind.
L-940	SW¼NE¼NW¼	Mun.
L-941	SW¼NE¼NW¼	Mun.
L-942	SW¼NE¼NE¼	Mun.
L-943	SW¼NE¼NW¼	Mun.
L-944	SW¼NE¼NW¼	Mun.
L-945	SW¼NE¼NW¼	Mun.
L-1082	NE¼NE¼NW¼	Dom.
L-1097	NE¼SW¼SE¼	Dom.
L-3159	NE¼NE¼SW¼	Dom.
L-3182	Lot 12, Blk 9 Albertson Sub-div.	Dom.
L-1340		Dom.
L-1635		Dom.
L-2097		Dom.
L-5357	SW¼NE¼SW¼ (over)	Dom.
L-2007		Mun.
L-2143		Dom.
L-2323		Dom.
L-2903	SE¼NE¼NW¼	Dom.
L-3573	SE Corner	Dom.
L-3916	NE¼NE¼	Dom.
L-3944	SE¼SW¼SE¼	Dom.
L-5749	NE¼NE¼SW¼	To Drill
L-6268	NE¼NE¼NE¼	Dom.
L-7524	SE¼NW¼NW¼	
L-7525	NE¼SE¼SW¼	
L-7541	SW¼NE¼NW¼	

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Section 35	Township 18 South	Range 38 East
L-1517		Dom.
L-2915	SW¼SW¼NE¼	Dom. & Comm.
L-2150	SW¼SE¼SE¼	4 ac.
L-3003	SE¼SE¼SE¼	Dom.
L-101	S½S½NW¼NW¼	Irr.
L-108	SE¼NE¼NE¼	Irr.
L-132	NW¼NW¼SE¼	Irr.
L-159		Irr.
L-195	SW¼SE¼	Irr.
L-220	SE¼SW¼NW¼	Mun.
L-220-S	SW¼SW¼NE¼	Mun.
L-221	SW¼SW¼NW¼	Mun.
L-225-B-Enlgd.	NE¼NW¼	Irr.
L-1040	NE¼SE¼ (over)	Dom.
L-1051	NW¼NW¼NW¼	Irr.
L-1058	SE¼NE¼SE¼	Dom.
L-1101	NW¼NW¼NW¼	Dom.
L-1150	S½S½NW¼NW¼	Dom.
L-3162	SE¼NW¼NW¼	Dom.
L-2616	NE¼NE¼	Dom.
L-571		Irr.
L-1229		Dom.
L-1228		Dom.
L-1225		Dom.
L-1184		Dom.
L-1179		Dom.
L-3347		Dom.
L-1351		Dom.
L-1352		Dom.
L-1366		Dom.
L-1367		Dom.

#2

Section 35	Township 18 South	Range 38 East
L-1387		Dom.
L-1420		Dom.
L-1451		Dom.
L-1452		Dom.
L-1497		Dom.
L-1500		Dom.
L-1512		Dom.
L-1528		Dom.
L-1778		Mun.
L-1804		Dom.
L-1805		Mun.
L-1832		Mun.
L-3320		Dom.
L-2074	(over)	Dom.
L-2223		Mun.
L-3348		Dom.
L-2277		Dom.
L-2285		Dom.
L-2292		Dom.
L-2293		Dom.
L-3675	SE¼SE¼SE¼	Dom.
L-2485	NE¼SW¼	Dom.
L-2626	NW¼SE¼NE¼	Dom.
L-3858	SW¼SW¼SE¼	Dom.
L-2637	NW¼SW¼SE¼	Dom.
L-2321		Dom.
L-2886	SE¼SW¼SE¼	Dom.
L-3691	SW¼NW¼SE¼	Dom.
L-3935	SW¼SW¼SE¼	Dom.
L-3950	Lots 6, 7; 8 Blk 2 Campbell Add.	Dom.
L-4244	SE¼SE¼SE¼	Dom.

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Section 35	Township 18 South	Range 38 East
L-4307	$SE\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4440	$NW\frac{1}{4}NW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-4441	$SE\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-4641	$NE\frac{1}{4}SE\frac{1}{4}$	Dom.
L-5083	$NW\frac{1}{4}NE\frac{1}{4}SW\frac{1}{4}$	Dom.
L-4891	$S\frac{1}{2}S\frac{1}{2}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-5702	Supply: $SW\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$ Return: $NW\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$	Air-Conditioning
L-6078	$SW\frac{1}{4}NW\frac{1}{4}$	stk.
L-220	$SE\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$	Mun.
L-6398	$NW\frac{1}{4}$	Dom.
L-6675.	$SW\frac{1}{4}SW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-6743	$NE\frac{1}{4}SW\frac{1}{4}SE\frac{1}{4}SW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-7550	$E\frac{1}{2}SW\frac{1}{4}$	Dom & Stk
L-7836	$NE\frac{1}{4}SW\frac{1}{4}$	DOM
L-8194	$SW\frac{1}{4}SE\frac{1}{4}$	DOM

Section 36	Township 18 South	Range 38 East
L-2223 & L-2223-A-A into L-2223	$NE\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$	Irr.
L-2223-B	NW	Withdrawn Mun.
L-2223-A		Mun.
L-2535	$NW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-2223-A-A into L-2223	$NW\frac{1}{4}$	Irr.

Section 2	Township 19 South	Range 38 East
L-2939	SW¼SW¼SW¼	Dom.
L-3010	NE¼NW¼NE¼	Dom.
L-48-C	S½N½NE¼NE¼	Irr.
L-195-A & L-1454-Enlgd.	NW¼NW¼NE¼ (CANCELLED)	Irr. NOT
L-946	SW¼NW¼NW¼	Mun.
L-3196	NE¼NE¼NW¼	Dom.
L-183	NW¼NW¼NE¼	Irr.
L-662	NE¼NW¼NE¼	Irr.
L-1354		Dom. & Stk.
L-1454		Irr.
L-1811		Dom.
L-1502		Dom.
L-1872		Dom.
L-2098		Irr. NOT

(over)

L-2220		Dom.
L-3402	SE¼NW¼NE¼	Dom.
L-3418	SE¼NW¼NE¼	Dom.
L-3535	N½NE¼SE¼	Dom.
L-3543	N½NE¼SE¼	Dom.
L-3679	East ½	Dom.
L-2511	NE¼NW¼SW¼	Dom.
L-2539	NW¼NW¼NE¼	Dom.
L-2541	NE¼NE¼NE¼	Dom.
L-2867	E½SE¼NE¼	Dom.
L-2882	NW¼SW¼NE¼	Dom.
L-3780	SE¼NE¼	Dom.
L-3942	NE¼NW¼NE¼	Dom.
L-3971	N½SW¼SW¼	Dom.
L-3997	NE¼NE¼	Dom.
L-4004	SW¼NW¼NE¼	Dom.
L-6164	NE¼NE¼SE¼	Dom

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Section 2	Township 19 South	Range 38 East
L-2037		Irr. NOT
L-4100	NE¼NE¼NE¼	Dom.
L-4190	NW¼NW¼NE¼	Dom.
L-4310	East ½	Dom.
L-48	NE¼	Irr.
L-48-A		Irr.
L-48-A-A	SW¼NE¼	Irr.
L-48-B	NE¼SW¼NE¼	Irr.
L-48-C		Irr.
L-50	NE¼NW¼	Irr.
L-4459	NE¼NE¼NE¼	Dom.
L-4527	NE¼NE¼NE¼	Dom.
L-4600	E½ Tract 8	Dom.
L-4698	NE¼NE¼NE¼	Dom.

(over)

L-4986	NE¼NE¼NE¼	Dom.
L-5155	SW¼SE¼NW¼	Dom.
L-5278	NE¼NE¼SE¼	Dom.
L-5485	SW¼SE¼NW¼	Dom.
L-5635	SW¼S½SW¼	Dom.
L-6086	NE¼NE¼SE¼	Dom.
L-6211	NW½NW¼	Dom.
L-6382	NW¼NE¼NE¼	Dom & Stk.
L-6697	N½NE¼SE¼	Domestic
L-6741	SW¼SE¼NE¼	Dom. & Stk.
L-6780	NW¼NE¼NE¼NE¼	Dom.
L-7000	SW¼	Observation
L-7001	SW¼	"
L-7002	SW¼	"
L-7052	NE¼NE¼	Dom.

III

SECTION 2 TOWNSHIP 19 South, RANGE 38 East

L-220-S-6	NE¼NE¼SW¼	MUN
L-220-S-7	SE¼SE¼SW¼	MUN
L-220-S-8-revised	NW¼SW¼SW¼	MUN
L-7502	NW¼NW¼NW¼	Dom. IRR

Section 3 Township 19 South Range 38 East

L-188	NW¼NE¼SE¼	Irr.
L-3084	Lot 9 Blk 20 So. Hts. Add. to Hobbs, SW¼(NE¼SE¼SW¼)	Dom.
L-947	SW¼NW¼NW¼	Mun.
L-1016	SE¼SE¼	Dom.
L-1172	E½NE¼SW¼	Dom.
L-1397		Dom.
L-1411		Ind.
L-1518		Dom.
L-1579		Dom.
L-1593		Dom.
L-1626		Dom.
L-3330	SW¼SE¼SE¼	Dom.
L-2175		Dom.
L-2320	(over)	Dom.
L-3416	SE¼SW¼SW¼	Dom.
L-2388	Lot 1, Blk 24	Dom.
L-3714	SE¼SW¼SE¼	Dom.
L-2570	SE¼SE¼SE¼	Dom.
L-2868	NW¼SE¼SE¼	OWD
L-3808	SE¼SW¼SE¼	Dom.
L-4181	SE¼SW¼	Dom.
L-4316	SE¼SW¼	Dom.
L-4317	SE¼SW¼	Dom.
L-4616	NE¼SE¼SW¼	Dom.
L-4635	NE¼NE¼NW¼	Dom.
L-5153	SW¼	Dom.
L-5642	SE¼SE¼	Dom.
L-5830	SW¼SW¼NE¼	Dom.
L-5936	SE¼SE¼NE¼	Dom.
L-6192	NE¼SW¼	Dom
L-6373	NW¼NE¼SW¼	Dom

Section 3	Township 19 S	Range 38 E
L-6390	SW¼SE¼	Domestic
L-6578	SE¼SE¼	Domestic
L-6669	SW¼SE¼SW¼	Domestic
L-6902	NW¼SW¼	Domestic
L-6941	NW¼SW¼	Domestic
L-7176	SW¼	Domestic
L-7297	SW¼SE¼SE¼	Dom & Stk
L-7522	SE¼NW¼NW¼	
L-7661	E½NE¼SW¼	Domestic
L-7758	NW¼NE¼SE Cor	DOM

Section 4	Township 19 South	Range 38 East
L-2982	SW¼SE¼NE¼	Dom.
L-241	NW¼NE¼	Irr.
L-937	Blk A-NEw Hobbs Add.	Ind.
L-1104	SE¼SW¼NE¼	Dom.
L-1105	NE¼ Lot 10-Blk 3	Dom.
L-1345		Dom.
L-1592		Dom.
L-2536	SW¼NE¼	OWD
L-5707	NE¼SE¼	Dom./
L-6097	SE¼NE¼	Dom.
L-7521	SW¼NW¼NE¼	
L-7540	NW¼NW¼NW¼	
L-227	NE¼NW¼NW¼	IND.
L-228	NW¼NE¼NW¼	IND
L-229	SW¼NW¼NW¼	IND
L-230	NE¼NE¼NW¼	IND
L-231	SW¼NE¼NW¼	IND
L-8158	SE¼SE¼NE¼	DOM
L-8200	SE¼SE¼	OWD
L-8317	SW¼NW¼NW¼	DTC

Section 5	Township 19 South	Range 38 East
L-2464	$NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-2966	$NE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-2985	$SW\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-2994	$SW\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$ or $NW\frac{1}{4}SE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-3082	$SE\frac{1}{4}NW\frac{1}{4}NE\frac{1}{4}$	Dom.
L-995	$NW\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}$	Dom.
L-1010	$NW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-3127	$NE\frac{1}{4}NW\frac{1}{4}NE\frac{1}{4}$	Dom.
L-1017	$SW\frac{1}{4}SE\frac{1}{4}ME\frac{1}{4}$	Dom.
L-1060	$SE\frac{1}{4}SE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-1071	$NE\frac{1}{4}SW\frac{1}{4}NE\frac{1}{4}$	Dom.
L-1115	$S\frac{1}{2}SE\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-1162	$SW\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-3223	$S\frac{1}{2}NE\frac{1}{4}$	Dom.
L-3245	$SE\frac{1}{4}$ $W\frac{1}{2}$ (over)	Dom.
L-1181		Dom.
L-1369		Dom.
L-2375	$NW\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-1418		Dom.
L-1432		Dom.
L-1513		Dom.
L-1520		Dom.
L-1583		Dom.
L-1941		Dom.
L-1971		Dom.
L-1998		Dom.
L-2005		Irr. NOT
L-2029		Dom.
L-2100		Dom.
L-3337		Dom.
L-2233		OWD
L-2263		Dom.

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Section 5	Township 19 South	Range 38 East
L-2590	$NE\frac{1}{4}SE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-2265		Dom.
L-2298		Dom.
L-2405	$NE\frac{1}{4}SW\frac{1}{4}NE\frac{1}{4}$	Dom.
L-2591	$SE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-2410	$NW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-2425	$SW\frac{1}{4}NE\frac{1}{4}$	Dom.
L-2560	$SW\frac{1}{4}SW\frac{1}{4}$ $NE\frac{1}{4}$	Dom.
L-2589	$NE\frac{1}{4}SE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-2594	$NE\frac{1}{4}$ Lot 2	Dom.
L-2646	$NE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-2736	$SE\frac{1}{4}NE\frac{1}{4}SW\frac{1}{4}NE\frac{1}{4}$	Dom.
L-1458	$S\frac{1}{2}NW\frac{1}{4}$	Irr.
L-2891	$S\frac{1}{2}$ Lot 1	Dom.
L-3183	$NE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$	Irr NOT
L-3747	$E\frac{1}{2}NW\frac{1}{4}$ (over)	Dom.
L-3760	$NE\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-3829	$SE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-3865	$NE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-3879	$NE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-3880	$NE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-3881	$E\frac{1}{2}NW\frac{1}{4}$	Dom.
L-3897	$E\frac{1}{2}NW\frac{1}{4}$	Dom.
L-4061	$E\frac{1}{2}NW\frac{1}{4}$	Dom.
L-4063	$SE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-4078	$S\frac{1}{2}NE\frac{1}{4}$	Dom.
L-4114	$NW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4141	$N\frac{1}{2}NW\frac{1}{4}$	Dom.
L-4204	$NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4203	$NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4202	$NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4215	$NE\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$	Dom.

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Section 5	Township 19 South	Range 38 East
L-4387	$SE\frac{1}{4}NW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-4423	$NE\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$	Ind. & Comm.
L-4528		Dom.
L-4612	$SE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-4657	$NE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4758	$NW\frac{1}{4}NW\frac{1}{4}NE\frac{1}{4}$	Dom.
L-4867	$SE\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}NE\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-5117	$SW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-5166	$NW\frac{1}{4}$	Dom.
L-5304	$NE\frac{1}{4}$	Dom.
L-5452	$SE\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-5474	$NW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-5560	$NE\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-5687	$SE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.

L-5777	$SW\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$	5-19-38	Dom.
L-5989	$S\frac{1}{2}SE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	5-19-38	Oil
L-6162	$SE\frac{1}{4}NE\frac{1}{4}$	5-19-38	Dom
L-6287	$SE\frac{1}{4}NE\frac{1}{4}$	5-19-38	Dom
L-6308	$NE\frac{1}{4}NW\frac{1}{4}$	5-19-38	Dom
L-6309	$SE\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$	5-19-38	Dom
L-6718	NW Cor.	5-19-38	Dom
L-6747	$SE\frac{1}{4}NW\frac{1}{4}$	5-19-38	Dom
L-6806	$SE\frac{1}{4}NE\frac{1}{4}$	5-19-38	Dom.
L-6938	$SE\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	5-19-38	Dom.
L-7043	$NW\frac{1}{4}$	5-19-38	Dom.
L-7104	$NE\frac{1}{4}$	5-19-38	Dom.
L-7207	$SW\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$	5-19-38	Dom.
L-7247	$NW\frac{1}{4}NE\frac{1}{4}$	5-19-38	Dom.
L-7393	$SE\frac{1}{4}NW\frac{1}{4}$	5-19=38	Dom.

