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

Case 10648

RECEIVED
NOV
1992
OIL CONSERVATION DIVISION

APPLICATION FOR AUTHORIZATION TO INJECT

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

II. Operator: Seely Oil Company

Address: 815 W. 10th St., Fort Worth, Tx. 76102

Contact party: David L. Henderson Phone: 817/332-1377

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

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

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

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

VII. Attach data on the proposed operation, including:

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

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

IX. Describe the proposed stimulation program, if any.

* X. Attach appropriate logging and test d... with the Division they need not be re...

* XI. Attach a chemical analysis of fresh ... available and producing) within one ... location of wells and dates samples ...

XII. Applicants for disposal wells must m... examined available geologic and engi... or any other hydrologic connection b... source of drinking water.

XIII. Applicants must complete the "Proof ...

This stuff is different than the C-108 submitted w/hearing

SEELY 9
10647 AND 10648

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: David L. Henderson Title Vice President

Signature: David L. Henderson Date: November 23, 1992

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

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

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this applicatic 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 wel

(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.

SEELY OIL COMPANY
815 WEST TENTH STREET
FORT WORTH, TEXAS 76102

OIL CONSERVATION DIVISION
FORM C-108

Application of Seely Oil Company
For a Secondary Recovery Project
Central EK Queen Unit Project
Lea County, New Mexico

I. Purpose:

Application is made for authorization to inject water into the Queen formation underlying various leases in Sections 7, 8, 9, 17, and 18 of Township 18 South, Range 34 East, Lea County, New Mexico, as shown on the enclosed map. This project would be classified as a secondary recovery project for recovering hydrocarbons that cannot be recovered by primary means.

All the wells in the proposed project area are primary depleted. Our engineering studies indicate that the injection of water into the Queen formation underlying these leases will result in the recovery of secondary oil in economic quantities, and should be beneficial to all parties holding any type of interest in the project area.

II. Operator:

Seely Oil Company
815 W. 10th Street
Fort Worth, Texas 76102

Phone Number: (817) 332-1377

III. Injection Well Data:

A well data sheet is attached for each of the wells that we propose for water injection. Three (3) wells are scheduled to be converted to water injection and the locations are as follows:

Section	9-18S-34E	Unit Letter L	1980' FSL &	660' FWL
Section	9-18S-34E	Unit Letter M	660' FSL &	660' FWL
Section	7-18S-34E	Unit Letter E	2310' FNL &	660' FWL

Schematics are enclosed which show the current construction of these three wells as well as the proposed construction. Two (2) wells are scheduled to be re-entered and returned to water injection and are located as follows:

Section 7-18S-34E Unit Letter F 1650' FNL & 2176' FWL
Section 7-18S-34E Unit Letter G 1650' FNL & 1980' FEL

Schematics are enclosed which show the amount and location of plugs in addition to the proposed construction. Six (6) water injection wells are proposed to be drilled at the following locations:

Section 17-18S-34E Unit Letter A
Section 18-18S-34E Unit Letter A
Section 17-18S-34E Unit Letter C
Section 8-18S-34E Unit Letter L
Section 7-18S-34E Unit Letter M
Section 7-18S-34E Unit Letter L

One schematic, titled "Typical Water Injection Well" is enclosed representing the proposed construction of these six (6) wells to be drilled.

IV. Existing Project:

The proposed project is not an expansion of a previous project.

V. Ownership:

A lease ownership map is enclosed which identifies all wells and lease ownership within two (2) miles of any of the eleven (11) proposed injection wells. A separate map is attached on which the area of review has been identified by drawing a one-half mile circle around each injection well.

VI. Well Data:

There are 62 wells that have been drilled through the Queen formation within the area of review. Thirty have been plugged and abandoned and 32 are producing. Available data for each well is enclosed on the well data sheets as well as all necessary schematics for injection wells and plugged and abandoned wells.

VII. Project Data:

1. The proposed daily average water injection is estimated to be 200 barrels per day for each of the proposed eleven (11) injection wells.

2. All oil and water produced will be separated and stored in covered production tanks and all fresh water used will be stored in a covered steel tank; thus, this is a closed system.

3. Initially the injection wells may take water on a vaccum, but as the reservoir fills a positive surface injection presure will be required to inject water. The maximum injection pressure will also be determined by proposed step-rate pressure tests. At no time prior to the step-rate tests will the injection pressure exceed a pressure limitation of 0.2 PSIG per foot of depth to the top of the injection well.

4. The source of injection fluid will be produced water from the producing wells within the unit and fresh water from the Ogollala aquifier when a fresh water supply well is drilled and completed within the unit boundary.

5. No water compatibility problems are expected since Ogollala water has been successfully injected into the Queen formation in the Murphy H. Baxter North EK Queen Unit and the Mobil EK Queen Unit, and compatability tests were performed on various water samples within this Unit Area.

VIII. Stimulation Program:

Each of the currently producing wells has previously received a fracture treatment which are outlined on the enclosed well data sheets.

The wells that will be converted to water injection may require a small clean-up acid treatment in the amount of about 1,000 to 2,000 gallons prior to injection. Any wells that are drilled for injection will be acidized with a small clean-up acid job and fracture treated with 10,000 to 20,000 gallons and 15,000 to 30,000 lbs. sand.

IX. Injection Zone Isolation:

Available engineering and geologic data show no evidence of open faulting or any other hydrologic connection between the injection zone and any underground source of drinking water.

X. Certification:

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

C. W. Seely, Petroleum Engineer

November 23, 1992

OFFSET OPERATORS

Section 8

Ray Westall
Box 4
Loco Hills, N.M. 88255

Amoco Production Company
P. O. Box 3092
Houston, Texas 77253
Attn: Mr. Dan Janik

Section 9

Meridian Oil, Inc.
801 Cherry Street, Suite 700
Fort Worth, Texas 76102

JFG Enterprises
Box 100
Artesia, N.M. 88211-0100

Collins & Ware
Box 2443
Roswell, N.M. 88202-2443

Section 16

Bass Enterprises Production Co.
201 Main Street, Suire 3100
Fort Worth, Texas 76102

Santa Fe Exploration Company
P. O. Box 1136
Roswell, N.M. 88202

Mobil Producing
Box 633
Midland, Texas 79702

Section 18

Oryx Energy Company
Box 1861
Claydesta Plaza
24 Smith Rd.
Midland, Texas 79703

Section 12

Oxy USA, Inc.
P. O. Box 50250
Midland, Texas 79710
Attn: Mr. Scott Gengler

Section 7

Chevron U.S.A. Inc.
Permian Basin Production Business Unit
P. O. Box 1150
Midland, Texas 79702

Marathon Oil Company
P. O. Box 552
Midland, Texas 79702
Attn: Mr. Tom Hill

Section 6

Maralo, Inc.
223 West Wall, 9th Fl.
Midland, Texas 79702

SURFACE:

Ray Pearce, Jr.
1717 Jackson
Pecos, Texas 79772

CENTRAL EK QUEEN UNIT

WORKING INTEREST OWNERS

J. Cleo Thompson & James Cleo Thompson, Jr., a Partnership
325 N. St. Paul, Suite 4500
Dallas, Texas 75201-3993

Patricia Dean Boswell, Trustee
1320 Lake Street
Fort Worth, Texas 76102

John P. Oil Company
1320 Lake Street
Fort Worth, Texas 76102

C.E.B. Oil Company
1320 Lake Street
Fort Worth, Texas 76102

E.A.B. Oil Company
1320 Lake Street
Fort Worth, Texas 76102

P.V.B. Oil Company
1320 Lake Street
Fort Worth, Texas 76102

Houston & Emma Hill Trust Estate
500 Throckmorton, Suite 2803
Fort Worth, Texas 76102

Express Air Drilling, Inc.
2 Turtle Creek Village, Suite 1525
Dallas, Texas 75219

Wes-Tex Drilling Company
P. O. Box 3739
Abilene, Texas 79604

Northbrook Business Center
506 Fort Worth Club Bldg.
Fort Worth, Texas 76102

Burnett Oil Company
801 Cherry Street, Suite 1500
Fort Worth, Texas 76102

Merlyn W. Dahlin and wife, Ruth G. Dahlin
3220 North Freeway
Fort Worth, Texas 76111

Charles P. Davis and wife, Shirley A. Davis
1307 8th Ave., Suite 308
Fort Worth, Texas 76104

David L. Henderson and wife, Dawn Henderson
815 W. 10th Street
Fort Worth, Texas 76102

Michael J. Havel and wife, Kathleen A. Havel
7607 Chalkstone
Dallas, Texas 75248

C. W. Stumhoffer and wife, Frieda T. Stumhoffer
1007 Ridglea Bank Bldg.
Fort Worth, Texas 76116

C. W. Seely and wife, Ina B. Seely
815 W. 10th Street
Fort Worth, Texas 76102

Santa Fe Exploration Company
P. O. Box 1136
Roswell, New Mexico 88202

Armstrong Energy Corp.

Judy Harris

Laurelind Corp.

Frances Buckler
1809 Aden Rd.
Fort Worth, Tx. 76116

Roger W. Moore
8504 Fairway Dr.
Fort Worth, Tx. 76116

J. C. Maddux
1012 Ridglea Bank Bldg.
Fort Worth, Tx. 76116

Thomas J. Maddux
1012 Ridglea Bank Bldg.
Fort Worth, Tx. 76116

OVERRIDING ROYALTIES:

Bill M. Scales and wife, Mary T. Scales
500 Throckmorton, Suite 2803
Fort Worth, Texas 76102

Marc H. Lowrance, Jr. and wife, Mary Anne Lowrance
P. O. Box 9016
Fort Worth, Texas 76147

C. W. Seely and wife, Ina B. Seely
815 W. 10th St.
Fort Worth, Texas 76102

Amoco Production Company
P. O. Box 591
Tulsa, Oklahoma 74102

Thomas R. Smith
1505 S. CR 1130
Midland, Texas 79701

John Saleh
502 North 1st St.
Lamesa, Texas 79331

Linda W. Smith
P. O. Box 8974
Midland, Texas 79701

Santa Fe Exploration Co.
P. O. Box 1136
Roswell, New Mexico 88202

Windell A. Thomason
P. O. Box 411
Midland, Texas 79702-0411

David S. Googins, Jr.
P. O. Box 2591
Midland, Texas 79702-2591

George Weis
3300 "B" Moss Ct.
Midland, Texas 79707-3644

Bobby Hicks
3306 Andrews Hwy.
Midland, Texas 79703-5131

Marathon Oil Company
P. O. Box 552
Midland, Texas 79702

Dwight A. Free, Jr.
4356 Edmondson
Dallas, Texas 75205

John E. Casey
P. O. Box 10533
Midland, Texas 79702

Bradley A. Pomeroy
7514 East Hinsdale Avenue
Englewood, Colorado 80112

Hamon Operating Company
8411 Preston Rd, Suite 800
LB 33
Dallas, Texas 75225

ROYALTIES

State of New Mexico Commissioner of
Public Lands
P. O. Box 1148
Santa Fe, New Mexico 87504-1148

Lessee of Record

C. W. Stumhoffer & Frieda T. Stumhoffer
1007 Ridglea Bank Bldg.
Fort Worth, Texas 76116

Amoco Production Company
P. O. Box 3092
Houston, Texas 77253

Marathon Oil Company
P. O. Box 552
Midland, Texas 79702

Santa Fe Natural Resorce, Inc.
& Ray Westall
P. O. Box 4
Loco Hills, New Mexico 88255

JFG Enterprises
Box 100
Artesia, New Mexico 88211-0100

Oxy USA, Inc.
P. O. Box 50250
Midland, Texas 79710

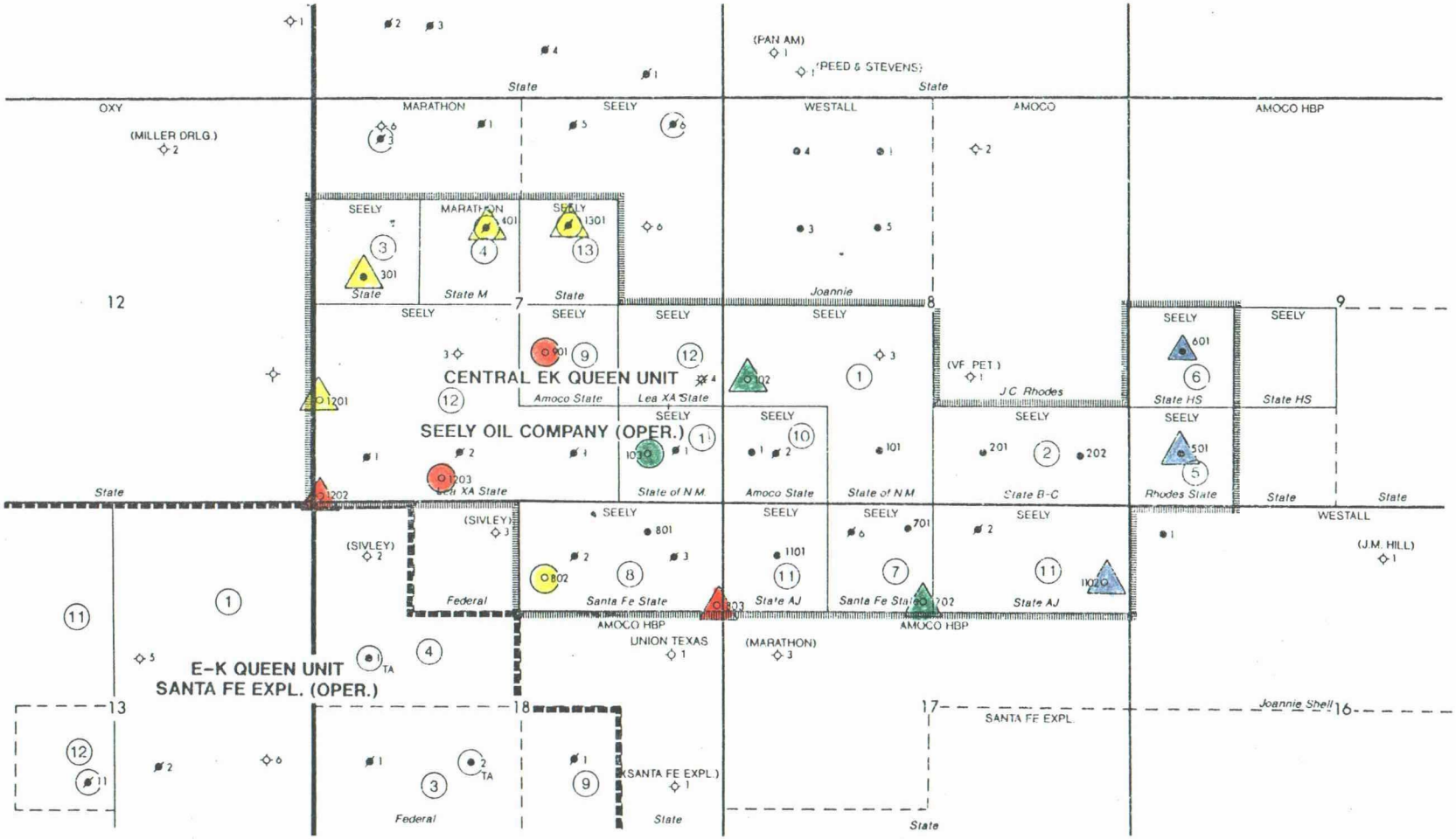
Pogo Producing Company
P. O. Box 10340
Midland, Texas 79702-7340

