WFX 7-17-95
674

Shell Western E&P Inc.
An affiliate of Shell Oil Company

P. O. Box 576
Houston, TX 77001

June 26, 1995

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Gentlemen:

SUBJECT: EXPANSION OF WATERFLOOD PROJECT
SHELL - NORTHEAST DRINKARD UNIT
NORTH EUNICE BLINEBRY-TUBB-DRINKARD OIL & GAS POOL
WELL NOS. 110, 224, 308, 318 & 902
LEA COUNTY, NEW MEXICO

Shell Western E&P Inc. (SWEPI) respectfully requests administrative approval for expansion of the subject waterflood project. Division Order No. R-8541 granted November 9, 1987, authorized SWEPI to conduct the Northeast Drinkard Unit Waterflood Project within the subject pool.

The following information is submitted in support of this request:

1. Form C-108, with miscellaneous data attached;

2. A map reflecting the location of each of the proposed injection wells. Each map identifies wells and leases located within a two (2) miles radius of each of the proposed injectors and reflects a one-half (1/2) mile radius around each of the proposed injectors, this area being described as the well's Area of Review;

3. An Injection Well Data Sheet for each of the proposed injectors;

4. Tabulation of Data on wells located within the Area of Review;

5. List of Offset Operators and Surface Owners;

6. An Affidavit of Publication and "Legal Notice" newspaper clipping, and

7. All entities in Item Five have been notified by certified mail. (Copies of certified receipts are attached.)

Should you need any additional information or have any questions regarding this application, please contact the undersigned at (713) 544-3226.

Yours very truly,

Yvonne T. Iverson
Western Asset - Asset Administration
Continental Division

cc: State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
P. O. Box 1980
Hobbs, NM 88241-1980

State of New Mexico
Office of Land Commissioner
P. O. Box 1148
Santa Fe, NM 87504-1148

Offset Operators (See Attached List)

Surface Owners (See Attached List)

NORTHEAST DRINKARD UNIT
LIST OF OFFSET OPERATORS & SURFACE OWNERS

OFFSET OPERATORS

S.E. Cone, Jr.
P. O. Box 10321
Lubbock, TX 79408-3321

Conoco Inc.
1410 N. West County Road
Hobbs, NM 88240

Elliott Oil Company
P. O. Box 1355
Roswell, NM 88202-1355

Exxon Corporation
P. O.Box 1600
Midland, TX 79702-1600

John H. Hendrix, Corporation
P. O. Box 910
Eunice, NM 88231

SURFACE OWNERS

Muriel T. McNeill,
Individually and as
Trustee of the Will N. Terry Trust
P. O. Box 686
Hobbs, NM 88241

Marcia McNeill Blackburn
P. O. Box 3989
Abilene, TX 79604

Marilyn McNeill Cates
5661 S. Crestbrook
Morrison, CO 80465

Chris M. Furneaux
P. O. Box 575
Walden, CO 80480

Millard Deck
C/O National Bank of Texas
1777 N.E. Loop, #410, Suite 1250
San Antonio, TX 78217

Dallas McCasland
P. O Box 206
Eunice, NM 88231

State of New Mexico
Office of Land Commisioner
P. O. Box 1148
State Land Office Bldg.
Santa Fe, NM 87504-1148

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

FORM C-108
Revised 7-1-81

APPLICATION FOR AUTHORIZATION TO INJECT

I. Purpose: [X] Secondary Recovery [ ] Pressure Maintenance [ ] Disposal [ ] Storage
Application qualifies for administrative approval? [X] yes [ ] no

II. Operator: SHELL WESTERN E&P INC.

Address: P. O. BOX 576, HOUSTON, TX 77001 (5236 WCK)

Contact party: YVONNE T. IVERSON Phone: (713) 544-3226

III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? [X] yes [ ] no
If yes, give the Division order number authorizing the project R-8541.

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

* VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

* X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)

* XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: YVONNE T. IVERSON Title LAND REPRESENTATIVE

Signature: Yvonne T. Iverson Date: 6/26/95

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. HEARING SEPTEMBER 24, 1987

CASE NO. 9232, ORDER NO. R-8541

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

III. WELL DATA

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

(1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

(3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

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

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

(1) The name of the injection formation and, if applicable, the field or pool name.

(2) The injection interval and whether it is perforated or open-hole.

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

(5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

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

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

(1) The name, address, phone number, and contact party for the applicant;

(2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;

(3) the formation name and depth with expected maximum injection rates and pressures; and

(4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

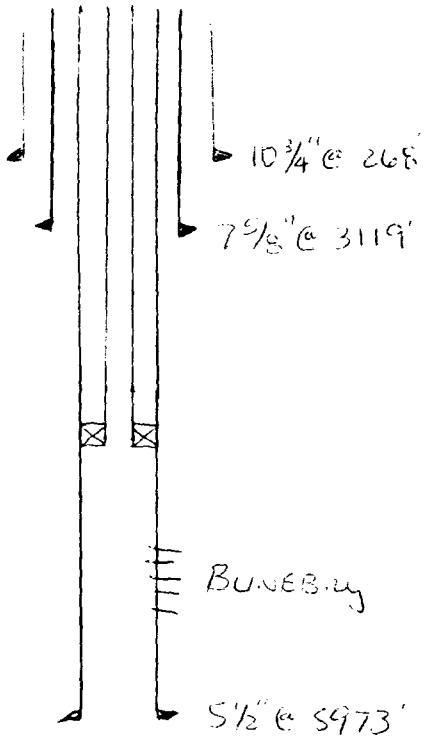
NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

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

INJECTION WELL DATA SHEET

OPERATOR	LEASE			
SUPERIOR	NORTHEAST DRINKARD UNIT (FORMERLY CONOCO) HAWK B-3 #18			
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
110	1980 FNL & 1980 FEL	3	21S	37E

Schematic



Tabular Data

Surface Casing

Size 10 3/4" Cemented with 250 sx.

TOC SURF feet determined by CIRC

Hole size 13 3/8"

Intermediate Casing

Size 7 5/8" Cemented with 1150 sx.

TOC 1350' feet determined by

Hole size 9 7/8"

Long string

Size 5 1/2" Cemented with 400 sx.

TOC 5000' feet determined by

Hole size 6 3/4"

Total depth 5973

Injection interval

5750 feet to 5950 feet PERFORATED
(perforated or open-hole, indicate which)

Tubing size 2 3/8" lined with FIBERGLASS EPOXY set in a
(material)

GUIBERSON UNI VI packer at ± 5700 feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation BUNEBRY

2. Name of Field or Pool (if applicable) N. EUNICE P/T/D OIL & GAS POOL

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

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

BUNEBRY OIL & GAS

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used)

NO

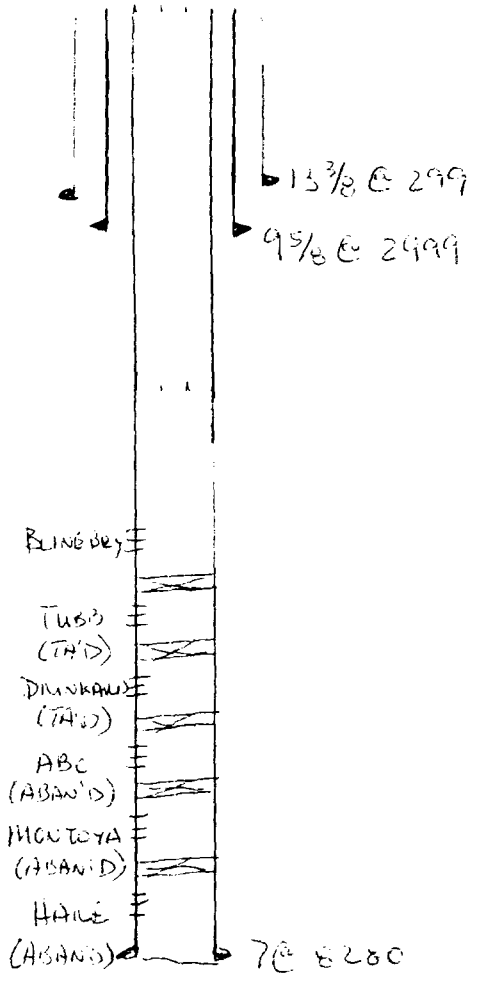
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.

INJECTION WELL DATA SHEET

OPERATOR	LEASE	
SWEPI	NORTHEAST DRINKARD UNIT (FORMERLY CHEVRON'S HALEY LEONARD #7)	

WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
224	4302.8 FSL & 2317 FEL	C	21S	37E

Schematic



Tabular Data

Surface Casing

Size 13 3/8" Cemented with 350 sx.

TOC SURF feet determined by CIRC

Hole size _____

Intermediate Casing

Size 9 5/8" Cemented with 1657 sx.

TOC 235 feet determined by TS

Hole size _____

Long string

Size 7" Cemented with 700 sx.

TOC _____ feet determined by _____

Hole size _____

Total depth 8280

Injection interval

5740 feet to 6800 feet (PERFORATED)

(perforated or open-hole, indicate which)

Tubing size 2 3/8" lined with FIBERGLASS EPOXY (material) set in a

GUIBERSON UNI III (brand and model) packer at ± 5800 feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation BLINEBRY / TUBB / DRINKARD

2. Name of Field or Pool (if applicable) U. BLINEBRY-TUBB-D OIL & GAS POOL

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

If no, for what purpose was the well originally drilled? HARE OIL & GAS

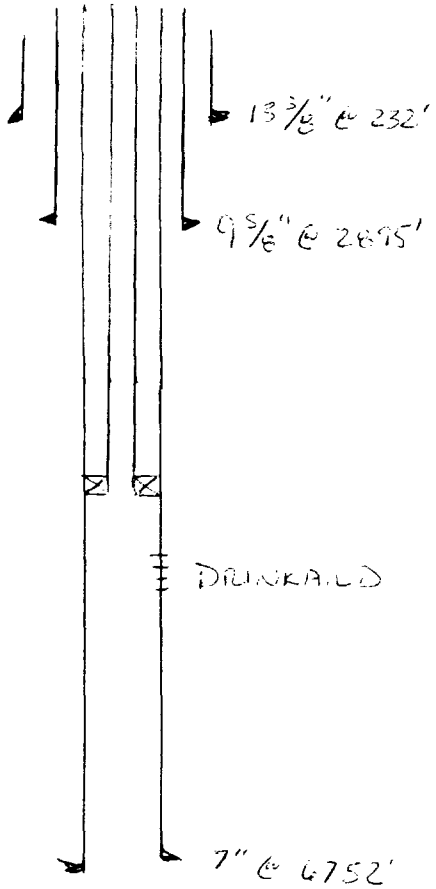
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) HARE (8000-8220) CIBP @ 7712, MONTOYA (7516-7702) CIBP @ 7350, ABC (7112-7213) CIBP @ 7050, DRINKARD (6634-6872) CICR @ 6609, TUBB (6387-6564) CIBP @ 6350

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

INJECTION WELL DATA SHEET

OPERATOR	LEASE			
SWEPI	NORTHEAST DRINKARD UNIT, HALEY B-3 #11 (FORMERLY CONOCO'S)			
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
308	1980' FSL & 660' FEL	3	21S	37E

Schematic



Tabular Data

Surface Casing

Size 13 3/8" Cemented with 250 sx.

TOC SURF. feet determined by CIRC.

Hole size 17 1/2"

Intermediate Casing

Size 9 5/8" Cemented with 1100 sx.

TOC 1350 feet determined by TS

Hole size 12 1/4"

Long string

Size 7" Cemented with 625 sx.

TOC 2850 feet determined by TS

Hole size 8 1/4"

Total depth 6753'

Injection interval

6566 feet to 6750 feet PERFORATED
(perforated or open-hole, indicate which)

Tubing size 2 3/8" lined with FIBERGLASS EPOXY (material) set in a

GUIBERSON UNI-VI (brand and model) packer at ±6500' feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation BLINEBRY / TUBB / DRINKARD
2. Name of Field or Pool (if applicable) N. EUNICE B/T/D OIL & GAS POOL
3. Is this a new well drilled for injection? ☐ Yes ☒ No

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

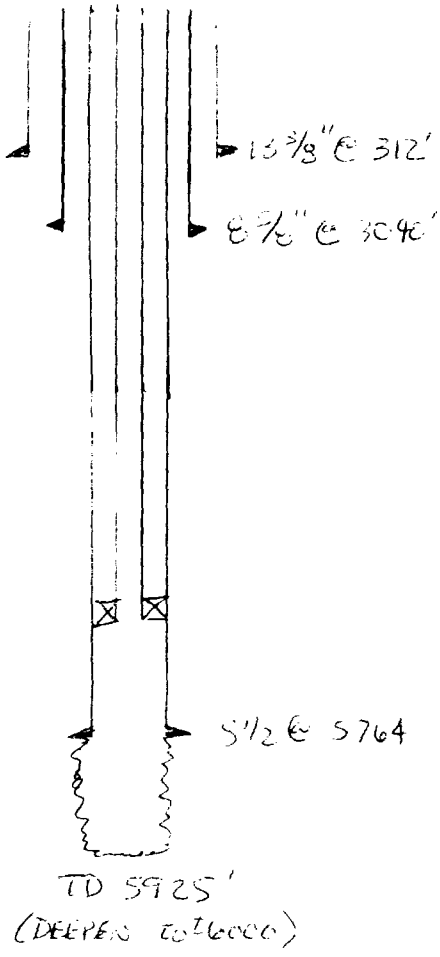
   DRINKARD OIL & GAS
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used)

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

INJECTION WELL DATA SHEET

OPERATOR	LEASE			
SWEPI	NORTHEAST DUNKARD UNIT (FORMERLY CHEVRON'S HARRY LEONARD #18)			
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
31E	1650 FSL & 1980 FEL	2	2-21S	37E

Schematic



Tabular Data

Surface Casing

Size 13 3/8" Cemented with 375 sx.

TOC SURF feet determined by CIRC

Hole size 17 1/2"

Intermediate Casing

Size 8 5/8" Cemented with 1650 sx.

TOC SURF feet determined by CIRC

Hole size 11"

Long string

Size 5 1/2" Cemented with 675 sx.

TOC 3325 feet determined by _____

Hole size 7 7/8"

Total depth 5925

Injection interval

5764 feet to 6000 feet OPEN HOLE
(perforated or open-hole, indicate which)

Tubing size 2 3/8" lined with FIBERGLASS EPOXY set in a
(material)

GUIBERSON UNI II packer at 5700 feet
(brand and model)

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation BENEBERRY

2. Name of Field or Pool (if applicable) N. EUREKA B/T/D OIL & GAS POOL

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

If no, for what purpose was the well originally drilled? BENEBERRY OIL & GAS

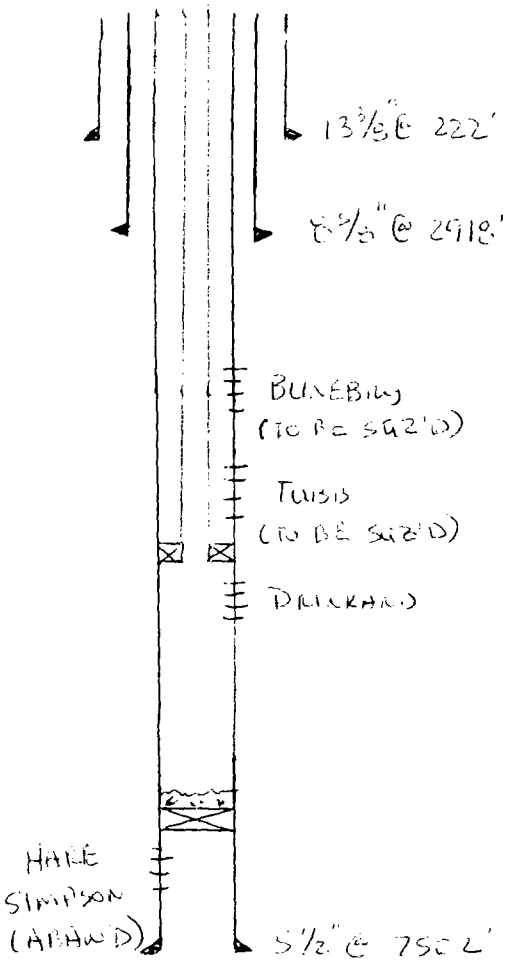
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) A-10

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

INJECTION WELL DATA SHEET

OPERATOR	LEASE			
SWEPI	NORTHEAST DRINKARD UNIT (FORMERLY SWEPI'S TULOMA #10)			
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
902	2080' FSL & 1650' FWL	22	21S	37E

Schematic



Tabular Data

Surface Casing

Size 13 3/8" Cemented with 300 sx.

TOC SURF feet determined by CIRC

Hole size 17 1/4"

Intermediate Casing

Size 8 5/8" Cemented with 2000 sx.

TOC SURF feet determined by CIRC

Hole size 11"

Long string

Size 5 1/2" Cemented with 500 sx.

TOC 3800' feet determined by T.S.

Hole size 7 7/8"

Total depth 7502'

Injection interval

6470 feet to 6640 feet PERFORATED

(perforated or open-hole, indicate which)

Tubing size 2 3/8" lined with FIBERGLASS EPOXY (material) set in a

GUIBERSON UNI III (brand and model) packer at ±6400 feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation BLINEBRY / TUBB / DRINKARD

2. Name of Field or Pool (if applicable) N. ELLIOTT B/T/D OIL & GAS POOL

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

If no, for what purpose was the well originally drilled? HARE SIMPSON OIL & GAS

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) YES, HARE SIMPSON (7356 - 7499'), CIBP CAPPED W/ CMT @ 7300'

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

ATTACHMENT FOR FORM C-108
NORTHEAST DRINKARD UNIT
MISCELLANEOUS DATA

III. WELL DATA

B.(5) next higher oil zone - Paddock @ +/- 5200'
next lower oil zone - Abo @ +/- 6750'

VII. PROPOSED OPERATION

1. Average Injection Rate 1350 BWPD
Maximum Injection Rate 2000 BWPD

2. Closed Injection System.

3. Average Injection Pressure 1000 psi
Maximum Injection Pressure Approximately 1200 psi
(Will not exceed 0.2 psi/ft.
to top perforation.)