SECTION 5 #4	TOWNSHIP 19 South	RANGE 38 East
L-7467	$SE\frac{1}{4}SE\frac{1}{4}$	Dom & Stk.
L-7537	$SE\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$	
L-7538	$SW\frac{1}{4}NW\frac{1}{4}NE\frac{1}{4}$	
L-7539	$SW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	
L-7608	$NE\frac{1}{4}SW\frac{1}{4}NE\frac{1}{4}$	Dom.
L-7625	$NW\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-7782	$NW\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$	DOM
L-7856	$NE\frac{1}{4}SW\frac{1}{4}$	DOM
L-7888	$SE\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$	DOM
L-8037	$SE\frac{1}{4}NW\frac{1}{4}$	DOM
L-8183	$NE\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$	DTC
L-8235	$NW\frac{1}{4}$	DOM & DTC
L-8649	$NE\frac{1}{4}$	DOM

Section 6	Township 19 South	Range 39 East
L-1098	$N\frac{1}{2}NE\frac{1}{4}NW\frac{1}{4}$	20 ac.
L-2438	$N\frac{1}{2}NE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-1098-B	$W\frac{1}{2}NE\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$, $E\frac{1}{2}NW\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$ and $E\frac{1}{2}W\frac{1}{2}NW\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$	$12\frac{1}{2}$ ac.
L-3429	$NW\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-2534	$NW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-3717	$N\frac{1}{2}N\frac{1}{2}NE\frac{1}{4}$	Irr.
L-3710	$NW\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$	Dom.
L-3931	$E\frac{1}{2}NE\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4322	~~$SE\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$~~ $NW\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4398	$NE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-4426.	$NW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4890	$W\frac{1}{2}N\frac{1}{2}$	Dom.
L-5228	$NE\frac{1}{4}NW\frac{1}{4}$	Irr.
L-4509	$NW\frac{1}{4}NW\frac{1}{4}SW\frac{1}{4}$	Dom

L-5890	$SW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-6062	$SW\frac{1}{4}NW\frac{1}{4}$	dom.
L-6089		dom & stk.
L-6114	$NW\frac{1}{4}$	Dom.
L-6217	$NE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Domestic
L-4322-Enlgd	$NW\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$	Irr.
L-6495	$SE\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$	Dom
L-4322-S	Widens $S\frac{1}{2}NW\frac{1}{4}$	Irrigation
L-7154	$N\frac{1}{2}SW\frac{1}{4}NE\frac{1}{4}$	Domestic
L-7268	$SW\frac{1}{4}$	Comm
L-7268-S	$SE\frac{1}{4}$	Comm

Section 6	Township 19 South	Range 38 East
L-2887	$SE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-4033	$NE\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	OWD
L-4426	$NW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$	Dom.
L-4868	$SE\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$	Dom.
L-6345	$NE\frac{1}{4}$	Dom & Stk.

Section 7	Township 19 South	Range 38 East
L-4208	NW¼NW¼NW¼	Dom.

Section 8	Township 19 South	Range 38 East
L-4138	NE¼NE¼SE¼	OWD

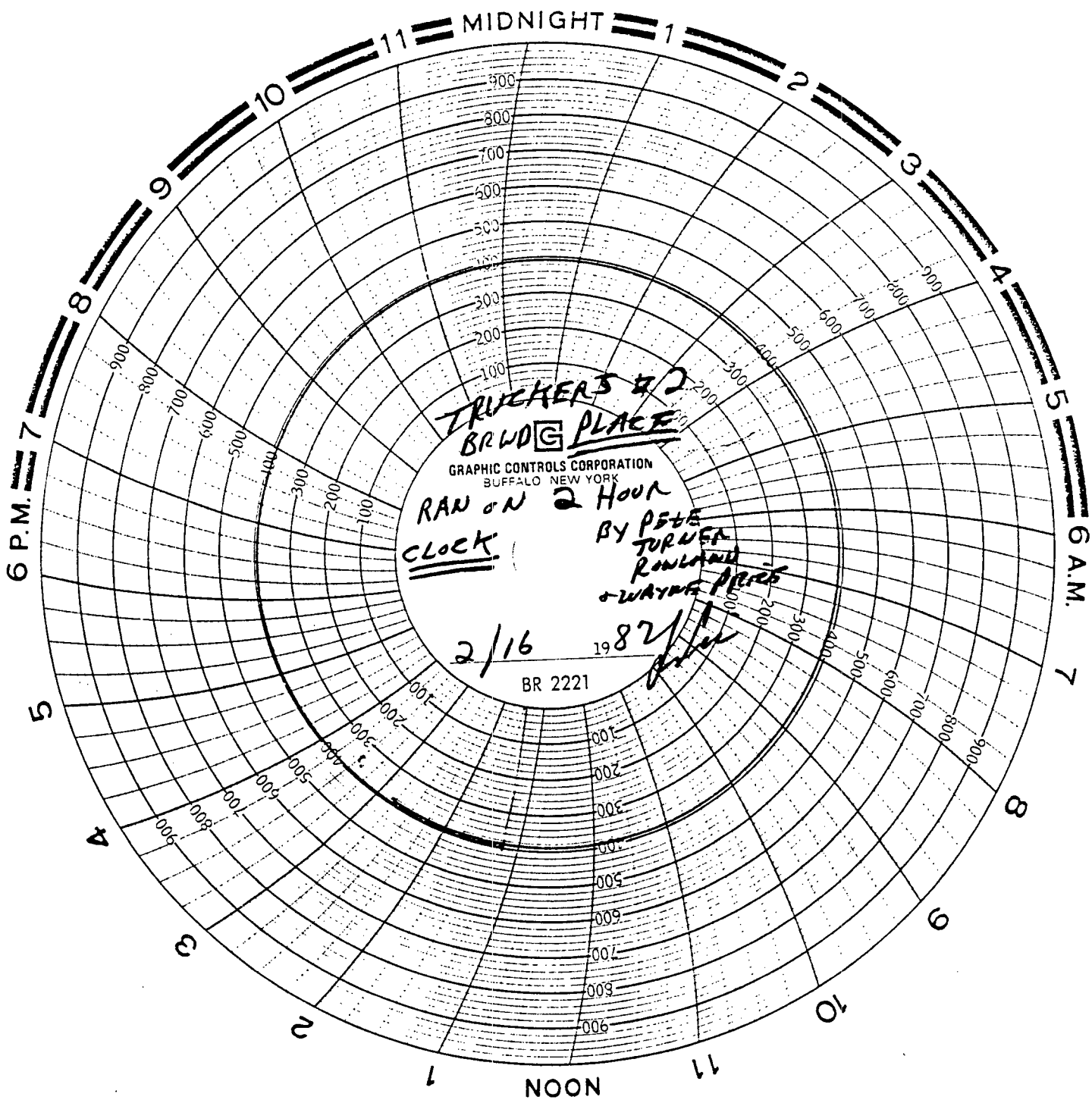
Section 9	Township 19 South	Range 38 East
L-2411	NE¼NE¼	OWD
L-6517	NE¼NE¼NE¼	Dom & Stk
L-269 & Enl. L-7242	Pt. NW¼ NE¼NE¼NE¼	Irr. Drink & Sa r

Section 10	Township 19 South	Range 38 East
L-532	SE¼SE¼NW¼	Irr.
L-3181	NE¼SW¼SW¼	OWD
L-1292		Dom.
L-2002		Irr. NC7
L-3342	NE¼NW¼NE¼	Dom.
L-2262		Irr. MTU
L-2640	Center NW¼SW¼	OWD
L-5677	~~NE¼NW¼NE¼~~	Irr.
L-6454	SW¼SE¼	Dom & Stk
L-6751	SW¼SE¼NW¼	Stock
L-7238	NE¼NW¼NE¼	Dom & Stk
L-5677	NW¼SW¼NE¼	Irr.
L-532-S	NW¼SW¼SE¼	Irr.
L-8167	NE¼NW¼NW¼	DTC.
	(overy)	
L-8375	SW¼SE¼NE¼	DOM

Section 11	Township 19 South	Range 38 East
L-3467	NW¼NW¼SE¼	Dom.
L-6196	SE¼NE¼	Dom & Stk
L-7817	SW¼NW¼	DOM
L-8422	SW¼NW¼SW¼	DTC
L-8740	W½NW¼	DTC
L-7817 is renumbered L-5677-A		
L-5677-A	SW¼NW¼	MUN

EXHIBIT #2

UNICHEM INTERNATIONAL



MECHANICAL INTEGRITY TEST - FEBRUARY 16, 1987
TRUCKERS #2 BRINE STATION
BROADWAY PLACE - HOBBS, NEW MEXICO

EXHIBIT #2

EXHIBIT #3

STATE OF NEW MEXICO

Revised 6-13-77

$50,000.00 BLANKET PLUGGING BOND

BOND NO. 4446488
(For Use of Surety Company)

(Note: File with Oil Conservation Commission, P. O. Box 2088, Santa Fe 87501)

KNOW ALL MEN BY THESE PRESENTS:

That Unichem International, Inc., et al. (~~An individual~~) (a partnership) (a corporation organized in the State of New Mexico, with its principal office in the city of Hobbs, State of New Mexico, and authorized to do business in the State of New Mexico), as PRINCIPAL, and HARTFORD ACCIDENT & INDEMNITY, a corporation organized and existing under the laws of the State of Connecticut, and authorized to do business in the State of New Mexico, as SURETY, are held firmly bound unto the State of New Mexico, for the use and benefit of the Oil Conservation Commission of New Mexico pursuant to Section 65-3-11, New Mexico Statutes Annotated, 1953 Compilation, as amended, in the sum of Fifty Thousand Dollars ($50,000.00) lawful money of the United States, for the payment of which, well and truly to be made, said PRINCIPAL and SURETY hereby bind themselves, their successors and assigns, jointly and severally, firmly by these presents.

The conditions of this obligation are such that:

WHEREAS, The above principal has heretofore or may hereafter enter into oil and gas leases, or carbon dioxide (CO_2) gas leases, or helium gas leases with the State of New Mexico; and

WHEREAS, The above principal has heretofore or may hereafter enter into oil and gas leases, or carbon dioxide (CO_2) gas leases, or helium gas leases on lands patented by the United States of America to private individuals, and on lands otherwise owned by private individuals; and

WHEREAS, The above principal, individually, or in association with one or more other parties, has commenced or may commence the drilling of wells to prospect for and produce oil or gas, or carbon dioxide (CO_2) gas or helium gas, or does own or may acquire, own or operate such wells, or such wells started by others on land embraced in said State oil and gas leases, or carbon dioxide (CO_2) gas leases, or helium gas leases, and on lands patented by the United States of America to private individuals, and on lands otherwise owned by private individuals, the identification and location of said wells being expressly waived by both principal and surety hereto.

NOW, THEREFORE, If the above bounden principal and surety or either of them or their successors or assigns, or any of them, shall plug all of said wells when dry or when abandoned in accordance with the rules, regulations and orders of the Oil Conservation Commission of New Mexico in such way as to confine the oil, gas, and water in the strata in which they are found, and to prevent them from escaping into other strata;

THEN, THEREFORE, This obligation shall be null and void; otherwise and in default of complete compliance with any and all of said obligations, the same shall remain in full force and effect.

PROVIDED, HOWEVER, That thirty (30) days after receipt by the Oil Conservation Commission of New Mexico of written notice of cancellation from the surety, the obligation of the surety hereunder shall terminate as to property or wells acquired, drilled, or started after said thirty (30) day period but shall continue in effect, notwithstanding said notice, as to property or wells theretofore acquired, drilled, or started.

EXHIBIT #3

UNICHEM INTERNATIONAL INC., et al
PRINCIPAL

P.O. Box 1499, Hobbs, N.M. 88240
Address

By William D. Walton
Signature

Vice President
Title

(Note: Principal, if corporation, affix corporate seal here.)

HARTFORD ACCIDENT & INDEMNITY CO.
SURETY

6061 S. Willow Dr., Englewood, Colo. 801
Address

By Pat Cargile
Attorney-in-Fact
Pat Cargile

(Note: Corporate surety affix corporate seal here.)

ACKNOWLEDGMENT FORM FOR NATURAL PERSONS

STATE OF _____)
COUNTY OF _____) ss.

On this _____ day of _____, 19____, before me personally appeared _____, to me known to be the person (persons) described in and who executed the foregoing instrument and acknowledged that he (they) executed the same as his (their) free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the day and year in this certificate first above written.

_____
Notary Public

_____
My Commission expires

ACKNOWLEDGMENT FORM FOR CORPORATION

STATE OF New Mexico)
COUNTY OF Lea) ss.

On this 26th day of October, 19 81, before me personally appeared William D. Walton, to me personally known who, being by me duly sworn, did say that he is Vice President of Unichem International, Inc., et al and that the foregoing instrument was signed and sealed on behalf of said corporation by authority of its board of directors, and acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the day and year in this certificate first above written.

Linda Andrews
Notary Public

4-21-82
My Commission expires

ACKNOWLEDGMENT FORM FOR CORPORATE SURETY

STATE OF New Mexico)
COUNTY OF Lea) ss.

On this 26th day of October, 19 81, before me appeared Pat Cargile, to me personally known, who, being by me duly sworn, did say that he is attorney in fact of HARTFORD ACCIDENT & INDEMNITY CO. and that the foregoing instrument was signed and sealed on behalf of said corporation by authority of its board of directors, and acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the day and year in this certificate first above written.

Linda Andrews
Notary Public

4-21-82
My Commission expires
(Note: Corporate surety attach power of attorney.)

APPROVED BY:
OIL CONSERVATION COMMISSION OF NEW MEXICO

By _____

Date _____

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

EXHIBIT #4 (Also refer to Exhibit 6)

All distances must be from the outer boundaries of the Section.

Operator	Lease	Well No.
Truckers Water Com	Brine lease	2

Unit Letter	Section	Township	Range	County
K	33	18S	38E	Lea

Actual Footage Location of Well:
198 feet from the south line and 1980 feet from the west line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3637	Salt		40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

*** Note: This is a salt mining lease only**

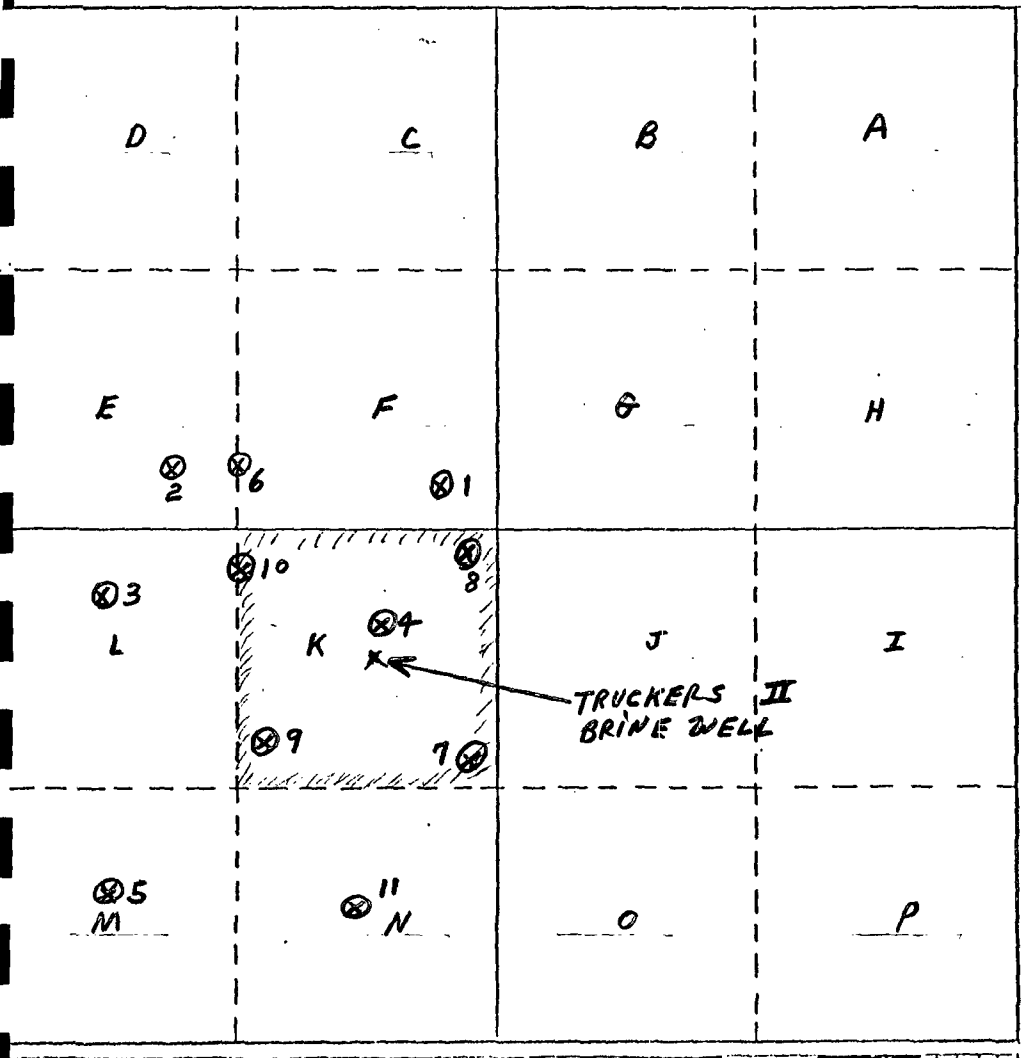
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) Formerly Conoco A-33 Well # 10 P & A 1-13-71

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

SEC 33 LW PRICE 8-31-87



CERTIFICATION

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

R D Brakey

Name
Vice President

Position
Unichem International, Inc.