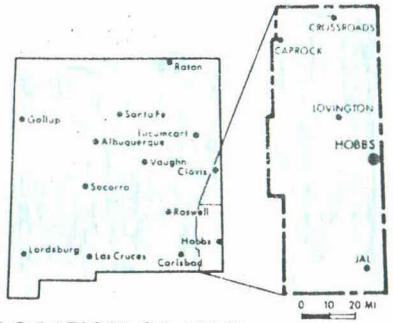
Chevron USA, Inc.
P. O. Box 1150
Midland, Texas 79702

R. 33 E.

R. 34 E.

T. 18 S.





LOCATION OF MAP LEA COUNTY

QUEEN SAND DEVELOPMENT PLAN

INJECTOR PRODUCER

- 1993 WELLS TO BE ADDED
- 1994 WELLS TO BE ADDED
- 1995 WELLS TO BE ADDED
- 1996 WELLS TO BE ADDED

LEGEND

E.K. YATES-SR-QUEEN WELLS ONLY

- QUEEN SAND OIL WELL
- PLUGGED AND ABANDONED QUEEN SAND OIL WELL
- PLUGGED AND ABANDONED QUEEN SAND GAS WELL
- QUEEN SAND DRY HOLE
- PLUGGED AND ABANDONED, QUEEN SAND WATER INJECTION WELL
- TA TEMPORARILY ABANDONED, QUEEN SAND WATER INJECTION WELL
- SALT WATER DISPOSAL WELL, QUEEN SAND
- (9) TRACT NUMBER

Seely Oil Company

CENTRAL E.K. QUEEN UNIT

E.K. YATES SEVEN RIVERS QUEEN FIELD

Lea County, New Mexico

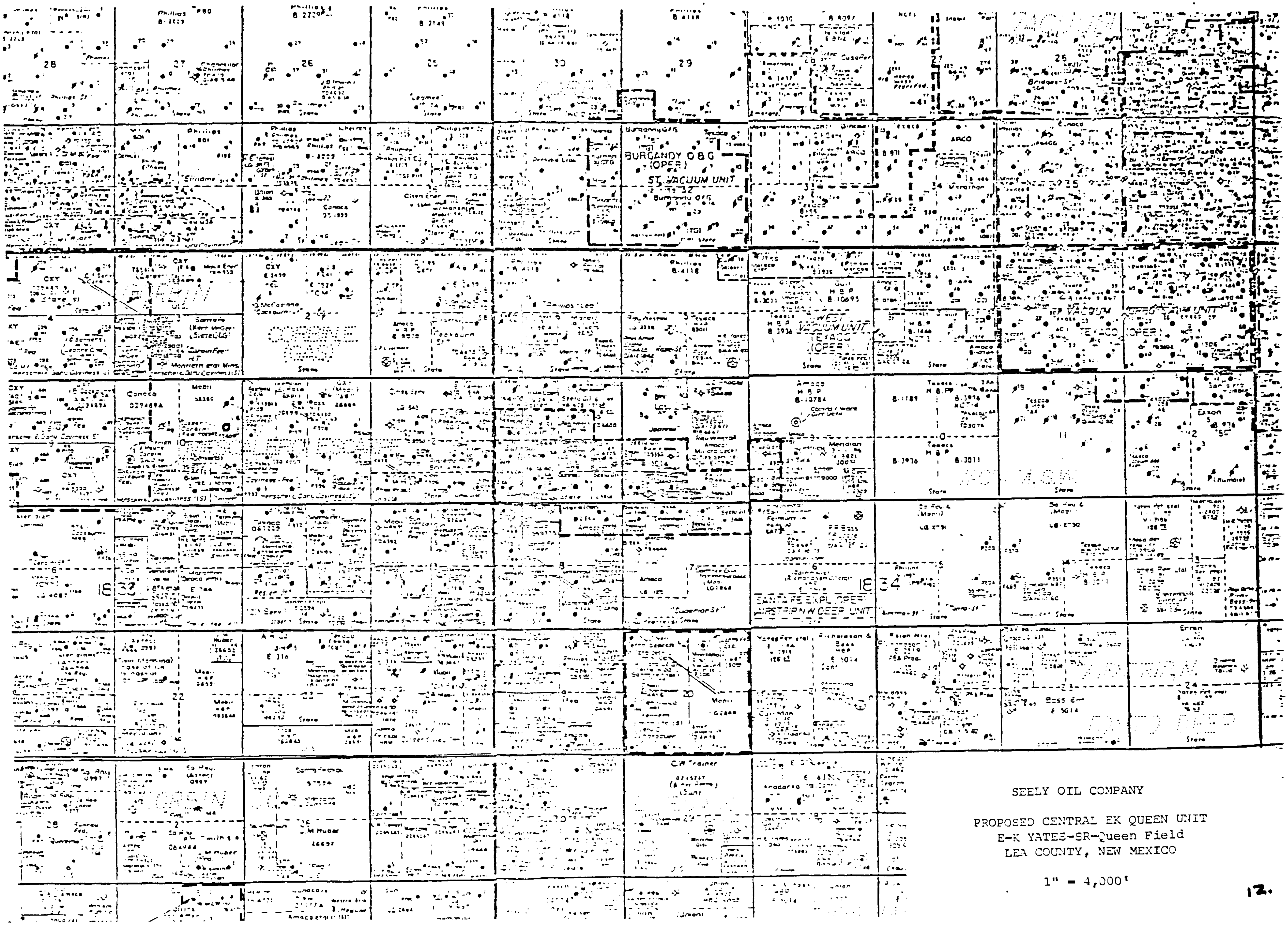
0 1000 2000

SCALE IN FEET

PLAN OF DEVELOPMENT

DATE: 3/3/93

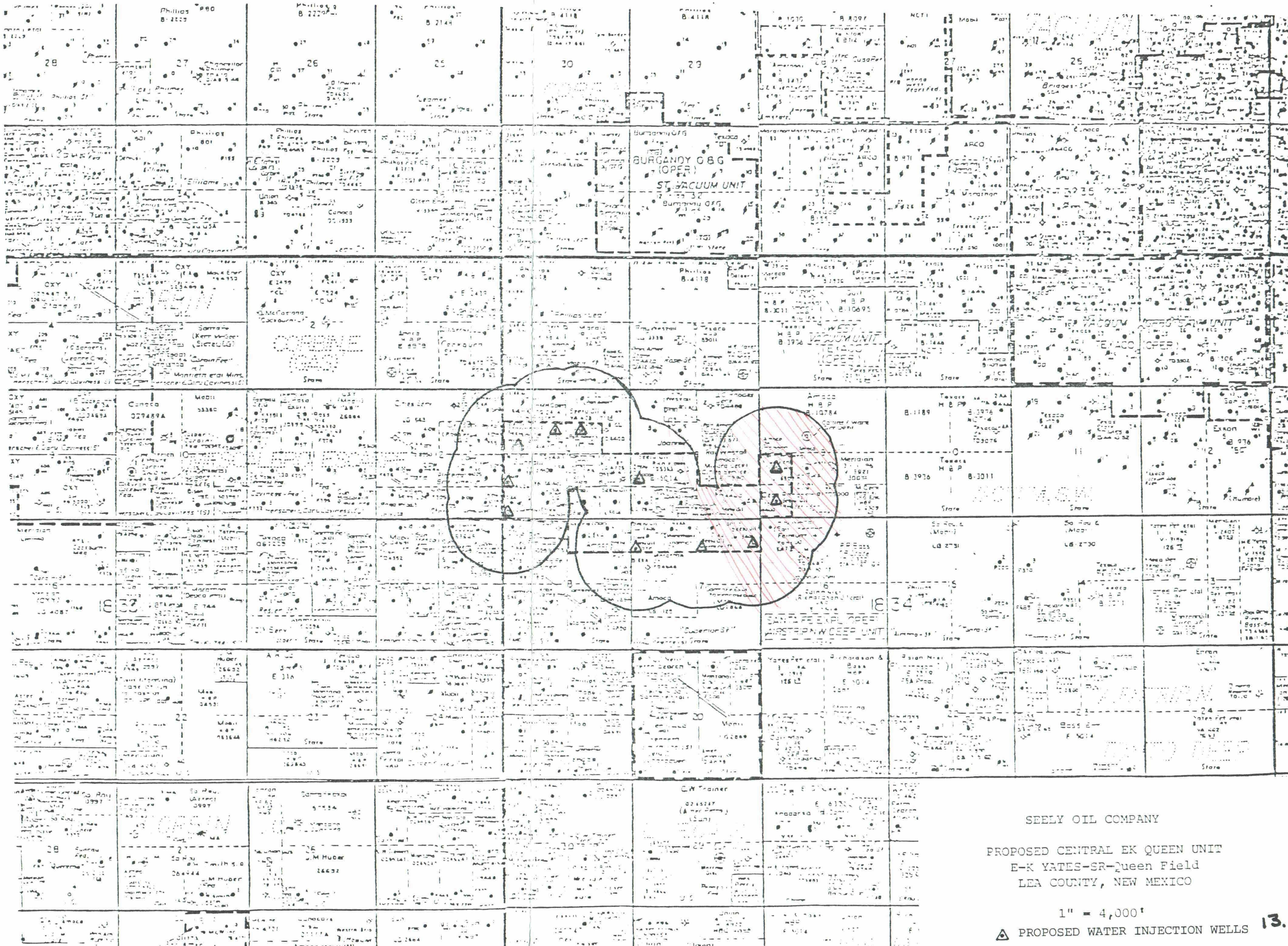
DARNELL GROUP • FT WORTH TEXAS



SEELY OIL COMPANY

PROPOSED CENTRAL EK QUEEN UNIT
E-K YATES-SR-Queen Field
LEA COUNTY, NEW MEXICO

1" = 4,000'



SEELY OIL COMPANY

PROPOSED CENTRAL EK QUEEN UNIT
E-K YATES-SR-Queen Field
LEA COUNTY, NEW MEXICO

1" = 4,000'

△ PROPOSED WATER INJECTION WELLS

13.

INJECTION WELL DATA SHEET

OPERATOR	LEASE			
Seely Oil Company	State OG 2414			
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
1	2310' FNL & 660' FWL	7	18S	34E E

Schematic

See Attached.

Tabular Data

PROPOSED

Surface Casing

Size 13-3/8" 48# " Cemented with 400 sx.

TOC Surface feet determined by Circulation

Hole size 17-1/2" Set at 375'

Intermediate Casing

Size 8-5/8" 24 & 32# Cemented with 1550 sx.

TOC Surface feet determined by Circulation

Hole size 11" Set at 3725'

Long string

Size 4-1/2" 10.5#" Cemented with 300 sx.

TOC 3100 (estimated feet determined by Calculation

Hole size 7-7/8" Set at 4600'

Total depth 9000'

Injection interval

4361 feet to 4366 feet
(perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with plastic (material) set in a

Guiberson Uni-1 (brand and model) packer at 4250 feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Queen

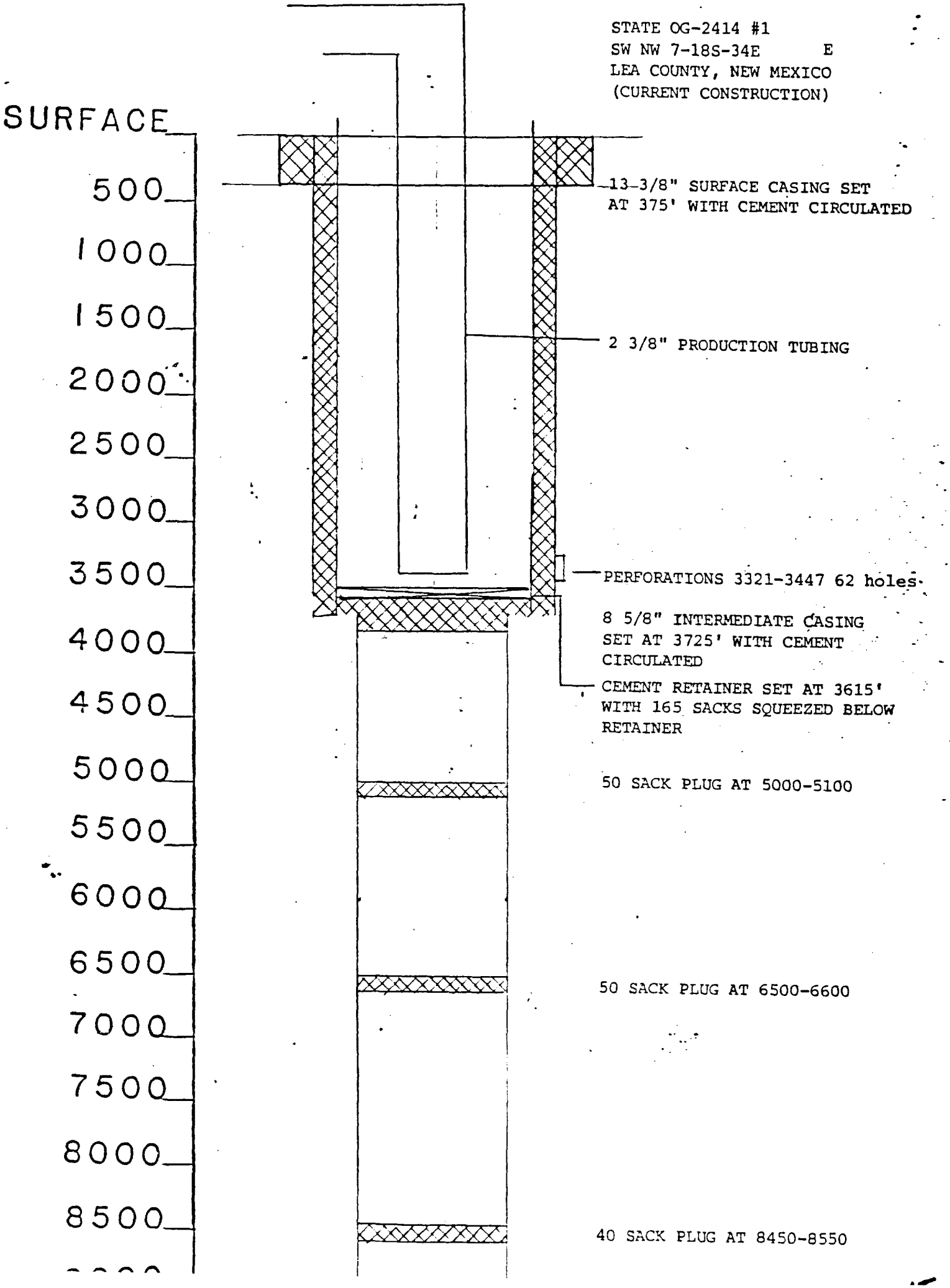
2. Name of Field or Pool (if applicable) E-K Yates-Seven Rivers-Queen