4. Source Water - San Andres - Analysis attached.

IX. STIMULATION PROGRAM

Acid treatment schedule will be determined following evaluation of GR/CNL/CCL (to be run prior to perforating the unitized interval).

SWEP-257

$CaCO_3$ 0.44
$CaSO_4$ N

SHELL WESTERN E&P INC.
WATER ANALYSIS REPORT
WESTERN DIVISION

SAMPLE DESCRIPTION

COMPANY Shell Western E&P, Inc.
FIELD
LEASE CDU
WELL NUMBER
COUNTY & STATE
PRODUCING FORMATION San Andres
WHERE SAMPLED Water Supply Well #200
REMARKS

LABORATORY Martin Water Labs., Inc.
LABORATORY NUMBER 387246
DATE SAMPLE TAKEN 3-17-87
DATE SAMPLE RECEIVED 3-26-87
DATE SAMPLE REPORTED 3-30-87

CHEMICAL AND PHYSICAL PROPERTIES

TOTAL HARDNESS Mg/L AS $CaCO_3$
TOTAL ALKALINITY Mg/L AS $CaCO_3$ 760

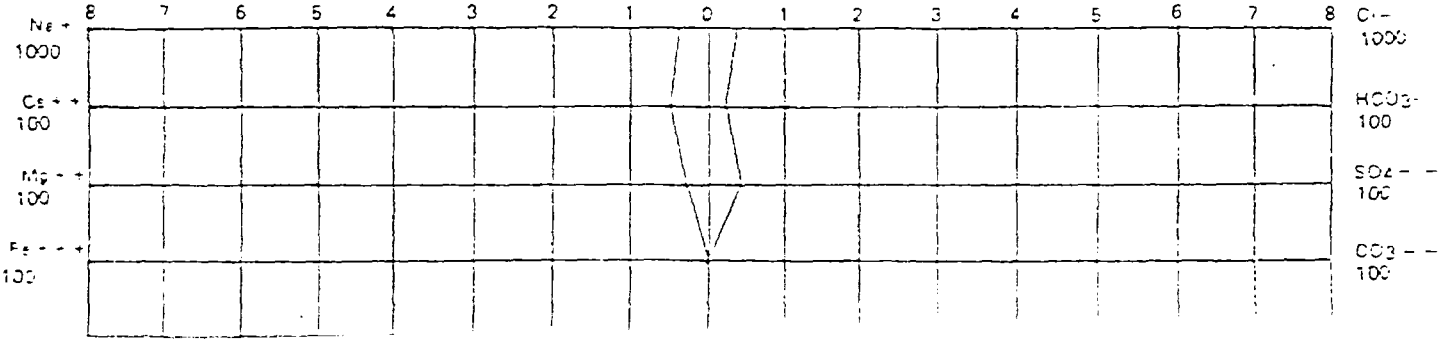
CONSTITUENT	Mg/LITER	REACT. COEF.	Meq/LITER
SODIUM (INCL. POTASSIUM) AS Na^+	10,057	0.04350	437.3
CALCIUM – Ca^{++}	1,000	0.04930	49.9
MAGNESIUM – Mg^{++}	334	0.08224	27.5
IRON TOTAL – Fe^{++} & Fe^{+++}	2.9	0.03581	0.1
BARIUM – Ba^{++}		0.01460	
POSITIVE SUB-TOTAL	11,394		514.8
CHLORIDE – Cl^-	14,914	0.02820	420.6
~~TOTAL ALKALINITY~~ BICARBONATE – ~~$CaCO_3$~~ & HCO_3^-	927	0.01639 *	15.2
SULFATE – $SO_4^=$	2,027	0.02082	42.2
HYDROXYL – OH^-	0	0.05880	0.0
SULFIDE – $S^=$	589	0.06238	36.8
NEGATIVE SUB-TOTAL	18,457		514.8
TOTAL DISSOLVED SOLIDS	29,851		1,029.6

* BICARBONATE

SPECIFIC GRAVITY 1.0222 @ 60 °F pH 6.74 RES. 0.270 @ 80 °F

ANALYST
REQUESTED BY Mr. Donnie Anderson, Hobbs

REACTION VALUE = (MILLIGRAMS/LITER) X (REACTION COEFFICIENT)
REACTION COEFFICIENT = VALENCE ÷ MOLECULAR WEIGHT.



SWEP-257

SHELL WESTERN E&P INC.

WATER ANALYSIS REPORT

MID-CONTINENT DIVISION

SAMPLE DESCRIPTION

COMPANY SWEPI
FIELD DRINKARD
LEASE TURNER
WELL NUMBER 2
COUNTY & STATE LEA, NEW MEXICO
PRODUCING FORMATION BLINEBERRY
WHERE SAMPLED
REMARKS

LABORATORY
LABORATORY NUMBER
DATE SAMPLE TAKEN 4/8
DATE SAMPLE RECEIVED 4/8
DATE SAMPLE REPORTED 4/9

CHEMICAL AND PHYSICAL PROPERTIES

TOTAL HARDNESS Mg/L AS $Ca CO_3$ 30500

TOTAL ALKALINITY Mg/L AS $Ca CO_3$ 202

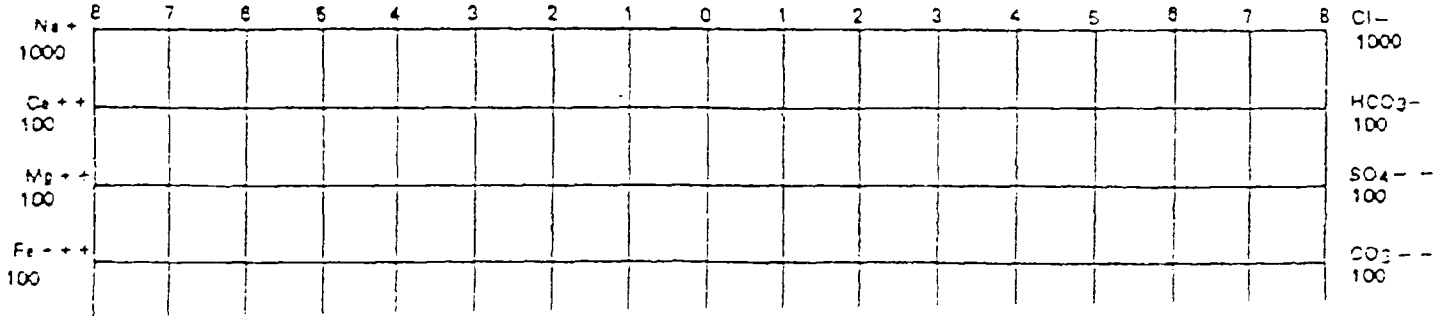
CONSTITUENT	Mg/LITER	REACT. COEF.	Meq/LITER
SODIUM (INCL. POTASSIUM) AS $Na+$	46995	0.04350	
CALCIUM – $Ca++$	7400	0.04990	
MAGNESIUM – $Mg++$	2916	0.08224	
IRON TOTAL – $Fe++$ & $Fe+++$	44	0.03581	
BARIUM – $Ba++$	0	0.01460	
POSITIVE SUB-TOTAL	57355		
CHLORIDE – $Cl-$	93035	0.02820	
CARBONATE & BICARBONATE – $CO_3=$ & HCO_3-	246	0.01639 *	
SULFATE – $SO_4=$	1262	0.02082	
HYDROXYL – $OH-$	0	0.05880	
SULFIDE – $S=$	0	0.06238	
NEGATIVE SUB-TOTAL	94543		
TOTAL DISSOLVED SOLIDS	151898		

* BICARBONATE

SPECIFIC GRAVITY 1.1068 @ 60 °F pH 6.33 RES. .069 @ 80 °F

ANALYST
REQUESTED BY

REACTION VALUE = (MILLIGRAMS/LITER) X (REACTION COEFFICIENT)
REACTION COEFFICIENT = VALENCE ÷ MOLECULAR WEIGHT.



$CaCO_3$ -0.87 (NONE

$CaSO_4$ N

SHELL WESTERN E&P INC.

WATER ANALYSIS REPORT

WESTERN DIVISION

SAMPLE DESCRIPTION

COMPANY Shell Western E&P, Inc.
FIELD Drinkard
LEASE Argo
WELL NUMBER #5
COUNTY & STATE Lea, NM
PRODUCING FORMATION Tubb
WHERE SAMPLED
REMARKS

LABORATORY Martin Water Labs., Inc.
LABORATORY NUMBER 38790
DATE SAMPLE TAKEN
DATE SAMPLE RECEIVED 3-12-87
DATE SAMPLE REPORTED 3-16-87

CHEMICAL AND PHYSICAL PROPERTIES

TOTAL HARDNESS Mg/L AS $Ca CO_3$ 5,750

TOTAL ALKALINITY Mg/L AS $Ca CO_3$ 90

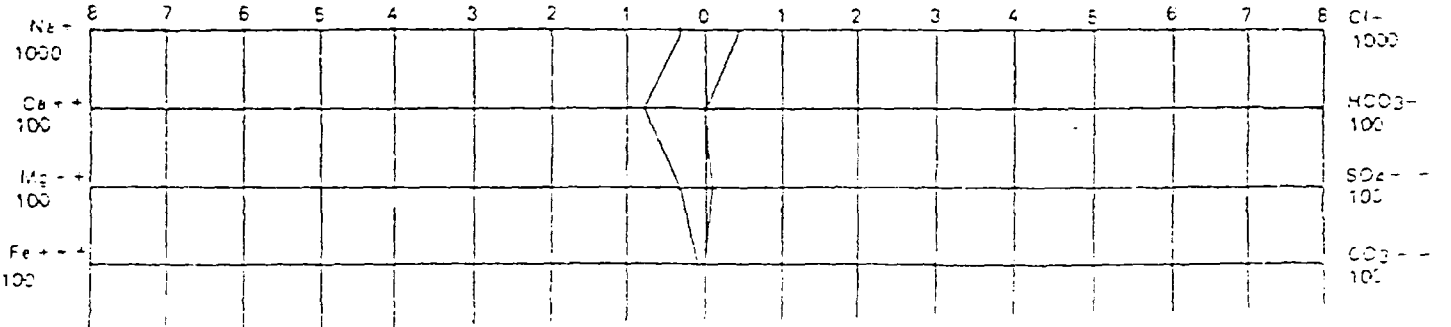
CONSTITUENT	Mg/LITER	REACT. COEF.	Meq/LITER
SODIUM (INCL. POTASSIUM) AS Na^+	6,152	0.04350	267.4
CALCIUM – Ca^{++}	1,640	0.04990	81.8
MAGNESIUM – Mg^{++}	401	0.08224	33.0
IRON TOTAL – Fe^{++} & Fe^{+++}	255	0.03581	9.2
BARIUM – Ba^{++}	0	0.01460	0.0
POSITIVE SUB-TOTAL	8,448		391.4
CHLORIDE – Cl^-	13,494	0.02820	380.5
~~CARBONATE~~ & BICARBONATE – ~~$CO_3^=$~~ & HCO_3^-	110	0.01639 *	1.8
SULFATE – $SO_4^=$	438	0.02082	9.1
HYDROXYL – OH^-	0	0.05880	0.0
SULFIDE – $S^=$	0.0	0.06238	0.0
NEGATIVE SUB--TOTAL	14,041		391.4
TOTAL DISSOLVED SOLIDS	22,490		782.8

* BICARBONATE

SPECIFIC GRAVITY 1.0181 @ 60 °F pH 6.02 RES. 0.390 @ 80 °F

ANALYST
REQUESTED BY Mr. Donnie Anderson, Hobbs

REACTION VALUE = (MILLIGRAMS/LITER) X (REACTION COEFFICIENT)
REACTION COEFFICIENT = VALENCE ÷ MOLECULAR WEIGHT.



$CaCO_3$ -0.58(NONE

$CaSO_4$ N

SHELL WESTERN E&P INC.

WATER ANALYSIS REPORT

WESTERN DIVISION

SAMPLE DESCRIPTION

COMPANY Shell Western E&P, Inc.
FIELD Drinkard
LEASE Argo "A"
WELL NUMBER #3
COUNTY & STATE Lea, NM
PRODUCING FORMATION Drinkard
WHERE SAMPLED
REMARKS

LABORATORY Martin Water Labs., Inc.
LABORATORY NUMBER 38791
DATE SAMPLE TAKEN
DATE SAMPLE RECEIVED 3-12-87
DATE SAMPLE REPORTED 3-16-87

CHEMICAL AND PHYSICAL PROPERTIES

TOTAL HARDNESS Mg/L AS $CaCO_3$ 23,200

TOTAL ALKALINITY Mg/L AS $CaCO_3$ 106

CONSTITUENT	Mg/LITER	REACT. COEF.	Meq/LITER
SODIUM (INCL. POTASSIUM) AS Na^+	26,603	0.04350	1,156.6
CALCIUM – Ca^{++}	6,920	0.04990	345.3
MAGNESIUM – Mg^{++}	1,434	0.08224	117.9
IRON TOTAL – Fe^{++} & Fe^{+++}	351	0.03581	12.6
BARIUM – Ba^{++}	0	0.01460	0.0
POSITIVE SUB-TOTAL	35,308		1,632.4
CHLORIDE – Cl^-	57,525	0.02820	1,622.2
~~CARBONATE~~ & BICARBONATE – ~~$CO_3^=$~~ & HCO_3^-	129	0.01636 *	2.1
SULFATE – $SO_4^=$	390	0.02082	8.1
HYDROXYL – OH^-	0	0.05880	0.0
SULFIDE – $S^=$	0.0	0.06238	0.0
NEGATIVE SUB-TOTAL	58,045		1,632.4
TOTAL DISSOLVED SOLIDS	93,353		3,264.8

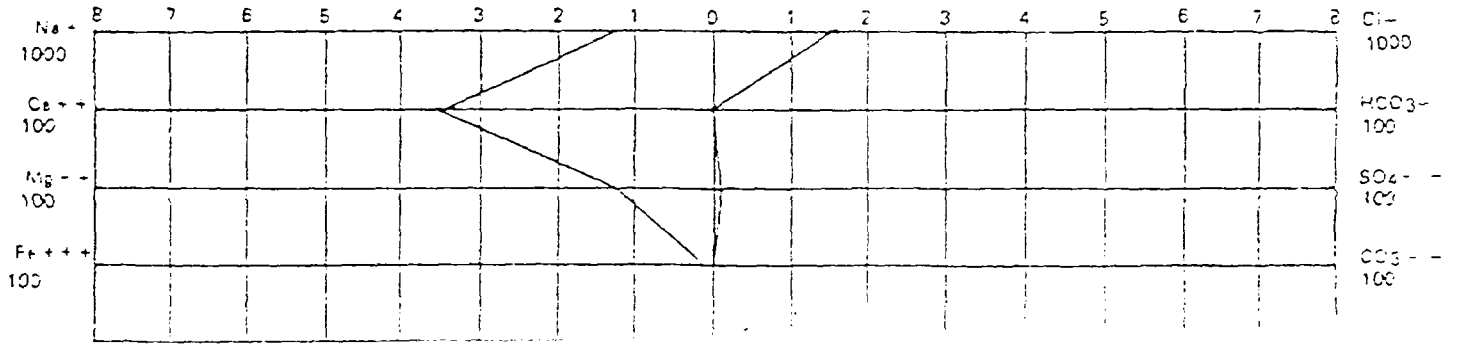
* BICARBONATE

SPECIFIC GRAVITY 1.0651 @ 60 °F pH 5.9 RES 0.098 @ 60 °F

ANALYST

REQUESTED BY Mr. Donnie Anderson, Hobbs

REACTION VALUE = (MILLIGRAMS/LITER) X (REACTION COEFFICIENT)
REACTION COEFFICIENT = VALENCE ÷ MOLECULAR WEIGHT.



SWEP-257

$CaCO_3$ 0.63

$CaSO_4$ 10.22

SHELL WESTERN E&P INC.

WATER ANALYSIS REPORT

WESTERN DIVISION

SAMPLE DESCRIPTION

COMPANY Shell Western E&P, Inc.
FIELD Drinkard
LEASE Sarkey
WELL NUMBER
COUNTY & STATE Lea, NM
PRODUCING FORMATION
WHERE SAMPLED
REMARKS

LABORATORY Martin Water Labs., Inc.
LABORATORY NUMBER 48739
DATE SAMPLE TAKEN 3-30-87
DATE SAMPLE RECEIVED 4-2-87
DATE SAMPLE REPORTED 4-8-87

CHEMICAL AND PHYSICAL PROPERTIES

TOTAL HARDNESS Mg/L AS $CaCO_3$ 29,600

TOTAL ALKALINITY Mg/L AS $CaCO_3$ 330

CONSTITUENT	Mg/LITER	REACT. COEF.	Meq/LITER
SODIUM (INCL. POTASSIUM) AS Na^+	25,607	0.04350	1,113.4
CALCIUM – Ca^{++}	8,680	0.04990	433.1
MAGNESIUM – Mg^{++}	1,920	0.08224	157.9
IRON TOTAL – Fe^{++} & Fe^{+++}	21.6	0.03581	0.8
BARIUM – Ba^{++}	0	0.01460	0.0
POSITIVE SUB–TOTAL	36,228		1,705.2
CHLORIDE – Cl^-	58,946	0.02820	1,662.3
~~CARBONATE~~ & BICARBONATE – ~~$CO_3^=$~~ & HCO_3^-	403	0.01639 *	6.6
SULFATE – $SO_4^=$	1,742	0.02082	36.3
HYDROXYL – OH^-	0	0.05880	0.0
SULFIDE – $S^=$	0.0	0.06238	0.0
NEGATIVE SUB–TOTAL	61,090		1,705.2
TOTAL DISSOLVED SOLIDS	97,318		3,410.4

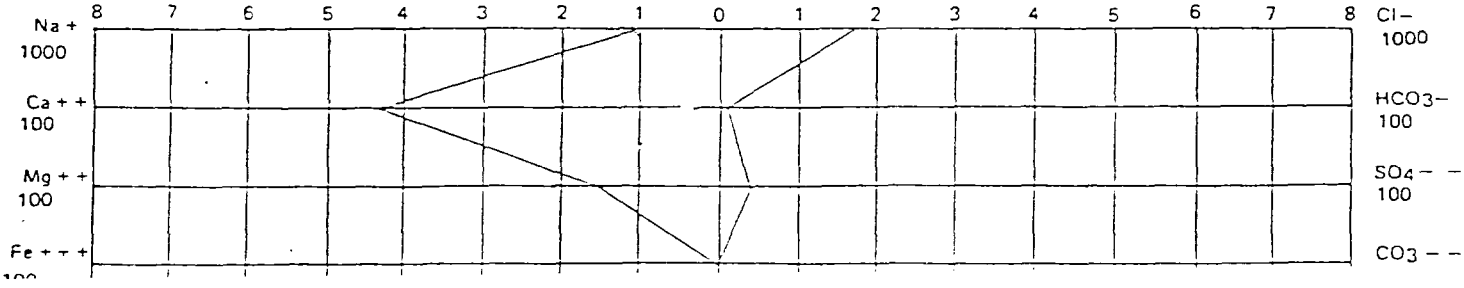
* BICARBONATE

SPECIFIC GRAVITY 1.0770 @ 60 °F pH 6.49 RES. 0.096 @ 80 °F

ANALYST

REQUESTED BY Mr. Donnie Anderson, Hobbs

REACTION VALUE = (MILLIGRAMS/LITER) X (REACTION COEFFICIENT)
REACTION COEFFICIENT = VALENCE ÷ MOLECULAR WEIGHT.