Company

Date
1-16-80

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.

EXHIBIT #4

Section 33	Township 18 South	Range 38 East
L-143	SW¼NW¼SW¼	COM & IRR
L-2766	SE¼NE¼NE¼	Dom.
L-113	NE¼SE¼	Irr.
L-1701		Dom.
L-1196		Dom.
L-1786		Dom.
L-3299	NW¼SE¼SE¼	Dom.
L-2232		Dom.
L-2264		Dom.
L-2272		Dom.
L-2316		Dom.
L-2440	S½SW¼	Dom.
L-3729	NE¼SW¼	Dom.
L-4144	NE¼SW¼	Dom.
L-4362	E½W½NW¼ (over)	Dom.
L-4750	SE¼NE¼SW¼	Dom.
L-6186	SE¼NE¼	Dom.
L-6385	SW corner	Dom
L-6574(E)	SW¼SW¼NW¼	OWD
L-1268(E)	NE¼NW¼NE¼	OWD
L-2836	SW¼SW¼SE¼	Mun.
L-7523	NW¼SE¼SE¼	
L-8063	SE¼NE¼NE¼	DOM
L-8223	SW¼	DTC
L-8564	SW¼SW¼	DOM
L-8845	SW¼	DOM

Section 34	Township 18 South	Range 38 East
L-106	Lot 15, Blk 46 Orig Hobbs	Ind.
L-940	SW¼NE¼NW¼	Mun.
L-941	SW¼NE¼NW¼	Mun.
L-942	SW¼NE¼NE¼	Mun.
L-943	SW¼NE¼NW¼	Mun.
L-944	SW¼NE¼NW¼	Mun.
L-945	SW¼NE¼NW¼	Mun.
L-1082	NE¼NE¼NW¼	Dom.
L-1097	NE¼SW¼SE¼	Dom.
L-3159	NE¼NE¼SW¼	Dom.
L-3182	Lot 12, Blk 9 Albertson Sub-div.	Dom.
L-1340		Dom.
L-1635		Dom.
L-2097		Dom.
L-5357	SW¼NE¼SW¼ (over)	Dom.
L-2007		Mun.
L-2143		Dom.
L-2323		Dom.
L-2903	SE¼NE¼NW¼	Dom.
L-3573	SE Corner	Dom.
L-3916	NE¼NE¼	Dom.
L-3944	SE¼SW¼SE¼	Dom.
L-5749	NE¼NE¼SW¼	To Drill
L-6268	NE¼NE¼NE¼	Dom.
L-7524	SE¼NW¼NW¼	
L-7525	NE¼SE¼SW¼	
L-7541	SW¼NE¼NW¼	

EXHIBIT #5

EXHIBIT #5

EXHIBIT #6

(Cross-reference Exhibit #4)

TABULATION OF WELL HISTORY DATA
PERTAINING TO WELLS WITHIN AREA OF REVIEW

Listing #6-A: Unichem International Inc., Truckers #2

Sec 33, T18S, R38E
1980' FSL 1980' FWL
See area of review map for location--

Listing #1: Amoco Production Company, State G (Well #3)

Planned for salt water disposal-- P&A Unit F

Listing #2: Amoco Production Company, State G (Well #4)

P&A Unit E

Listing #3: Continental Oil Company, State A-33 (Well #8)

P&A Unit L

Listing #4: Penroc Oil Corporation, Conoco-State (Well #2)

Oil Well Unit K

Listing #5: Shell Western E&P, Inc., N Hobbs G/SA Unit (Well #141)

Oil Well Unit M

Listing #6: Shell Western E&P, Inc., N Hobbs G/SA Unit (Well #221)

Injection Unit F

Listing #7: Shell Western E&P, Inc., N Hobbs G/SA Unit (Well #234)

Oil Well Unit K

Listing #8: Shell Western E&P, Inc., N Hobbs G/SA Unit (Well #233)

Oil Well Unit K

EXHIBIT #6

EXHIBIT #6 (Continuation...)

Listing #9: Shell Western E&P, Inc., N Hobbs G/SA Unit (Well #232)

Injection Unit K

Listing #10: Shell Western E&P, Inc., N Hobbs G/SA Unit (Well #231)

Oil Well Unit K

Listing #11: Shell Western E&P, Inc., N Hobbs G/SA Unit (Well #241)

Oil Well Unit N

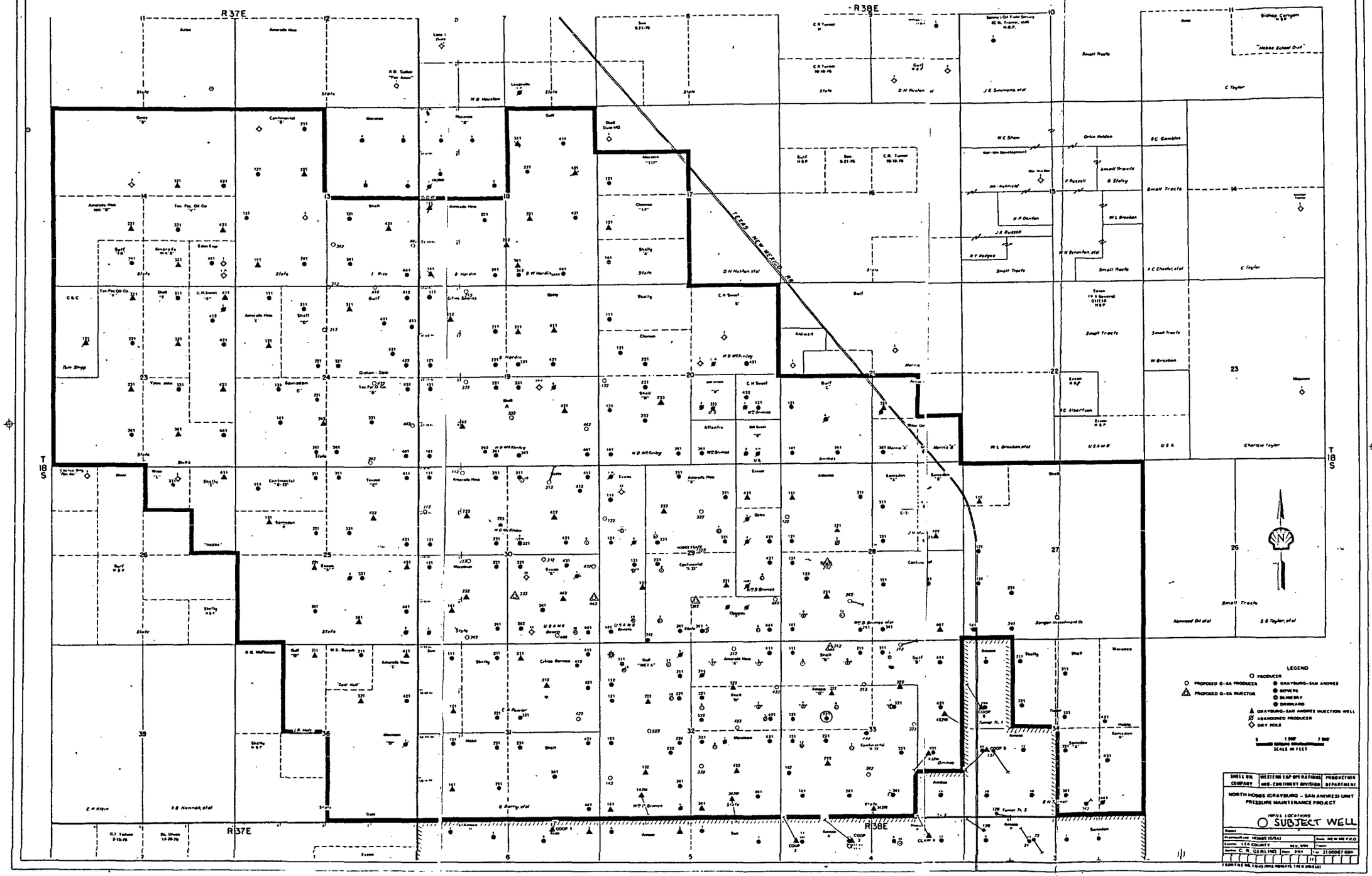

R37E
R38E
T 18 S
TEXAS-NEW MEXICO LINE
LEGEND
PRODUCER
PROPOSED G-SA PRODUCER
PROPOSED G-SA INJECTOR
GRAYBURG-SAN ANDRES
BONE SPRING
BLINEBRY
DRINKARD
GRAYBURG-SAN ANDRES INJECTION WELL
ABANDONED PRODUCER
DRY HOLE
SCALE IN FEET
SHELL OIL COMPANY
WESTERN E&P OPERATIONS MID-CONTINENT DIVISION
PRODUCTION DEPARTMENT
NORTH HOBBS (GRAYBURG - SAN ANDRES) UNIT
PRESSURE MAINTENANCE PROJECT
INFILL LOCATIONS
SUBJECT WELL
LEA COUNTY
NEW MEXICO
C. R. GERLING

EXHIBIT #6-A

Petroleum Information.

COUNTY LEA FIELD Water Supply STATE NM

OPR TRUCKERS WATER CO. API MN 07551

/O WS-2 LEASE Truckers Water Co. MAP

Sec 33, T18S, R38E CO-ORD

1980 FSL, 1980 FWL of Sec 12-4-18 NM

Hobbs Townsite RE SPD 8-15-80 RE CMP 9-15-80

CSC

9 5/8-296-200 sx

5 1/2-3195-1000 sx

WELL CLASS: INIT UX FIN U LSE. CODE

FORMATION	DATUM	FORMATION	DATUM

TD 3198 (SVRV) PBD 2935

(San Andres) Perfs 2060-2410; WATER SUPPLY WELL

CONTR OPRS ELEV 3644 DF PD 2600 WO

F.R. 7-21-80 OWWO
(Orig. Conoco, Inc., #10 State A-33, Cmp. 2-24-49 thru (Seven Rivers) Perfs 3148-56, OTD 3198, OPB 3195)
WATER SUPPLY WELL

12-22-80 TD 3198; PBD 2935; Complete
PB to 2935
Perf (San Andres) 2060-70, 2400-10
No Treatment Reported

12-27-80 COMPLETION ISSUED

12-4-18 NM
IC 30-025-70355-80

DISTRIBUTION
SANTA FE
FILE
U.S.G.S.
LAND OFFICE
TRANSPORTER OIL / GAS
OPERATOR
PRORATION OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

Operator
Unichem International, Inc.
Address
P. O. Box 1196, Eunice, New Mexico 88231

Reason(s) for filing (Check proper box)

- New Well [ ]
- Recompletion [ ]
- Change in Ownership [X]
- Change in Transporter of: Oil [ ] Dry Gas [ ] Casinghead Gas [ ] Condensate [ ]
- Other (Please explain)

If change of ownership give name and address of previous owner: Truckers Water Co., P. O. Box 1196, Eunice, New Mexico 88231

DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Truckers Water Co.	2		State, Federal or Fee State	

Location
Unit Letter K ; 1980 Feet From The South Line and 1980 Feet From The West

Line of Section 33 Township 18S Range 38E , NMPM, Lea County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil [ ] or Condensate [ ]	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas [ ] or Dry Gas [ ]	Address (Give address to which approved copy of this form is to be sent)

Well produces oil or liquids, location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When

If this production is commingled with that from any other lease or pool, give commingling order number:

COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.

Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations			Depth Casing Shoe

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

OIL WELL

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

A. E. Drake
(Signature)

Vice-Presidetn
(Title)

10-14-81
(Date)

OIL CONSERVATION COMMISSION

APPROVED OCT 29 1981, 19

BY Orig. Signed by Les Clements

TITLE Oil & Gas Insp.

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

NTA FE		
E		
U.S.G.S.		
AND OFFICE		
PERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Supersedes Old C-102 and C-103 Effective 1-1-65

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: Salt Mining Lease

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 —" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL [ ] GAS WELL [ ] OTHER- Salt Well

7. Unit Agreement Name:

1. Name of Operator: Truckers Water Co.

8. Farm or Lease Name: Truckers Water Co.

3. Address of Operator: P. O. Box 1196, Eunice, New Mexico 88231

9. Well No.: #2

4. Location of Well: UNIT LETTER K, 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE West LINE, SECTION 33 TOWNSHIP 18S RANGE 38E NMPM.

10. Field and Pool, or Wildcat:

15. Elevation (Show whether DF, RT, GR, etc.): 3637 Gr.

12. County: Lea

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	[ ]	PLUG AND ABANDON	[ ]	REMEDIAL WORK	[X]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]			COMMENCE DRILLING OPNS.	[ ]	PLUG AND ABANDONMENT	[ ]
PULL OR ALTER CASING	[ ]	CHANGE PLANS	[ ]	CASING TEST AND CEMENT JOB	[ ]		
OTHER	[ ]			OTHER			[ ]

17. Describe Proposed or Completed Operations (*Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work*) SEE RULE 1103.

Drilled plug from surface to 25', washed muddy water from 25' to 2600'. Went in hole and tagged cement plug at 2935', set 7000# wt. on plug at 2935'. Tested csg w/1000# for 30 minutes. Held OK. Rigged up Dresser Atlas and pert total of 20 holes from 2400 - 2410 and 20 holes 2060 - 2070. Baker loc - set PKR and set at 2100'. Pressured perfs at 2060 - 70 w/1500# and established circulation behind csg. Rigged down unit and started washing behind csg with fresh water. Max Press 1300# - min 3800#. Completed as a brine well.

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

SIGNED K D Bradley TITLE Vice-President DATE 12-1-80

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5A. Indicate Type of Lease: STATE [X] FEE [ ]

5. State Oil & Gas Lease No.: Salt Mining Lease

1a. Type of Work: DRILL [ ] DEEPEN [ ] PLUG BACK [ ]

b. Type of Well: OIL WELL [ ] GAS WELL [ ] OTHER Re-entry - salt well SINGLE ZONE [ ] MULTIPLE ZONE [ ]

7. Unit Agreement Name:

8. Farm or Lease Name: Truckers Water Co.

2. Name of Operator: Truckers Water Company

9. Well No.: 2

3. Address of Operator: P. O. Box 1196, Eunice, New Mexico 88231

10. Field and Pool, or Wildcat:

4. Location of Well: UNIT LETTER K LOCATED 1980 FEET FROM THE south LINE AND 1980 FEET FROM THE west LINE OF SEC. 33 TWP. 18S RGE. 38E NMPM

12. County: Lea

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
2600'	Salt	workover

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
3637' Gr	one well - new		7-16-80

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	9 5/8"		345'	200 sx	Circ
7 7/8"	5 1/2"		3195'	1000 sx	circ

Well was P & A 1-13-71 by spotting 40 sx over perfs 3148' - 3156', and 10 sx in top of 5 1/2" csg. Plan to drill top plug and wash to 2600'. Test csg w/1000# for 30 min. If test is OK, will run gamma ray log and tag top of bottom plug. Perforate 5 1/2" csg thru salt section, establish circulation between perforations and complete as a brine well

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed K O Braker Title Vice President Date 7-16-80

(This space for State Use)

APPROVED BY [signature] TITLE SUPERVISOR, DISTRICT I DATE JUL 18 1980

CONDITIONS OF APPROVAL, IF ANY:

THE REPRODUCTION OF

THE

FOLLOWING

DOCUMENT (S)

CANNOT BE IMPROVED

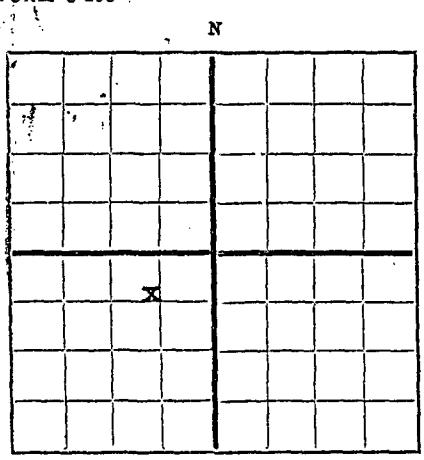
DUE TO

THE CONDITION OF

THE ORIGINAL

Log #5918

FORM C-105



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Continental Oil Company (Company or Operator) Box CC, Hobbs, New Mexico (Address)

State A-33 (Lease) Well No. 10 in SW/4 of Sec. 33, T. 18-S

R. 38-E, N. M. P. M., Bowers Field, Lea County.

Well is 3300 (1980) feet ~~south~~ N of the North line and 3300 (1980) feet ~~west~~ E of the East line of Sec. 33-18S-38E (S W)

If State land the oil and gas lease is No. ..... Assignment No. .....