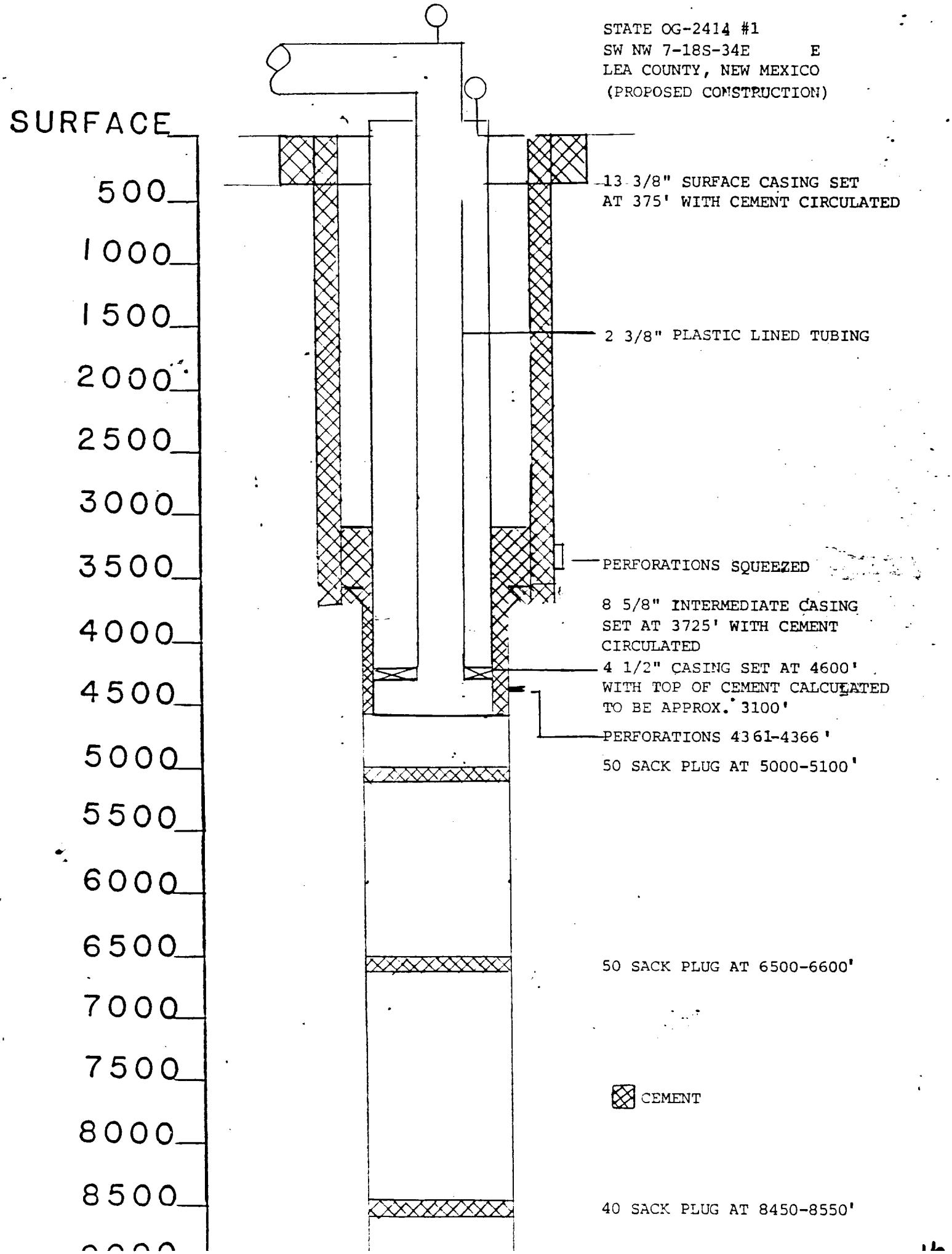
3. Is this a new well drilled for injection? [ ] Yes [X] No

   If no, for what purpose was the well originally drilled? Drilled to 9000' to test the Bone Springs. Is currently producing from the Yates formation.

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. 3321-25', 3331-37', 3347-53', 3428-28', 3434-41, 3444-47, total of 62 holes. Will be squeezed prior to conversion to water injection.

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Yates 3300', Grayburg 4500'


STATE OG-2414 #1
SW NW 7-18S-34E E
LEA COUNTY, NEW MEXICO
(CURRENT CONSTRUCTION)
SURFACE
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
6500
7000
7500
8000
8500
13-3/8" SURFACE CASING SET AT 375' WITH CEMENT CIRCULATED
2 3/8" PRODUCTION TUBING
PERFORATIONS 3321-3447 62 holes
8 5/8" INTERMEDIATE CASING SET AT 3725' WITH CEMENT CIRCULATED
CEMENT RETAINER SET AT 3615' WITH 165 SACKS SQUEEZED BELOW RETAINER
50 SACK PLUG AT 5000-5100
50 SACK PLUG AT 6500-6600
40 SACK PLUG AT 8450-8550


STATE OG-2414 #1
SW NW 7-18S-34E E
LEA COUNTY, NEW MEXICO
(PROPOSED CONSTRUCTION)
SURFACE
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
6500
7000
7500
8000
8500
13 3/8" SURFACE CASING SET AT 375' WITH CEMENT CIRCULATED
2 3/8" PLASTIC LINED TUBING
PERFORATIONS SQUEEZED
8 5/8" INTERMEDIATE CASING SET AT 3725' WITH CEMENT CIRCULATED
4 1/2" CASING SET AT 4600' WITH TOP OF CEMENT CALCULATED TO BE APPROX. 3100'
PERFORATIONS 4361-4366'
50 SACK PLUG AT 5000-5100'
50 SACK PLUG AT 6500-6600'
CEMENT
40 SACK PLUG AT 8450-8550'

INJECTION WELL DATA SHEET

OPERATOR	LEASE			
Marathon Oil Corp.	State M			
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
2	2176' FWL & 1650' FNL	7	18S	34E F

Schematic

See Attached.

Tabular Data

Surface Casing

Size 7-5/8" 26# " Cemented with 175 sx.

TOC Surface feet determined by Circulated

Hole size 10-3/4" Set at 384'

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long string

Size 4-1/2" 11.6# " Cemented with 200 sx.

TOC 3000' (estimated) feet determined by Calculation

Hole size 6-3/4" Set at 4419'

Total depth 4421'

Injection interval

4348 feet to 4355 feet

(perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with plastic (material) set in a

Guiberson Uni-1 (brand and model) packer at 4250± feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Queen

2. Name of Field or Pool (if applicable) E-K Yates-Seven Rivers-Queen

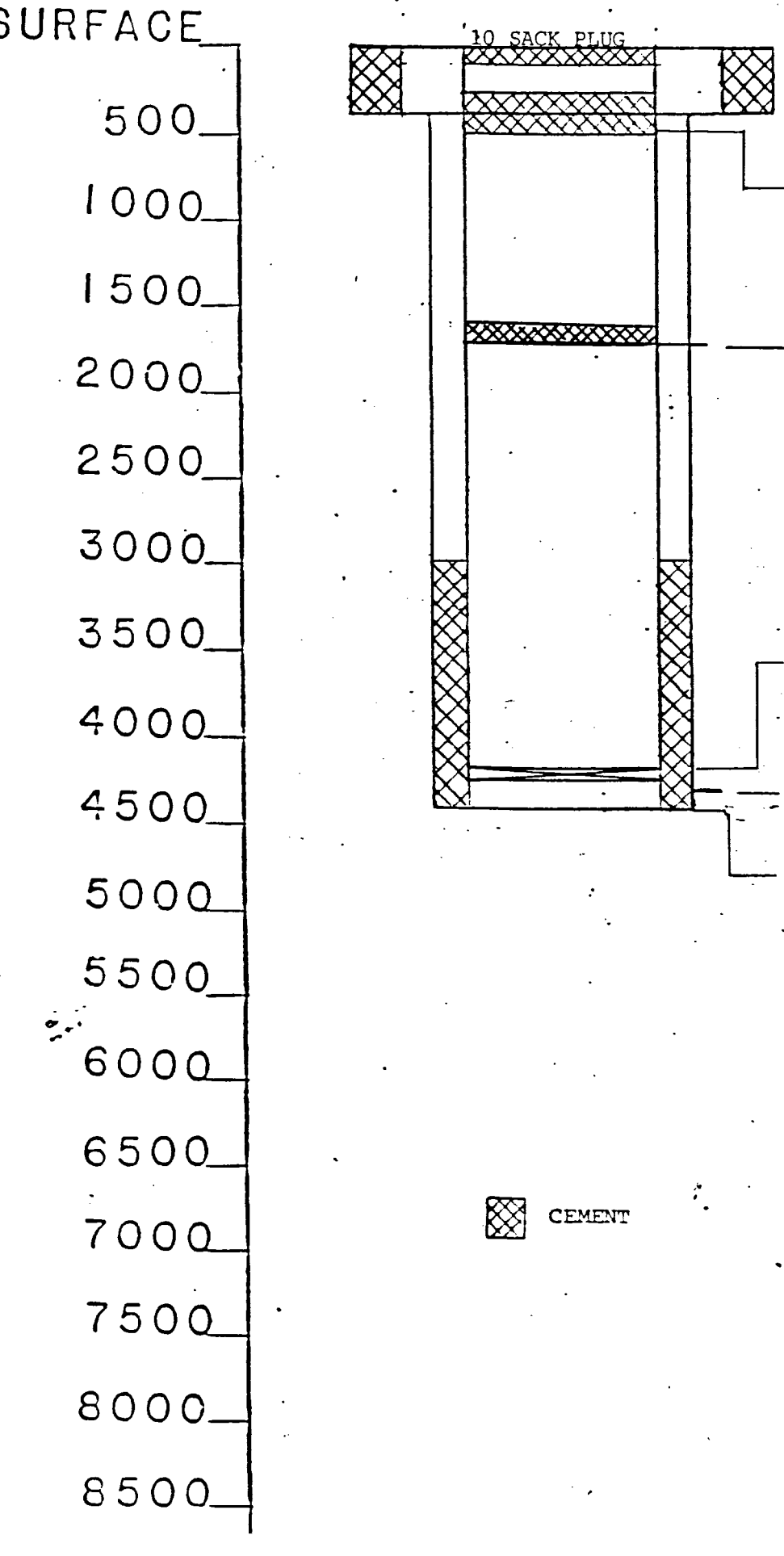
3. Is this a new well drilled for injection? [ ] Yes [X] No

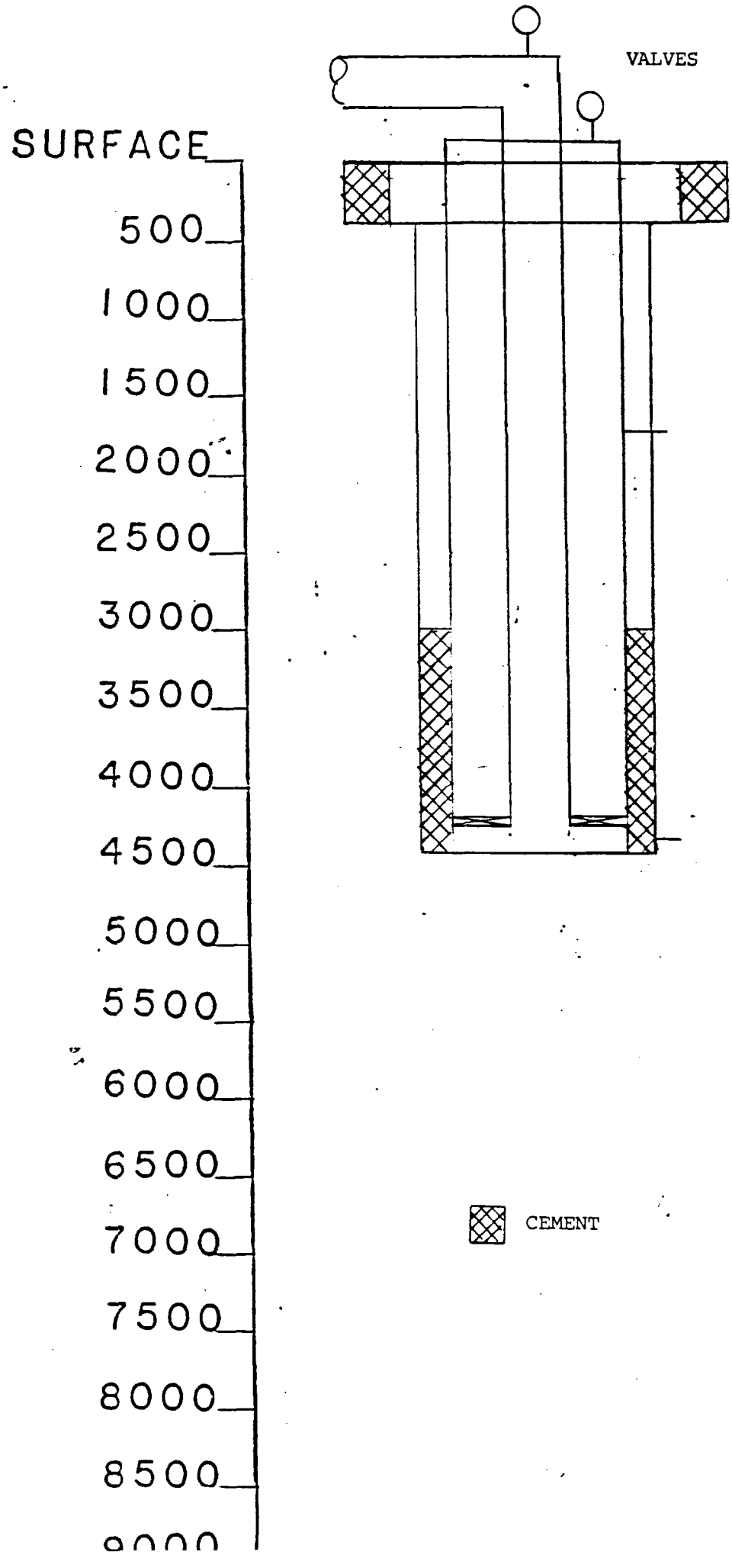
If no, for what purpose was the well originally drilled? Oil producer from Queen formation

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, 4 squeeze holes @ 1700' cemented w/100 sxs. of cement above anhydrite section

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Yates 3600', Grayburg 4600'

STATE M #2
SE NW 7-18S-34E F
LEA COUNTY, NEW MEXICO
(PRESENT CONDITION)





STATE M #2
SE NW 7-18S-34E F
LEA COUNTY, NEW MEXICO
(PROPOSED CONSTRUCTION)

7 5/8" SURFACE CASING
SET AT 384' WITH CEMENT
CIRCULATED

4 SQUEEZE HOLES AT 1700'
CEMENTED WITH 100 SACKS

2 3/8" PLASTIC LINED TUBING

INJECTION PACKER AT 4250±

PERFORATIONS 4348-4355

4 1/2"CASING SET AT 4419'
WITH CEMENT TOP CALCUTED
TO BE APPROX. 3000'

INJECTION WELL DATA SHEET

OPERATOR	LEASE			
Seely Oil Company	State "CL"			
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
7	1650' FNL & 1980' FEL	7	18S	34E G

Schematic

See Attached.