CORE DATA SUMMARY

$k \geq 0.1$ md

	BLINEBRY	TUBB	DRINKARD
POROSITY (%)	9.79	8.28	11.00
PERM. (md)	2.45	1.19	2.45
LITHOLOGY	DOLOMITE PACKSTONE	SANDY DOLOMITE	LIMESTONE PACKSTONE GRAINSTONE
PORE TYPES	BP, BC, MO		BP, MO

2VW001107

UNICHEM INTERNATIONAL

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

W A T E R A N A L Y S I S

ALL RESULTS EXPRESSED IN PPM UNLESS OTHERWISE NOTED

CLIENT NAME:	SHELL OIL CO.	DATE:	09/08/87
FACILITY:	DRINKARD	SAMPLE DATE:	09/08/87
LOCATION:	SEC. 10	DATE ANALYZED:	09/08/87

SAMPLE IDENTIFICATION :		NORTH	SOUTH
PH		7.43	7.45
PHENO ALKALINITY	(CaCO3)	NIL	NIL
TOTAL ALKALINITY	(CaCO3)	164	246
BICARBONATE	(HCO3)	200.1	300.1
CARBONATE	(CO3)	NIL	NIL
HYDROXIDE	(OH)	NIL	NIL
TOTAL HARDNESS	(CaCO3)	880	344
CALCIUM	(Ca)	200.0	78.4
CALCIUM	(CaCO3)	500	196
MAGNESIUM	(Mg)	91.2	35.5
MAGNESIUM	(CaCO3)	380	148
CHLORIDE	(Cl)	438	130
CHROMATE	(CrO4)	***	***
SULFATE	(SO4)	345	438
TOTAL PHOSPHATE	(PO4)	***	***
ORTHO PHOSPHATE	(PO4)	***	***
POLY PHOSPHATE	(PO4)	***	***
SILICA	(SiO2)	***	***
SILICA	(CaCO3)	***	***
SPECIFIC CONDUCTANCE	(mmhos)	2230	1270
IRON	(Fe)	***	***
COPPER	(Cu)	***	***
CALCULATED :			
TOTAL DISSOLVED SOLIDS		1394	1231
SODIUM	(Na)	120	249

ANALYZED BY: _____ (HOBBS LAB) APPROVED BY: _____

** INDICATES THAT THIS TEST WAS NOT RUN

UNICHEM INTERNATIONAL

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

WATER ANALYSIS

ALL RESULTS EXPRESSED IN PPM UNLESS OTHERWISE NOTED

CLIENT NAME: SHELL OIL CO.
FACILITY: NE DRINKARD
LOCATION:

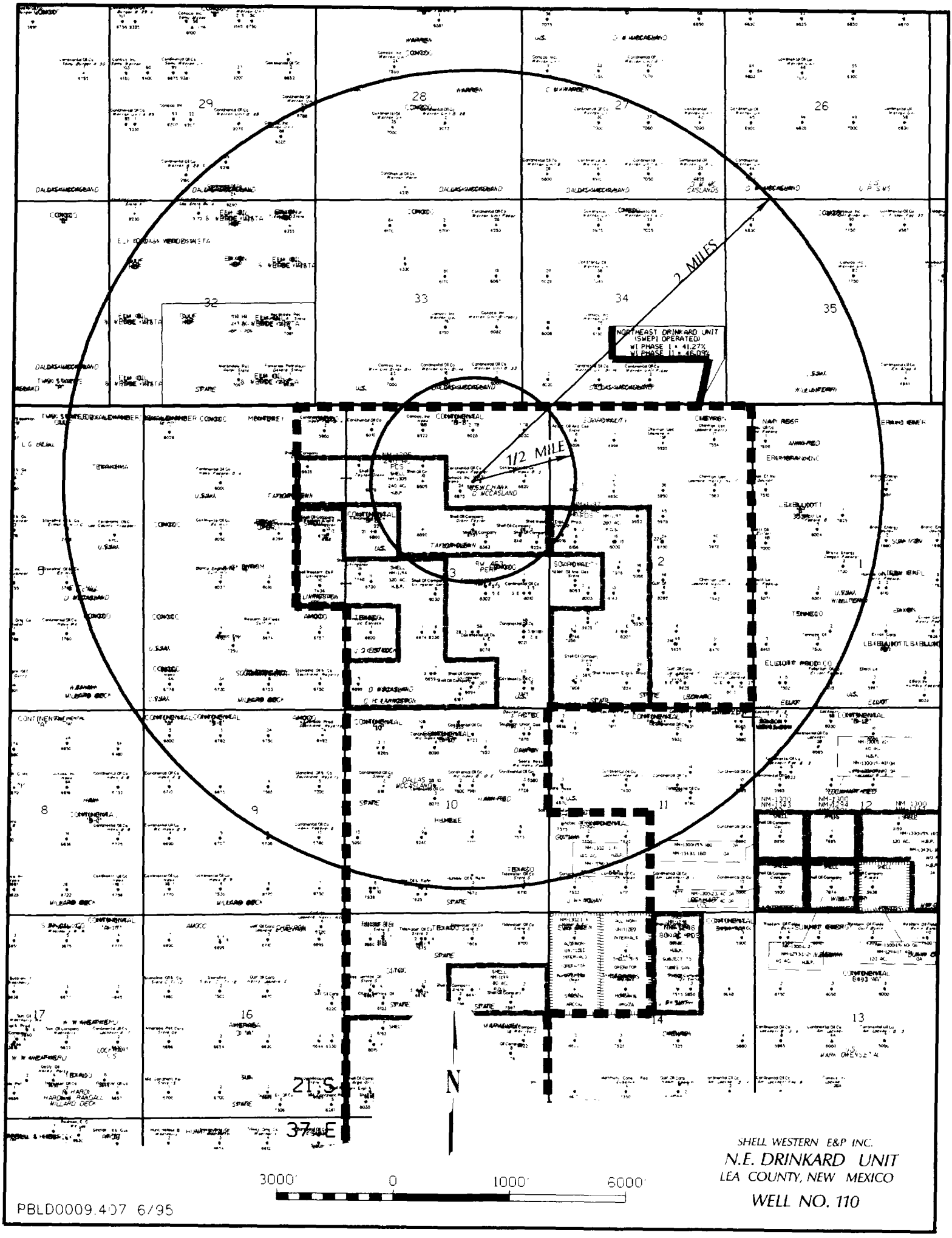
DATE: 09/21/87
SAMPLE DATE: 09/21/87
DATE ANALYZED: 09/21/87

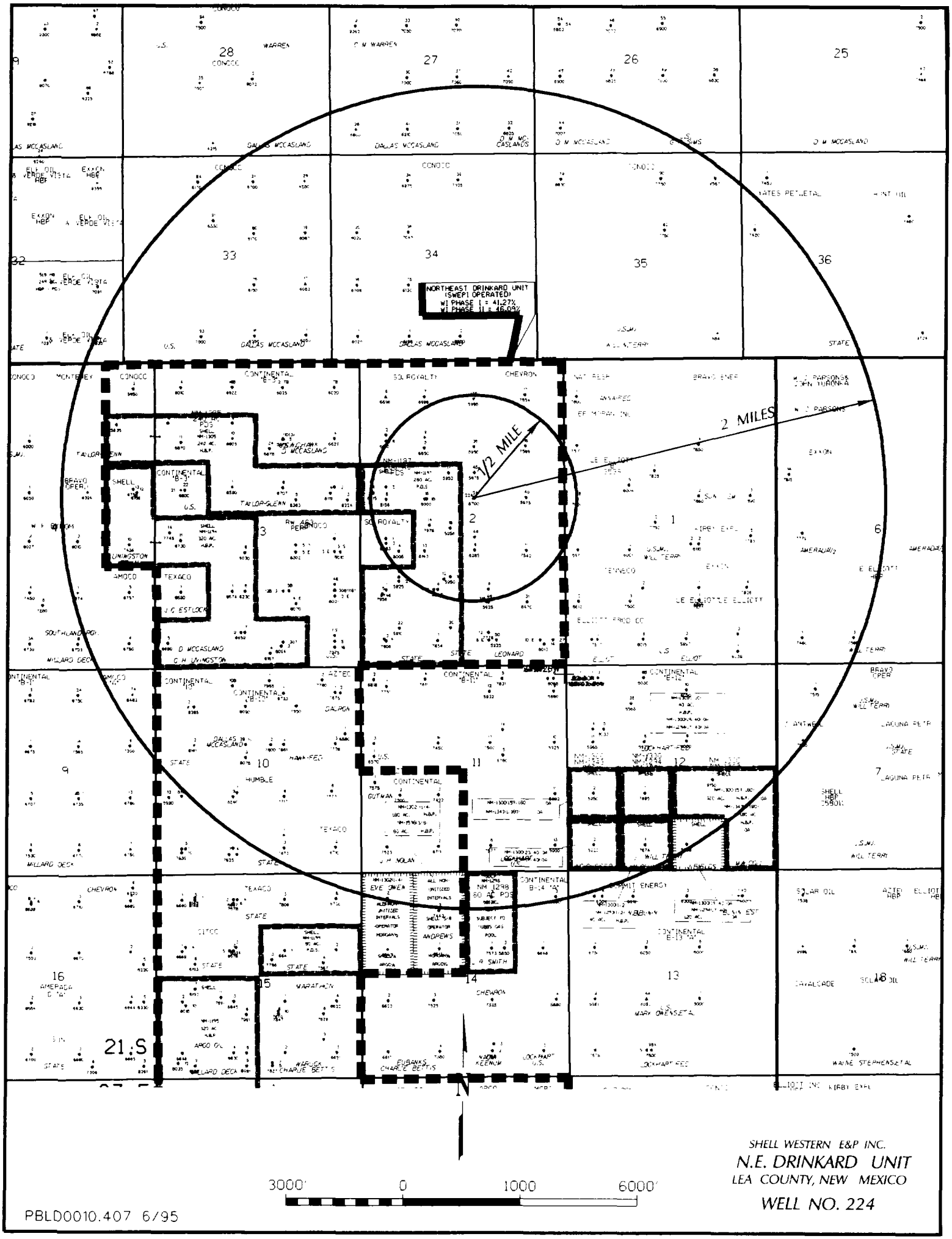
SAMPLE IDENTIFICATION :		14	15
pH		7.45	9.01
PHENO ALKALINITY	(CaCO3)	NIL	36
TOTAL ALKALINITY	(CaCO3)	248	120
BICARBONATE	(HCO3)	302.6	58.6
CARBONATE	(CO3)	NIL	43.2
HYDROXIDE	(OH)	NIL	NIL
TOTAL HARDNESS	(CaCO3)	344	248
CALCIUM	(Ca)	83.2	41.6
CALCIUM	(CaCO3)	208	104
MAGNESIUM	(Mg)	32.6	34.6
MAGNESIUM	(CaCO3)	136	144
CHLORIDE	(Cl)	148	160
CHROMATE	(CrO4)	***	***
SULFATE	(SO4)	250	164
TOTAL PHOSPHATE	(PO4)	***	***
ORTHO PHOSPHATE	(PO4)	***	***
POLY PHOSPHATE	(PO4)	***	***
SILICA	(SiO2)	***	***
SILICA	(CaCO3)	***	***
SPECIFIC CONDUCTANCE	(mmhos)	1001	924
IRON	(Fe)	***	***
COPPER	(Cu)	***	***
CALCULATED :			
TOTAL DISSOLVED SOLIDS		987	625
SODIUM	(Na)	171	123

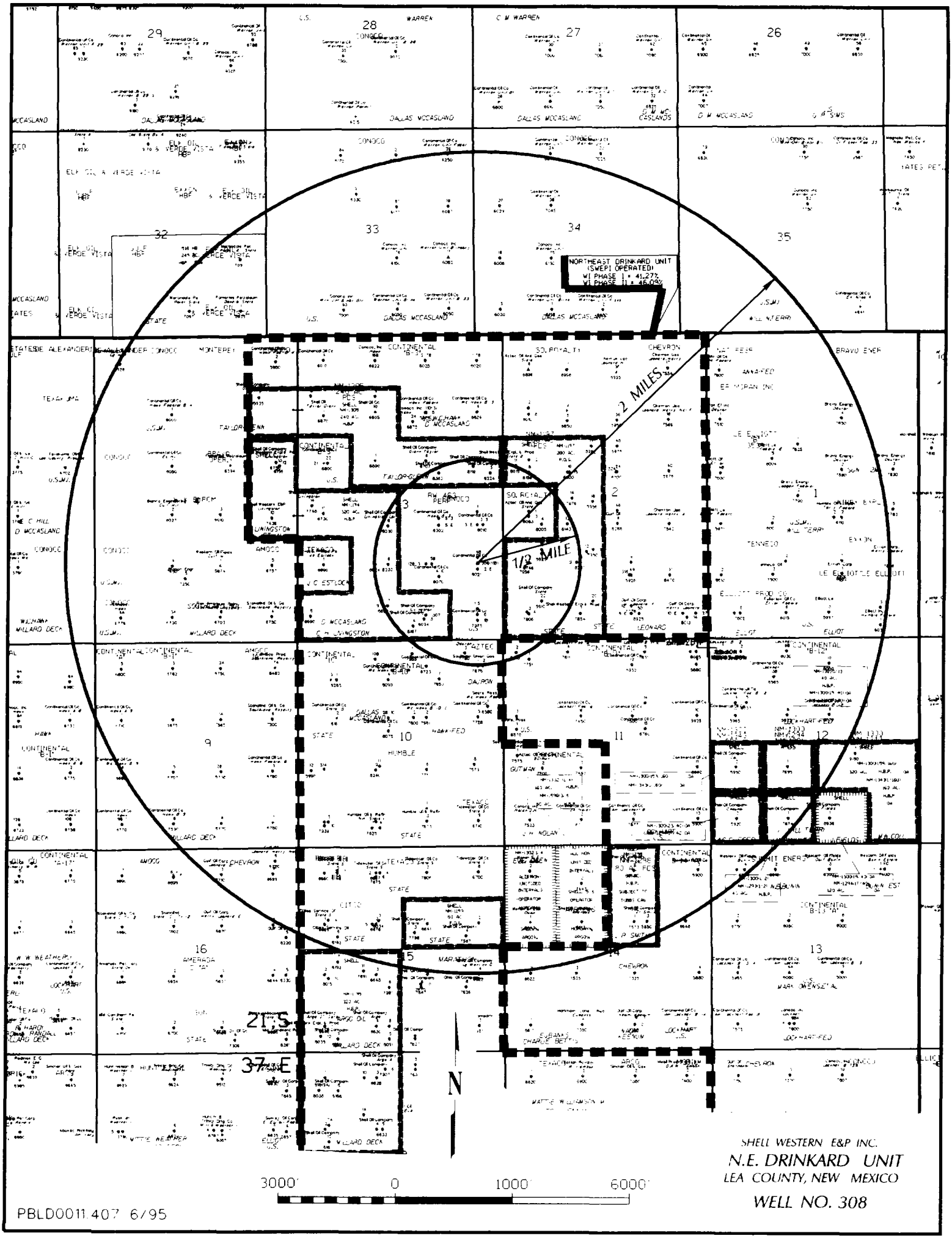
ANALYZED BY: Dyke Dunning (HOBBS LAB)