If patented land the owner is ....., Address .....

If Government land the permittee is ....., Address .....

The Lessee is Continental Oil Company, Address Ponca City, Oklahoma

Drilling commenced February 9, 1949 Drilling was completed February 20, 1949

Name of drilling contractor Two States Drilling Company, Address Dallas, Texas

Elevation above sea level at top of casing 3644 feet.

The information given is to be kept confidential until ..... 19.....

OIL SANDS OR ZONES

No. 1, from ..... to ..... No. 4, from ..... to .....

No. 2, from ..... to ..... No. 5, from ..... to .....

No. 3, from ..... to ..... No. 6, from ..... to .....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from ..... to ..... feet. .....

No. 2, from ..... to ..... feet. .....

No. 3, from ..... to ..... feet. .....

No. 4, from ..... to ..... feet. .....

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
9-5/8	40	8 R	J-55	279'1"					
9-5/8	36	8 R	J-55	58'6"	T.P.				
5-1/2	14	8 R	J-55	1533'8"					
5-1/2	15.5	8 R	J-55	1677'7"	Guide				

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
12-1/4	9-5/8	345'	200	HOWC Co.		
7-7/8	5-1/2	3195'	1000	HOWC Co.		

PLUGS AND ADAPTERS

Heaving plug—Material..... Length..... Depth Set.....

Adapters — Material..... Size.....

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT

Results of shooting or chemical treatment.....

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from 0 feet to 3198 feet, and from ..... feet to ..... feet

Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

PRODUCTION

Put to producing February 24, 1949

The production of the first 24 hours was 144 barrels of fluid of which 100 % was oil 0 % emulsion; 0 % water; and 0 % sediment. Gravity, Be 43°

If gas well, cu. ft. per 24 hours..... Gallons gasoline per 1,000 cu. ft. of gas.....

Rock pressure, lbs. per sq. in.....

EMPLOYEES

C. V. Parker, Driller S. H. Partee, Driller

C. E. Simpson, Driller M. L. Steele, Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 21st day of March, 1949

Hobbs, New Mexico (Place) 3-21-49 (Date)

Name .....

FROM	TO	THICKNESS IN FEET	FORMATION

FORMATION RECORD

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	200	200	Surface sand
200	1325	1125	Red bed
1325	1440	115	Red bed and shells
1440	1620	180	Anhydrite and gyp
1620	1625	5	Anhydrite
1625	2435	810	Salt and shells
2435	2510	75	Salt, shells and anhydrite
2510	2635	125	Anhydrite and gyp
2635	3148	513	Anhydrite
3148	3156	8	Sand
3156	3182	26	Anhydrite
3182	3188	6	Sand
3188	3198	10	Anhydrite and lime.

Well was drilled to 3198' in anhydrite and lime.
Well was not shot
Well was not acidized.
Casing was perforated 3148' to 3156' with 32 shots.
Completed for initial potential of 144 barrels oil, no water, in 24 hours, based on 6-hour test of 36 barrels oil, no water, flowing through 18/64" choke on 2" tubing, with 69 MCF gas, GOR 479, casing pressure 600#, tubing pressure 400#.
Pay: Bowers from 3148' to 3156'.
Gravity of oil: 43 degrees.
Pipe Line Connection: Humble Pipe Line Company
Derrick floor: 10' above ground.
Date total depth reached: 2-20-49.
Date completion test: 2-24-49

Copies to: Orig/2 N.M.O.C.C.
HLJ-2 NM District Foreman File

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State [X] Fee [ ]

5. State Oil & Gas Lease No.
B-2656

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 –" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL [X] GAS WELL [ ] OTHER-

7. Unit Agreement Name

2. Name of Operator
Continental Oil Company

8. Farm or Lease Name
State A-33

3. Address of Operator
Box 460, Hobbs, New Mexico

9. Well No.
10

4. Location of Well
UNIT LETTER K, 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE West LINE, SECTION 33 TOWNSHIP 18-S RANGE 38-E NMPM.

10. Field and Pool, or Wildcat
Bowers 7 Rivers Queen

15. Elevation (Show whether DF, RT, GR, etc.)
3634' DF

12. County
Lea

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

NOTICE OF INTENTION TO:

- PERFORM REMEDIAL WORK [ ]
- PLUG AND ABANDON [ ]
- TEMPORARILY ABANDON [ ]
- PULL OR ALTER CASING [ ]
- CHANGE PLANS [ ]
- OTHER ______ [ ]

SUBSEQUENT REPORT OF:

- REMEDIAL WORK [ ]
- ALTERING CASING [ ]
- COMMENCE DRILLING OPNS. [ ]
- PLUG AND ABANDONMENT [X]
- CASING TEST AND CEMENT JOB [ ]
- OTHER ______ [ ]

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

This well was plugged an abandoned by the following procedure.

Set a 40 sx cmt. plug over perfs from 3148' to 3156'. Filled well bore with 10# mud + spotted a 10 sx cmt. plug at surface. Capped well with dry hole marker. Work started and completed on 1-13-71. Left 5½" 14# casing in hole from surface to 3198'.

NMOCC-3 File

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

SIGNED [signature] TITLE Administrative Section Chief DATE 2-3-71

APPROVED BY Johnny Runyan TITLE Geologist DATE MAR 22 1971

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No. B-2656

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 —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL [X] GAS WELL [ ] OTHER-

7. Unit Agreement Name

2. Name of Operator: Continental Oil Company

8. Farm or Lease Name: STATE A-33

3. Address of Operator: Box 460, Hobbs, New Mexico

9. Well No. 10

4. Location of Well: UNIT LETTER K, 1980 FEET FROM THE SOUTH LINE AND 1980 FEET FROM THE WEST LINE, SECTION 33 TOWNSHIP 18-S RANGE 38-E NMPM

10. Field and Pool, or Wildcat: Bowers Queen

15. Elevation (Show whether DF, RT, GR, etc.): 3634' DF

12. County: Lea

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [X]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER [ ]	

13. Describe Proposed or Completed Operations (*Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work*) SEE RULE 1103.

It is proposed to plug & abandon this well by the following procedures.

Spot a 25 sx cmt plug from TD (3198') to cover perfs from 3148' to 3156'. Fill well with 10 ft. mud & place a 10 sx cmt plug at surface. Cap with dry hole marker & restore location.

NMOCC 3

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

SIGNED M E Hendrix TITLE Administrative Section Chief DATE 12-2-70

APPROVED BY [signature] TITLE [illegible] DATE DEC [illegible]

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION — Form C-110
SANTA FE, NEW MEXICO — Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Company or Operator Continental Oil Company Lease State A-33

Well No. [illegible] Unit Letter K S 35 T [illegible] R [illegible] Pool [illegible]

County Lea Kind of Lease (State, Fed. or Patented) State

If well produces oil or condensate, give location of tanks: Unit ____ S ____ T ____ R ____

Authorized Transporter of Oil or Condensate Shell Pipe Line Corp.

Address Hobbs, N.M.

(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas Phillips Pet. Company

Address Hobbs, N.M.

(Give address to which approved copy of this form is to be sent)

If Gas is not being sold, give reasons and also explain its present disposition:

Reasons for Filing: (Please check proper box) New Well ( )

Change in Transporter of (Check One): Oil (X) Dry Gas ( ) C'head ( ) Condensate ( )

Change in Ownership ( ) Other ( )

Remarks: (Give explanation below)

To change transporter from Humble Pipe Line Co. to Shell Pipe Line Corp. effective 1-1-56.

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the [illegible] day of [illegible] 19[illegible]

By R. J. Kellerman

Approved ____ 19__

Title District Superintendent

OIL CONSERVATION COMMISSION

Company Continental Oil Company

By [signature]

Address Box 427, Hobbs, N.M.

Title ____

DUPLICATE

Form C-110

OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO

RECEIVED
JUL 7 1949
HOBBS OFFICE

CERTIFICATE of COMPLIANCE and AUTHORIZATION to TRANSPORT OIL

Company or Operator _____ Lease _____

Address _____ _____
(Local or Field Office) (Principal Place of Business)

Unit_____ Wells No._____ Sec._____ T_____ R_____Field _____ County _____

Kind of Lease _____Location of Tanks _____

Transporter _____Address of Transporter _____
(Local or Field Office)

_____Percent of oil to be transported_____. Other transporters author-
(Principal Place of Business)

ized to transport oil from this unit are_____ _____%

REMARKS:

The undersigned certifies that the rules and regulations of the Oil Conservation Commission have been complied with except as noted above and that gathering agent is authorized to transport the percentage of oil produced from the above described property and that this authorization will be valid until further notice to the transporter named herein or until cancelled by the Oil Conservation Commission of New Mexico.

Executed this the_____ day of_____, 194____

_____
(Company or Operator)

By _____

Title _____

State of _____
} ss.
County of _____

Before me, the undersigned authority, on this day personally appeared _____ known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein and that said report is true and correct.

Subscribed and sworn to before me, this the_____day of _____, 194__

J. L. McCormick

Notary Public in and for_____County, _____

Approved: July 7 1949

OIL CONSERVATION COMMISSION

By Ray P. Graham

OIL & GAS INSPECTOR

(See Instructions on Reverse Side)

OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO

Form C-116

RECEIVED
JUL 7 1949
OIL CONSERVATION COMMISSION
HOBBS OFFICE

CERTIFICATE of COMPLIANCE and AUTHORIZATION to TRANSPORT OIL

Company or Operator _____ Lease _____

Address _____ _____
(Local or Field Office) (Principal Place of Business)

Unit_____ Wells No._____ Sec._____ T_____ R_____ Field _____ County _____

Kind of Lease _____ Location of Tanks _____

Transporter _____ Address of Transporter _____
(Local or Field Office)

_____ Percent of oil to be transported_____. Other transporters author-
(Principal Place of Business)

ized to transport oil from this unit are_____ _____%

REMARKS:

The undersigned certifies that the rules and regulations of the Oil Conservation Commission have been complied with except as noted above and that gathering agent is authorized to transport the percentage of oil produced from the above described property and that this authorization will be valid until further notice to the transporter named herein or until cancelled by the Oil Conservation Commission of New Mexico.

Executed this the_____ day of_____, 194_____

_____
(Company or Operator)

By _____

Title _____

tate of _____ }
ss.
)unty of _____ }

Before me, the undersigned authority, on this day personally appeared _____)wn to me to be the person whose name is subscribed to the above instrument, who being by me y sworn on oath states that he is authorized to make this report and has knowledge of the facts ed herein and that said report is true and correct.

Subscribed and sworn to before me, this the_____day of _____, 194__

_____

Notary Public in and for_____County, _____

)ved: _____ 194_____

ONSERVATION COMMISSION

_____

OIL & GAS INSPECTOR

(See Instructions on Reverse Side)

Form C-110

OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO

CERTIFICATE of COMPLIANCE and AUTHORIZATION to TRANSPORT OIL

RECEIVED JUL 7 1949 OIL CONSERVATION COMMISSION HOBBS, NEW MEXICO OFFICE

Company or Operator _____ Lease _____

Address _____ _____, Oklahoma
(Local or Field Office) (Principal Place of Business)

Unit _____ Wells No. _____ Sec. _____ T _____ R _____ Field _____ County Lea

Kind of Lease _____ Location of Tanks _____

Transporter _____ Address of Transporter _____
(Local or Field Office)

_____ Percent of oil to be transported _____. Other transporters author-
(Principal Place of Business)

ized to transport oil from this unit are _____ _____%

REMARKS:

The undersigned certifies that the rules and regulations of the Oil Conservation Commission have been complied with except as noted above and that gathering agent is authorized to transport the percentage of oil produced from the above described property and that this authorization will be valid until further notice to the transporter named herein or until cancelled by the Oil Conservation Commission of New Mexico.

Executed this the _____ day of _____, 194_

_____
(Company or Operator)

By _____

Title _____

State of _____ }
County of _____ } ss.

Before me, the undersigned authority, on this day personally appeared _____ known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein and that said report is true and correct.

Subscribed and sworn to before me, this the _____ day of February, 194_

_____

Notary Public in and for _____ County, _____

Approved: _____ 194_

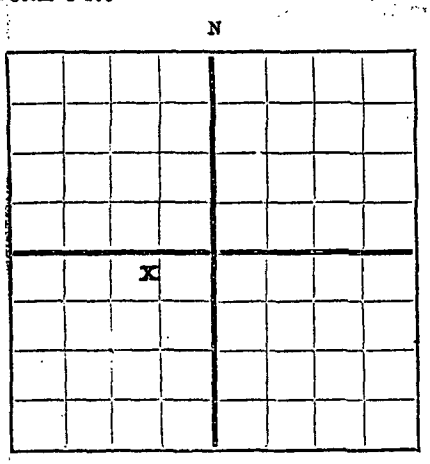
OIL CONSERVATION COMMISSION

By _____

OIL & GAS INSPECTOR

(See Instructions on Reverse Side)

FORM C-105



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

RECEIVED
APR
HOBBS

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Continental Oil Company — Company or Operator — Box CC, Hobbs, New Mexico — Address

State A-33 — Lease — 10 — Well No. — SW/4 — in — 33 — of Sec. — 18-S — T. — 38-E — R.

Bowers — Lease — 3300 — feet south of the North line and — 3300 — feet west of the East line of — Lea — County.

Field, Sec. 33-18S-38E

If State land the oil and gas lease is No. ..... Assignment No. .....

If patented land the owner is ..... Address .....

If Government land the permittee is ..... Address .....

The Lessee is Continental Oil Company Address Ponca City, Oklahoma

Drilling commenced February 9, 19 49 Drilling was completed February 20, 19 49

Name of drilling contractor Two States Drilling Company Address Dallas, Texas

Elevation above sea level at top of casing 3644 feet.

The information given is to be kept confidential until ..... 19 .....

OIL SANDS OR ZONES

No. 1, from ..... to ..... No. 4, from ..... to .....

No. 2, from ..... to ..... No. 5, from ..... to .....

No. 3, from ..... to ..... No. 6, from ..... to .....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from ..... to ..... feet. .....

No. 2, from ..... to ..... feet. .....

No. 3, from ..... to ..... feet. .....

No. 4, from ..... to ..... feet. .....

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
9-5/8	40	8 R	J-55	279'1"					
9-5/8	36	8 R	J-55	58'6"	T.P.				
5-1/2	14	8 R	J-55	1533'8"					
5-1/2	15.5	8 R	J-55	1677'7"	Guide				

12-1/4	9-5/8	345'	200	HOWC Co.		
7-7/8	5-1/2	3195'	1000	HOWC Co.		

PLUGS AND ADAPTERS

Heaving plug—Material..... Length..... Depth Set.....

Adapters — Material..... Size.....

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT

Results of shooting or chemical treatment.....

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from 0 feet to 3198 feet, and from ..... feet to ..... feet

Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

PRODUCTION

Put to producing February 24, 1949

The production of the first 24 hours was 144 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, Be 43°

If gas well, cu. ft. per 24 hours..... Gallons gasoline per 1,000 cu. ft. of gas.....

Rock pressure, lbs. per sq. in.....

EMPLOYEES

C. V. Parker, Driller — S. H. Partee, Driller

C. E. Simpson, Driller — M. L. Steele, Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 21st day of March, 1949

J. P. McCormick
Notary Public

My Commission expires 5-17-49

Hobbs, New Mexico (Place) 3-21-49 (Date)

Name [signature]

Position District Superintendent

Representing Continental Oil Company
(Company or Operator)

Address Box CC, Hobbs, New Mexico

200	1325	1125	Red bed
0	200	200	Surface sand

FORMATION — IN FEET

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	200	200	Surface sand
200	1325	1125	Red bed
1325	1440	115	Red bed and shells
1440	1620	180	Anhydrite and gyp
1620	1625	5	Anhydrite
1625	2435	810	Salt and shells
2435	2510	75	Salt, shells and anhydrite
2510	2635	125	Anhydrite and gyp
2635	3148	513	Anhydrite
3148	3156	8	Sand
3156	3182	26	Anhydrite
3182	3188	6	Sand
3188	3198	10	Anhydrite and lime.