Tabular Data

Surface Casing

Size 13-3/8" 35.6# Cemented with 320 sx.

TOC Surface feet determined by Circulation

Hole size 17-1/2" Set at 330'

Intermediate Casing

Size _____" Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long string

Size 4-1/2" 9.5# " Cemented with 320 sx.

TOC 3000' (estimated) feet determined by Calculation

Hole size 8" Set at 4413'

Total depth 4413'

Injection interval

4342 feet to 4360 feet
(perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with plastic (material) set in a

Guiberson Uni-1 (brand and model) packer at 4300± feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Queen

2. Name of Field or Pool (if applicable) E-K Yates-Seven Rivers-Queen

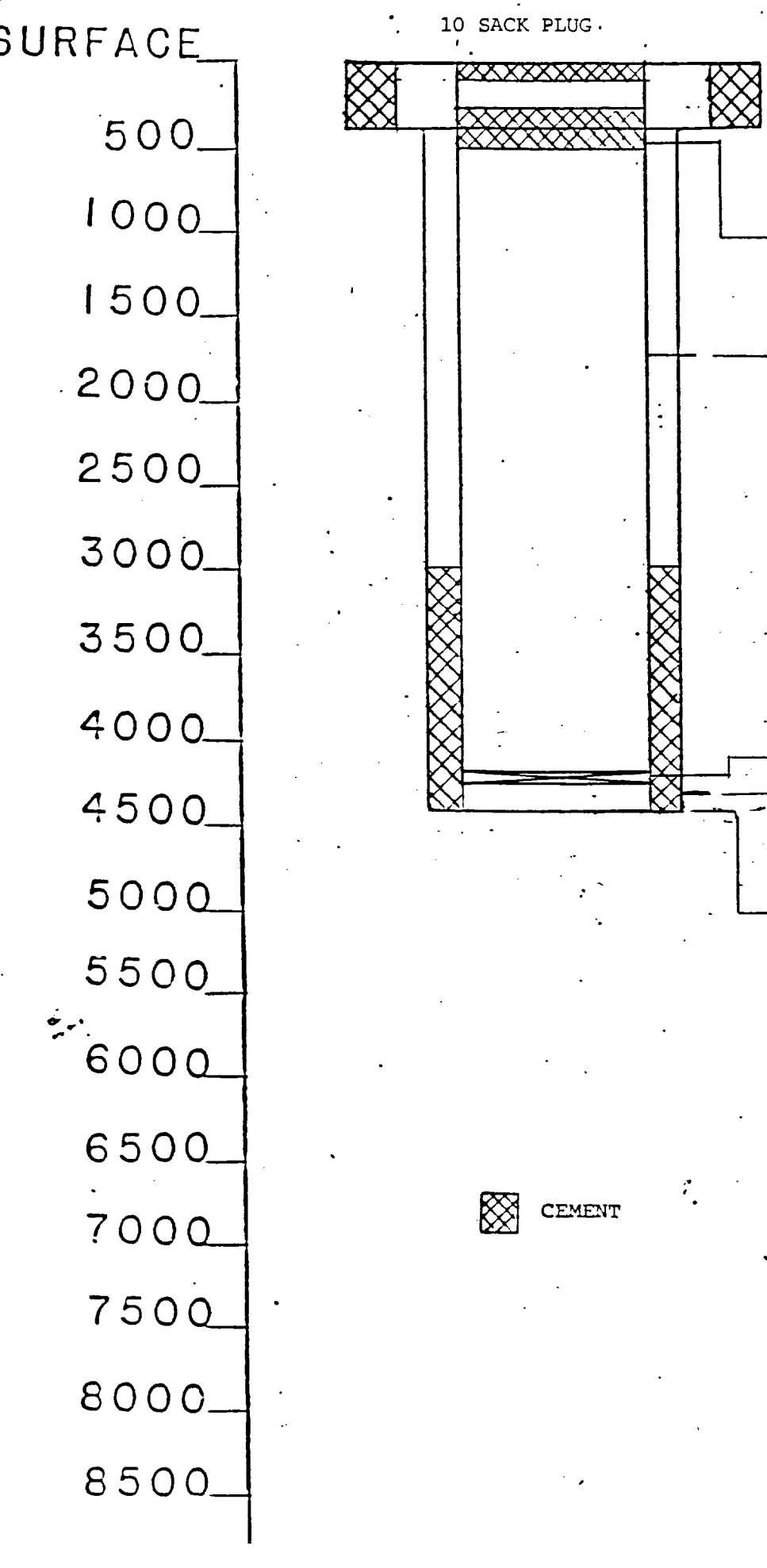
3. Is this a new well drilled for injection? /7 Yes /X No

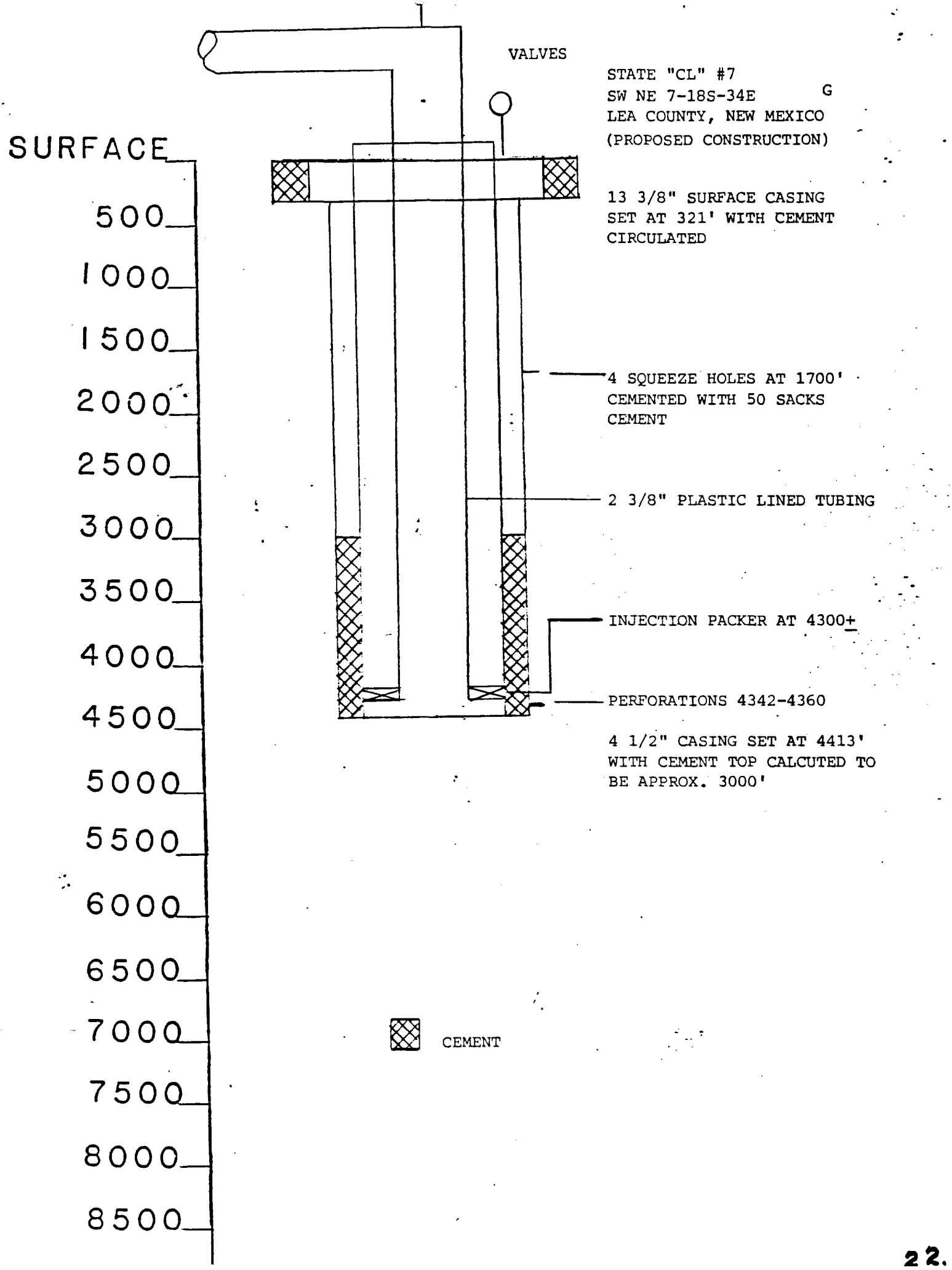
   If no, for what purpose was the well originally drilled? Oil producer from Queen formation

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 - 4 squeeze holes at 1700', squeezed w/50 sxs. cement to isolate anhydrite section

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Yates 3600', Grayburg 4600'

STATE "CL" #7
SW NE 7-18S-34E G
LEA COUNTY, NEW MEXICO
(PRESENT CONDITION)




VALVES
STATE "CL" #7
SW NE 7-18S-34E
LEA COUNTY, NEW MEXICO
(PROPOSED CONSTRUCTION)
G
SURFACE
500
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13 3/8" SURFACE CASING SET AT 321' WITH CEMENT CIRCULATED
4 SQUEEZE HOLES AT 1700' CEMENTED WITH 50 SACKS CEMENT
2 3/8" PLASTIC LINED TUBING
INJECTION PACKER AT 4300+
PERFORATIONS 4342-4360
4 1/2" CASING SET AT 4413' WITH CEMENT TOP CALCUTED TO BE APPROX. 3000'
CEMENT

INJECTION WELL DATA SHEET

OPERATOR	LEASE			
Seely Oil Company	Rhodes State			
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
1	660' FSL & 660' FWL	9	18S	34E M

Schematic

See Attached.

Tabular Data

Surface Casing

Size 8-5/8" 24# " Cemented with 275 sx.

TOC Surface feet determined by Circulated

Hole size 11" Set at 393'

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long string

Size 4-1/2" 10.5# " Cemented with 1000 sx.

TOC Surface feet determined by Circulated

Hole size 7-7/8"

Total depth 4482'

Injection interval

4387 feet to 4415 feet
(perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with plastic (material) set in a

Guiberson Uni-1 (brand and model) packer at 4300± feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Queen

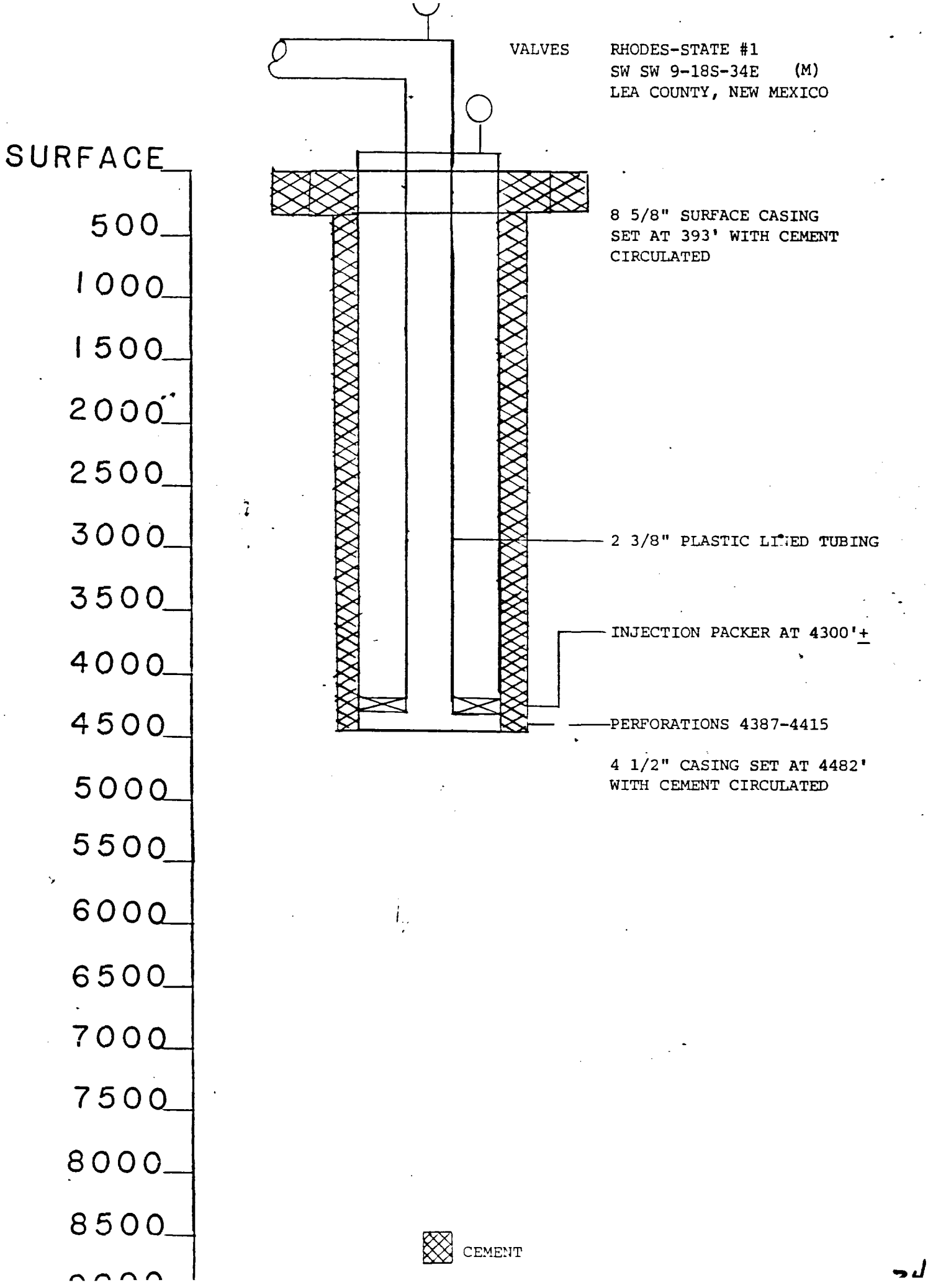
2. Name of Field or Pool (if applicable) E-K Yates-Seven Rivers-Queen

3. Is this a new well drilled for injection? [ ] Yes [X] No

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

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) None

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Yates 3600', Grayburg 4450'


VALVES
RHODES-STATE #1
SW SW 9-18S-34E (M)
LEA COUNTY, NEW MEXICO
SURFACE
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8 5/8" SURFACE CASING
SET AT 393' WITH CEMENT
CIRCULATED
2 3/8" PLASTIC LINED TUBING
INJECTION PACKER AT 4300'±
PERFORATIONS 4387-4415
4 1/2" CASING SET AT 4482'
WITH CEMENT CIRCULATED
CEMENT

INJECTION WELL DATA SHEET

Seely Oil Company	State HS		
OPERATOR	LEASE		
2	9	18S	34E
WELL NO. FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Schematic

See Attached

Tabular Data

Surface Casing

Size 13-3/8" 54.5# " Cemented with 550 sx.