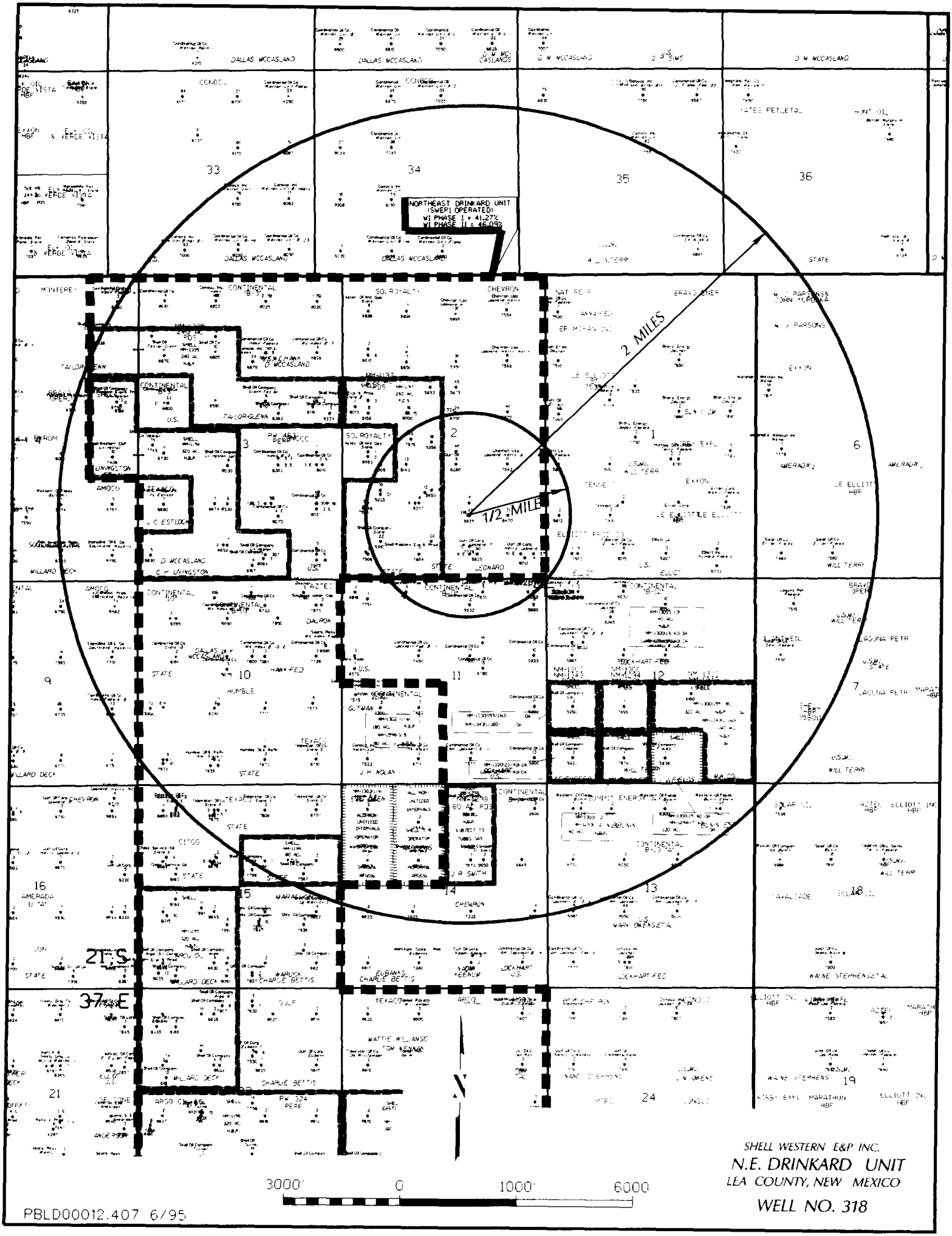
APPROVED BY: _____

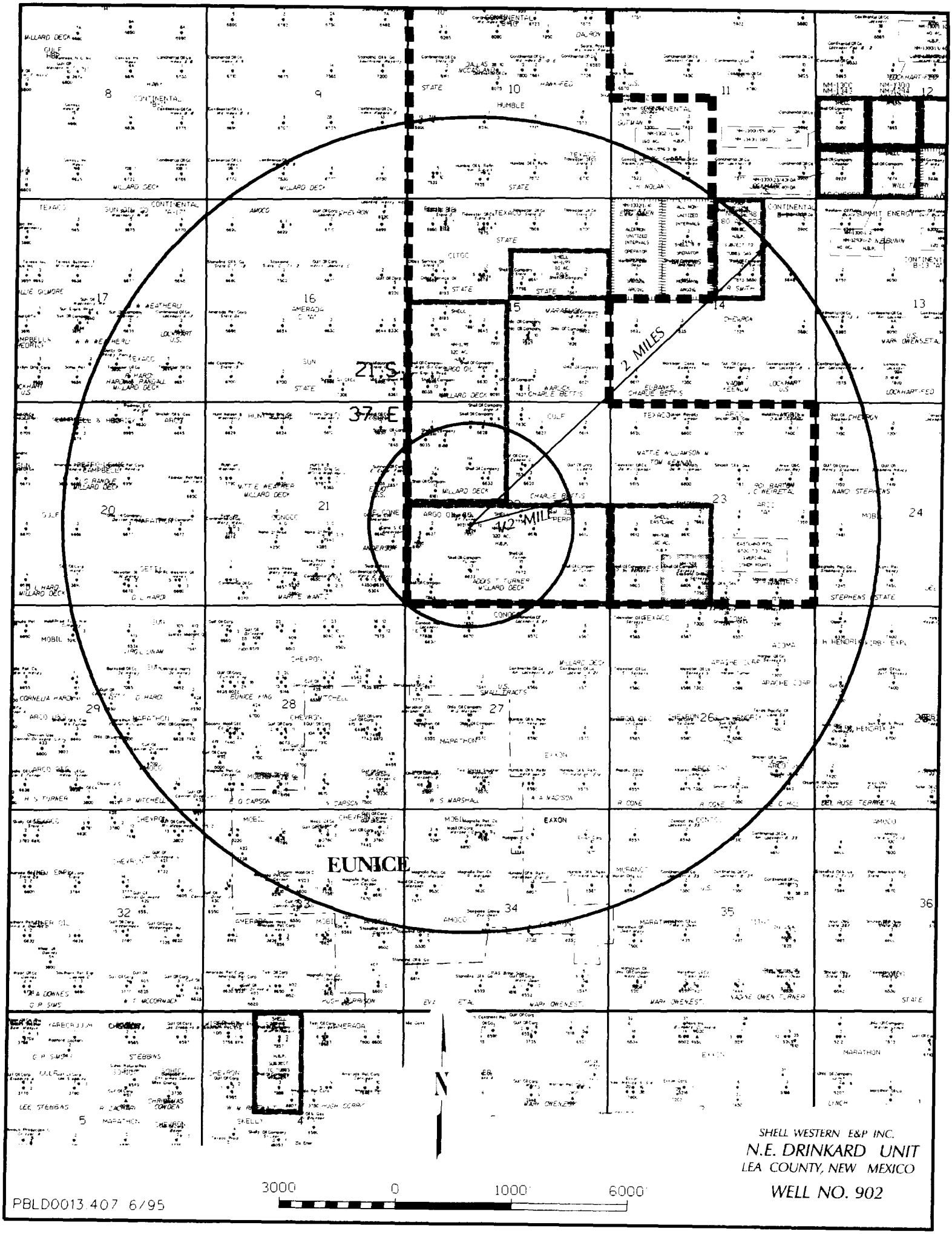
*** INDICATES THAT THIS TEST WAS NOT RUN


2 MILES
1/2 MILE
NORTHEAST DRINKARD UNIT
(SWEPI OPERATED)
WI PHASE I = 41.27%
WI PHASE II = 46.09%
N
21 S
37 E
3000' 0 1000' 6000'
SHELL WESTERN E&P INC.
N.E. DRINKARD UNIT
LEA COUNTY, NEW MEXICO
WELL NO. 110
PBLD0009.407 6/95


NORTHEAST DRINKARD UNIT
(SWEPI OPERATED)
WI PHASE I = 41.27%
WI PHASE II = 46.09%
2 MILES
1/2 MILE
3000' 0 1000 6000'
SHELL WESTERN E&P INC.
N.E. DRINKARD UNIT
LEA COUNTY, NEW MEXICO
WELL NO. 224
PBLD0010.407 6/95


NORTHEAST DRINKARD UNIT
(SWEPT OPERATED)
WI PHASE I = 41.27%
WI PHASE II = 46.09%
2 MILES
1/2 MILE
N
3000' 0 1000 6000'
SHELL WESTERN E&P INC.
N.E. DRINKARD UNIT
LEA COUNTY, NEW MEXICO
WELL NO. 308
PBLD0011.407 6/95


NORTHEAST DRINKARD UNIT
(SWEPI OPERATED)
WI PHASE I = 41.27%
WI PHASE II = 46.03%
2 MILES
1/2 MILE
21 S
37 E
3000' 0 1000' 6000'
SHELL WESTERN E&P INC.
N.E. DRINKARD UNIT
LEA COUNTY, NEW MEXICO
WELL NO. 318
PBLD00012.407 6/95



SHELL WESTERN E&P INC.

N.E. DRINKARD UNIT

LEA COUNTY, NEW MEXICO

WELL NO. 902

PBLD0013.407 6/95

NORTHEAST DRINKARD UNIT
(SWEPI OPERATED)
WI PHASE I = 41.27%
WI PHASE II = 46.09%

117 ACR TOTAL

33 34 35 36

DALLAS MCCASLAND · D M MCCASLAND · D M MC-CASLANDS · U.S. G P SIMS · D M MCCASLAND

CONOCO · CONOCO INC · CONTINENTAL · SO. ROYALTY · CHEVRON · NAT RESR · BRAVO ENER · W J PARSONS & JOHN YURONKA · YATES PET.,ETAL · HUNT OIL

U.S. · U.S.M.J. · WILL N.J TERRY · STATE

ANNA-FED · ER MORAN INC · W J PARSONS · EXXON · LE ELLIOTT · SUN 1/2W · KIRBY EXPL · AVERADA 1/2 · LE ELLIOTT HBP

SHELL · NM-1305 · 240 AC. H.B.P. · NM-1197 · 280 AC. P.D.S. · NM-1194 · 320 AC. H.B.P. · RW 463 PERF · SHELL NM-1199 80 AC. P.D.S.

TAYLOR-GLENN · LIVINGSTON · AMOCO · TEXACO · J C ESTLOCK · D MCCASLAND · C H LIVINGSTON · U.S. · TENNECO · J H. HENDRIX · ELLIOTT PROD CO · EXXON · LE ELLIOTT · ELLIOT · U.S. · WILL TERRY

AMOCO · CONTINENTAL · AZTEC · DAURON · DALLAS MCCASLAND · HAWK-FED · HUMBLE · TEXACO · GUTMAN · J H NOLAN · LOCKHART-FED · NM-1300 · NM-1343 · NM-1294 · NM-1300 · NM-1478 · BRAVO OPER · J ANTWEIL · LAGUNA · U.S.M.J. · WILL TERRY · SHELL HBP 058011

CHEVRON · CITGO · STATE · EVELYN · ALL NON-UNITIZED INTERVALS · 80 AC P.D.S. · SUBJECT TO TUBBS GAS · J R SMITH · CONTINENTAL · SUMMIT ENERGY · N.B.BUNIN · BUNIN EST · SOLAR OIL · AZTEC HBP

AMOCO · CONTINENTAL · DALLAS MCCASLAND · STATE · HUMBLE · TEXACO · CONTINENTAL B-12 · LOCKHART-FED · NM-1300 · NM-1343 · NM-1294 · NM-1300 · NM-1478 · U.S.M.J. · WILL TERRY · LAGUNA · U.S.M.J. STAT · SHELL HBP 058011

CONOCO · ANDERSON · ADDIS T TURNER · WILLARD DECK · ARGO OIL · SHELL · RW 324 PERP · NM-1198 · 320 AC. H.B.P. · EASTLAND RTS. 6700' TO 7400' SWEPT-ALL OTHER RIGHTS · NM-928 · 160 AC. H.B.P. · ARCO "A" · ROY BARTEN J C WEIR ETAL · MOBIL · CONOCO · NANCY STEPHENS · J W OWENS · STEPHENS ESTATE · U.S.M.J. DEL ROSE TERRY ETAL · WAYNE STEPHENS · KIRBY EXPL · MARATHON HBP · ELLIOTT INC HBP · KIRBY EXPL · AZTEC

ARGO OIL · WILLARD DECK · CHARLIE BETTIS · GULF · TEXACO · ARCO · MOBIL · NATTIE WILLIAMSON MI · TOM KENNAN · CHEVRON · CONOCO · KIRBY EXPL · ARGEE OIL · IMP AMER · ARCO · LULA JONES ETAL · ROY HOLDING · H HENDRIX KIRBY EXPL · APACHE CORP · ACOMA · MARK OWENS ET AL · CAVALCADE · SOLAR OIL · WAYNE STEPHENS ETA · MARATHON · CHEVRON 26 J.H. HENDRIX · HENDRIX · U.S. SMALL TRACTS

21 · 15 · 10 · 11 · 12 · 7 · 14 · 13 · 18 · 3 · 2 · 1 · 6 · 23 · 24 · 19 · 27 · 26 · 30

CHECK

JUST INSIDE → AZTEC - DAVLON No.3 A 10.21.37

OUTSIDE AOR → CONOCO - HAWK B FED No.10 F 10.21.37

" → CHEVRON - NM STATE 'V' No.11 K 10.21.37

CHEVRON - EUBANK 'C' No.8 G 22.21.37

TWN-RNG	SECTION	OPERATOR	LEASE	WELL	LOCATION	SPUD DATE	INIT COMP DATE	TOTAL DEPTH	CASING SIZE	CASING DEPTH	CASING CMT	WELL TYPE	PROD STRING TOC
21S-37E	1	NAT RES GRP	ANNA-FED	1	990 FNL, 330 FWL	11/69	1/70	7600	9 5/8	808	300SX	OIL	2730
									7	7593	750SX		
		MORAN OIL	DAURON	1	2310 FNL, 330 FWL	1/55	2/55	5960	10 3/4	224	200SX	OIL	3600
									7 5/8	3045	1100SX		
									5 1/2	5935	200SX		
		LEONARD OIL	ELLIOTT-FED	2	1659 FSL, 330 FWL	12/51	3/52	8613	13 3/8	240	225SX	OIL	6670
									8 5/8	1750	1750SX		
									5 1/2	7370	125SX		
		ELLIOT INC	ELLIOTT-FED B	1	2970 FSL, 330 FWL	7/54	7/54	5971	10 3/4	218	250SX	OIL	3910
									8 5/8	3087	1150SX		
									5 1/2	5885	350SX		
		ELLIOT INC	ELLIOTT-FED B	4	3630 FSL, 330 FWL	11/54	12/54	5996	8 5/8	3029	1300SX	OIL	3080
									5 1/2	5890	500SX		
		FULLERTON OIL	ELLIOTT-FED	1	660 FSL, 660 FWL	9/51	11/51	8370	13 3/8	238	250SX	OIL	4180
									8 5/8	3150	1380SX		
									5 1/2	8333	738SX		
21S-37E	2	AZTEC O&G	STATE	1	3300 FSL, 660 FWL	5/49	6/49	6810	13 3/8	160	175SX	OIL	1970
									9 5/8	2940	850SX		TS
									7	6810			
		AZTEC O&G	STATE	2	1896 FNL, 660 FWL	1/50	8/51	8620	13 3/8	152	165SX	INJ	4250
									9 5/8	3005	3200SX		TS
									7	8500	550SX		
		AZTEC O&G	STATE	3	3175 FSL, 660 FWL	2/51	4/51	8083	13 3/8	245	200SX	OIL	4910
									8 5/8	3000	1800SX		
									5 1/2	8010	550SX		
		AZTEC O&G	STATE	4	2970 FSL, 990 FWL	12/51	2/52	8005	13 3/8	253	240SX	OIL	4910
									8 5/8	2996	2400SX		
									5 1/2	8004	550SX		
		AZTEC O&G	STATE	5	5610 FSL, 1650 FWL	1/53	7/53	6011	13 3/8	200	225SX	OIL	4710
									8 5/8	3015	1650SX		
									5 1/2	5980	225SX		
		AZTEC O&G	STATE	6	906 FNL, 660 FWL	3/54	5/54	6030	13 3/8	208	240SX	INJ	4780
									8 5/8	3008	1750SX		TS
									5 1/2	6030	250SX		
		AZTEC O&G	STATE	7	921 FNL, 1650 FWL	5/54	6/54	6060	13 3/8	215	250SX	OIL	4760
									8 5/8	3030	1600SX		
									5 1/2	6030	225SX		
		AZTEC O&G	STATE	8	5790 FSL, 660 FWL	12/55	1/56	6010	13 3/8	218	200SX	OIL	4830
									8 5/8	3092	2100SX		
									5 1/2	6010	210SX		
		AZTEC O&G	STATE	9	1973 FNL, 1650 FWL	4/62	7/62	5780	13 3/8	329	325SX	OIL	2480
									8 5/8	1425			
									5 1/2	5682	570SX		
		GULF	H LEONARD A	12	860 FSL, 1980 FEL	3/52	5/52	7778	12 3/4	259	300SX	OIL	2180
									8 5/8	2989	1100SX		TS
									5 1/2	7777	870SX		
		GULF	H LEONARD A	14	555 FSL, 555 FEL	5/52	6/52	8013	12 3/4	287	300SX	OIL	2740
									8 5/8	3049	1100SX		TS
									5 1/2	8008	925SX		
		GULF	H LEONARD A	20	2982 FSL, 2317 FEL	11/52	3/53	8285	13 3/8	271	300SX	INJ	4460