Well was drilled to 3198' in anhydrite and lime.
Well was not shot
Well was not acidized.
Casing was perforated 3148' to 3156' with 32 shots.
Completed for initial potential of 144 barrels oil, no water, in 24 hours, based on 6-hour test of 36 barrels oil, no water, flowing through 18/64" choke on 2" tubing, with 69 MCF gas, GOR 479, casing pressure 600#, tubing pressure 400#.
Pay: Bowers from 3148' to 3156'.
Gravity of oil: 43 degrees.
Pipe Line Connection: Humble Pipe Line Company
Derrick floor: 10' above ground.
Date total depth reached: 2-20-49.
Date completion test: 2-24-49

Well was drilled to 3198' in anhydrite and lime.
Well was not shot
Well was not acidized.
Casing was perforated 3148' to 3156' with 32 shots.
Completed for initial potential of 144 barrels oil, no water, in 24 hours, based on 6-hour test of 36 barrels oil, no water, flowing through 18/64" choke on 2" tubing, with 69 MCF gas, GOR 479, casing pressure 600#, tubing pressure 400#.
Pay: Bowers from 3148' to 3156'.
Gravity of oil: 43 degrees.
Pipe Line Connection: Humble Pipe Line Company
Derrick floor: 10' above ground.
Date total depth reached: 2-20-49.
Date completion test: 2-24-49

Copies to: Orig/2 N.M.O.C.C.
HLJ-2 HM District Foreman File

Form C-103

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

RECEIVED FEB HOBBS OFFICE

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

Date ____________ Place ____________

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO
Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the ____________

____________ (Company or Operator) ____________ (Lease) Well No. ______ in the ______ of Sec. ______, T. ______, R. ______, N. M. P. M., ______ Field, ______ County.

The dates of this work were as follows: ____________

Notice of intention to do the work was (was not) submitted on Form C-102 on ____________ 19____

and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Witnessed by ____________ Name ____________ Company ____________ Title

Subscribed and sworn before me this ______ day of ______ 19____

____________ Notary Public

My commission expires ____________

I hereby swear or affirm that the information given above is true and correct.

Name ____________

Position ____________

Representing ____________ Company or Operator

Address ____________

Remarks:

APPROVED

Date ____________

____________ Name

____________ Title

Form C-103

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

Date Place

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO
Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the _____ Company or Operator _____ Well No. _____ in the _____ Lease _____ of Sec. _____, T. _____, R. _____, N. M. P. M., _____ Field, _____ County.

The dates of this work were as follows: _____

Notice of intention to do the work was (was not) submitted on Form C-102 on _____ 19____ and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Witnessed by _____
Name Company Title

Subscribed and sworn before me this _____ day of _____ 19____

J. L. McCormick
Notary Public

My commission expires _____

I hereby swear or affirm that the information given above is true and correct.

Name _____

Position _____

Representing _____
Company or Operator

Address _____

Remarks:

Roy Yarbrough
Name

Title

APPROVED

Form C-101

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

NOTICE OF INTENTION TO DRILL

Notice must be given to the Oil Conservation Commission or its proper agent and approval obtained before drilling begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission.

February 2, 19[illegible]

Place Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico,

Gentlemen:

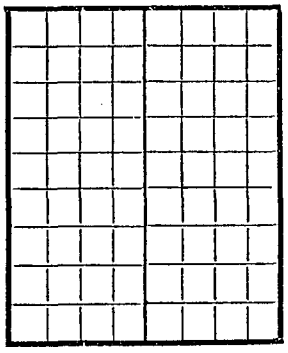
You are hereby notified that it is our intention to commence the drilling of a well to be known as _____

_____ Well No. _____ in SW/4

Company or Operator Lease

of Sec. _____, T. _____, R. _____, N. M., P. M., _____ Field, Lea County.

N



AREA 640 ACRES

LOCATE WELL CORRECTLY

The well is _____ feet (N.) (S.) of the [illegible] line and 1980 feet (E.) (W.) of the _____ line of [illegible] 33 12S 38E

(Give location from section or other legal subdivision lines. Cross out wrong directions.)

If state land the oil and gas lease is No. _____ Assignment No. _____

If patented land the owner is _____

Address _____

If government land the permittee is _____

Address _____

The lessee is [illegible]

Address _____

We propose to drill well with drilling equipment as follows: _____

The status of a bond for this well in conformance with Rule 39 of the General Rules and Regulations of the Commission is as follows: _____

We propose to use the following strings of casing and to land or cement them as indicated:

Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	Sacks Cement
					Cemented	250
					Cemented	800

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about _____ feet.

Additional information:

Approved FEB 3 1949, 19__

except as follows: Cement must return to top of salt section on 5½ casing

OIL CONSERVATION COMMISSION,

By [illegible]

Title _____

Sincerely yours,

[illegible]

Company or Operator

By _____

Position _____

Send communications regarding well to

Name _____

Address _____

#1

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OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease 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 —" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL [X] GAS WELL [ ] OTHER-

7. Unit Agreement Name

2. Name of Operator
Amoco Production Company

8. Farm or Lease Name
STATE G

3. Address of Operator
BOX 68, HOBBS, N. M. 88240

9. Well No.
3

4. Location of Well
UNIT LETTER F, 2285 FEET FROM THE NORTH LINE AND 2310 FEET FROM THE WEST LINE, SECTION 33 TOWNSHIP 18-S RANGE 38-E NMPM.

10. Field and Pool, or Wildcat
BOWERS

15. Elevation (*Show whether DF, RT, GR, etc.*)
3652' DF

12. County
LEA

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [X]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER [ ]	

17. Describe Proposed or Completed Operations (*Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work*) SEE RULE 1103.

Well P&A as follows:
Loaded hole w/ mud.
25 Sx cement plug - 3208 - 3100' (open hole) and back into 5½" @ 3100'
10 Sx cement plug @ surface and erected P & A marker. P&A Comp 3-11-71.
Made final cleanup and restored ground to contour.

TD - 3208
9 5/8" CSA 462' w/ Cement Circ
5½" CSA 3100' " " "

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

SIGNED [signature] TITLE AREA SUPERINTENDENT DATE MAR 29 1971

APPROVED BY [signature] TITLE Geologist DATE MAY 6 1971

CONDITIONS OF APPROVAL, IF ANY:

+ 2 NMOCC, Hobbs
1 - W7 Specials
1 - Acct
1 - SUSD
1 - RRL

DUPLICATE

Form C-101

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

RECEIVED OCT 27 1948 HOBBS OFFICE

NOTICE OF INTENTION TO DRILL

Notice must be given to the Oil Conservation Commission or its proper agent and approval obtained before drilling begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission.

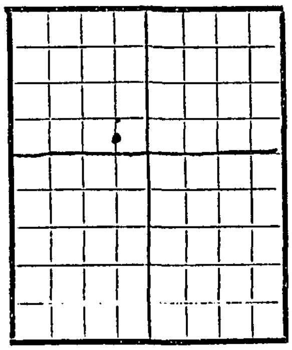
Hobbs, New Mexico (Place) — October 26, 1948 (Date)

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico,

Gentlemen:

You are hereby notified that it is our intention to commence the drilling of a well to be known as Stanolind Oil and Gas Company (Company or Operator) State "G" (Lease) Well No. 3 in of Sec. 33, T 18, R 38, N. M., P. M., Bowers Field, Lea County.

N



AREA 640 ACRES

LOCATE WELL CORRECTLY

The well is 2285 feet (N.) (S.) of the North line and 2310 feet (E.) (W.) of the West line of Sec. 33-18-38

(Give location from section or other legal subdivision lines. Cross out wrong directions.)

If state land the oil and gas lease is No. A-1373 Assignment No. ____

If patented land the owner is ____

Address ____

If government land the permittee is ____

Address ____

The lessee is Stanolind Oil and Gas Company

Address Box 591; Tulsa, Oklahoma

We propose to drill well with drilling equipment as follows: Rotary tools from surface to 3200'.

The status of a bond for this well in conformance with Rule 39 of the General Rules and Regulations of the Commission is as follows: On file with the Commission.

We propose to use the following strings of casing and to land or cement them as indicated:

Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	Sacks Cement
12"	9-5/8"	32.3	New	300	Cemented	250
7-3/8	5-1/2"	14 & 15.5	New	3100	Cemented	900 3% Gel 100 Neat

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about 3143 feet.

Additional information:

Approved OCT 27 1948, 19__
except as follows:

Sincerely yours,

Stanolind Oil and Gas Company
Company or Operator

By [signature]

Position Production Foreman

OIL CONSERVATION COMMISSION,

By Roy Yarbrough [signature]

Title Oil & Gas Inspector

Send communications regarding well to

Name Ralph L. Hendrickson

Address Box F, Hobbs, New Mexico

#2

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LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State [X] Fee [ ]

5. State Oil & Gas Lease 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 –" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL [X] GAS WELL [ ] OTHER-

7. Unit Agreement Name

2. Name of Operator
Amoco Production Company

8. Farm or Lease Name
STATE G

3. Address of Operator
BOX 68, HOBBS, N. M. 88240

9. Well No.
4

4. Location of Well
UNIT LETTER E , 2310 FEET FROM THE NORTH LINE AND 990 FEET FROM THE WEST LINE, SECTION 33 TOWNSHIP 18-S RANGE 38-E NMPM.

10. Field and Pool, or Wildcat
BOWERS

15. Elevation (*Show whether DF, RT, GR, etc.*)
3649' R. D. B.

12. County
LEA

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK [ ] PLUG AND ABANDON [ ]
TEMPORARILY ABANDON [ ]
PULL OR ALTER CASING [ ] CHANGE PLANS [ ]
OTHER [ ]

SUBSEQUENT REPORT OF:

REMEDIAL WORK [ ] ALTERING CASING [ ]
COMMENCE DRILLING OPNS. [ ] PLUG AND ABANDONMENT [X]
CASING TEST AND CEMENT JOB [ ]
OTHER [ ]

17. Describe Proposed or Completed Operations (*Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work*) SEE RULE 1103.

On 3-9-71 well P+A as follows:
Loaded hole w/ mud.
25 Sx cement plug across open hole 3210-3108
and back into 5½".
10 sx @ surface & erect P+A marker.
Made final cleanup and restored ground
to contour.

TD- 3210
10¾" CSA 448' - Circ.
5½" CSA 3108 - Circ.

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

SIGNED ____________ TITLE AREA SUPERINTENDENT DATE MAR 2 9 1971

0+2- NMOCC-H
1- WJ Spence
1- AG Jr.
1- Sus P
1- RRY

APPROVED BY John W. Runyan TITLE Geologist DATE MAY 6 1971

CONDITIONS OF APPROVAL, IF ANY:

Form C-101 NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

RECEIVED OCT 13 1949

NOTICE OF INTENTION TO DRILL

Notice must be given to the Oil Conservation Commission or its proper agent and approval obtained before drilling begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission.

Hobbs, New Mexico (Place) October 17, 1949 (Date)

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico,

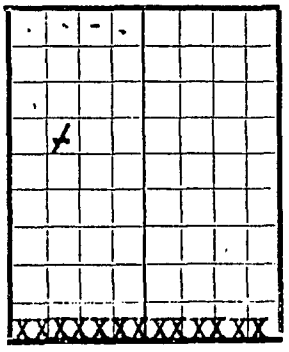
Gentlemen:

You are hereby notified that it is our intention to commence the drilling of a well to be known as

Stanolind Oil and Gas Company (Company or Operator) State "G" (Lease) well No. 4 in NW/4

of Sec. 33, T. 18-S, R. 38-E, N. M., P. M., Bowers Field, Lea County.

N



AREA 640 ACRES

LOCATE WELL CORRECTLY

The well is 2310 feet (N.) (S.) of the North line and 990 feet (E.) (W.) of the West line of Section 33-18-38

(Give location from section or other legal subdivision lines. Cross out wrong directions.)

If state land the oil and gas lease is No. A-1373 Assignment No.

If patented land the owner is

Address

If government land the permittee is

Address

The lessee is Stanolind Oil and Gas Company

Address Box 591, Tulsa, Oklahoma

We propose to drill well with drilling equipment as follows:

Rotary tools from surface to 3200'

The status of a bond for this well in conformance with Rule 39 of the General Rules and Regulations of the Commission is as follows: On file with the commission.

We propose to use the following strings of casing and to land or cement them as indicated:

Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	Sacks Cement
13-3/4"	10-3/4"	40.5#	New	450'	Cemented	250 sx
7-3/8"	5-1/2"	14 & 15.5#	New	3100'	"	1000 sx

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about 3183 feet.

Additional information:

Approved OCT 19 1949, 19

except as follows:

OIL CONSERVATION COMMISSION,

By Ray Yurkoski

Title

Sincerely yours,

Stanolind Oil and Gas Company
Company or Operator

By W. Herndon

Position Production Foreman

Send communications regarding well to:

Name Ralph L. Hendrickson

Address Box F, Hobbs, New Mexico

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LAND OFFICE		
OPERATOR		

#3

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: B-2656

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 —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL [X] GAS WELL [ ] OTHER-

7. Unit Agreement Name:

2. Name of Operator: Continental Oil Company

8. Farm or Lease Name: State A-33

3. Address of Operator: Box 460, Hobbs, New Mexico

9. Well No.: 8

4. Location of Well: UNIT LETTER L, 2060 FEET FROM THE South LINE AND 660 FEET FROM THE West LINE, SECTION 33 TOWNSHIP 18-S RANGE 38-E NMPM

10. Field and Pool, or Wildcat: Bowers 7 Rivers Queen

15. Elevation (Show whether DF, RT, GR, etc.): 3646' DF

12. County: Lea

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [X]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER [ ]	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

This well was plugged & abandoned by the following procedures.

Set a 40 sk cmt plug over perfs from 3148' & 3197'. Filled well bore with 10 # mud and spotted a 10 sx cmt plug at surface. Capped well with dry hole marker. Work started & completed on 1-13-71. Left 5½" 15.5# csg in hole from surface to 3200'.

NMOCC - 3, File

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

SIGNED M. E. Hinkle TITLE Administrative Section Chief DATE 2-3-71

APPROVED BY John W. Runyan TITLE Engineer DATE MAR 22 1971

CONDITIONS OF APPROVAL, IF ANY:

Form C-102

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

MISCELLANEOUS NOTICES

RECEIVED SEP 17 1948 HOBBS

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent 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 TEST CASING SHUT-OFF		NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL			

Hobbs, New Mexico — September 16, 1948
Place — Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the

[illegible] Well No. 8 in SW/4
Company or Operator — Lease

of Sec. [illegible], T. [illegible], R. [illegible], N. M. P. M., [illegible] Field.

[illegible] County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

On 9-16-48 I was approved our application to drill the subject well on which was stated that 10 1/2" casing would be set at 350', due to shortage of pipe it is necessary that we use 13 3/8" casing instead of 10 1/2"

Well has been drilled to 362' TD, on 9-15-48, 13 1/8" casing was set at 362' with 300 sacks cement, using 2 centralizers. Cement will be allowed to set for 24 hours, after which time test for water shut-off will be made.

Approved SEP 20 1948, 19
except as follows:

OIL CONSERVATION COMMISSION

By [illegible]

Title OIL & GAS INSPECTOR

[illegible] Oil Company
Company or Operator

By [signature]

Position District Superintendent

Send communications regarding well to

Name [illegible]

Address [illegible]

[illegible], New Mexico

Form C-101 NEW MEXICO OIL CONSERVATION COMMISSION

DUPLICATE

Santa Fe, New Mexico

RECEIVED SEP 13 1948 HOBBS OFFICE

NOTICE OF INTENTION TO DRILL

Notice must be given to the Oil Conservation Commission or its proper agent and approval obtained before drilling begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission.

Hobbs, New Mexico — Place

September 10, 1948 — Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico,

Gentlemen:

You are hereby notified that it is our intention to commence the drilling of a well to be known as

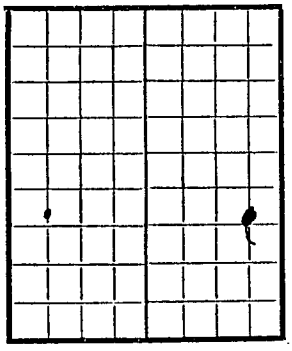
Continental Oil Company — Company or Operator

State A-33 — Lease

Well No. 8 in SW/4

of Sec. 33, T. 18-S, R. 38-E, N. M., P. M., Bowers Field, Lea County.

N



AREA 640 ACRES

LOCATE WELL CORRECTLY

The well is 330 feet (N.) (S.) of the South line and 660 feet (E.) (W.) of the West line of Section 33-18S-38E

(Give location from section or other legal subdivision lines. Cross out wrong directions.)

If state land the oil and gas lease is No. _____ Assignment No. _____

If patented land the owner is _____

Address _____

If government land the permittee is _____

Address _____

The lessee is Continental Oil Company

Address Drawer OIL, Odessa

We propose to drill well with drilling equipment as follows: Rotary tools to total depth.