TOC Surface feet determined by Circulation

Hole size 20" & 17-1/2"

Intermediate Casing

Size 8-5/8" 24 & 32# Cemented with 1650 sx.

TOC Surface feet determined by Circulation

Hole size 11"

Long string

Size 5-1/2" 15.5# & 17# " Cemented with 1500 sx.

TOC Surface feet determined by Circulation

Hole size 7-7/8"

Total depth 9000'

Injection interval

4380 feet to 4385 feet

(perforated or open-hole, indicate which)

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

Watson Nickel Plated (brand and model) packer at 4254.54 feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Queen

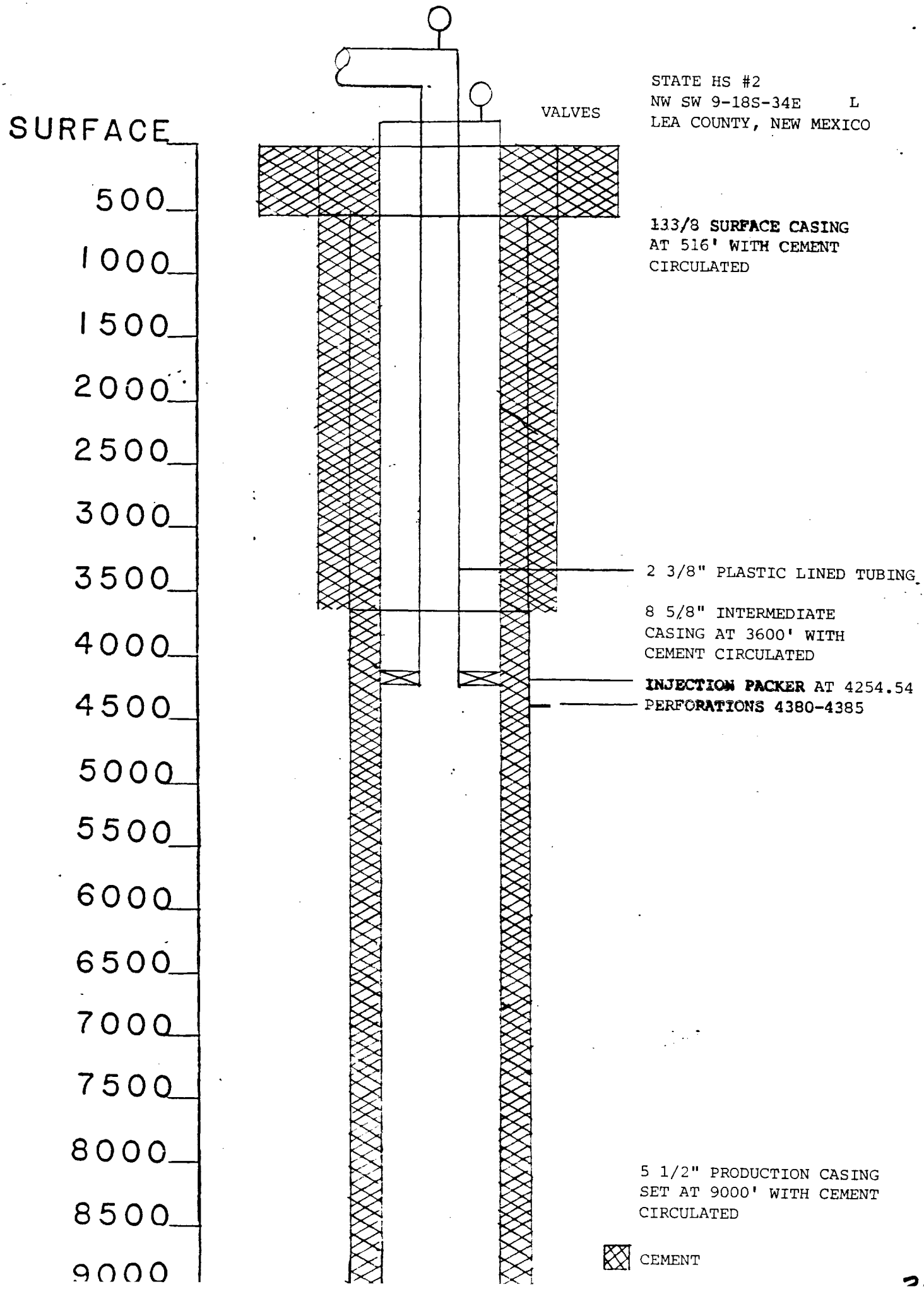
2. Name of Field or Pool (if applicable) E-K Yates-Seven Rivers-Queen

3. Is this a new well drilled for injection? / / Yes /X/ No

   If no, for what purpose was the well originally drilled? To test the Bone Springs formation for oil & gas production

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)

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Yates 3600, Grayburg 4450


SURFACE
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5500
6000
6500
7000
7500
8000
8500
9000
VALVES
STATE HS #2
NW SW 9-18S-34E L
LEA COUNTY, NEW MEXICO
13 3/8 SURFACE CASING
AT 516' WITH CEMENT
CIRCULATED
2 3/8" PLASTIC LINED TUBING
8 5/8" INTERMEDIATE
CASING AT 3600' WITH
CEMENT CIRCULATED
INJECTION PACKER AT 4254.54
PERFORATIONS 4380-4385
5 1/2" PRODUCTION CASING
SET AT 9000' WITH CEMENT
CIRCULATED
CEMENT

INJECTION WELL DATA SHEET

Seely Oil Company — Central EK Queen Unit

OPERATOR — LEASE

"Typical Water Injection Well"

WELL NO. — FOOTAGE LOCATION — SECTION — TOWNSHIP — RANGE

Schematic

Tabular Data

Surface Casing

Size 8-5/8 " Cemented with 1000 sx.

TOC Surface feet determined by Circulation

Hole size 11"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long string

Size 4-1/2" 10.5# " Cemented with 400 sx.

TOC 2800 (est.) feet determined by Calculation

Hole size 7-7/8"

Total depth 4500'

Injection interval

4350 feet to 4400 feet
(perforated or open-hole, indicate which)

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

Guiberson Uni-I (brand and model) packer at 4300' feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Queen

2. Name of Field or Pool (if applicable) EK Yates-Seven Rivers-Queen

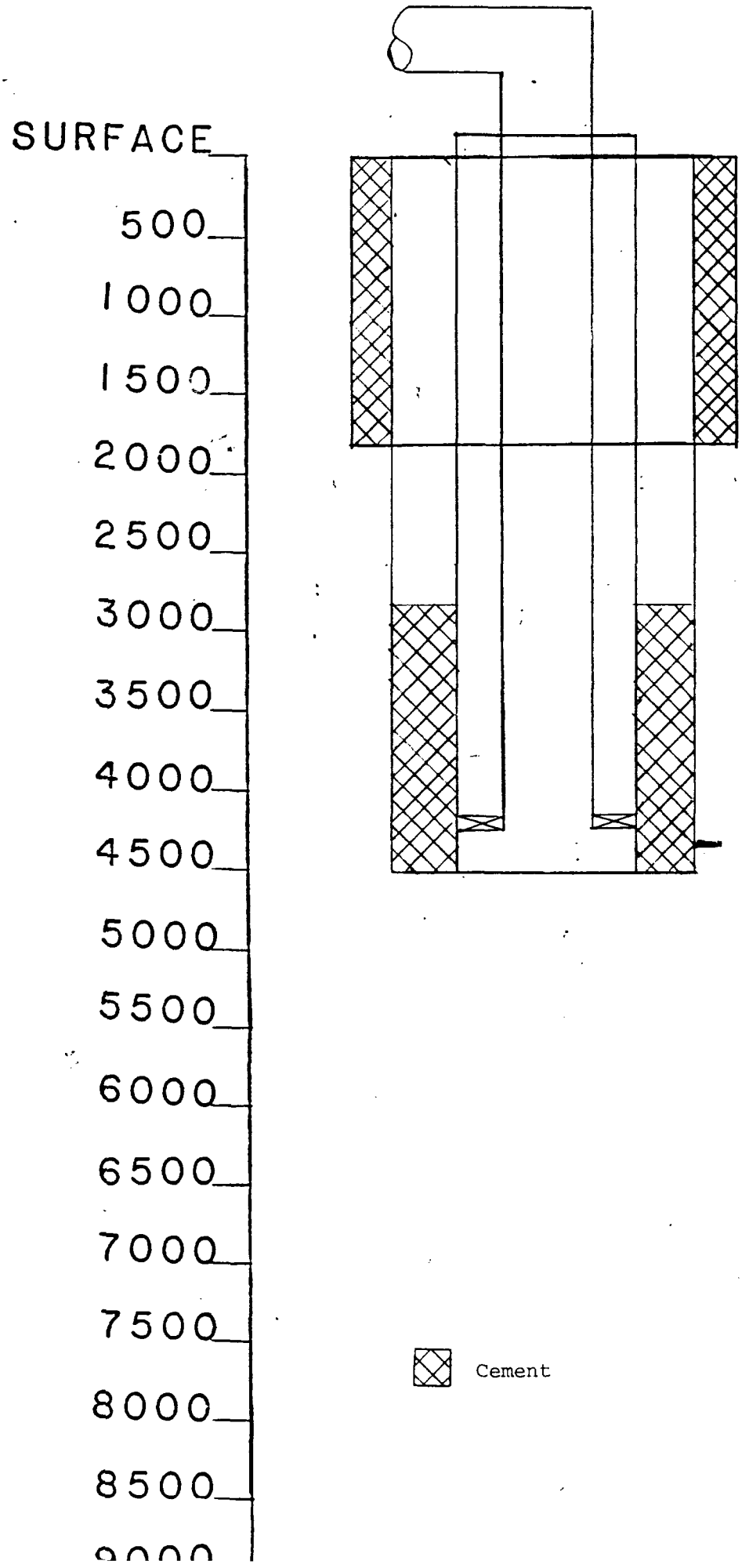
3. Is this a new well drilled for injection? [X] Yes [ ] No

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

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. Yates 3300, Grayburg 4500.

"Typical Water Injection Well"
E-K Yates-Seven Rivers-Queen Area
Lea County, New Mexico



8-5/8" surface casing set at approx. 1700' and cemented to surface

2-3/8" plastic lined tubing

Injection packer set at approx. 4300'

Perforations in Queen at approx. 4350-4400.

4-1/2 production casing set at approx. 4500' with top of cement at approx. 2800'

WELL DATA SHEET

OPERATOR: Oxy USA LEASE: State DW

WELL NO.: 5 FOOTAGE: 660' FSL & 660' FEL SECTION: 12-18S-34E

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 48#/ft. CEMENTED WITH: 500 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/2" SETTING DEPTH: 348'

INTERMEDIATE CASING

SIZE: 8-5/8" 24 & 32# CEMENTED WITH: 1300 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 11" SETTING DEPTH: 3300'

LONG STRING

SIZE: 5-1/2" 15.5# & 17# CEMENTED WITH: 1335 SX.
TOC: 3300' FEET DETERMINED BY: CBL
HOLE SIZE: 7-7/8" SETTING DEPTH: 9030'

TOTAL DEPTH: 9030'

PRODUCING INTERVAL

FORMATION: Yates POOL OR FIELD: EK Yates-Seven Rivers-Queen
SPUD DATE: 7/24/84 COMPLETION DATE: 12/27/84
PERFORATED: 3343 FEET TO 3478 FEET

STIMULATION: Acid - 2000 gals. 7-1/2% HCL, Frac - 26,000 gals. & 59,000# 12/20 sand

OTHER PERFORATED ZONES: Bone Springs 8689-8876, San Andres 5091-5096

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Producing from Yates formation

IF P&A, LIST PLUGGING DETAILS:

WELL DATA SHEET

OPERATOR: Oxy USA LEASE: State "DW"

WELL NO.: 3 FOOTAGE: 1980' FNL & 660' FEL SECTION: 12-18S-33E H

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 48# CEMENTED WITH: 500 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/2" SETTING DEPTH: 350

INTERMEDIATE CASING

SIZE: 8-5/8" 24 & 32# CEMENTED WITH: 1300 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 11" SETTING DEPTH: 3304'

LONG STRING

SIZE: 5-1/2" 15.5 & 17# CEMENTED WITH: 1900 SX.
TOC: 3700 FEET DETERMINED BY: CBL
HOLE SIZE: 7-7/8" SETTING DEPTH: 8949'

TOTAL DEPTH: 8950'

PRODUCING INTERVAL

FORMATION: Yates POOL OR FIELD: E-K Yates-Seven Rivers-Queen
SPUD DATE: 6/1/84 COMPLETION DATE: 10/16/84
PERFORATED: 3342 FEET TO 3379 FEET

STIMULATION: 2000 gallons 7-1/2% acid plus 15,000 gallons 2% KCL water plus 15,000 gallons CO_2 (71 tons) plus 18,000# 20/40 sand plus 48,000# 12/20 sand

OTHER PERFORATED ZONES: Unknown

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Pumping oil well

IF P&A, LIST PLUGGING DETAILS:

WELL DATA SHEET

OPERATOR: Oxy USA LEASE: State "DW"

WELL NO.: 6 FOOTAGE: 1980' FSL & 330' FEL SECTION: 12-18S-33E I

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 48# CEMENTED WITH: 500 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/2" SETTING DEPTH: 349'

INTERMEDIATE CASING

SIZE: 8-5/8" 24 & 32# CEMENTED WITH: 1300 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 11" SETTING DEPTH: 3300'