TWN-RNG	SECTION	OPERATOR	LEASE	WELL	LOCATION	SPUD DATE	INIT COMP DATE	TOTAL DEPTH	CASING SIZE	CASING DEPTH	CASING CMT	WELL TYPE	PROD STRING TOC
									8 5/8	2498	1700SX		
									5 1/2	8258	675SX		
Section 2 cont.		GULF	H LEONARD A	24	4303 FSL, 2317 FEL	2/53	4/53	8700	13 3/8	299	350SX	OIL	4340
									9 5/8	2999	1350SX		
									5 1/2	8280	700SX		
		GULF	H LEONARD A	43	990 FNL, 2310 FEL	7/54	8/54	5995	13 3/8	318	425SX	OIL	2110
									8 5/8	3099	2025SX		
									5 1/2	5879	670SX		
		GULF	H LEONARD-ST	2	660 FSL, 1980 FEL	12/51	2/52	7926	13 3/8	264	300SX	OIL	3750
									9 5/8	3026	1200SX		TS
									5 1/2	7925	850SX		
		GULF	H LEONARD-ST	3	660 FSL, 660 FEL	2/52	3/52	8168	13 3/8	225	350SX	OIL	3225
									8 5/8	2084	1075SX		TS
									5 1/2	8167	975SX		
		GULF	HARRY LEONARD E	6	1980 FSL, 1980 FEL		12/51	8350	16	253	300SX	OIL	4085
									10 3/4	2904	1600SX		TS
									7	8350	300SX		
		GULF	H LEONARD-ST	8	660 FSL, 330 FEL	4/53	5/53	5970	12 3/4	309	350SX	OIL	4620
									8 5/8	3099	2300SX		TS
									5 1/2	5750	195SX		
		GULF	H LEONARD-ST	9	1650 FSL, 990 FEL	5/53	8/53	8470	13 3/8	109	150SX	OIL	2400
									8 5/8	3099	1375SX		TS
									5 1/2	8300	180SX		
		GULF	H LEONARD-ST	10	2220 FNL, 2307 FEL	4/54	5/54	5950	13 3/8	375	475SX	INJ	3100
									8 5/8	3024	1550SX		TS
									5 1/2	5844	560SX		
		GULF	H LEONARD-ST	11	2970 FSL, 990 FEL	5/54	6/54	5950	13 3/4	336	450SX	OIL	2670
									9 5/8	3044	1400SX		TS
									7	5834	600SX		
		GULF	H LEONARD-ST	12	3534 FNL, 990 FEL	6/54	8/54	5975	13 3/8	332	450SX	OIL	2480
									8 5/8	3039	1900SX		TS
									5 1/2	5859	605SX		
		GULF	H LEONARD-ST	14	2886 FNL, 2307 FEL	8/54	9/54	5975	13 3/8	330	350SX	OIL	2740
									8 5/8	3548	1500SX		TS
									5 1/2	5829	500SX		
		GULF	H LEONARD-ST	15	3312 FSL, 2317 FEL	8/54	10/54	8150	13 3/8	325	375SX	OIL	2880
									8 5/8	3003	1350SX		TS
									5 1/2	8149	950SX		
		GULF	H LEONARD-ST	16	2217 FNL, 989 FEL	9/54	10/54	5975	13 3/8	332	375SX	OIL	60
									8 5/8	3099	1800SX		TS
									5 1/2	5889	775SX		
		GULF	H LEONARD-ST	17	897 FNL 990 FEL	10/54	11/54	5980	13 3/8	327	375SX	OIL	2160
									8 5/8	3098	1700SX		TS
									5 1/2	5924	750SX		
		GULF	H LEONARD-ST	18	1650 FSL, 1980 FEL	12/54	1/55	5925	13 3/8	312	375SX	OIL	3375
									9 5/8	3340	1655SX		TS
									5 1/2	5764	675SX		
		GULF	H LEONARD-ST	19	660 FSL, 1780 FEL	1/55	2/55	5925	13 3/8	334	575SX	OIL	2080
									8 5/8	3049	2005X		TS
									5 1/2	5769	825SX		
		SHELL	STATE 2	1	1980 FSL, 660 FWL	8/49	9/49	6746	13 3/8	226	300SX	OIL	3860

TWN-RNG	SECTION	OPERATOR	LEASE	WELL	LOCATION	SPUD DATE	INIT COMP DATE	TOTAL DEPTH	CASING SIZE	CASING DEPTH	CASING CMT	WELL TYPE	PROD STRING TOC
									8 5/8	3047	2000SX		
									5 1/2	6670	500SX		
Section 2 cont.		SHELL	STATE 2	2	4620 FSL, 660 FWL	10/49	12/49	6760	13 3/8	224	300SX	OIL	3280
									8 5/8	2936	2200SX		
									5 1/2	6660	600SX		
		SHELL	STATE 2	3	660 FSL, 660 FWL	7/50	9/50	7906	13 3/8	223	300SX	OIL	4950
									8 5/8	3150	2200SX		
									5 1/2	7760	500SX		
		SHELL	STATE 2	4	710 FSL, 610 FWL	11/50	11/50	6718	13 3/8	228	250SX	OIL	3720
									8 5/8	3150	1700SX		
									5 1/2	6536	500SX		
		SHELL	STATE 2	5	1880 FSL, 560 FWL	12/50	1/51	7956	13 3/8	224	250SX	OIL	4550
									8 5/8	3142	2000SX		FP
									5 1/2	7810	500SX		
		SHELL	STATE 2	6	1980 FSL, 1990 FWL	5/51	7/51	8207	13 3/8	225	330SX	OIL	2958
									8 5/8	3769	2000SX		TOL
									5 1/2	2958			
										8065	1082SX		
		SHELL	STATE 2	7	660 FSL, 1980 FWL	7/51	9/51	7854	13 3/8	225	250SX	OIL	3210
									8 5/8	3162	1950SX		
									5 1/2	7852	825SX		
		SHELL	STATE 2	8	3546 FNL, 660 FWL	9/51	11/51	8156	13 3/8	219	250SX	OIL	3520
									8 5/8	3147	2000SX		
									5 1/2	8018	500SX		
		SHELL	STATE 2	9	1980 FSL, 1880 FWL	11/51	12/51	6704	13 3/8	208	250SX	INJ	2950
									8 5/8	3145	2000SX		TOL
									5 1/2	2950			
										6701	755SX		
		SHELL	STATE 2	10	2310 FSL, 988 FWL	12/51	1/52	7985	13 3/8	211	250SX	OIL	3480
									8 5/8	3152	1700SX		
									5 1/2	7984	870SX		
		SHELL	STATE 2	11	3376 FNL, 330 FWL	1/52	3/52	8015	13 3/8	211	250SX	OIL	3400
									8 5/8	3140	2000SX		TS
									5 1/2	8014	850SX		
		SHELL	STATE 2	12	2250 FSL, 2140 FWL	1/52	3/52	8075	13 3/8	211	250SX	OIL	3290
									8 5/8	3150	2200SX		
									5 1/2	8072	850SX		
		SHELL	STATE 2	13	2970 FSL, 1650 FWL	3/52	4/52	8143	13 3/8	193	250SX	OIL	3095
									8 5/8	3148	1900SX		TS
									5 1/2	8032	500SX		
		SHELL	STATE 2	14	3630 FSL, 1770 FWL	4/52	6/52	7976	13 3/8	222	250SX	OIL	3470
									8 5/8	3120	1700SX		
									5 1/2	2908			
										7975	300SX		
		SHELL	STATE 2	15	3546 FNL, 1650 FWL	6/52	7/52	8147	13 3/8	223	250SX	INJ	3510
									8 5/8	3149	1600SX		
									5 1/2	3007			
										8010	800SX		
		SHELL	STATE 2	16	3546 FNL, 1700 FWL	7/52	9/52	8000	13 3/8	222	250SX	INJ	2932
									8 5/8	3150	1800SX		TOL
									5 1/2	2932			

TWN-RNG	SECTION	OPERATOR	LEASE	WELL	LOCATION	SPUD DATE	INIT COMP DATE	TOTAL DEPTH	CASING SIZE	CASING DEPTH	CASING CMT	WELL TYPE	PROD STRING TOC
										7997	825SX		
SECTION 2 CONT.		SHELL	STATE 2	17	2886 FNL, 2970 FEL	6/54	7/54	5952	13 3/8	250	250SX	OIL	5060
									8 5/8	3126	1500SX		
									5 1/2	5816	100SX		
		SHELL	STATE 2	18	3550 FSL, 2300 FWL	12/54	3/55	5956	13 3/8	256	250SX	OIL	4830
									8 5/8	3108	1600SX		
									5 1/2	5955	200SX		
		SHELL	STATE 2	19	2310 FSL 2307 FWL	8/55	10/55	5950	13 3/8	298	300SX	OIL	4820
									8 5/8	3199	1450SX		
									5 1/2	5950	200SX		
		SHELL	STATE 2	20	990 FSL, 2300 FWL	4/56	5/56	5914	13 3/8	283	300SX	OIL,	5350
									8 5/8	3148	1500SX		
									5 1/2	5913	100SX		
		SHELL	STATE 2	21	2205 FSL, 988 FWL	7/56	8/56	5925	13 3/8	301	300SX	WATER SOURCE WELL	5360
									8 5/8	3148	1400SX		
									5 1/2	5922	100SX		
		SHELL	STATE 2	22	990 FSL, 990 FWL	9/56	10/56	5910	13 3/8	303	300SX	OIL	4690
									8 5/8	3148	1100SX		
									5 1/2	5812	200SX		
21S-37E	3	CONOCO	HAWK B-3	1	3300 FSL, 660 FEL	10/49	11/49	6782	13 3/8	222	250SX	OIL	1590
									9 5/8	2919	650SX		
									7	6781	?		
		CONOCO	HAWK B-3	1E	510 FSL 660 FEL	12/50	2/51	7975	10 3/4	259	250SX	OIL	3300
									7 5/8	3149	1175SX		
									5 1/2	7974	400SX		
		CONOCO	HAWK B-3	1S	810 FSL, 660 FEL	8/51	10/51	7825	10 3/4	260	250SX	OIL	510
									7 5/8	3149	1420SX		
									5 1/2	7805	625SX		
		CONOCO	HAWK B-3	2	3150 FSL, 1650 FEL	12/52	1/53	8114	13 3/4	250	250SX	INJ	2950
									9 5/8	3133	1300SX		TS
									7	8113	900SX		
		CONOCO	HAWK B-3	2E	1930 FSL, 660 FEL	3/51	5/51	8021	10 3/4	268	250SX	INJ	2550
									7 5/8	3128	1000SX		TS
									5 1/2	8014	400SX		
		CONOCO	HAWK B-3	3	1980 FSL, 1980 FEL	2/50	3/50	6747	13 3/8	199	250SX	OIL	3000
									9 5/8	2969	1525SX		TS
									7	6746	875SX		
		CONOCO	HAWK B-3 FED	3	2970 FSL 510 FEL	11/51	1/52	8010	10 3/4	265	250SX	OIL	1590
									7 5/8	3149	1050SX		
									5 1/2	8009	550SX		
		CONOCO	HAWK B-3	3E	2970 FSL, 660 FEL	5/51	6/51	8191	10 3/4	265	250SX	OIL	2060
									7 5/8	3149	1110SX		
									5 1/2	8187	525SX		
		CONOCO	HAWK B-3	4	1980 FNL, 660 FEL	3/50	6/50	6829	13 3/8	211	250SX	OIL	3040
									9 5/8	3029	1210SX		TS
									7	6829	770SX		
		CONOCO	HAWK B-3 FED	4	2130 FSL, 660 FEL	10/51	11/51	7845	10 3/4	265	250SX	OIL	1770
									7 5/8	3115	942SX		
									5 1/2	7844	520SX		
		CONOCO	HAWK B-3 TR	4	660 FNL, 660 FWL	3/57	4/57	6010	10 3/4	259	250SX	OIL	3035

TWN-RNG	SECTION	OPERATOR	LEASE	WELL	LOCATION	SPUD DATE	INIT COMP DATE	TOTAL DEPTH	CASING SIZE	CASING DEPTH	CASING CMT	WELL TYPE	PROD STRING TOC
									7 5/8	3154	1500SX		TS
									5 1/2	6010	350SX		
Section 3 cont.		CONOCO	HAWK B-3	4E	1650 FSL, 1650 FEL	9/51	11/51	8070	10 3/4	266	250SX	OIL	0
									7 5/8	3154	1355SX		
									5 1/2	8069	700SX		
		CONOCO	HAWK B-3	4S	1980 FSL 1830 FEL	1/52	3/52	8025	10 3/4	273	225SX	OIL	3200
									7 5/8	3147	1100SX		TS
									5 1/2	8024	600SX		
		CONOCO	HAWK B-3	5	660 FSL, 660 FEL	4/50	6/50	6760	13 3/8	224	250SX	OIL	2975
									9 5/8	3049	1200SX		TS
									7	6759	775SX		
		CONOCO	HAWK B-3	5E	2970 FSL, 1650 FEL	8/52	10/52	8302	13 3/4	269	260SX	OIL	3125
									9 5/8	3149	1300SX		TS
									7				
		CONOCO	HAWK B-3	11	1980 FSL, 660 FEL	11/49	12/49	6753	13 3/8	232	250SX	OIL	2850
									9 5/8	2895	1000SX		TS
									7	6752	625SX		
		CONOCO	HAWK B-3	14	660 FNL, 660 FEL	11/54	12/54	6020	10 3/4	290	300SX	OIL	3650
									7 5/8	3038	1150SX		TS
									5 1/2	6019	510SX		
		CONOCO	HAWK B-3	15	660 FNL, 1980 FEL	10/55	11/55	6025	11 3/4	270	375SX	INJ	3190
									7 5/8	3061	1066SX		TS
									5 1/2	6024	375SX		
		CONOCO	HAWK B-3 NEDU 16L	16	660 FNL, 1980 FWL	9/56	11/56	6480	10 3/4	260	150SX	OIL	650
									7 5/8	3049	1805SX		
									5 1/2	6479	500SX		
		CONOCO	HAWK B-3	18	1980 FNL, 1980 FEL	4/57	5/57	5976	10 3/4	268	250SX	OIL	3000
									7 5/8	3119	1150SX		TS
									5 1/2	5974	400SX		
		CONOCO	HAWK B-3	20	3300 FSL, 660 FEL			6782	13 3/8	222	250SX	OIL	3272
									9 5/8	2819	650SX		TS
									7	6782	400SX		
		CONOCO	HAWK B-3	21	3300 FNL, 660 FWL	7/62	8/62	2665				OIL	0
									9 5/8	1370	500SX		CIRC
		CONOCO	HAWK B-3	22	3300 FNL, 760 FWL	8/62	11/62	6800				OIL	2200
									9 5/8	1310	625SX		TS
									7	6800	650SX		
		CONOCO	HAWK B-3	24	2232 FNL, 2310 FEL	4/80	6/80	6875				INJ	0
									8 5/8	1395	674SX		CIRC
									5 1/2	6875	2268SX		
		SHELL	LIVINGSTON	1	1980 FSL, 1980 FWL	9/49	11/49	6674	13 3/8	228	300SX	INJ	3300
									8 5/8	2900	1800SX		
									5 1/2	6674	600SX		
		SHELL	LIVINGSTON	2	660 FSL, 1980 FEL	2/50	3/50	6674	13 3/8	224	300SX	INJ	3300
									8 5/8	3148	2200SX		
									5 1/2	6674	600SX		
		SHELL	LIVINGSTON	3	560 FSL, 2030 FEL	2/51	5/51	8094	13 3/6	223	250SX	OIL	5345
									8 5/8	3147	2200SX		TS
									5 1/2	7968	500SX		
		SHELL	LIVINGSTON	4	380 FSL, 2310 FEL	1/52	3/52	8167	13 3/8	151	200SX	OIL	3520

TWN-RNG	SECTION	OPERATOR	LEASE	WELL	LOCATION	SPUD DATE	INIT COMP DATE	TOTAL DEPTH	CASING SIZE	CASING DEPTH	CASING CMT	WELL TYPE	PROD STRING TOC
									8 5/8	3147	2000SX		
									5 1/2	8018	800SX		
Section 3 Cont.		SHELL	LIVINGSTON	5	660 FSL, 330 FWL	1/52	2/52	6690	13 3/8	218	250SX	OIL	5560
									8 5/8	3153	2200SX		
									5 1/2	6689	200SX		
		SHELL	LIVINGSTON	6	1980 FSL, 2308 FWL	6/52	8/52	8230	13 3/8	222	250SX	OIL	3590
									8 5/8	3147	2200SX		
									5 1/2	2944			
										8228	825SX		
		SHELL	LIVINGSTON	7	915 FSL, 2308 FWL	7/52	9/52	8130	13 3/8	222	250SX	OIL	3800
									8 5/8	3142	2000SX		TS
									5 1/2	2932			
										8129	800SX		
		SHELL	LIVINGSTON	8	2970 FSL, 2308 FWL	7/52	9/52	8030	13 3/8	251	250SX	OIL	2648
									8 5/8	3153	1600SX		TOL
									5 1/2	2648			
										7000	752SX		
		SHELL	LIVINGSTON	9	915 FSL, 2208 FWL	10/52	11/52	6659	13 3/8	237	250SX	GAS	4330
									8 5/8	3151	2000SX		
									5 1/2	2934			
										6584	400SX		
		SHELL	LIVINGSTON	11	3300 FSL, 660 FWL	11/61	1/62	6730	9 5/8	271	250SX	INJ	3630
									2 7/8	6724			
									2 7/8	6724			
									2 7/8	6725	325SX		
		SHELL	LIVINGSTON	14	3500 FSL, 367 FWL	4/64	6/64	7745	13 3/8	481	475SX	OIL	460
									8 5/8	2470	1425SX		
									5 1/2	7745	1295SX		
		SHELL	TAYLOR-GLENN	1	3226 FNL, 1980 FWL	9/47	3/48	8590	13 3/8	301	250SX	INJ	4260
									8 5/8	3879	3000SX		
									5 1/2	8060	675SX		
		SHELL	TAYLOR-GLENN	2	4620 FSL, 660 FEL	1/50	2/50	6710	13 3/8	222	300SX	INJ	3290
									8 5/8	2920	2200SX		
									5 1/2	6665	600SX		
		SHELL	TAYLOR-GLENN	3	3546 FNL, 330 FEL	11/51	1/52	8224	13 3/8	219	250SX	OIL	3210
									8 5/8	3150	2000SX		
									5 1/2	2960			
										8102	870SX		
		SHELL	TAYLOR-GLENN	4	3376 FNL, 764 FEL	3/52	5/52	8119	13 3/8	200	250SX	OIL	3750
									8 5/8	3147	2200SX		
									5 1/2	2999			
										8115	775SX		
		SHELL	TAYLOR-GLENN	5	3546 FNL, 1650 FEL	5/52	10/52	8391	13 3/8	225	250SX	OIL	3570
									8 5/8	3147	2200SX		
									5 1/2	2939			
										8355	850SX		
		SHELL	TAYLOR-GLENN	6	4620 FSL, 1979 FEL	7/52	8/52	6707	13 3/8	225	250SX	OIL	3280
									8 5/8	3147	2000SX		
									5 1/2	2917			
										6660	600SX		
		SHELL	TAYLOR-GLENN	8	1582 FNL, 330 FWL	10/56	11/56	5930	13 3/8	307	300SX	OIL	4680