The status of a bond for this well in conformance with Rule 39 of the General Rules and Regulations of the Commission is as follows: _____

We propose to use the following strings of casing and to land or cement them as indicated:

Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	Sacks Cement
13 3/4	10 3/4	32.75#	New	250'	Cemented	250
7 7/8	5 1/2"	14#	New	3250'	Cemented	800

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about 3250 feet.

Additional information:

Approved SEP 14 1948, 19____
except as follows: Cement must return to top of salt section on 5 1/2" casing.

OIL CONSERVATION COMMISSION,

By Roy Yarbrough

Title OIL & GAS INSPECTOR

Sincerely yours,

CONTINENTAL OIL COMPANY

Company or Operator

By _____

Position District Superintendent

Send communications regarding well to

Name L. P. Owen

Address Box 460, Hobbs, New Mexico

#4

COUNTY LEA FIELD Hobbs STATE NM 30-025-23856

OPR PENROC OIL CORP. MAP

2 Conoco - State

Sec 33, T-18-S, R-38-E CO-ORD

2086' FSL, 2086' FWL of Sec

Spd 8-30-71 CLASS EL

Cmp 10-15-71

FORMATION	DATUM	FORMATION	DATUM
	TD 7075'		

CSG & SX - TUBING

13 3/8" at 402' w/400 sx
9 5/8" at 3797' w/350 sx
7" at 7075' w/600 sx.

LOGS EL GR RA IND HC A

IP (Drinkard) Perfs 6681-6963' F 112 BOPD. Pot based on 24 hr test thru 20/64" chk. GOR 2850; Grav 41.3; CP Pkr; TP 420#

CONT. Moran PROP DEPTH 7100' TYPE RT

DATE

F.R. 8-31-71; Opr's Elev. 3635' GL
PD 7100' RT (Blinebry & Drinkard)
Contractor - Moran

9-7-71 Drlg. 4293'

9-13-71 TD 5970'; Reaming
Cored 5860-5915', rec 55', no description
Cored 5915-70', rec 55', no description

9-21-71 TD 7075'; WOC
SP-DST 5432-5595', open 1 hr, rec 630' mud + 2096' sul wtr, 1 hr ISIP 1935#, FP 592-1415#, 1 hr FSIP 1942#, HP 2627-2616#
Cored 6510-40', rec 30' dolo, w/trace ppp

9-27-71 TD 7075'; Tstg
Perf @ 6764', 6765', 6775', 6777', 6782', 6783', 6795', 6796', 6803', 6821', 6823', 6828', 6830', 6875', 6876', 6912-26', 6930', 6955', 6957', 6963'

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LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: B-2656

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 —" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL [X] GAS WELL [ ] OTHER-

7. Unit Agreement Name:

2. Name of Operator: Penroc Oil Corporation

8. Farm or Lease Name: Conoco-State

Address of Operator: P. O. Drawer 831, Midland, Texas 79701

9. Well No.: 2

Location of Well: UNIT LETTER K, 2086 FEET FROM THE South LINE AND 2086 FEET FROM THE West LINE, SECTION 33 TOWNSHIP 18S RANGE 38E NMPM.

10. Field and Pool, or Wildcat: Hobbs Blinebry-Drinka

15. Elevation (*Show whether DF, RT, GR, etc.*): 3635' G. L.

12. County: Lea

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [X]	
OTHER [ ]		OTHER [ ]	

17. Describe Proposed or Completed Operations (*Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work*) SEE RULE 1103.

9/20/71

Ran 182 joints 7" O. D. casing set at 7075'
5474' - 23#, J-55, LT&C
1601', 23#, N-80, LT&C
Cemented with 300 sacks Halliburton light cement with 75# Floseal,
150 sacks Class C. cement,
150 sacks Pozmix A, 2% gel, .5 of 1% CFR_2,
Total 600 sacks.
Plug down 4:30 a.m., 9/20/71.
WOC 18 hours. Tested to 1500#, held o.k.
Top of cement at 3503'.
Cementer, Halliburton.

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

SIGNED Sterling J. Dailey TITLE V. Pres. of Exploration DATE 10/26/71

APPROVED BY Orig. Signed by Joe D. Ramey, Dist. I, Supv. TITLE _____ DATE OCT 28 1971

CONDITIONS OF APPROVAL, IF ANY:

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LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State [X] Fee [ ]

5. State Oil & Gas Lease No.
B-2656

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 —" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL [X] GAS WELL [ ] OTHER-

7. Unit Agreement Name

2. Name of Operator
Penroc Oil Corporation

8. Farm or Lease Name
Conoco-State

3. Address of Operator
Box 831 Midland, Texas 79701

9. Well No.
2

4. Location of Well
UNIT LETTER K, 2086 FEET FROM THE South LINE AND 2086 FEET FROM THE West LINE, SECTION 33 TOWNSHIP 18S RANGE 38E NMPM.

10. Field and Pool, or Wildcat
Hobbs Blinebry-Drinkard

15. Elevation *(Show whether DF, RT, GR, etc.)*
3635' G.L.

12. County
Lea

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [X]	
OTHER [ ]		OTHER [ ]	

17. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

8-30-71 : Spud 5:30 PM
Ran 10 joints 13 3/8" 48# casing set at 402'. Cemented with 410 sacks Class C, 2% Calcium Chloride. Circulated cement to surface. WOC 18 hours. Tested casing to 750#. Held OK.

9/6/71 Ran 116 joints 9 5/8" Csg. as follows: 1095' 32.30# H-40, 690' 36# H-40, 750' 36# J-55, 1262' 40# J-55 set at 3797'. Cemented with 350 sacks Class C cement with 2% Calcium Chloride. WOC 18 hours. Tested casing to 1000# for 30 minutes. Held OK.

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

SIGNED W. H. Roberts TITLE Prod. Supt. DATE 9-7-71

APPROVED BY [signature] TITLE SUPERVISOR DISTRICT I DATE SEP 9 1971

CONDITIONS OF APPROVAL, IF ANY:

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NEW MEXICO OIL CONSERVATION COMMISSION

30-025-

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease STATE [X] FEE [ ]

5. State Oil & Gas Lease No. B-2656

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. Type of Work

b. Type of Well: DRILL [X] DEEPEN [ ] PLUG BACK [ ]
OIL WELL [X] GAS WELL [ ] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [X]

7. Unit Agreement Name

8. Farm or Lease Name: Conoco-State

2. Name of Operator: PENROC OIL CORPORATION

9. Well No.: 2

3. Address of Operator: P. O. Drawer 831, Midland, Texas 79701

10. Field and Pool, or Wildcat: Hobbs Blinebry & Drinkard

4. Location of Well UNIT LETTER K LOCATED 2086 FEET FROM THE South LINE AND 2086 FEET FROM THE West LINE OF SEC. 33 TWP. 18S RGE. 38E NMPM

12. County: Lea

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
7100	Drinkard	Rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
3635' G. L.	Active	Moran Drlg. Corp.	9/4/71

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17	13-3/8"	48#	400'	350	Surface
12-1/4"	9-5/8"	36 & 32#	3800'	350	Surface
8-3/4'	7"	26 & 23#	7100'	900	Surface

APPROVAL VALID FOR 90 DAYS UNLESS DRILLING COMMENCED,

EXPIRES 11-25-71

THE COMMISSION MUST BE NOTIFIED 24 HOURS PRIOR TO RUNNING 8 5/8 CASING.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed [signature] Title President Date 8/23/71

(This space for State Use)

APPROVED BY [signature] TITLE SUPERVISOR, DISTRICT I DATE AUG 25 1971

CONDITIONS OF APPROVAL, IF ANY:

#5

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-104
Revised 10-1-78

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

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TRANSPORTER OIL / GAS	
OPERATOR	
PRORATION OFFICE	

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator: Shell Western E&P, Inc.

Address: 200 North Dairy Ashford, P.O. Box 991, Houston, Texas 77001

Reason(s) for filing (Check proper box)

New Well	☐	Change in Transporter of:			
Recompletion	☐	Oil	☐	Dry Gas	☐
Change in Ownership	☒	Casinghead Gas	☐	Condensate	☐

Other (Please explain)

If change of ownership give name and address of previous owner: Shell Oil Company, P.O. Box 991, Houston, Texas 77001

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
N. Hobbs G/SA Unit Sec.33	141	Hobbs (G-SA)	State, Federal or Fee: State	

Location

Unit Letter M : 660 Feet From The South Line and 660 Feet From The West

Line of Section 33 Township 18S Range 38E NMPM, Lea County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐	Address (Give address to which approved copy of this form is to be sent)
Shell Pipeline Corporation ARCO Pipeline Company	P.O. Box 1910, Midland, Texas 79702 ARCO Building, Independence, Kansas 67301
Name of Authorized Transporter of Casinghead Gas ☒ or Dry Gas ☐	Address (Give address to which approved copy of this form is to be sent)
Phillips Pipeline Company	4001 Penbrook St, Odessa, Texas 79762

If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	No Change				Yes	NA

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion – (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.)	**Name of Producing Formation**	**Top Oil/Gas Pay**	**Tubing Depth**
Perforations			**Depth Casing Shoe**

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

OIL WELL

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	**Tubing Pressure**	**Casing Pressure**	**Choke Size**
Actual Prod. During Test	**Oil-Bbls.**	**Water-Bbls.**	**Gas-MCF**

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	**Tubing Pressure (Shut-in)**	**Casing Pressure (Shut-in)**	**Choke Size**

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

(Signature)

Attorney-in-Fact
(Title)

December 1, 1983 Effective January 1, 1984
(Date)

OIL CONSERVATION DIVISION

APPROVED JAN 26 1984, 19

BY ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

TITLE

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

FORM SG 101

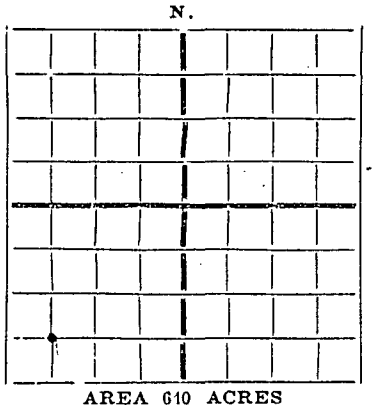
NEW MEXICO STATE LAND OFFICE
Santa Fe, New Mexico

DEPARTMENT OF THE STATE GEOLOGIST
NOTICE OF INTENTION TO DRILL NEW WELL

Notice must be given to the State Geologist or to the proper Oil and Gas Inspector and approval obtained before drilling begins. If changes in the proposed plan are considered advisable a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned following approval.

Mr. R.L.Halley, State Geologist. Jal N. Mex., 6-22-1930

Dear Sir: You are hereby notified that it is our intention to commence the drilling of a well to be known as State B Well No. I in SW 1/4 of Sec. 33 T. 18S, R. 38E, N. M, P, M,, Hobbs Area Oil Field Lea County



AREA 610 ACRES
LOCATE WELL CORRECTLY

The well is 660 feet (N.) (S.) of South line and 660 feet (E.) (W.) of West line of Sec. 33, T-18S-R-38E line of

(Give location from section or other legal subdivision lines. Cross out wrong directions.)

If state land the oil and gas lease is No. LL48

Assignment No.

If patented land the owner is

Address

The lessee is Continental Oil Company Address Drawer "U" Jal, New Mexico

The elevation of the derrick floor above sea level is 3629.64 feet. We propose to drill well with No. Rotary Tools
Make of Drill

We propose to use the following strings of casing and to land or cement them as indicated.

Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented
15 1/2"	70#	Second hand	225'	Cemented
9 5/8"	36#	New	2850'	"
7 "	24#	New	4000'	"

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about 3200 feet.
Additional information:

Approved June 30, 1930
Except as follows:

State Geologist or Oil and Gas Inspector.
C. P. Haley

Sincerely yours,
Continental Oil Company
Company or Operator.
By H.B.Hurley
Position District Supt.
Send communication regarding well to
Name H.B.Hurley
Address Drawer "U" Jal, N.Mexico

#6

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease 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 —" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL [ ] GAS WELL [ ] OTHER- INJECTOR

7. Unit Agreement Name: N. HOBBS (G/SA) UNIT

Name of Operator: SHELL WESTERN E&P INC.

8. Farm or Lease Name: SECTION 33

Address of Operator: P. O. BOX 991, HOUSTON, TEXAS 77001

9. Well No.: 221

Location of Well: UNIT LETTER F, 2310 FEET FROM THE NORTH LINE AND 1320 FEET FROM THE WEST LINE, SECTION 33 TOWNSHIP 18-S RANGE 38-E NMPM.

10. Field and Pool, or Wildcat: HOBBS (G/SA)

15. Elevation (Show whether DF, RT, GR, etc.): 3643' DF

12. County: LEA

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER CONVERTED TO INJECTOR (PMX-133) [X]	

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

3-04-85: Set blanking plug in 1.78" profile nipple @ 3951'. Pressure tested plug to 1000 psi, held OK.

3-05-85: Set RBP @ 10,000' & capped w/3 sx sand.

3-06-85: Perforated @ 606' w/4 jet shots (.38" holes). Established circ out 9-5/8" X 12-1/2" bradenhead @ 800 psi. Established circ out 7" X 9-5/8" & 5" X 7" bradenheads @ 500 psi. Cmt sqz'd csg as follows: Pumped 490 sx Class "C" Neat cmt & cmt circ'd out 9-5/8" X 12-1/2" bradenhead. Closed 9-5/8" X 12-1/2" csg valve & opened 7" X 9-5/8" csg valve, pumped 112 sx Class "C" Neat cmt, cmt circ'd. Closed 7" X 9-5/8" csg valve & opened 5" X 7" csg valve, pumped 47 sx Class "C" Neat cmt, cmt circ'd. Close 5" X 7" csg valve & pumped 31 sx Class "C" Neat cmt into formation. Displaced cmt in 5" csg w/9 bbls wtr. WOC 24 hrs.

3-08-85: Tagged cmt @ 575'. Drilled out cmt from 575' to 630'. Circ'd hole clean. Pressure tested sqz to 1000 psi, held OK. Circ'd sand off RBP @ 1000' & retrieved RBP. Displaced hole w/fresh wtr containing 10 gals/1000 gals Visco 3900.

(CONTINUED ON REVERSE SIDE)

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

SIGNED A. J. Fore for A. J. FORE TITLE SUPERVISOR REG. & PERMITTING DATE JULY 3, 1985

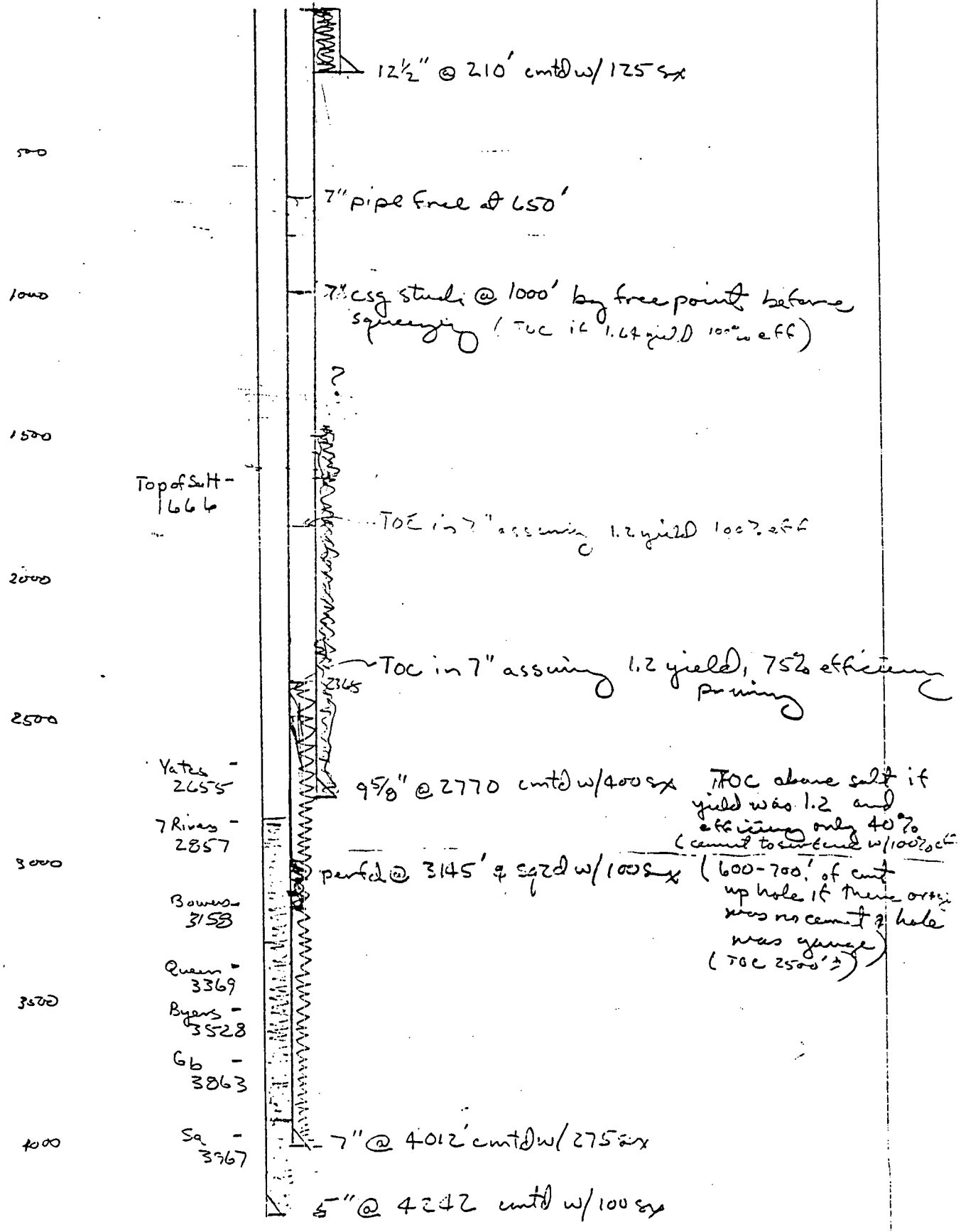
APPROVED BY ORIGINAL SIGNED BY JERRY SEXTON TITLE DATE JUL - 8 1985

3-09-85: Made several unsuccessful attempts to fish blanking plug. Could not clean out fill on top of blanking plug.