LONG STRING

SIZE: 5-1/2" 15.5 & 17# CEMENTED WITH: 1265 SX.
TOC: 3310 FEET DETERMINED BY: CBL
HOLE SIZE: 7-7/8" SETTING DEPTH: 8914'

TOTAL DEPTH: 8914'

PRODUCING INTERVAL

FORMATION: Bone Springs POOL OR FIELD: Mescalero Escarpe (Bone Springs)
SPUD DATE: 8/17/84 COMPLETION DATE: 9/18/84
PERFORATED: 8606 FEET TO 8789' FEET

STIMULATION: 8500 gallons 15% NEFE acid

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Pumping oil well

IF P&A, LIST PLUGGING DETAILS:

WELL DATA SHEET

OPERATOR: Plateau Oil Company LEASE: State

WELL NO.: 1 FOOTAGE: 660' FEL & 1980' FSL SECTION: 12-18S-33E I

TUBULAR DATA

SURFACE CASING

SIZE: 8-5/8" CEMENTED WITH: 250 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 11" SETTING DEPTH: 300'

INTERMEDIATE CASING

SIZE: 7" 23# CEMENTED WITH: 500 SX.
TOC: 1800 (estimated) FEET DETERMINED BY: Caculation
HOLE SIZE: 8-1/4" SETTING DEPTH: 4364'

LONG STRING

SIZE: 5-1/2" 15.5# (liner) CEMENTED WITH: 300 SX.
TOC: 3760' FEET DETERMINED BY: Unknown
HOLE SIZE: 7-7/8" SETTING DEPTH: 3760-5465'

TOTAL DEPTH: 5513'

PRODUCING INTERVAL

FORMATION: San Andres POOL OR FIELD: E-K San Andres
SPUD DATE: 5/25/55 COMPLETION DATE: 10/10/55
PERFORATED: 5062 FEET TO 5390 FEET

STIMULATION: 10,000 gallons crude and 15,000# sand

OTHER PERFORATED ZONES: Queen 4345-4364', Yates 3695-3762'

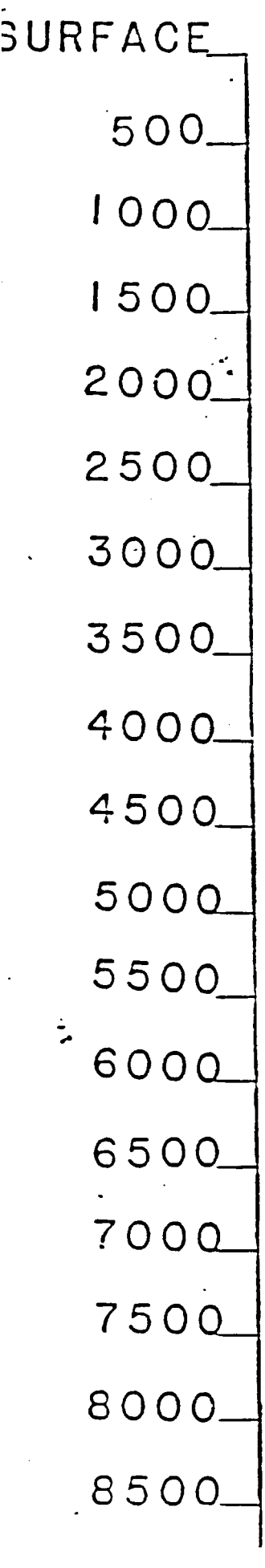
CURRENT STATUS

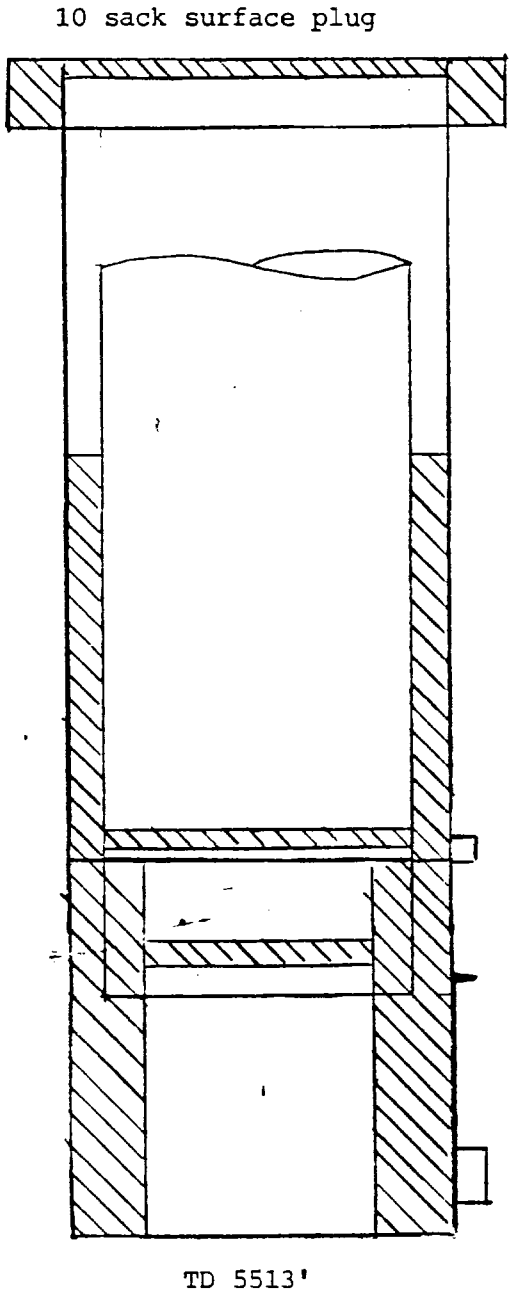
WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: Squeezed perfs. 4345-64' and 3695-3762', 20 sxs. at 4200', 10 sxs. at 3700', cut and pulled casing from 950', 10 sxs. surface plug.

State #2
NW/4 SE/4 Sec. 12-18S-33E
Lea County, New Mexico

I





8-5/8" surface casing set at 300' with cement circulated

Top of cement calculated to be approx. 1800'

7" casing set at 4364'

Perforations 3695-3762 squeezed

10 sx. plug at 3700'
20 sx. plug at 4200'

Perforations 4345-4364' squeezed

Perforations 5062-5390'

5-1/2" liner set at 3760-5465' with top of cement at 3760'

Cement

WELL DATA SHEET

OPERATOR: Oxy USA LEASE: State "DW"

WELL NO.: 1 FOOTAGE: 1980' FSL & 1650' FEL SECTION: 12-18S-34E J

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 48 & 61# CEMENTED WITH: 600 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/2" SETTING DEPTH: 500

INTERMEDIATE CASING

SIZE: 8-5/8" 24 & 32# CEMENTED WITH: 4105 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 11" SETTING DEPTH: 5283'

LONG STRING

SIZE: 5-1/2" 17# CEMENTED WITH: 950 SX.
TOC: 6490 FEET DETERMINED BY: CBL
HOLE SIZE: 7-7/8" SETTING DEPTH: 10,866

TOTAL DEPTH: 11,094'

PRODUCING INTERVAL

FORMATION: Bone Springs POOL OR FIELD: Mescalero Escarpe (Bone Springs)
SPUD DATE: 1/31/84 COMPLETION DATE: 4/17/84
PERFORATED: 8803 FEET TO 8883 FEET

STIMULATION: 2500 gallons 15% HCL acid

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Pumping oil well

IF P&A, LIST PLUGGING DETAILS:

WELL DATA SHEET

OPERATOR: Oxy USA LEASE: State DW

WELL NO.: 10 FOOTAGE: 990' FSL & 2130' FWL SECTION: 12-18S-33E N

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 48# CEMENTED WITH: 500 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/2" SETTING DEPTH: 350'

INTERMEDIATE CASING

SIZE: 8-5/8" 24 & 32# CEMENTED WITH: 1300 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 11" SETTING DEPTH: 3150'

LONG STRING

SIZE: 5-1/2" 15.5 & 17# CEMENTED WITH: 1245 SX.
TOC: 3450 FEET DETERMINED BY: CBL
HOLE SIZE: 7-7/8" SETTING DEPTH: 9097'

TOTAL DEPTH: 9097'

PRODUCING INTERVAL

FORMATION: Bone Springs POOL OR FIELD: Mescalero Escarpe (Bone Springs)
SPUD DATE: 11/12/84 COMPLETION DATE: 12/16/84
PERFORATED: 8708 FEET TO 8761 FEET

STIMULATION: 4000 gallons 15% NEFE HCL acid

OTHER PERFORATED ZONES: None known

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Pumping oil well

IF P&A, LIST PLUGGING DETAILS:

WELL DATA SHEET

OPERATOR: Oxy USA LEASE: State "DW"

WELL NO.: 8 FOOTAGE: 710' FSL & 1830' FEL SECTION: 12-18S-33E O

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 48# CEMENTED WITH: 500 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/2" SETTING DEPTH: 350'

INTERMEDIATE CASING

SIZE: 8-5/8" 24 & 32# CEMENTED WITH: 1300 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 11" SETTING DEPTH: 3140'

LONG STRING

SIZE: 5-1.2" 15.5 & 17# CEMENTED WITH: 2550 SX.
TOC: 3100 FEET DETERMINED BY: CBL
HOLE SIZE: 7-7/8" SETTING DEPTH: 9072'

TOTAL DEPTH: 9080'

PRODUCING INTERVAL

FORMATION: Bone Springs POOL OR FIELD: Mescalero Escarpe (Bone Springs)
SPUD DATE: 9/11/84 COMPLETION DATE: 10/20/84
PERFORATED: 8805 FEET TO 8866 FEET

STIMULATION: 4000 gallons 15% NEFE acid

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Pumping oil well

IF P&A, LIST PLUGGING DETAILS:

WELL DATA SHEET

OPERATOR: Oryx LEASE: Mescalero Ridge Federal

WELL NO.: 3 FOOTAGE: 430' FNL & 900' FEL SECTION: 13-18S-33E A

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 48# CEMENTED WITH: 375 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/2" SETTING DEPTH: 356

INTERMEDIATE CASING

SIZE: 8-5/8" 24 & 32# CEMENTED WITH: 1000 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 12-1/4" SETTING DEPTH: 3311

LONG STRING

SIZE: 5-1/2" 15.5 & 17# CEMENTED WITH: 1400 SX.
TOC: 3300 (estimated) FEET DETERMINED BY: Calculation
HOLE SIZE: 7-7/8" SETTING DEPTH: 9200'

TOTAL DEPTH: 9200'

PRODUCING INTERVAL

FORMATION: Bone Springs POOL OR FIELD: Mescalero Escarpe Bone Springs
SPUD DATE: 12/1/85 COMPLETION DATE: 1/21/86
PERFORATED: 8744 FEET TO 8766 FEET

STIMULATION: Acidized with 2500 gallons 20% NEFE HCL

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Pumping oil well

IF P&A, LIST PLUGGING DETAILS:

WELL DATA SHEET

OPERATOR: Oryx LEASE: Mescalero Ridge Federal

WELL NO.: 1 FOOTAGE: 330' FNL & 2030' FEL SECTION: 13-18S-33E B

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 48# CEMENTED WITH: 375 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/2" SETTING DEPTH: 360

INTERMEDIATE CASING

SIZE: 8-5/8" 24 & 32# CEMENTED WITH: 1300 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 11" SETTING DEPTH: 3300

LONG STRING

SIZE: 5-1/2" 15.5 & 17# CEMENTED WITH: 1600 SX.
TOC: 2000' (estimated) FEET DETERMINED BY: Calculation
HOLE SIZE: 7-7/8" SETTING DEPTH: 9300'

TOTAL DEPTH: 9300'

PRODUCING INTERVAL

FORMATION: Bone Springs POOL OR FIELD: Mescalero Escarpe (Bone Springs)
SPUD DATE: 6/1/85 COMPLETION DATE: 7/2/85
PERFORATED: 8714 FEET TO 8773 FEET

STIMULATION: 4000 gallons 20% NEFE HCL

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Pumping oil well

IF P&A, LIST PLUGGING DETAILS:

WELL DATA SHEET

OPERATOR: Oryx LEASE: Mescalero Ridge Federal

WELL NO.: 2 FOOTAGE: 1700' FNL & 1700' FEL SECTION: 13-18S-33E G

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 48# CEMENTED WITH: 375 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/2" SETTING DEPTH: 363'

INTERMEDIATE CASING

SIZE: 8-5/8" 24 & 32# CEMENTED WITH: 900 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 11" SETTING DEPTH: 3241'

LONG STRING

SIZE: 5-1/2" 15.5 & 17# CEMENTED WITH: 1450 SX.
TOC: 2000 (estimated) FEET DETERMINED BY: Calculation
HOLE SIZE: 7-7/8" SETTING DEPTH: 9300'

TOTAL DEPTH: 9300'

PRODUCING INTERVAL

FORMATION: Bone Springs POOL OR FIELD: Mescalero Escarpe Bone Springs
SPUD DATE: 10/27/85 COMPLETION DATE: 12/9/85
PERFORATED: 8749 FEET TO 8780 FEET

STIMULATION: 4000 gallons 20% NEFE HCL

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Pumping oil well

IF P&A, LIST PLUGGING DETAILS:

WELL DATA SHEET

OPERATOR: Murphy Baxter LEASE: North E.K. Queen Unit Tract 4

WELL NO.: 4 FOOTAGE: 660' FSL & 2310' FEL SECTION: 6-18S-34E O

TUBULAR DATA

SURFACE CASING

SIZE: 8-5/8" 22.7# CEMENTED WITH: 450 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 12-1/4" SETTING DEPTH: 325'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 4-1/2" 9.5# CEMENTED WITH: 380 SX.
TOC: 3200 (estimated) FEET DETERMINED BY: Calculation
HOLE SIZE: 7-7/8" SETTING DEPTH: 4297'

TOTAL DEPTH: 4297'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates-Seven Rivers-Queen
SPUD DATE: 7/7/62 COMPLETION DATE: 7/25/62
PERFORATED: 4220 FEET TO 4240 FEET

STIMULATION: 500 gallons acid, 20,000 gallons oil & 40,000# sand

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: CIBP at 4200' with 5 sxs. cement on plug. Perforate 4 holes at 1700' and squeezed with 50 sxs., tag plug at 1300', 25 sxs. at 340', 10 sxs. at surface.

40.