TWN-RNG	SECTION	OPERATOR	LEASE	WELL	LOCATION	SPUD DATE	INIT COMP DATE	TOTAL DEPTH	CASING SIZE	CASING DEPTH	CASING CMT	WELL TYPE	PROD STRING TOC
									8 5/8	3150	1200SX		
									5 1/2	5810	200SX		
Section 3 cont.		SHELL	TAYLOR-GLENN	9	1585 FNL, 1980 FWL	1/63	1/63	6000	7 5/8	272	275SX	OIL	4890
									4 1/2	6000	175SX		
		SHELL	TAYLOR-GLENN	10	1980 FNL, 1980 FWL	10/74	2/75	6805	8 5/8	1361	600SX	GAS	1040
									5 1/2	6805	1025SX		
		SHELL	TAYLOR-GLENN	11	2080 FNL, 660 FWL	7/75	9/75	6870	8 5/8	1380	400SX	INJ	2030
									5 1/2	6870	860SX		
		TEXACO	ESTLACK	1	1980 FSL, 660 FWL	1/50	4/50	6690	13 3/8	286	300SX	GAS	2620
									8 5/8	2972	1800SX		TS
									5 1/2	6620	200SX		

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TWN-RNG	SECTION	OPERATOR	LEASE	WELL	LOCATION	SPUD DATE	INIT COMP DATE	TOTAL DEPTH	CASING SIZE	CASING DEPTH	CASING CMT	WELL TYPE	PROD STRING TOC
21S-37E	10	AZTEC	DAURON	2	660 FNL, 525 FEL	11/50	1/51	7463	13 3/8	196	200SX	OIL	4540
									8 5/8	2995	1500SX		TS
									5 1/2	7462	500SX		
		AZTEC	DAURON	3	330 FNL, 990 FEL	10/51	12/51	7774	13 3/8	215	200SX	OIL	5800
									8 5/8	3002	2300SX		
									5 1/2	7772	350SX		
		CONOCO	HAWK B-10	1	660 FNL, 1980 FEL	6/50	8/50	6723	10 3/4	245	200SX	OIL	3155
									7 5/8	3049	750SX		TS
									5 1/2	6715	320SX		
		CONOCO	HAWK B-10E	1E	990 FNL, 1650 FEL	2/51	5/51	7950	10 3/4	253	250SX	OIL	3180
									7 5/8	3071	1000SX		TS
									5 1/2	7922			
		CONOCO	HAWK B-10	2	1980 FNL, 2310 FWL	11/80	2/81	8079	10 3/4			OIL	3250
									7 5/8	3149	1360SX		TS
									5 1/2	8078	470SX		
		CONOCO	HAWK B-10	2S	1980 FNL, 2310 FEL	5/52	7/52	7800	13 3/8	253	250SX	INJ	0
									9 5/8	3099	1000SX		
									7	7795	1250SX		
		CONOCO	HAWK B-10	3E	1980 FNL, 660 FEL	6/51	8/51	7728	10 3/4	260		OIL	0
									7 3/4	3099	1525SX		CIRC
									5 1/2	7727	404SX		
		CONOCO	HAWK B-10 FED	3	1980 FNL, 1980 FEL	5/51	6/51	7981	10 3/4	268	250SX	OIL	6560
									7 5/8	3099			
									5 1/2	7980	252SX		
		CONOCO	HAWK B-10	5E	1980 FNL, 2310 FWL	4/52	6/52	8079	10 3/4	270	250SX	OIL	0
									7 5/8	3149	1300SX		CIRC
									5 1/2	8072	450SX		
		CONOCO	HAWK B-10 FED	5	330 FNL, 2340 FEL	1/52	3/52	7955	10 3/8	273	225SX	OIL	950
									7 5/8	3099	1250SX		
									5 1/2	7954	600SX		
		CONOCO	HAWK B-10 FED	6	990 FNL, 2310 FWL	3/52	5/52	8090	10 3/8	256	250SX	OIL	2250
									7 5/8	3099	1250SX		
									5 1/2	8089	500SX		
		CONOCO	HAWK B-10 FED	7	2310 FNL, 2310 FWL	6/52	8/52	8075	13 3/8	251	260SX	OIL	3200
									9 5/8	3149	1500SX		TS
									7	8074	1050SX		
		CONOCO	HAWK B-3	10	460 FNL, 1980 FWL	4/62	6/62	6790	13 3/8	337	250SX	INJ	3150
									8 5/8	3000	350SX		TS
									5 1/2	6485	505SX		
		CONOCO	STATE 10	1	990 FNL, 990 FWL	12/52	2/53	8285	13 3/8	236	250SX	OIL	3060
									9 5/8	3128	1308SX		TS
									7	8279	1250SX		
		CONOCO	STATE 10	2	1980 FNL, 990 FWL	2/53	6/54	8161	10 3/4	249	250SX	OIL	3180
									7 5/8	3128	1275SX		TS
									5 1/2	7669	375SX		

Section 10 cont.

TWN-RNG	SECTION	OPERATOR	LEASE	WELL	LOCATION	SPUD DATE	INIT COMP DATE	TOTAL DEPTH	CASING SIZE	CASING DEPTH	CASING CMT	WELL TYPE	PROD STRING TOC
		CONOCO	STATE 10	3	990 FNL, 840 FWL	5/53	6/54	7500	13 3/8	240	250SX	OIL	3275
									9 5/8	3150	1612SX		TS
									7	7499	835SX		
		HUMBLE	BL-TB GAS UNIT	1	990 FSL, 1980 FEL	5/55	7/55	6312	13 3/8	353	300SX	OIL	4480
									8 5/8	3200	1500SX		
									5 1/2	6311	325SX		
		HUMBLE	NM STATE V	1	660 FSL, 660 FWL	9/48	11/48	6660	10 3/4	316	250SX	OIL	2032
									7	2808	1050SX		TS
									5 1/2	6659	450SX		
		HUMBLE	NM STATE V	2	660 FSL, 1980 FWL	11/48	2/49	6751	10 3/4	332	275SX	OIL	0
									7 5/8	3194	1250SX		
									5 1/2	6656	575SX		
		HUMBLE	NM STATE V	3	660 FSL, 1980 FEL	1/51	3/51	7673	10 3/4	342	300SX	INJ	2945
									7 5/8	3098	1500SX		TS
									5 1/2	7673	535SX		
		HUMBLE	NM STATE V	4	500 FSL, 2080 FWL	3/51	5/51	8043	10 3/4	344	300SX	OIL	2610
									7 5/8	3100	3100SX		
									5 1/2	8043	465SX		
		HUMBLE	NM STATE V	5	660 FSL, 760 FWL	5/51	8/51	8396	12 3/4	329	400SX	OIL	4310
									8 5/8	3100	900SX		
									5 1/2	8396	350SX		
		HUMBLE	NM STATE V	6	1980 FSL, 1980 FEL	8/51	10/51	7717	12 3/4	329	350SX	OIL	3040
									8 5/8	3100	1400SX		
									5 1/2	7711	400SX		
		HUMBLE	NM STATE V	7	500 FSL, 1880 FWL	10/51	12/51	7625	12 3/4	337	350SX	OIL	4810
									8 5/8	3107	900SX		
									5 1/2	7625	500SX		
		HUMBLE	NM STATE V	8	2100 FSL, 760 FEL	12/51	2/52	7573	11 3/4	305	350SX	OIL	2900
									7 5/8	3105	1100SX		
									5 1/2	7573	400SX		
		HUMBLE	NM STATE V	9	1980 FSL, 1980 FWL	12/52	3/52	8240	10 3/4	329	375SX	OIL	2990
									7 5/8	3079	1000SX		
									5 1/2	8240	450SX		
		HUMBLE	NM STATE V	10	560 FSL, 660 FWL	3/52	5/52	7939	10 3/4	342	375SX	OIL	2680
									7 5/8	3104	1000SX		
									5 1/2	7939	450SX		
		HUMBLE	NM STATE V	11	2080 FSL, 2080 FWL	9/52	12/52	7785	13 3/8	333	275SX	INJ	5510
									9 5/8	3165	1400SX		
									5 1/2	7758	400SX		
		HUMBLE	NM STATE V	12	1980 FSL, 330 FWL	4/62	6/62	5990	10 3/4	310	200SX	OIL	3000
									7 5/8	2975	200SX		TS
									5 1/2	5989	600SX		
		RODGERS	HAWK B-10 FED	1	1715 FNL, 409 FEL	5/53	6/53	6580	10 3/4	207	150SX	OIL	2950
									7 5/8	3004	700SX		
									5 1/2	6453	300SX		
		STH UNION GAS	DAURON	1	660 FNL, 660 FEL	9/50	11/50	7875	13 3/8	228	175SX	OIL	4815
									9 5/8	2987	1200SX		TS
									5 1/2	7725	650SX		
		TIDEWATER	STATE S	9	660 FSL, 660 FEL	2/64	3/64	6710	13 3/8	336	325SX	GAS	2600
									9 5/8	2999	960SX		
									5 1/2	6709	1065SX		

TWN-RNG	SECTION	OPERATOR	LEASE	WELL	LOCATION	SPUD DATE	INIT COMP DATE	TOTAL DEPTH	CASING SIZE	CASING DEPTH	CASING CMT	WELL TYPE	PROD STRING TOC
21S-37E	11	AZTEC	GUTMAN	1	2310 FSL, 345 FWL	2/52	4/52	7575	13 3/8	245	275SX	OIL	4310
									8 5/8	3001	2450SX		TS
									5 1/2	7490	500SX		
		AZTEC	GUTMAN	2	1980 FSL, 990 FWL	11/63	1/64	7200	13 3/8	366	300SX	OIL	3400
									9 5/8	3008	900SX		TS
									7	6000			
									4 1/2	6000			
										7200			
		CONOCO	LOCKHART B-11	1	510 FNL, 660 FWL,	10/50	12/50	7751	10 3/4	248	250SX	OIL	750
									7 5/8	3049	865SX		
									5 1/2	7750	600SX		
		CONOCO	LOCKHART B-11	2	330 FNL, 330 FWL	7/51	9/51	6818	10 3/4	266	250SX	OIL	2440
									7 5/8	3049	1230SX		
									5 1/2	6817	375SX		
		CONOCO	LOCKHART B-11	3	1980 FNL, 330 FWL	8/51	10/51	7659	10 3/4	262	250SX	OIL	1240
									7 5/8	3099	100SX		
									5 1/2	7658	550SX		
		CONOCO	LOCKHART B-11	4	330 FNL, 1650 FWL	11/51	1/52	7811	10 3/4	272	250SX	OIL	1540
									7 5/8	3149	1200SX		
									5 1/2	7805	800SX		
		CONOCO	LOCKHART B-11	5	330 FNL, 1650 FEL	3/52	5/52	7831	10 3/4	255	250SX	OIL	1290
									7 5/8	3149	1000SX		
									5 1/2	7830	560SX		
		CONOCO	LOCKHART B-11	6	330 FNL, 330 FEL	7/52	9/52	8065	13 3/8	246	260SX	OIL	2870
									9 5/8	3136	1615SX		
									7	8064	800SX		
		CONOCO	LOCKHART B-11	7	330 FNL, 490 FEL	10/52	12/52	8042	13 3/8	248	250SX	OIL	2200
									9 5/8	3152	1100SX		
									7	8041	900SX		
		CONOCO	LOCKHART B-11	8	660 FSL, 1980 FEL	6/53	9/53	7577	13 3/8	268	250SX	OIL	1340
									9 5/8	2996	2100SX		
									7	7576	961SX		
		CONOCO	LOCKHART B-11	9	660 FNL, 330 FEL	3/54	4/54	5880	10 3/4	275	250SX	OIL	1030
									7 3/4	3149	940SX		
									5 1/2	5879	415SX		
		CONOCO	LOCKHART B-11	10	1980 FNL, 330 FEL	4/56	5/56	5925	10 3/4	266	250SX	OIL	960
									7 5/8	2955	1546SX		
									5 1/2	5920	425SX		
		CONOCO	LOCKHART B-11	11	1980 FSL, 330 FEL	3/56	4/56	5902	10 3/4	265	300SX	OIL	2400
									7 5/8	2953	700SX		
									5 1/2	5902	300SX		
		CONOCO	LOCKHART B-11	12	660 FNL, 1980 FEL	4/56	5/56	5932	8 5/8	1696	700SX	OIL	0
									5 1/2	5931	2426SX		
		CONOCO	LOCKHART B-11	13	660 FSL, 330 FEL	6/56	7/56	5900	8 5/8	1400	750SX	OIL	0
									5 1/2	5899	3200SX		
		CONOCO	LOCKHART B-11	14	1650 FNL, 1650 FEL	5/57	7/57	5925	10 3/4	275	250SX	OIL	1250
									7 5/8	3124	260SX		
									5 1/2	5924	400SX		
		CONOCO	LOCKHART B-11	15	2310 FNL, 1650 FEL	1/60	3/60	6760	13 3/8	307	260SX	OIL	1200
									9 5/8	2995	1150SX		

Section 11 Cont.

TWN-RNG	SECTION	OPERATOR	LEASE	WELL	LOCATION	SPUD DATE	INIT COMP DATE	TOTAL DEPTH	CASING SIZE	CASING DEPTH	CASING CMT	WELL TYPE	PROD STRING TOC
									7	6750	475SX		
		CONOCO	LOCKHART B-11	16	1980 FNL, 1980 FWL	12/61	3/62	7450	13 3/8	322	250SX	OIL	2450
									9 5/8	2912	950SX		
									7	7450	770SX		
		CONOCO	LOCKHART B-11	17	1980 FNL, 1980 FEL	4/62	5/62	7500	13 3/8	368	300SX	OIL	3290
									9 5/8	3094	450SX		
									7	7499	650SX		
		CONOCO	NOLAN	1	660 FSL, 660 FWL	7/50	10/50	7523	10 3/4	269	225SX	INJ	3225
									7 5/8	3069	1780SX		TS
									5 1/2	6699	950SX		
		CONOCO	NOLAN	2	660 FSL, 1980 FWL	5/55	7/55	6711	10 3/4	254	250SX	OIL	1030
									7 5/8	3049	1242SX		
									5 1/2	6479	467SX		
		CONOCO	NOLAN	3	1980 FSL, 1980 FWL	3/62	5/62	7492	13 3/8	350	250SX	OIL	3800
									9 5/8	3093	1200SX		TS
									7	7492	625SX		
		RODGERS	LOCKHART	1	2310 FNL, 330 FWL	2/53	3/53	6570	13 3/8	174	250SX	OIL	5045
									8 5/8	3044	900SX		
									5 1/2	6453	250SX		

TWN-RNG	SECTION	OPERATOR	LEASE	WELL	LOCATION	SPUD DATE	INIT COMP DATE	TOTAL DEPTH	CASING SIZE	CASING DEPTH	CASING CMT	WELL TYPE	PROD STRING TOC
21S-37E	21	BARNSDALL OIL	ELLIOTT A	2	1980 FNL, 660 FEL	8/47	10/47	6635	13 3/8	320	300SX	GAS	3270
									9 5/8	2847	1000SX		
									7	6514	500SX		
		CONE J R	ANDERSON	1	1980 FSL, 660 FEL	2/48	4/48	6640	13 3/8	257	250SX	GAS	3260
									8 5/8	2843	1000SX		
									5 1/2	6640	600SX		
		CONE S E	ANDERSON	2	1650 FSL, 330 FEL	6/49	8/49	8250	13 3/8	260	250SX	OIL	5430
									8 5/8	2789	1600SX		
									5 1/2	8247	500SX		
		CONOCO	HARDY EUMONT	48	1492 FNL, 560 FEL	9/71	9/71	3827	8 5/8	518	300SX	OIL	2140
									5 1/2	3827	300SX		
		RODGERS J W	MARY WANTZ	3	660 FSL, 660 FEL	3/52	5/52	6639	10 3/4	174	125SX	OIL	4810
									7 5/8	2720	600SX		
									5 1/2	6500	300SX		
		SUNRAY DX OIL	ELLIOTT-FED A	1	860 FNL, 660 FEL	6/47	8/47	6630	13 3/8	318	300SX	OIL	3610
									8 5/8	2850	1000SX		
									5 1/2	6425	500SX		
		SUNRAY OIL	ELLIOTT-FED A	3	980 FNL, 330 FEL	1/52	3/52	7845	13 3/8	258	300SX	OIL	5870
									9 5/8	2942	1500SX		
									5 1/2	7841	350SX		
		SUNRAY OIL	ELLIOTT-FED A	4	2030 FNL, 330 FEL	3/52	5/52	7857	13 3/8	254	300SX	OIL	5600
									9 5/8	2934	1500SX		
									5 1/2	7824	395SX		
21S-37E	22	SHELL OIL	AT TURNER	2	1980 FSL, 660 FWL	01/48	03/48	6627	13 3/8	238	250SX	OIL	1200
									8 5/8	2869	1400SX		TS
									5 1/2	6626	600SX		
		SHELL OIL	AT TURNER	1	660 FSL, 659 FEL	11/47	01/48	6610	13 3/8	224	200SX	OIL	3230
									8 5/8	2867	1651SX		
									5 1/2	6609	600SX		
		SHELL OIL	ARGO A	3	660 FNL, 1980 FWL	07/48	08/48	6628	13 3/8	226	250SX	OIL	2800
									8 5/8	2918	1500SX		FP
									5 1/2	6559	750SX		
		SHELL OIL	ARGO A	1	660 FNL, 660 FWL	08/47	11/47	6636	13 3/8	222	250SX	OIL	2130
									8 5/8	1233	660SX		
									5 1/2	6635	800SX		
		SHELL OIL	TURNER	16	330 FSL, 660 FWL	12/51	03/52	7864	13 3/8	208	150SX	OIL	2746
									8 5/8	2926	1800SX		TOL
									5 1/2	2746			
										7785	970SX		
		SHELL OIL	TURNER	15	990 FSL, 2310 FEL	07/51	09/51	7472	13 3/8	254	300SX	OIL	2671