3-19-85: Removed blanking plug from profile nipple. Installed injection equipment w/ Guiberson Uni-Pkr VI set @ 3951' in 10,000# tension. Started well to injecting.

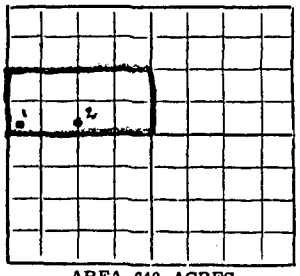
NHU 33-221
Wellbore Configuration

DF 3642 (datum)
CHF 3637



Form SG 108

N.



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO STATE LAND OFFICE
SANTA FE, NEW MEXICO

DEPARTMENT OF THE STATE GEOLOGIST

WELL RECORD

Mail to State Geologist, Santa Fe, New Mexico, not more than ten days after completion of well. Indicate questionable data by following it with (?). Submit in duplicate.

Company Landreth Production Corporation Address Hobbs, New Mexico

Send correspondence to same Address P O Box 996

State Well No. 2-B in S½ of NW¼ of Sec. 33 T. 18-S,

R. 38-E, N. M. P. M., Hobbs High Oil Field Lea County.

If State land the oil and gas lease is No. A-1573 Assignment No.

If patented land the owner is , Address

The lessee is Landreth Production Corporation, Address Ft. Worth Texas

If not state or patented land, give status

Drilling commenced 7/24/50 19 . Drilling was completed 9/13/50 19

Name of drilling contractor Norwood & Landon, Address Wichita Falls Texas

Elevation above sea level at top of casing 3637 feet.

The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 3145 to 3200 No. 4, from to

No. 2, from 4004 to 4179 No. 5, from to

No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from 70 to 128 No. 3, from to

No. 2, from to No. 4, from to

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
12½"	50#	8	Nat'l	209'8"	Tex.Pat.	none	none		
9-5/8"	40#	8	Spang	2748'	Baker	none	none		
7"OD	24#	10	"	3953'	"	none	none		

SIZE	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED

PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth Set .....

Adapters—Material ..... Size .....

SHOOTING RECORD

SIZE	SHELL USED	EXPLOSIVE USED	QUANTITY	DATE	DEPTH SHOT	DEPTH CLEANED OUT

TOOLS USED

Rotary tools were used from 0 feet to 4179 feet, and from ..... feet to ..... feet

Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

PRODUCTION

Put to producing 9/ 15/ 30, 19....

The production of the first 24 hours was 159 BBLS PER HR barrels of fluid of which 99 % was oil; 0 % emulsion; 1% Drlg. % water; and ..... % sediment. Gravity, Be .....

If gas well, cu. ft. per 24 hours ..... Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. .....

EMPLOYES

J V Rich, Driller R O Wood, Driller

....., Driller ....., Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 23rd day of September, 1930

H G Fowler
Notary Public

My commission expires Aug 11-1934

Name L A Neal

Postion Wkse'man

Representing Landreth Production Corp.
Company or Operator

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	15	15	Caliche
15	47	32	Caliche & Sand
47	97	50	Hard Sand
97	128	31	Sand
128	136	8	Flint Rock
136	162	26	Sand
162	203	41	Sand & Shale
203	749	546	Red Bed & Sand
749	800	51	Shells and Sand
800	1184	384	Sand & Red Bed
1184	1304	120	Sand & Red Rock
1304	1526	222	Sand & Red Bed
1526	1662	136	Anhydrite
1662	1727	65	Anhydrite & Salt
1727	1742	15	Hard Anhydrite
1742	1767	25	Salt & Potash
1767	1827	60	Anhydrite & Salt
1827	2228	401	Salt & Potash
2228	2240	12	Salt
2240	2333	93	Salt & Anhydrite
2333	2437	104	Salt
2437	2502	65	Salt & Anhydrite
2502	2511	9	Salt
2511	2760	249	Anhydrite
2760	2830	70	Lime
2830	3134	304	Anhydrite
3134	3279	145	Lime
3279	3475	196	Anhydrite
3475	3590	115	Sandy Lime
3590	3741	151	Lime
3741	3765	24	Sandy Lime
3765	3783	18	Lime
3783	3798	15	Sandy Lime
3798	3843	45	Lime & Anhydrite
3843	3863	20	Anhydrite
3863	3885	22	Lime
3885	3904	19	Lime & Anhydrite
3904	3954	50	Lime
3954	4000	46	Gray Lime
4000	4050	50	Brown Lime
4050	4084	34	Sandy Lime
4084	4179	95	Lime TD 4179

#7

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-105
Revised 10-1-78

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

API #30-025-29275

5a. Indicate Type of Lease: State [X] Fee [ ]
5. State Oil & Gas Lease No.:

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] OTHER
b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER

7. Unit Agreement Name: N. HOBBS (G/SA) UNIT
8. Farm or Lease Name: SECTION 33
2. Name of Operator: SHELL WESTERN E&P INC.
9. Well No.: 234
3. Address of Operator: P. O. BOX 576, HOUSTON, TEXAS 77001
10. Field and Pool, or Wildcat: HOBBS (G/SA)
4. Location of Well: UNIT LETTER K LOCATED 1372 FEET FROM THE SOUTH LINE AND 2563 FEET FROM THE WEST LINE OF SEC. 33 TWP. 18-S RGE. 38-E NMPM
12. County: LEA

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
6-14-85	6-23-85	7-31-85	3633.0' GL	-------

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
4373'	------	-----	→	X	

24. Producing Interval(s), of this completion — Top, Bottom, Name: 4046' - 4224' (SAN ANDRES)
25. Was Directional Survey Made: NO

26. Type Electric and Other Logs Run: BHCS/GR, SNP/GR, DLL/MSFL/GR, RFT, CBL/VDL/CCL/GR
27. Was Well Cored: NO

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	CONDUCTOR	40'	17-1/2"		-----
9-5/8"	36#	1503'	12-1/4"	450 SX LITE + 200 SX HE II	-----
7"	20#	4372'	8-3/4"	800 SX LITE + 325 SX HE II	-----

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8"	4279'	------

31. Perforation Record (Interval, size and number): 4046' - 4224' (32 - ½" holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4046' - 4224'	ACIDIZED W/4800 GALS 15% NEA

PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
7-31-85	PUMP - 2½" X 2" X 20' HIGHLAND	PRODUCING

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
8-06-85	24	-----		355	52	298	146

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
------	30					35.0

33. Disposition of Gas (Sold, used for fuel, vented, etc.): SOLD
Test Witnessed By:

34. List of Attachments: LOGS

35. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED A. J. FORE for A. J. FORE TITLE SUPERVISOR REG. & PERMITS DATE AUGUST 26, 1985

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radioactivity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filled in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico				Northwestern New Mexico			
T. Anhy		T. Canyon		T. Ojo Alamo		T. Penn. "B"	
T. Salt	1636'	T. Strawn		T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka		T. Pictured Cliffs		T. Penn. "D"	
T. Yates	2641'	T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers	2865'	T. Devonian		T. Menefee		T. Madison	
T. Queen	3375'	T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg	3686'	T. Montoya		T. Mancos		T. McCracken	
T. San Andres	3978'	T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta		T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb		T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand		T. Entrada		T.	
T. Abo		T. Bone Springs		T. Wingate		T.	
T. Wolfcamp		T.		T. Chinle		T.	
T. Penn.		T.		T. Permian		T.	
T Cisco (Bough C)		T.		T. Penn. "A"		T.	

OIL OR GAS SANDS OR ZONES

No. 1, from ..... to ..... No. 4, from ..... to .....

No. 2, from ..... to ..... No. 5, from ..... to .....

No. 3, from ..... to ..... No. 6, from ..... to .....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from ..... to ..... feet. .....

No. 2, from ..... to ..... feet. .....

No. 3, from ..... to ..... feet. .....

No. 4, from ..... to ..... feet. .....

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	890	890	REDBEDS & ANHYDRITE				
890	1504	614	ANHYDRITE				
1504	1950	446	ANHYDRITE & SALT				
1950	2945	995	SALT, ANHYDRITE, SHALE				
2945	3350	405	ANHYDRITE, SANDSTONE, SHALE				
3350	3800	450	ANHYDRITE, DOLOMITE, SAND				
3800	4373	573	DOLOMITE				

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O.C.D.
HOBBS OFFICE

#8

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.

API #30-025-26834

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 —" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL ☐ GAS WELL ☐ OTHER- INJECTOR

7. Unit Agreement Name: N. HOBBS (G/SA) UNIT

Name of Operator: SHELL WESTERN E&P INC.

8. Farm or Lease Name: SECTION 33

Address of Operator: P. O. BOX 576, HOUSTON, TEXAS 77001 (WCK 4435)

9. Well No.: 232

Location of Well: UNIT LETTER K, 1595 FEET FROM THE SOUTH LINE AND 1370 FEET FROM THE WEST LINE, SECTION 33, TOWNSHIP 18S, RANGE 38E, NMPM.

10. Field and Pool, or Wildcat: HOBBS (G/SA)

15. Elevation (Show whether DF, RT, GR, etc.): 3636.19' GR

12. County: LEA

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER SQZD, PERF'D, ACD & RESQZD ☒	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

7-25-86: Pulled injection equipment. Released pkr @ 3969' & POH. CO to 4308'.

7-28-86: Set CIBP @ 4120' & cmt ret @ 3935'. Sqzd San Andres perfs 4050' - 4101' w/100 sx Cls "C" cmt + 2% $CaCl_2$ + .2% Halad-4 followed by 50 sx Cls "C" cmt + 2% $CaCl_2$. WOC 24+ hrs.

7-29-86: Tagged TOC @ 3922'.

7-30-86: DO cmt (& cmt ret @ 3935') to 4108'. Pres tstd sqzd perfs 4050' - 4101' to 1000# for 5 min, held OK.

7-31-86: DO CIBP @ 4120' & pushed remains to 4395'. Perf'd San Andres 4050' - 4054' (2 JSPF). Acd perfs 4050' - 4248' w/2000 gals 15% HCl + 400 gals xylene.

8-01-86: Pres tstd sqzd perfs 4096' - 4101' to 750#, did not hold. Set CIBP @ 4120' & cmt ret @ 3937'. Resqzd perfs 4050' - 4101' w/25 sx Cls "C" cmt + 2% $CaCl_2$ + .2% Halad-4 followed by 25 sx Cls "C" cmt + 2% $CaCl_2$. WOC 24+ hrs.

(CONTINUED ON REVERSE SIDE)

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

SIGNED A. J. FORE TITLE SUPERVISOR REG. & PERMITTING DATE OCTOBER 22, 1986

APPROVED BY Oil & Gas Inspector TITLE DATE

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-101

30-025-26834

DISTRIBUTION	
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5A. Indicate Type of Lease: STATE [ ] FEE

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. Type of Well

OIL WELL [ ] GAS WELL [ ] OTHER core evaluation Injector SINGLE ZONE [ ] MULTIPLE ZONE [ ]

7. Unit Agreement Name: N.Hobbs(G/SA) Uni

8. Farm or Lease Name: Sec. 33

2. Name of Operator: Shell Oil Company

9. Well No.: 232

3. Address of Operator: P. O. Box 991, T&C 459, Houston, TX 77001

10. Field and Pool, or Wildcat: Hobbs (G/SA)

4. Location of Well: UNIT LETTER K LOCATED 1595 FEET FROM THE south LINE AND 1370 FEET FROM THE west LINE OF SEC. 33 TWP. 18S RGE. 38E NMPM

12. County: Lea

19. Proposed Depth	19A. Formation	20. Rotary or C
4350'	G/SA	Rotary

21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work Will
3636.19 GR	Blanket	Cactus Drilling	June

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
20"	16"	conductor	40'	40sx Redi Mix	surface
12 1/4"	8 5/8"	32# K-55 STC	1600'	520sx Lite+ 250sx Class C	surf
7 7/8"	5 1/2"	14# K-55 STC	4350'	270sx Lite + 16$sx Class C	150

BOP PROGRAM: 3000# Regular Service 10,000# stack double ram preventer.

NSL-1194

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed A. J. Fore Title Senior Engineering Technician Date May 22, 1980

(This space for State Use)

APPROVED BY [signature] TITLE SUPERVISOR DISTRICT II DATE MAY 28 1980

CONDITIONS OF APPROVAL, IF ANY:

#9

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

Form C-105
Revised 10-1-78

OIL CONSERVATION DIVISION

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SANTA FE, NEW MEXICO 87501

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

API #30-025-28410

5a. Indicate Type of Lease: State [X] Fee [ ]
5. State Oil & Gas Lease No.:

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] OTHER
b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER

7. Unit Agreement Name: N. HOBBS (G/SA) UNIT
8. Farm or Lease Name: SECTION 33
9. Well No.: 233
2. Name of Operator: SHELL WESTERN E&P INC.
3. Address of Operator: P.O. BOX 991, HOUSTON, TX 77001
10. Field and Pool, or Wildcat: HOBBS (G/SA)
4. Location of Well: UNIT LETTER K LOCATED 2380 FEET FROM THE SOUTH LINE AND 2472 FEET FROM THE WEST LINE OF SEC. 33 TWP. 18-S RGE. 38-E NMPM
12. County: LEA

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
12-5-83	12-14-83	3-20-84	3638.8' GL	-------

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
4370'	--------	-----	→	X	

24. Producing Interval(s), of this completion — Top, Bottom, Name: 4047' - 4246' (SAN ANDRES)
25. Was Directional Survey Made: NO
26. Type Electric and Other Logs Run: CNL/GR, DLL, RFT, CBL/VDL/CCL/GR, CET/GR, CET/GR, BHCS
27. Was Well Cored: NO

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16"	CONDUCTOR	40'	20"		
8-5/8"	24#	1582'	12-1/4"	500 SX LITE + 250 SX C	
5-1/2"	14#	4350'	7-7/8"	225 SX C + 450 SX LITE + 200 SX C	

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	3969'	

31. Perforation Record (Interval, size and number)

4047' to 4246' (40 - 1/2" holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4047' to 4088'	1800 GALS 15% HCl-NEA
4109' to 4170'	2700 GALS 15% HCl-NEA
4193' to 4246'	1800 GALS 15% HCl-NEA

PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
3-20-84	PUMPING - SUBMERSIBLE	PRODUCING

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
10-10-84	24			87	27	494	310

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
30	25					35.1

34. Disposition of Gas (Sold, used for fuel, vented, etc.): SOLD
Test Witnessed By:

35. List of Attachments: C-104(5), C-103(3), C-102(3), LOGS, INCLINATION REPORT(2)

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED A. J. Fore, A. J. FORE TITLE SUPERVISOR REG. & PERMITS DATE DECEMBER 11, 1984

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico				Northwestern New Mexico			
T. Anhy		T. Canyon		T. Ojo Alamo		T. Penn. "B"	
T. Salt		T. Strawn		T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka		T. Pictured Cliffs		T. Penn. "D"	
T. Yates	2650'	T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers	2854'	T. Devonian		T. Menefee		T. Madison	
T. Queen	3362'	T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg	3711'	T. Montoya		T. Mancos		T. McCracken	
T. San Andres	3968'	T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta		T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb		T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand		T. Entrada		T.	
T. Abo		T. Bone Springs		T. Wingate		T.	
T. Wolfcamp		T.		T. Chinle		T.	
T. Penn.		T.		T. Permian		T.	
T Cisco (Bough C)		T.		T. Penn. "A"		T.	