North EK Queen Unit Tract 4 #4
SW/4 SE/4 Sec. 6-18S-34E 0
Lea County, New Mexico

SURFACE

500

1000

1500

2000

2500

3000

3500

4000

4500

5000

5500

6000

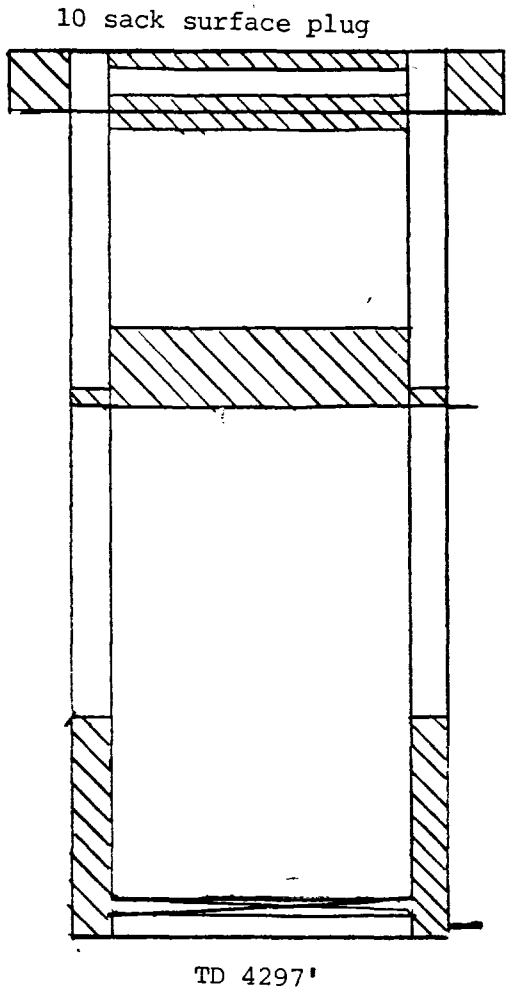
6500

7000

7500

8000

8500



Cement

8-5/8" surface casing set at 325' with cement circulated.

25 sxs. at 340'

4 squeeze holes at 1700' cemented with 50 sxs. Tagged plug inside casing at 1300'.

CIBP at 4200' with 5 sxs. on plug

Perforations 4220-4240'

4-1/2" production casing set at 4297' with top of cement calculated to be 3200'

WELL DATA SHEET

OPERATOR: Marlo Drilling Co. LEASE: Mobil State

WELL NO.: 1 FOOTAGE: 330' FSL & 990' FEL SECTION: 6-18S-34E

TUBULAR DATA

SURFACE CASING

SIZE: 8-5/8" 24# CEMENTED WITH: 275 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 12-1/4" SETTING DEPTH: 325

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 4-1/2" 10.5# CEMENTED WITH: 150 SX.
TOC: 3700 (est.) FEET DETERMINED BY: Calculation
HOLE SIZE: 7-7/8" SETTING DEPTH: 4337'

TOTAL DEPTH: 4337'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: EK Yates-Seven Rivers-Queen
SPUD DATE: 3/1/63 COMPLETION DATE: 3/14/63
PERFORATED: 4257 FEET TO 4265 FEET

STIMULATION: 500 gals. 15% NE acid, 43,000 gals. refined oil & 70,000# sand

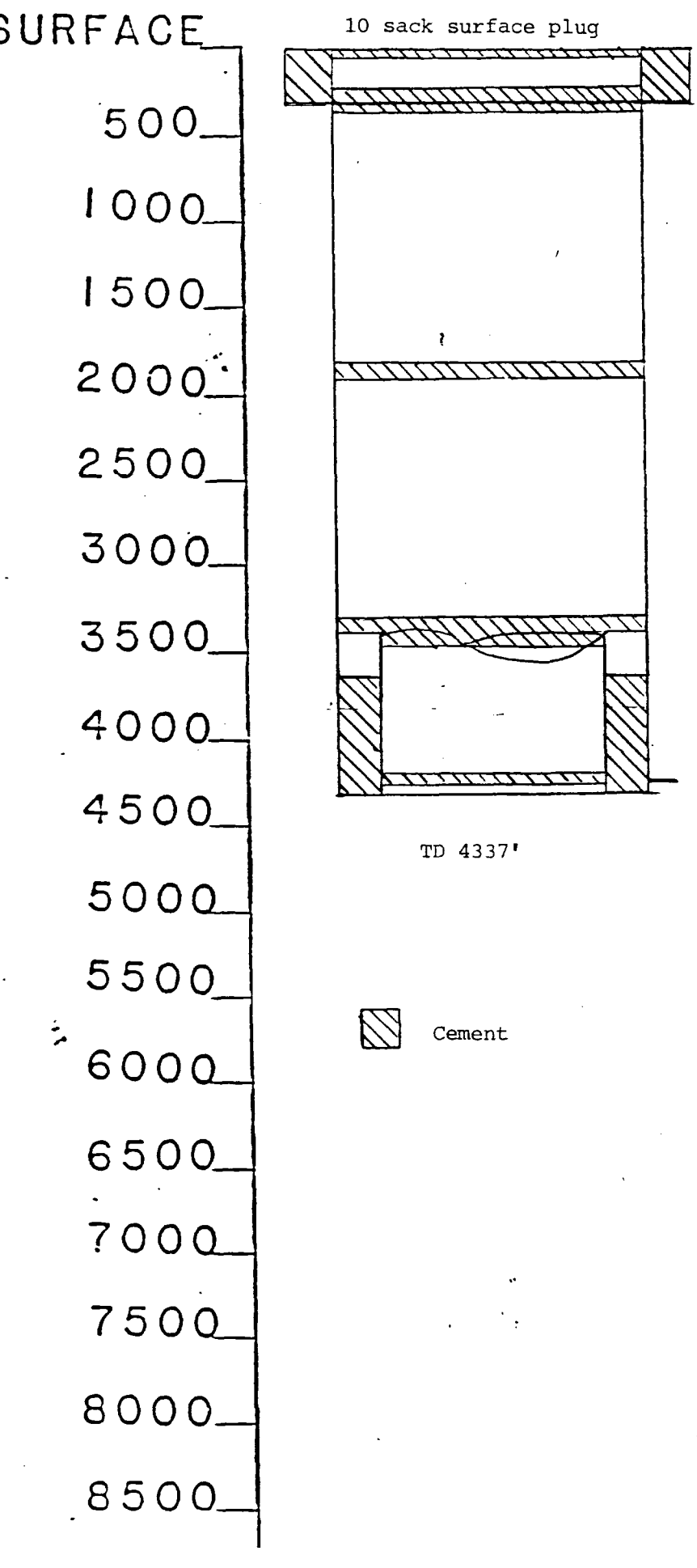
OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: 25 sxs across perforations, cut & pull csg. from 3400', 25 sxs across csg. stub, 25 sxs @ 1845, 25 sxs across csg. shoe, 10 sxs surface.

Mobil State #1
SE/4 SE/4 Sec. 6-18S-34E
Lea County, New Mexico



8-5/8" surface casing set at 325' with cement circulated

25 sxs across 8-5/8" casing shoe

25 sxs at 1845'

25 sxs across casing stub at 3400'

Top of cement in annulus estimated to be 3700'

25 sxs. across perforations 4257-4265'

4-1/2" producing casing set at 4337'

WELL DATA SHEET

OPERATOR: Murphy Baxter LEASE: N.E. K Queen Unit Tract 4

WELL NO.: 6 FOOTAGE: 330' FNL & 660' FEL SECTION: 7-18S-34E A

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 35.6# CEMENTED WITH: 375 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/2" SETTING DEPTH: 322'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 4-1/2" 9.5# CEMENTED WITH: 320 SX.
TOC: 3100 FEET DETERMINED BY: Calculated
HOLE SIZE: 8" SETTING DEPTH: 4343'

TOTAL DEPTH: 4344'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates Seven Rivers Queen
SPUD DATE: 9/30/62 COMPLETION DATE: 11/8/62
PERFORATED: 4291 FEET TO 4299 FEET

STIMULATION: 500 gallons acid and 20,000 gallons oil and 40,000# sand

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: 25 sxs. at 4000-4250'. Perfs. 4 holes at 1700', squeeze with 100 sxs. tag at 1580', 25 sxs. at 370', 10 sxs. surface plug.

N.E. K Queen Unit Tract 4 #6
NE/4 NE/4 Sec. 7-18S-34E A
Lea County, New Mexico

SURFACE
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1500
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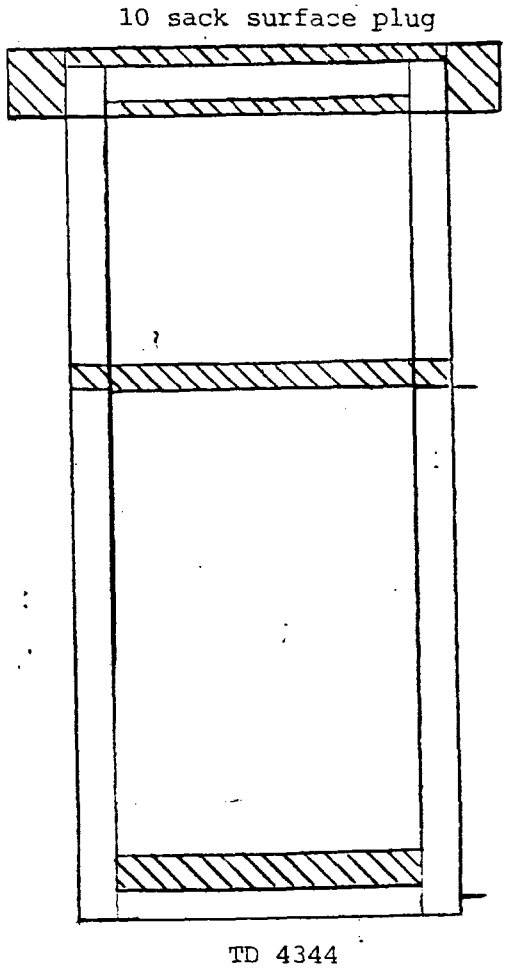
3000
3500
4000
4500
5000
5500
6000
6500
7000
7500
8000
8500



13-3/8" surface casing set at 322' with cement circulated

25 sxs. plug at 370'

4 squeese holes at 1700'
Squeezed with 100 sxs. with top of cement at 1580'

25 sxs. plug from 4000-4250'

Perforations 4291-4299'

4-1/2" production casing set at 4343 and cemented with 320 sxs.

Cement

WELL DATA SHEET

OPERATOR: Murphy Baxter LEASE: N. EK Queen Unit Tract 4

WELL NO.: 5 FOOTAGE: 330' FNL & 1980' FEL SECTION: 7-18S-34E B

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 35.6# CEMENTED WITH: 375 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/2" SETTING DEPTH: 329'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 4-1/2" 9.5# CEMENTED WITH: 375 SX.
TOC: 3600 (estimated) FEET DETERMINED BY: Calculation
HOLE SIZE: 11" SETTING DEPTH: 4327'

TOTAL DEPTH: 4327'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates Seven Rivers Queen
SPUD DATED: 8/16/62 COMPLETION DATE: 9/11/62
PERFORATED: 4273 FEET TO 4294 FEET

STIMULATION: 20,000 gallons oil & 40,000# sand

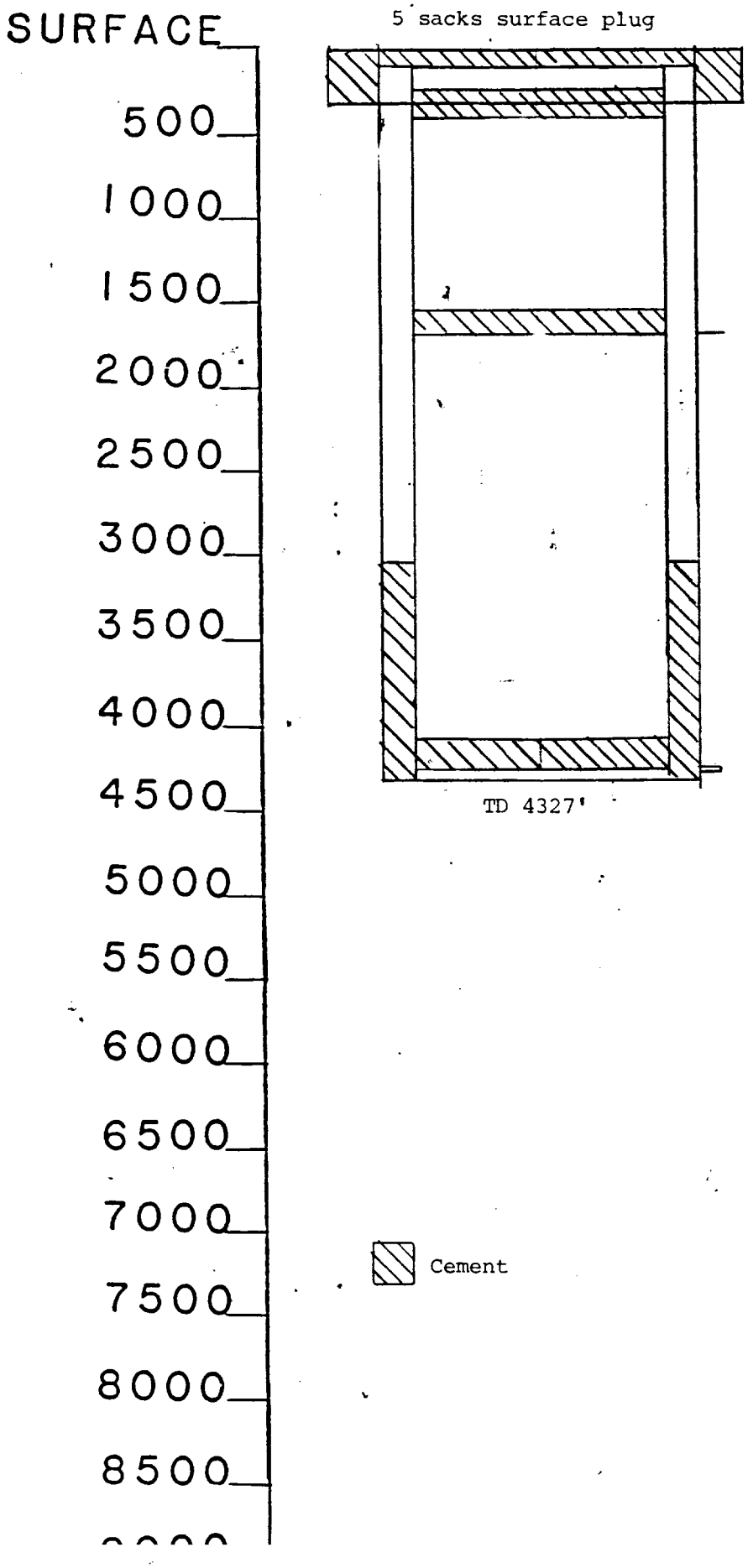
OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: Cement plug from 4294-4100'. Perforate 4 holes at 1700' & squeeze with 50 sxs. tagged plug at 1550', 50 sxs. at 370-25', 5 sxs. surface plug.