TWN-RNG	SECTION	OPERATOR	LEASE	WELL	LOCATION	SPUD DATE	INIT COMP DATE	TOTAL DEPTH	CASING SIZE	CASING DEPTH	CASING CMT	WELL TYPE	PROD STRING TOC
									8 5/8	2887	2000SX		TOL
									5 1/2	2671			
										7472	875SX		
Section 22 cont.		SHELL OIL	TURNER	14	2310 FSL, 2310 FEL	11/50	01/51	7758	13 3/8	224	250SX	OIL	4740
									8 3/8	2906	2000SX		
									5 1/2	7555	500SX		
		SHELL OIL	TURNER	13	880 FSL, 1685 FWL	08/50	08/50	6633	13 3/8	223	300SX	OIL	3740
									8 5/8	2908	2000SX		
									5 1/2	6550	500SX		
		SHELL OIL	TURNER	12	2065 FSL, 1700 FWL	05/50	06/50	6626	13 3/8	220	300SX	OIL	3670
									8 5/8	2905	2000SX		
									5 1/2	6480	500SX		
		SHELL OIL	TURNER	11	915 FSL, 1650 FWL	08/50	06/50	7782	13 3/8	224	300SX	OIL	4740
									8 5/8	2905	2000SX		
									5 1/2	7559	500SX		
		SHELL OIL	TURNER	10	2080 FSL, 1650 FWL	03/50	04/50	7502	13 3/8	222	300SX	OIL	3800
									8 5/8	2918	2000SX		FP
									5 1/2	7502	500SX		
		SHELL OIL	TURNER	9	1980 FSL, 1650 FWL	02/50	03/50	7951	13 3/8	227	300SX	OIL	4910
									8 5/8	2913	2000SX		
									5 1/2	7725	500SX		
		SHELL OIL	TURNER	8	1740 FSL, 350 FWL	12/49	01/50	7885	13 3/8	209	300SX	OIL	4510
									8 5/8	2905	2300SX		
									5 1/2	7885	600SX		
		SHELL OIL	TURNER	7	1650 FSL, 330 FWL	10/49	12/49	8180	13 3/8	225	300SX	OIL	4690
									8 5/8	2910	2175SX		
									5 1/2	8070	600SX		
		SHELL OIL	TURNER	6	660 FSL, 660 FWL	08/49	10/49	6632	13 3/8	225	300SX	OIL	4775
			NEDU #63						8 5/8	2886	2000SX		FP
									5 1/2	6521	500SX		
		SHELL OIL	TURNER	4	1980 FSL, 660 FEL	07/49	09/49	6612	13 3/8	224	300SX	OIL	3640
									8 5/8	2913	1800SX		
									5 1/2	6450	500SX		
		SHELL OIL	TURNER	4	660 FSL, 330 FWL	05/49	08/49	7890	13 3/8	226	300SX	OIL	4410
									8 5/8	2859	1500SX		
									5 1/2	7790	600SX		
		SHELL OIL	TURNER	3	1980 FSL, 1980 FEL	05/49	06/49	6618	13 3/8	225	300SX	OIL	3710
									8 5/8	2915	1500SX		
									5 1/2	6520	500SX		
		SHELL OIL	ARGO A	12	2310 FNL, 760 FWL	11/51	01/52	8181	13 3/8	215	250SX	OIL	0
									8 5/8	2896	1900SX		CIRC
									5 1/2	8088	850SX		
		SHELL OIL	ARGO A	11	1605 FNL, 1650 FWL	11/51	01/52	8005	13 3/8	225	250SX	OIL	3170
									8 5/8	2903	1500SX		
									5 1/2	7843	830SX		
		SHELL OIL	ARGO A	10	660 FNL, 1660 FWL	09/51	12/51	8130	13 3/8	216	250SX	OIL	3560
									8 5/8	2874	1900SX		
									5 1/2	8058	870SX		
		SHELL OIL	ARGO A	9	980 FNL, 500 FWL	09/51	11/51	8035	13 3/8	218	250SX	OIL	2708
									8 5/8	2400	1700SX		TOL
									5 1/2	2708			

TWN-RNG	SECTION	OPERATOR	LEASE	WELL	LOCATION	SPUD DATE	INIT COMP DATE	TOTAL DEPTH	CASING SIZE	CASING DEPTH	CASING CMT	WELL TYPE	PROD STRING TOC
										8025	1125SX		
Section 22 cont.		SHELL OIL	ARCO A	8	990 FNL, 990 FWL	03/51	05/51	8188	13 3/8	226	300SX	OIL	5000
									8 5/8	2928	1700SX		FP
									5 1/2	8011	500SX		
		SHELL OIL	ARCO A	7	1880 FNL, 760 FWL	10/50	12/50	8180	13 3/8	226	300SX	OIL	3760
									8 5/8	2913	1700SX		TS
									5 1/2	8080	750SX		
		SHELL OIL	ARCO A	6	440 FNL, 2200 FWL	05/50	07/50	7907	13 3/8	227	300SX	OIL	4000
									8 5/8	2883	2000SX		FP
									5 1/2	7770	500SX		
		SHELL OIL	ARCO A	5	1980 FNL, 2130 FWL	01/50	03/50	6633	13 3/8	230	250SX	WATER SOURCE WELL	4000
									8 5/8	2920	2000SX		FP
									5 1/2	6530	500SX		
		SHELL OIL	ARCO A	4	1980 FNL, 1980 FWL	11/49	01/50	7810	13 3/8	245	300SX	OIL	4290
									8 5/8	2910	2000SX		
									5 1/2	7670	600SX		
		SHELL OIL	ARCO A	2	1980 FNL, 660 FWL	10/47	12/47	6629	13 3/8	255	200SX	OIL	3250
									8 5/8	2913	1400SX		
									5 1/2	6627	600SX		
		GULF OIL	EUBANK C	8	1750 FNL, 2310 FEL	10/52	11/52	7520	13 3/8	315	360SX	OIL	* 5845
									8 5/8	2799	1650SX		TS
									5 1/2	7519	290SX		
		GULF OIL	EUBANK	7	450 FNL, 2305 FEL	07/51	09/51	7630	13 3/8	306	300SX	OIL	3400
									9 5/8	2799	1400SX		TS
									7	7629	625SX		
		GULF OIL	EUBANK	5	330 FNL, 2310 FEL	02/50	04/50	7756	13 3/8	294	300SX	OIL	2950
									9 5/8	2800	1300SX		TS
									7	7644			
		GULF OIL	EUBANK	4	1980 FNL, 660 FEL	01/49	02/49	6615	13 3/8		300SX	OIL	2010
									9 5/8	2800	1300SX		
									7	6550	700SX		
		GULF OIL	EUBANK	3	1980 FNL, 2086 FEL	11/48	01/49	6620	13 3/8	295	300SX	OIL	3100
									9 5/8	2800	1300SX		TS
									7	6535	700SX		
		GULF OIL	EUBANK	2	660 FNL, 660 FEL	10/48	12/48	6614	13 3/8	291	300SX	OIL	2720
									9 5/8	2800	1300SX		TS
									7	6550	700SX		
		GULF OIL	EUBANK	1	660 FNL, 1780 FEL	08/48	09/48	6620	13 3/8	317	300SX	OIL	2850
									9 5/8	2800	1262SX		TS
									7	6500	700SX		

TWN-RNG	SECTION	OPERATOR	LEASE	WELL	LOCATION	SPUD DATE	INIT COMP DATE	TOTAL DEPTH	CASING SIZE	CASING DEPTH	CASING CMT	WELL TYPE	PROD STRING TOC
21S-37E	27	CONOCO	LOCKHART A-27	1	660 FNL, 510 FWL	5/49	7/49	7782	13 3/8	225	200SX	OIL	1240
									9 5/8	2744	500SX		
									7	7728	1000SX		
		CONOCO	LOCKHART A-27	3	330 FNL, 1650 FWL	10/50	11/50	7652	10 3/4	202	250SX	OIL *	5316
									7 5/8	2675	1000SX		
									5 1/2	7651	200SX		
		CONOCO	LOCKHART A-27	5	660 FNL, 660 FEL	10/47	12/47	6567	13 3/8	200	200SX	GAS	4610
									9 5/8	2731	500SX		
									5 1/2	6566	500SX		
		CONOCO	LOCKHART A-27	6	660 FNL, 1980 FEL	12/47	1/48	6570	13 3/8	200	200SX	OIL	3320
									9 5/8	2648	500SX		
									7	6569	500SX		
		CONOCO	LOCKHART A-27	7	810 FNL, 660 FWL	12/49	2/50	6630	13 3/8	216	250SX	OIL	4120
									9 5/8	2654	1350SX		
									7	6629	650SX		
		CONOCO	LOKHRT A-27 FED	7	660 FNL, 1650 FWL	12/50	2/51	6670	13 3/8	253	250SX	OIL	3460
									7 5/8	2679	1050SX		
									5 1/2	6669	275SX		
		CONOCO	LOCKHART A-27	12	330 FNL, 330 FWL	2/52	5/52	7615	10 3/4	255	225SX	OIL	2940
									7 5/8	2743	1100SX		
									5 1/2	7614	400SX		

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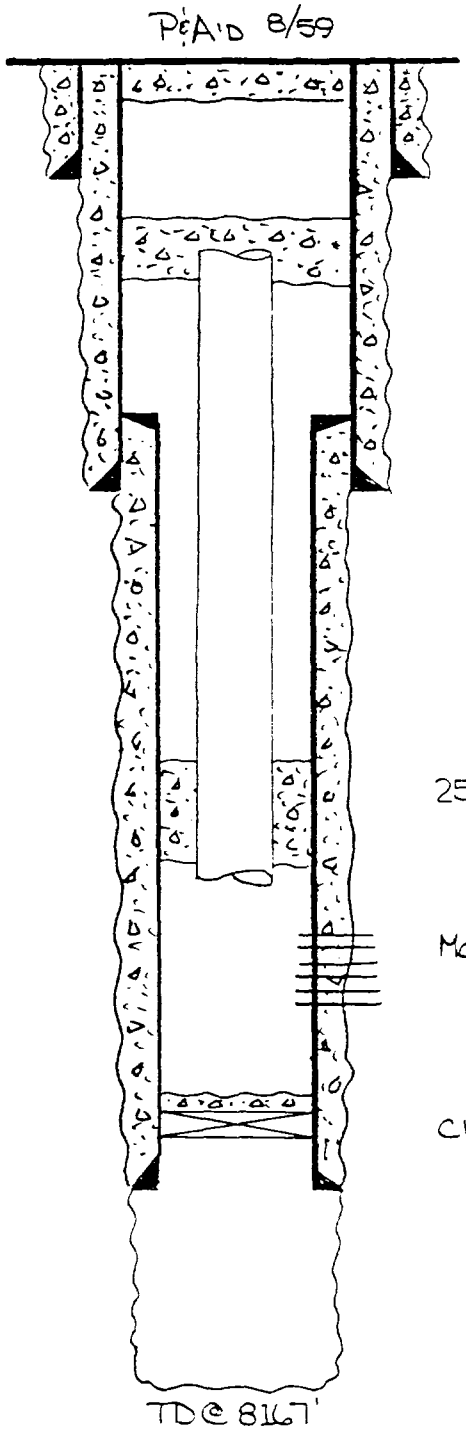
P+A'd WELL

SWEPI's LIVINGSTON #4

UNIT LETTER W
3-21S-37E
LEA COUNTY, NEW MEXICO



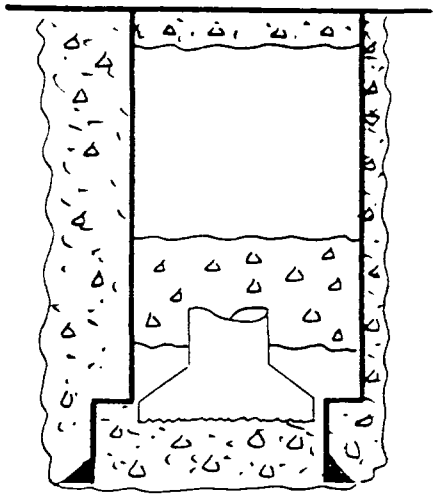
VRJ 9/87

P&A'd well

CONOCO's HAWK B-3 #21

3300' FNL & 660' FWL
3-21S-37E
LEA COUNTY, NEW MEXICO

P&A'D 8/62



10' PLUG AT SURFACE

25SX FROM 1317' TO 1246'

DRILL PIPE CUT AT 1317'

CSG PARTED AT 1320'

9⅝" @ 1370'
W/ 500SX

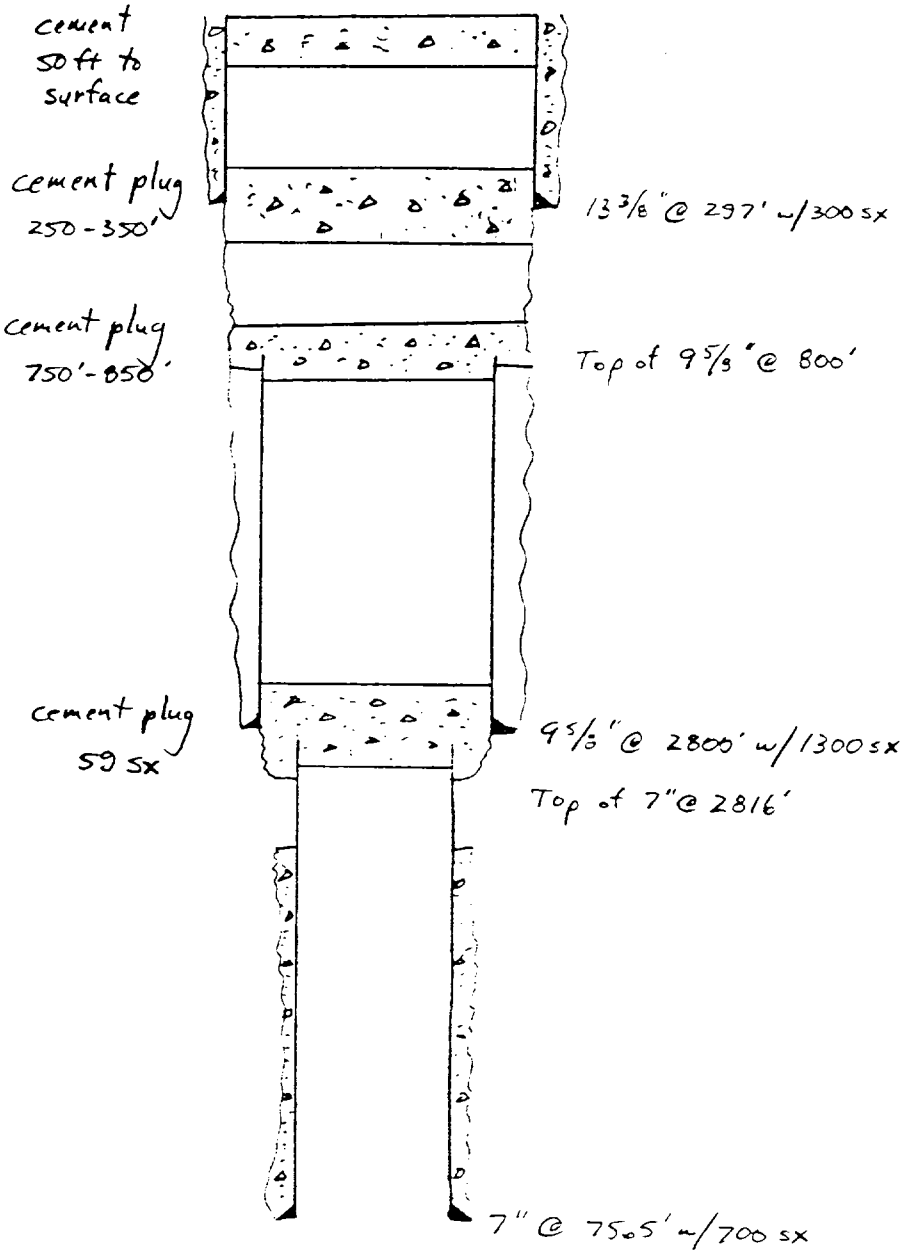
* AFTER SETTING 9⅝" STRING – CSG PARTED AND MILL BECAME STUCK AT 1320'. PIPE CUT AT 1317'. TWO PLUGS SET TO P&A.