OIL OR GAS SANDS OR ZONES

No. 1, from ..... to ..... No. 4, from ..... to .....

No. 2, from ..... to ..... No. 5, from ..... to .....

No. 3, from ..... to ..... No. 6, from ..... to .....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from ..... to ..... feet. .....

No. 2, from ..... to ..... feet. .....

No. 3, from ..... to ..... feet. .....

No. 4, from ..... to ..... feet. .....

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	160	160	SURFACE ROCK				
160	1491	1331	RED BEDS				
1491	1583	92	ANHYDRITE				
1583	2498	915	SALT				
2498	3180	682	SANDSTONE				
3180	3620	440	ANHYDRITE				
3620	4370	750	DOLOMITE				

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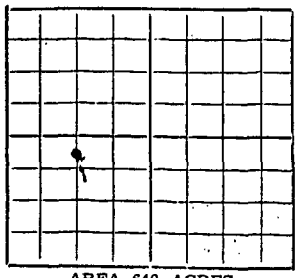
#10

Form SG 108

N.



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO STATE LAND OFFICE
SANTA FE, NEW MEXICO

DEPARTMENT OF THE STATE GEOLOGIST

WELL RECORD

Mail to State Geologist, Santa Fe, New Mexico, not more than ten days after completion of well. Indicate questionable data by following it with (?). Submit in duplicate.

STATE PENINTENTIARY LANDS.

Company Continental Oil Co. Address P.O.Box 787 Hobbs N.Mexico

Send correspondence to H.B.Hurley Address P.O.Box 787 Hobbs N.Mexico.

State B Well No. 3 in SW ¼ of Sec. 33, T. 18S,

R. 38E, N. M. P. M., Hobbs Oil Field Lea County.

If State land the oil and gas lease is No. 1148 Assignment No.

If patented land the owner is , Address

The lessee is Continental Oil Co., Address Poncacity Okla.

If not state or patented land, give status

Drilling commenced 8-13-30 19 . Drilling was completed Oct 8 - 1930 19

Name of drilling contractor E.F.Moran Drilling Co., Address Wt Tulsa Okla

Elevation above sea level at top of casing 3634.63 feet.

The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 3150 to 3170 O&G No. 4, from 4017 to 4192 O&G

No. 2, from 3440 to 3590 O No. 5, from to

No. 3, from 3910 to 3940 G No. 6, from to

IMPORTANT WATER SANDS

No. 1, from 75 to 84 No. 3, from to

No. 2, from to No. 4, from to

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
15"				182'	6" T P	Cmented	W/ 250	Sacks	
9 5/8"	70 40#	8 8	Natl	2732'	3" Baker	"	600	Sacks	
7"	24#	10	STD	3920'	10" "	"	310	"	

SIZE	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
15½"	203'	250	Halliburton		
9 5/8"	2754	600	"		
7"	3940	310	"		

PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth Set .....

Adapters—Material ..... Size .....

SHOOTING RECORD

SIZE	SHELL USED	EXPLOSIVE USED	QUANTITY	DATE	DEPTH SHOT	DEPTH CLEANED OUT

TOOLS USED

Rotary tools were used from 0 feet to 4192 feet, and from ..... feet to ..... feet

Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

PRODUCTION

Put to producing Oct 9, 19 30.

The production of the first 24 hours was 16,718 barrels of fluid of which 99 % was oil; 1 % emulsion; 0 % water; and 0 % sediment. Gravity, Be 35

If gas well, cu. ft. per 24 hours 50,000,000 Feet gallons gasoline per 1,000 cu. ft. of gas no Test

Rock pressure, lbs. per sq. in. 1350

EMPLOYES

R.D. Kirk, Driller ..... , Driller

C.G. McNeal, Driller ..... , Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 30 day of October, 1930

Rose Welty
Notary Public.

My commission expires Aug 4 - 1934

Name C A Carpenter

Postion Dist Clerk

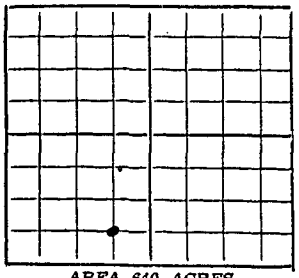
Representing Continental Oil Co.
Company or Operator

#11

Rec'd and Fwd 3-19-32 T. A. Stancliff State Oil & Gas Inspector

Form SG 108

N.



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO STATE LAND OFFICE
SANTA FE, NEW MEXICO

DEPARTMENT OF THE STATE GEOLOGIST

WELL RECORD

Mail to State Geologist, Santa Fe, New Mexico, not more than ten days after completion of well. Indicate questionable data by following it with (?). Submit in duplicate.

(STATE PENITENTIARY LAND)

Company Continental Oil Company Address Ponca City, Okla.

Send correspondence to Continental Oil Co., Address Box 788 Hobbs, New Mexico

State A-33 Well No. 6 in S.W.¼ of Sec. 33 T. 18S

R. 38E, N. M. P. M., Hobbs Oil Field Lea County.

If State land the oil and gas lease is No. II48 Assignment No.

If patented land the owner is Address

The lessee is Continental Oil Company Address

If not state or patented land, give status

Drilling commenced Dec. I7 19 3I Drilling was completed Feb. I9 19 32

Name of drilling contractor Carl B. King Drilling Co. Address Tulsa, Okla.

Elevation above sea level at top of casing surface 3627.90 feet.

The information given is to be kept confidential until 19

OIL SANDS OR ZONES

No. 1, from 2780 to 2795 Gas No. 4, from 3975 to 4I55 Oil & Gas

No. 2, from 3I40 to 3I55 Oil & Gas No. 5, from to

No. 3, from 3670 to 3700 Gas No. 6, from to

IMPORTANT WATER SANDS

No. 1, from 45 to 70 No. 3, from to

No. 2, from to No. 4, from to

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATED FROM	PERFORATED TO	PURPOSE
I5½	70#	8	Natl.	204'I0"	T.P.				
9-5/8	40#	8	"	2747'5"	Baker				
&	24#	I0	"	3958'6"	Baker				

SIZE	WHERE SET	NO. SACKS OF CEMENT	METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
15½	223'	387	Halliburton		
9-5/8	2754'	600	"		
7	3971'	350	"		

PLUGS AND ADAPTERS

Heaving plug—Material .... Length .... Depth Set ....

Adapters—Material .... Size ....

SHOOTING RECORD

SIZE	SHELL USED	EXPLOSIVE USED	QUANTITY	DATE	DEPTH SHOT	DEPTH CLEANED OUT

TOOLS USED

Rotary tools were used from 0 feet to .... feet, and from .... feet to .... feet

Cable tools were used from .... feet to .... feet, and from .... feet to .... feet

PRODUCTION

Put to producing Mar. I, 19 32

The production of the first 24 hours was one hour test 22,939 barrels of fluid of which 99½ % was oil; ½ %

emulsion; XXXXX; and .... % sediment. Gravity, Be 20,289.000 cu.ft.gas

If gas well, cu. ft. per 24 hours .... Gallons gasoline per 1,000 cu. ft. of gas ....

Rock pressure, lbs. per sq. in. I280

EMPLOYES

Mike Hines, Driller W.E.Lemasters, Driller

.........., Driller ...., Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 7th Name [signature]

day of March, 19 32 Postion District Superintendent

[signature] Howard County Representing Continental Oil Company

Notary Public. Company or Operator

My commission expires June 28 -1932

FORMATION RECORD

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	I5	I5	Cellar
I5	20	5	Caliche
20	45	25	Gray saad rock
45	70	25	White sand - 3 bailers water per hr. @ 50'
70	78	8	Indian flint
78	90	I2	Gray sand
90	I00	I0	Gray lime
I00	I40	40	Red sand
I40	I50	I0	White flint
I50	I9I	4I	Gray sand
I9I	I98	7	Red shale
I98	202	4	Sand & gravel
202	223	2I	Red rock - Set I5½" casing
223	I300	I077	Red rock
I300	I680	380	White anhydrite
I680	2400	720	" salt
2400	2580	I80	Salt & shells
2580	2680	I00	Anhydrite shells
2680	2756	76	Anhydrite - Set 9-5/8" casing
2756	2780	24	Gray sandy lime - Gas
2780	2790	I0	Brown lime - Top brown lime 2780'
2790	287I	8I	Gray lime shells - Gas at 2790'
287I	2985	II4	Gray shale & shells
2985	3I40	I55	" sandy lime - oil at 3I40' to 3I55'
3I40	3I55	I5	Brown oil sand
3I55	3I62	7	Gray sandy lime
3I62	3438	256	Anhydrite & sand
3438	350I	63	Gray lime shells
350I	3598	97	Broken sandy lime
3598	3670	72	Broken lime - Gas at 3670'
3670	3940	270	" & sand
3940	3956	I6	Brown lime
3956	3975	I9	Soft sandy lime - Set 7" casing at 397I'
3975	4I55	I80	Crystal lime: soft and pprous with few hard streaks. Lost returns at 40I0' and did not regain circulation

Well completed by setting and connecting 4I35' - 3" 9.30# I0 thd. API National Seamless ext. upset tubing.

Initial pptential test:
6,90I bbls. oil & 7,034.000 cu.ft. gas per 24 hrs. through tubing.
22,939 bbls. oil & 20,289.000 cu.ft. gas per 24 hrs. through open flow.

Unichem International

EXHIBIT #7

707 North Leech P.O.Box 1499

Hobbs, New Mexico 88240

Company : Rowland Trucking
Date : 09-02-1987
Location: - Monitor Hole (on 08-25-1987)

	Sample 1
Specific Gravity:	1.001
Total Dissolved Solids:	1349 *
pH:	7.52
IONIC STRENGTH:	0.022

CATIONS:		me/liter	mg/liter
Calcium	(Ca^{+2})	2.00	40.0
Magnesium	(Mg^{+2})	1.20	14.6 *
Sodium	(Na^{+1})	17.1	392
ANIONS:			
Bicarbonate	(HCO_3^{-1})	6.80	415
Carbonate	(CO_3^{-2})	0	0
Hydroxide	(OH^{-1})	0	0
Sulfate	(SO_4^{-2})	0.770	37.0
Chloride	(Cl^{-1})	12.7	450 *

SCALING INDEX (positive value indicates scale)

Temperature		Calcium Carbonate	Calcium Sulfate
86°F	30°C	0.19	-19

EXHIBIT #7

Unichem International

707 North Leech P.O.Box 1499

Hobbs, New Mexico 88240

EXHIBIT #8

EXHIBIT #8

Company : Rowland Trucking
Date : 09-02-1987
Location: #2 Brine Well (on 08-25-1987)

	Sample 1
Specific Gravity:	1.283
Total Dissolved Solids:	396355
pH:	6.68
IONIC STRENGTH:	6.949

CATIONS:		me/liter	mg/liter
Calcium	(Ca^{+2})	46.4	928
Magnesium	(Mg^{+2})	136	1650
Sodium	(Na^{+1})	6600	152000
ANIONS:			
Bicarbonate	(HCO_3^{-1})	2.40	146
Carbonate	(CO_3^{-2})	0	0
Hydroxide	(OH^{-1})	0	0
Sulfate	(SO_4^{-2})	123	5900
Chloride	(Cl^{-1})	6660	236000

SCALING INDEX (positive value indicates scale)

Temperature		Calcium Carbonate	Calcium Sulfate
86°F	30°C	2.4	3.9

EXHIBIT #9

INJECTION VOLUME SUMMARY

I.	1986	19,982 barrels brine
		108,965 barrels fresh water
	1987	4,350 barrels brine
	(June)	5,250 barrels fresh water
II.	1986	138,628 barrels brine
		60,781 barrels fresh water
	1987	72,315 barrels brine
	(June)	42,970 barrels fresh water

EXHIBIT #9

	Buckeye	Carlsbad	Hobbs
1982			
4th Quarter	18,455	72,745	70,690
3rd Quarter	11,095	87,570	46,462
2nd Quarter	32,145	115,895	54,944
1st Quarter	158,014	131,935	55,205
1981			
1st Quarter	87,143	98,872	76,251
2nd Quarter	72928	104,507	70,094
3rd Quarter	17442	121,754	86,136
4th Quarter	34,735	113,853	104,075
1985			
3rd Quarter	41,405	66945	41465
2nd Quarter	26,683	54895	114455
1st Quarter	20,059	51980	100,569
4th Quarter	49,292	44613	75,837
1984			
4th Quarter	51,255	59515	101,534
3rd Quarter	22,058	82930	35,874
2nd Quarter	17,671	48321	38,303
1st Quarter	12,428	38,648	79517
1983			
4th Quarter	14,120	47,675	103,771
3rd Quarter	21,081	49,460	81,146
2nd Quarter	25,798	52,590	48,186
1st Quarter	30,013	37,155	67,051

	Buckeye	Carlsbad	Hobbs
1980			
1st Quarter	119,266	74,926	
2nd Quarter	161,011	101,135	
3rd Quarter	105,895	74,148	28,821
4th Quarter	66,323	127,008	13,845
1979			
1st Quarter	123,315	95,123	
2nd Quarter	101,556	67,315	
3rd Quarter	106,354	115,181	
4th Quarter	125,953	92,926	
1978			
1st Quarter	52,006	181,570	
2nd Quarter	5,475	75,604	
3rd Quarter	64,790	167,337	
4th Quarter	96,761	98,178	
1977			
1st Quarter	42,033	50,292	
2nd Quarter	40,184	72,325	
3rd Quarter	43,353	107,120	
4th Quarter	94,830	77,092	
1976			
1st Quarter	17,535		
2nd Quarter	20,667		
3rd Quarter	50,492	5,938	
4th Quarter	27,625	38,090	

	Buckeye	Carlsbad Hobbs
1975		
1st Quarter	18,556.5	
2nd Quarter	17,625	
3rd Quarter	22,973	
4th Quarter	13,629	
1974		
4th Quarter	55,218	
3rd Quarter	22,753	
2nd Quarter	16,142	
1st Quarter	15,632	
1973		
4th Quarter	14,055	
3rd Quarter	9,211	
2nd Quarter	21,968	
1st Quarter	10,707	
1972		
4th Quarter	20,527	
3rd Quarter	83,389	
2nd Quarter	109,814	
1st Quarter	129,120	
1971		
4th Quarter	90,712	
3rd Quarter	41,538	
2nd Quarter	54,563	
1st Quarter	47,646	

Buckeye Carlsbad Hobbs

1970	
4th Quarter	17,924
3rd Quarter	18,054
2nd Quarter	44,079
1st Quarter	7,720
1969	
4th Quarter	29,265
3rd Quarter	13,800
2nd Quarter	18,475
1st Quarter	12,702
1968	
4th Quarter	20,894
3rd Quarter	23,197
2nd Quarter	30,921
1st Quarter	22,665

Pioneer - m19244
Total barrels for Drucker Brunwell at Buckeye, starting at Jan. 1968 thru Dec. 1985 - 3,386,916.5 BBls.

United Chemicals Corp. m19264
Total barrels for Druckers Brunwell at Carlsbad, starting at July 1976 thru Dec. 1985 - 3,103,096. BBls.

Unidom International Inc. m-19739
Total barrels for Druckers Brunwell at Hobbs, starting at Aug. 1980 thru Dec. 1985 - 1,493,276. BBls.

EXHIBIT #10

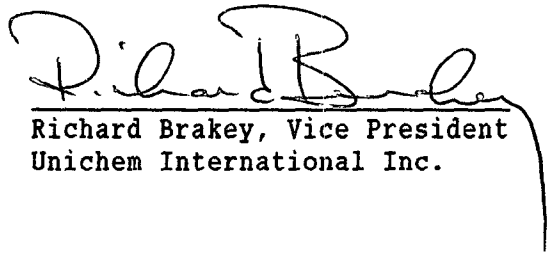
DISCHARGE PLAN SIGNATORY REQUIREMENT

In response to Item 5-101-H, Discharge Plan Signatory Requirement, Unichem International herein submits the following:

5-101 DISCHARGE PLAN AND OTHER REQUIREMENTS:

H. (1a) For a Corporation: By a principal executive officer of at least the level of vice president, or a representative who performs similar policy-making functions for the corporation who has the authority to sign for the corporation...

Richard Brakey functions as a Vice President of Unichem International and is authorized to sign for the company in reference to the Discharge Plan Signatory Requirement. Mr. Brakey's signature is contained herein:



Richard Brakey, Vice President
Unichem International Inc.

EXHIBIT #10