VTJ 9/87

P&A'd well

GULF EUBANK #6

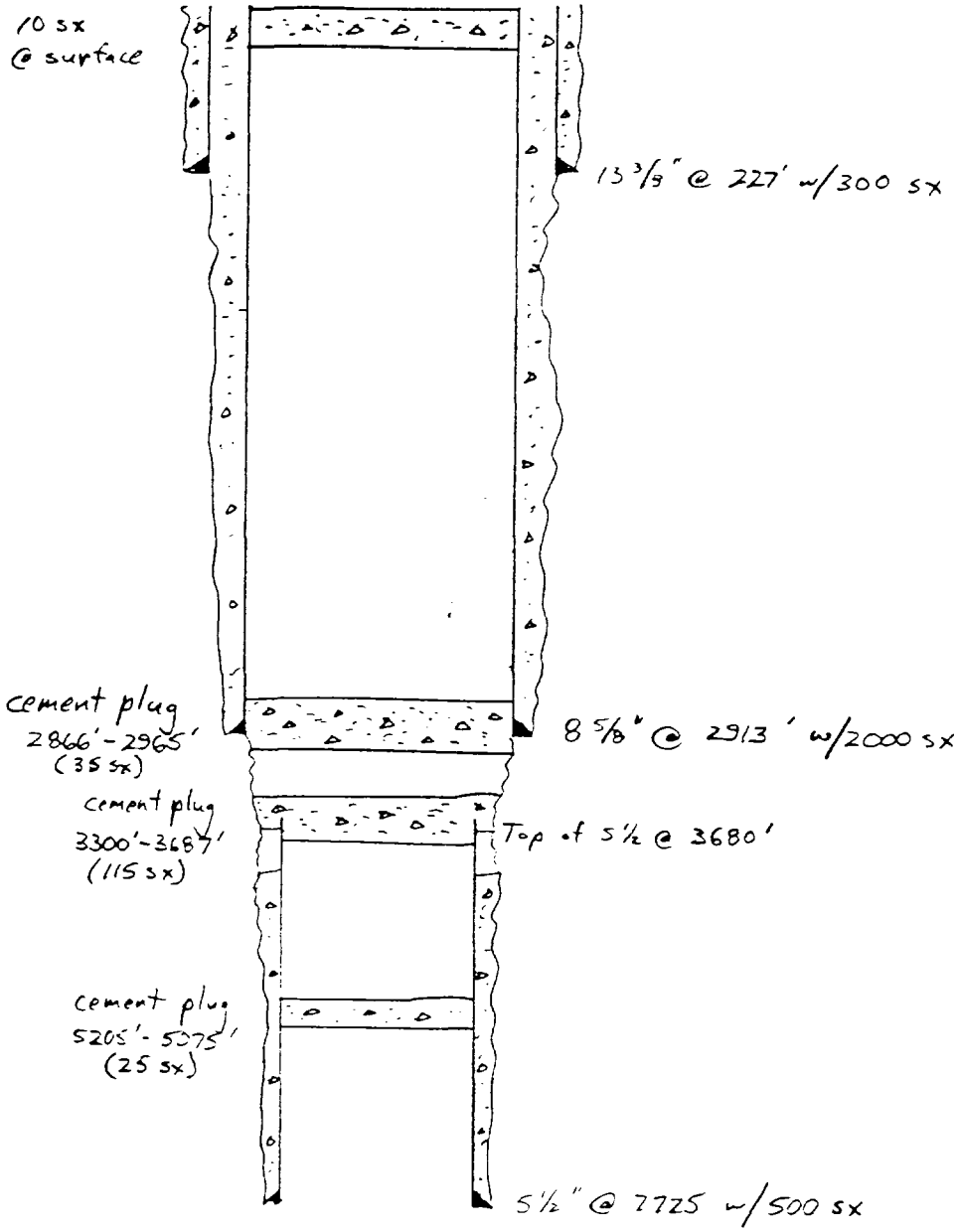
UNIT LETTER O
22-21S-37E



P+A'd well

Shell Turner #9

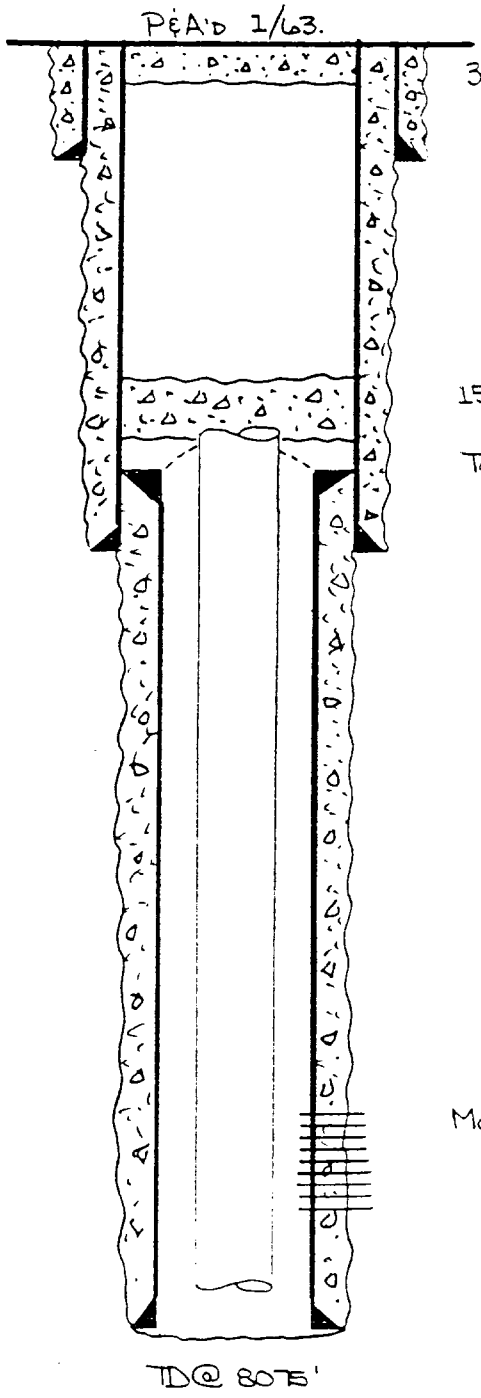
UNIT LETTER K
22-21S-37E



P&A'd well

SWEPI's State Section 2 # 12

Unit Letter S
2-21S-37E
Lea County, New Mexico

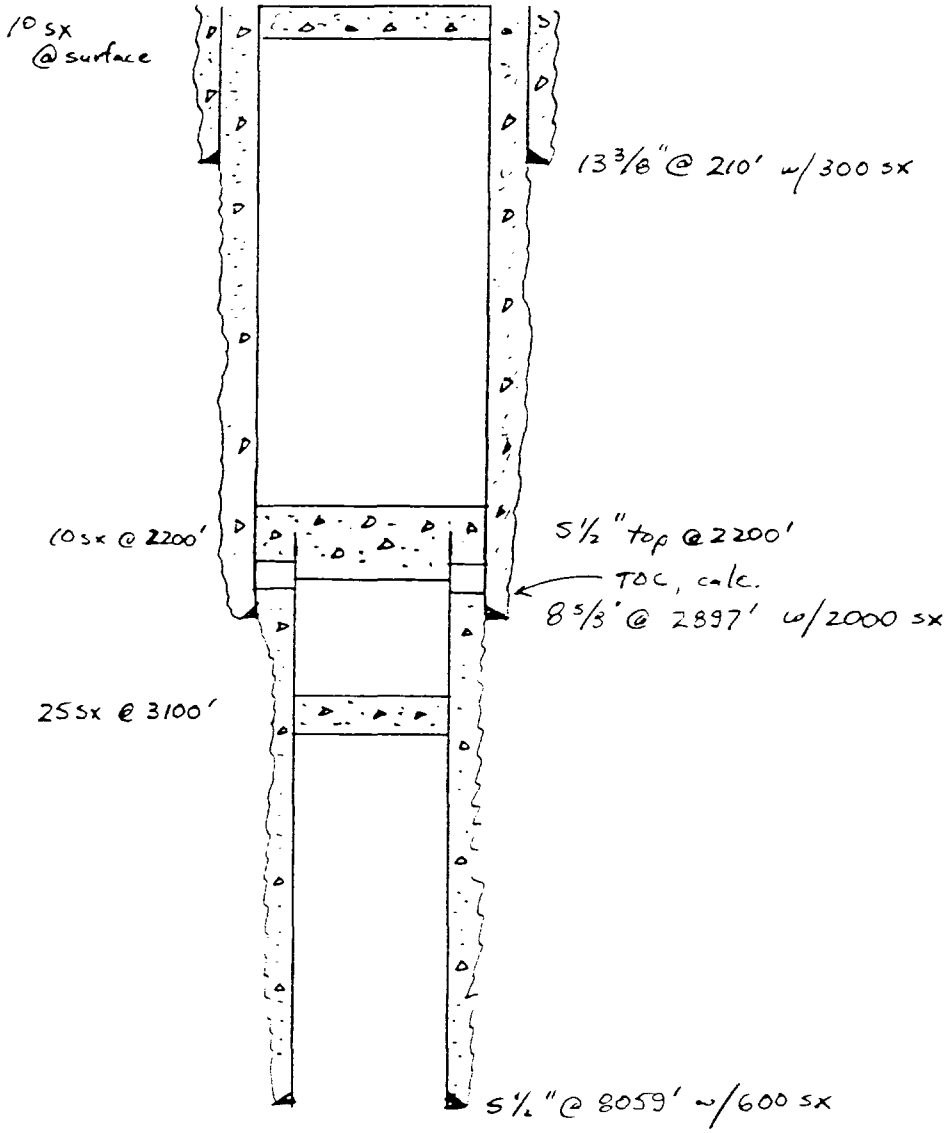


VTJ 9/87

P+A'd well

SHELL TURNER #7

3630' FNL, 4950' FEL
22-21S-37E



AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, Kathi Bearden

General Manager

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

of 1

weeks.

Beginning with the issue dated

May, 21, 1995

and ending with the issue dated

May, 21, 1995

Kathi Bearden
General Manager

Sword and subscribed to before me this 25 day of May, 1995

Notary Public.

My Commission expires
March 24, 1998
(Seal)

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

LEGAL NOTICE
May 21, 1995

Notice is hereby given of the application of Shell Western E & P Inc., Attention: Y. T. Iverson, Land Representative, P.O. Box 576, Houston, TX 77001 (713) 544-3226, to the Oil Conservation Division, New Mexico Energy, Minerals and Natural Resources Department, for approval of the following injection wells for the purpose of secondary recovery.

Pool Name: North Eunice Blinebry-Tubb-Drinkard Oil & Gas
Lease/Unit Name: Northeast Drinkard Unit
All wells are located in Lea County, New Mexico

Well No. 110-(Formerly Conoco Hawk B-3, No. 18)
Location-1980' FNL & 1980' FEL Section 3, T21S-R37E Unit G

Well No. 224-(Formerly Chevron H. Leonard NCT-F, No. 7)
Location-4302.8 FSL & 2317 FEL Section 2, T21S-R37E Unit J

Well No. 308-(Formerly Conoco Hawk B-3, No. 11)
Location-1980' FSL & 660' FEL Section 3, T21S-R37E Unit Q

Well No. 318-(Formerly Conoco Harry Leonard NCT-F, No. 18)
Location-1650' FSL & 1980' FEL Section 2, T21S-R37E Unit R

Well No. 902-(Formerly Turner No. 10)
Location-2080' FSL & 1650' FWL Section 22, T21S-R37E Unit K

The injection formations are the Blinebry, Tubb, and Drinkard located between the intervals of 5500' MD to 6800' MD below the surface of the ground. Expected maximum injection rate is 2000 barrels per day, and expected maximum injection pressure is 1200psi. Interested parties must file objections or requests for hearing with the Oil Conservation Division, 310 Old Santa Fe Trail, Room 206, Santa Fe, New Mexico 87504, within fifteen (15) days.

PS Form 3811, July 1983 447-845

DOMESTIC RETURN RECEIPT

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☐ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:

CHRIS M. FURNEAUX
P.O. BOX 575
WALDEN, CO 80480

4. Type of Service:

☐ Registered ☐ Insured
☑ Certified ☐ COD
☐ Express Mail

Article Number

P300 358319

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature – Addressee

X

6. Signature – Agent

X

7. Date of Delivery

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

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1. ☐ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
MARILYN McNEILL CATES
5601 S. CRESTBROOK
MORRISON, CO 80465

4. Type of Service:
☐ Registered ☐ Insured
☑ Certified ☐ COD
☐ Express Mail

Article Number: P 300 358 320

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PS Form 3811, July 1983 447-845

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1. ☐ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
MARCIA McNEILL BLACKBURN
P.O. BOX 3989
ABILENE, TX 79604

4. Type of Service:
☐ Registered ☐ Insured
☑ Certified ☐ COD
☐ Express Mail

Article Number: P 300 358 321

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5. Signature – Addressee
X

6. Signature – Agent
X

7. Date of Delivery

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1. ☐ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
MURIEL T. McNEILL
IND. & AS TRUSTEE OF THE WILL N.
TERRY TRUST
P.O. BOX 686
HOBBS, NM 88241

4. Type of Service:
☐ Registered ☐ Insured
☑ Certified ☐ COD
☐ Express Mail

Article Number: P 300 358 322

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature – Addressee
X

6. Signature – Agent
X

7. Date of Delivery

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

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1. ☐ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
JOHN H. HENDRIX, CORPORATION
P.O. BOX 910
EUNICE, NM 88231

4. Type of Service:
☐ Registered ☐ Insured
☑ Certified ☐ COD
☐ Express Mail

Article Number: P 300 358 323

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature – Addressee
X

6. Signature – Agent
X

7. Date of Delivery

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

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1. ☐ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:

EXXON CORPORATION
P.O. BOX 1600
MIDLAND, TX 79702-1600

4. Type of Service:
☐ Registered ☐ Insured
☑ Certified ☐ COD
☐ Express Mail

Article Number: P 300 358 324

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature – Addressee
X

6. Signature – Agent
X

7. Date of Delivery

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

PS Form 3811, July 1983 447-845 DOMESTIC RETURN RECEIPT

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1. ☐ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:

ELLIOTT OIL COMPANY
P. O. BOX 1355
ROSWELL, NM 88202-1355

4. Type of Service:
☐ Registered ☐ Insured
☑ Certified ☐ COD
☐ Express Mail

Article Number: P 300 358 325

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature – Addressee
X

6. Signature – Agent
X

7. Date of Delivery

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

PS Form 3811, July 1983 447-845 DOMESTIC RETURN RECEIPT

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1. ☐ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:

CONOCO, INC.
1410 N. WEST COUNTY ROAD
Hobbs, NM 88240

4. Type of Service:
☐ Registered ☐ Insured
☑ Certified ☐ COD
☐ Express Mail

Article Number: P 247 193 935

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature – Addressee
X

6. Signature – Agent
X

7. Date of Delivery

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

PS Form 3811, July 1983 447-845 DOMESTIC RETURN RECEIPT

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1. ☐ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:

S.E. CONE, JR.
P.O. BOX 10321
Lubbock, TX 79408-3321

4. Type of Service:
☐ Registered ☐ Insured
☑ Certified ☐ COD
☐ Express Mail

Article Number: P 247 193 936

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature – Addressee
X

6. Signature – Agent
X

7. Date of Delivery

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

PS Form 3811, July 1983 447-845 DOMESTIC RETURN RECEIPT

PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 3 and 4.

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1. ☐ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
MILLARD DECK
C/O NATIONAL BANK OF TEXAS
1777 N.E. LOOP, # 410, SUITE 1250
SAN ANTONIO, TX 78217

4. Type of Service:	Article Number
☐ Registered ☐ Insured ☑ Certified ☐ COD ☐ Express Mail	P 247 193 937

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature – Addressee
X

6. Signature – Agent
X

7. Date of Delivery

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

DOMESTIC RETURN RECEIPT

PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 3 and 4.

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1. ☐ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
DALLAS McCASLAND
P. O. BOX 206
EUNICE, NM 88231

4. Type of Service:	Article Number
☐ Registered ☐ Insured ☑ Certified ☐ COD ☐ Express Mail	P 247 193 938

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature – Addressee
X

6. Signature – Agent
X

7. Date of Delivery

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

DOMESTIC RETURN RECEIPT

PS Form 3811, July 1983 447-845

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1. ☐ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
STATE OF NEW MEXICO
OFFICE OF LAND COMMISSIONER
P. O. BOX 1148
STATE LAND OFFICE BLDG.
SANTA FE, NM 87504-1148

4. Type of Service:	Article Number
☐ Registered ☐ Insured ☑ Certified ☐ COD ☐ Express Mail	P 247 193 939

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature – Addressee
X

6. Signature – Agent
X

7. Date of Delivery

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

DOMESTIC RETURN RECEIPT

PS Form 3811, July 1983 447-845

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1. ☐ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:
STATE OF NEW MEXICO
Oil Conservation Division
2040 South Pacheco
SANTA FE NM 87505

4. Type of Service:	Article Number
☐ Registered ☐ Insured ☐ Certified ☐ COD ☐ Express Mail	P 247 193 940

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature – Addressee
X

6. Signature – Agent
X

7. Date of Delivery

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

DOMESTIC RETURN RECEIPT

CHECKLIST for ADMINISTRATIVE INJECTION APPLICATIONS

Operator: SHELL WESTERN E+P, INC. Well: NORTHEAST DRINKARD UNIT - 5 WELLS

Contact: YVONNE IVERSON Title: LAND REP Phone: (713) 544-3226

DATE IN 7-3-95 RELEASE DATE 7-17-95 DATE OUT 7-27-95

Proposed Injection Application is for: X WATERFLOOD X Expansion ___ Initial

Original Order: R- 9541 X Secondary Recovery ___ Pressure Maintenance

~~SENSITIVE AREAS~~ ___ SALT WATER DISPOSAL

~~___ WIPP~~ ~~___ Capitan Reef~~ ___ Commercial Operation

Data is complete for proposed well(s)? YES Additional Data _____

AREA of REVIEW WELLS

17 Total # of AOR 6 # of Plugged Wells

YES Tabulation Complete YES Schematics of P & A's

* YES Cement Tops Adequate YES AOR Repair Required - AS NOTED BELOW

INJECTION INFORMATION

Injection Formation(s) SUNERRY / TUBB / DRINKARD

Source of Water SAN ANDRES SUPPLY WELLS Compatible YES

PROOF OF NOTICE

YES Copy of Legal Notice YES Information Printed Correctly

YES Correct Operators YES Copies of Certified Mail Receipts

NO Objection Received X Set to Hearing N/A Date

NOTES: * CMT SQZ: DAURON NO. 3 "A" 10-21S-37E

EUBANK 'C' NO. 8 "G" 22-21S-37E

APPLICATION QUALIFIES FOR ADMINISTRATIVE APPROVAL YES

COMMUNICATION WITH CONTACT PERSON:

1st Contact: ___ Telephoned ___ Letter _____ Date Nature of Discussion _____

2nd Contact: ___ Telephoned ___ Letter _____ Date Nature of Discussion _____

3rd Contact: ___ Telephoned ___ Letter _____ Date Nature of Discussion _____