N. EK Queen Unit Tract 4 #5
NW/4 NE/4 sec. 8-18S-34E B
Lea County, New Mexico



13-3/8" surface casing set at 329' with cement circulated

50 sxs. plug 25-370'

4 squeeze holes at 1700' cemented with 50 sxs. Top of cement at 1550'.

Cement plug from 4100-4294'
Perforations 4273-4294'

4-1/2" production casing set at 4327' with calculated cement top at approx. 3600'.

WELL DATA SHEET

OPERATOR: Murphy Baxter LEASE: N. EK Queen Unit Tract 7

WELL NO.: 1 FOOTAGE: 2173' FWL & 330' FNL SECTION: 7-18S-34E C

TUBULAR DATA

SURFACE CASING

SIZE: 7-5/8" 26.4# CEMENTED WITH: 150 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 10-3/4" SETTING DEPTH: 336'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 4-1/2" 11.6# CEMENTED WITH: 200 SX.
TOC: 2700 (estimated) FEET DETERMINED BY: Calculation
HOLE SIZE: 6-3/4" SETTING DEPTH: 4355'

TOTAL DEPTH: 4355'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: EK Yates Seven Rivers Queen
SPUD DATED: 4/19/63 COMPLETION DATE: 5/5/63
PERFORATED: 4280 FEET TO 4288 FEET

STIMULATION: 500 gallons acid, 20,000 gallons & 30,000# sand

OTHER PERFORATED ZONES: None

CURRENT STATUS

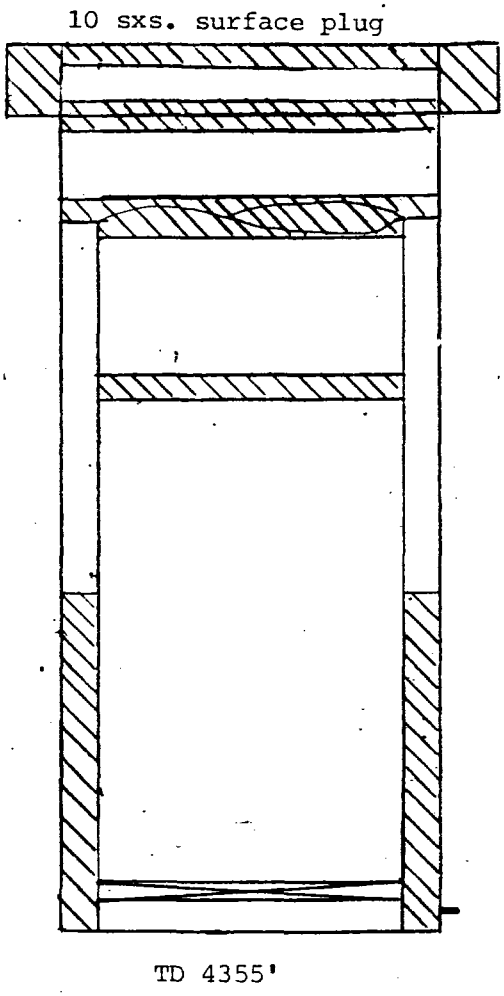
WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: CIBP at 4250' with 35' cement on top, 25 sxs. at 1700', cut & pull casing at 840', 25 sxs. 785-890', 50 sxs. 298-372', 10 sxs. surface plug.

48.

N. EK Queen Unit Tract 7 #1
NE/4 NW/4 Sec. 7-18S-34E C
Lea County, New Mexico

SURFACE
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
6500
7000
7500
8000
8500



7-5/8" surface casing set at 336' with cement circulated 50 sxs. 298-372'

Cut and pull casing from 840' 25 sxs. 785-890'

25 sxs. 1600-1700'

35' of cement on CIBP at 4250'

Perforations 4280-4288'

4-1/2" production casing set at 4355' with top of cement calculated to be approx. 2700'

WELL DATA SHEET

OPERATOR: DOB Oil Properties LEASE: State M

WELL NO.: 3 FOOTAGE: 853' FWL & 330' FNL SECTION: 7-18S-34E D

TUBULAR DATA

SURFACE CASING

SIZE: 8-5/8" 36# CEMENTED WITH: 215 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 10" SETTING DEPTH: 379'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

TOTAL DEPTH: 4300'

PRODUCING INTERVAL

FORMATION: None POOL OR FIELD:
SPUD DATED: COMPLETION DATE:
PERFORATED: FEET TO FEET

STIMULATION: None

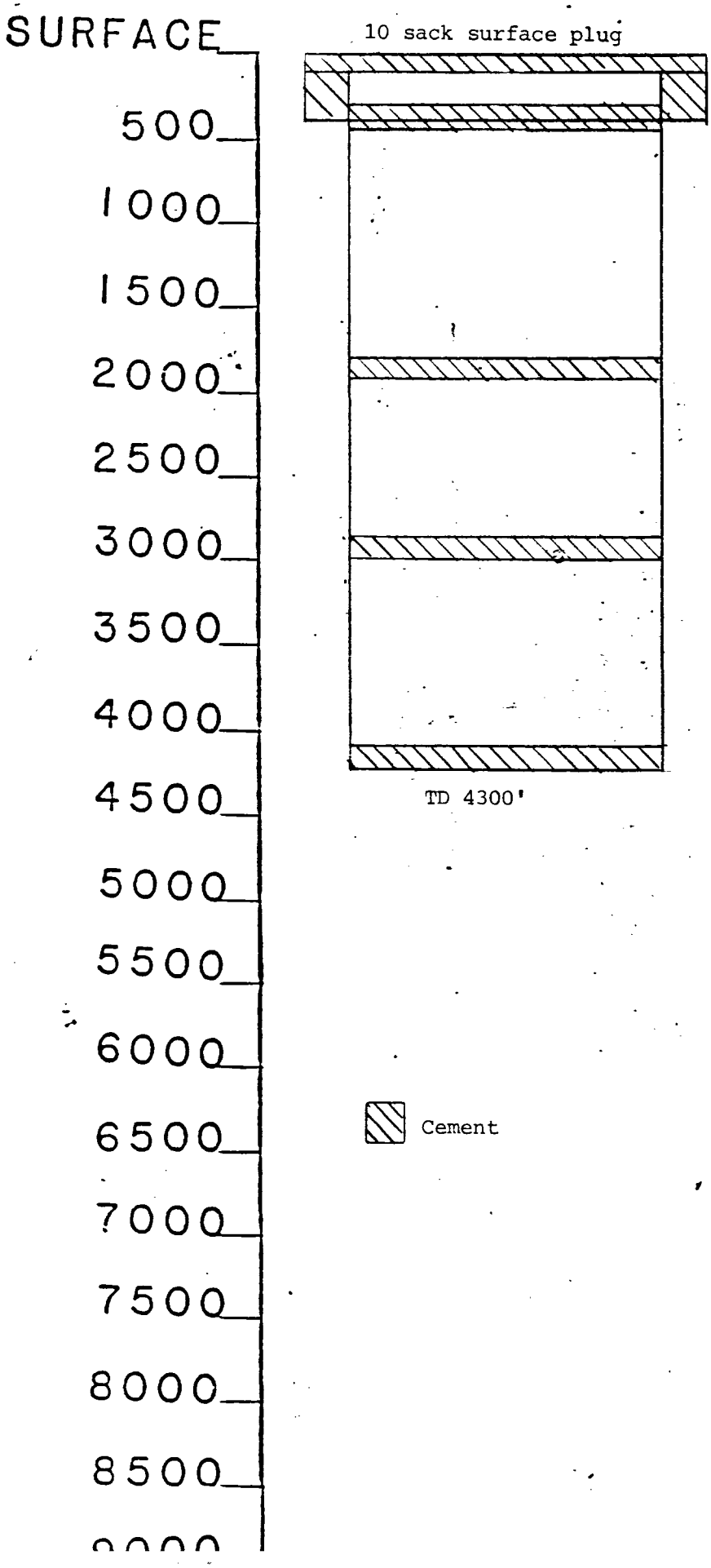
OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Junked & abandoned

IF P&A, LIST PLUGGING DETAILS: 25 sxs. 4255-4155', 25 sxs. 3000-2900', 25 sxs. 1900-1800', 25 sxs. 400-325', 10 sxs. surface plug.

State "M" #3
NW/4 NW/4 Sec. 7-18S-34E D
Lea County, New Mexico



8-5/8" surface casing set at 379' with cement circulated

25 sxs. plug 325-400'

25 sxs. plug 1800-1900'

25 sxs. plug 2900-3000'

25 sxs. plug 4155-4255'

WELL DATA SHEET

OPERATOR: Pan American LEASE: State "CL"

WELL NO.: 8 FOOTAGE: 1650' FNL & 990' FEL SECTION: 7-18S-34E H

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 35.6# CEMENTED WITH: 320 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/2" SETTING DEPTH: 334'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 4-1/2" 9.5# CEMENTED WITH: 120 SX.
TOC: 3700 (estimated) FEET DETERMINED BY: Calculation
HOLE SIZE: 8" SETTING DEPTH: 4394'

TOTAL DEPTH: 4400'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates-Seven Rivers-Queen
SPUD DATE: 3/4/63 COMPLETION DATE: 4/2/63
PERFORATED: 4332 FEET TO 4354 FEET

STIMULATION: 500 gallons acid, 20,000 gallons oil and 40,000# sand

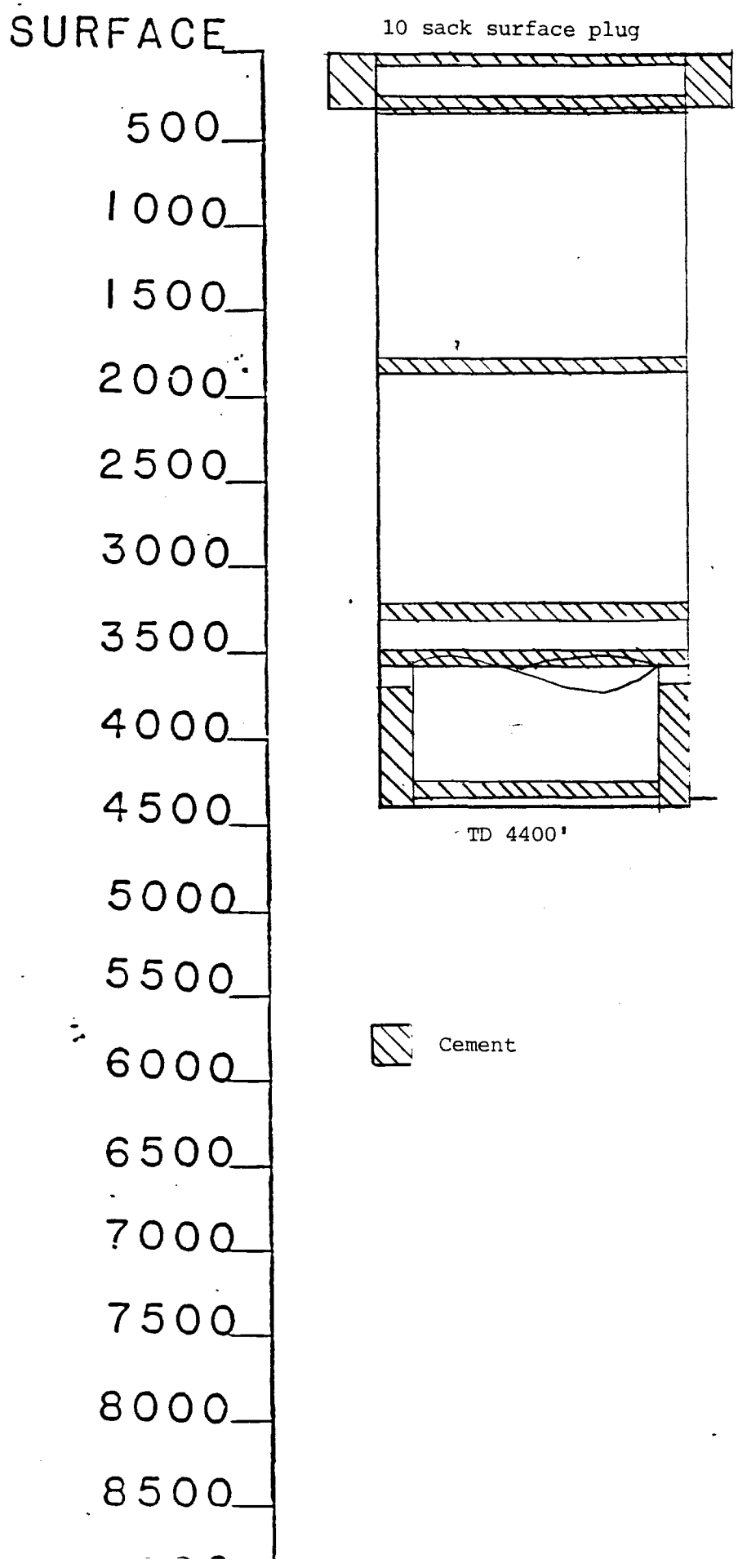
OTHER PERFORATED ZONES:

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: Cut and pulled casing from 3549', 25 sxs. at 4364', 25 sxs. at 3549', 25 sxs. at 3320', 25 sxs. at 1850', 25 sxs. at 334', 10 sxs. surfa-e plug.

State "CL" #8
SE/4 NE/4 Sec. 7-18S-34E H
Lea County, New Mexico



8-5/8" surface casing set at 334' with cement circulated

25 sxs. at 334'

25 sxs. at 1850'

25 sxs. at 3320'

25 sxs. at 3549'
Cut and pull casing from 3549'

25 sxs. at 4364'
perforations 4332-4354'

4-1/2" production casing set at 4394' with top of cement estimated to be 3700'

WELL DATA SHEET

OPERATOR: Sunray Mid-Continent Oil Co. LEASE: New Mexico State G

WELL NO.: 4 FOOTAGE: 330' FEL & 1650' FSL SECTION: 7-18S-34E I

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 36# CEMENTED WITH: 250 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/2" SETTING DEPTH: 251'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 5-1/2" 14# CEMENTED WITH: 150 SX.
TOC: 3683 FEET DETERMINED BY: Temp. Survey
HOLE SIZE: 8" SETTING DEPTH: 4352'

TOTAL DEPTH: 4380'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates Seven Rivers Queen
SPUD DATED: 5/3/56 COMPLETION DATE: 6/5/56
~~PERFORATED:~~ Open Hole 4352 FEET TO 4380 FEET

STIMULATION: None

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: Cement plug 4380-4173', cut & pull casing from 1010', 50 sxs. 1010-927', 25 sxs. 260-239', 10 sxs. surface plug

54.

New Mexico State G #4
NE/4 SE/4 Sec. 7-18S-34E I
Lea County, New Mexico

SURFACE
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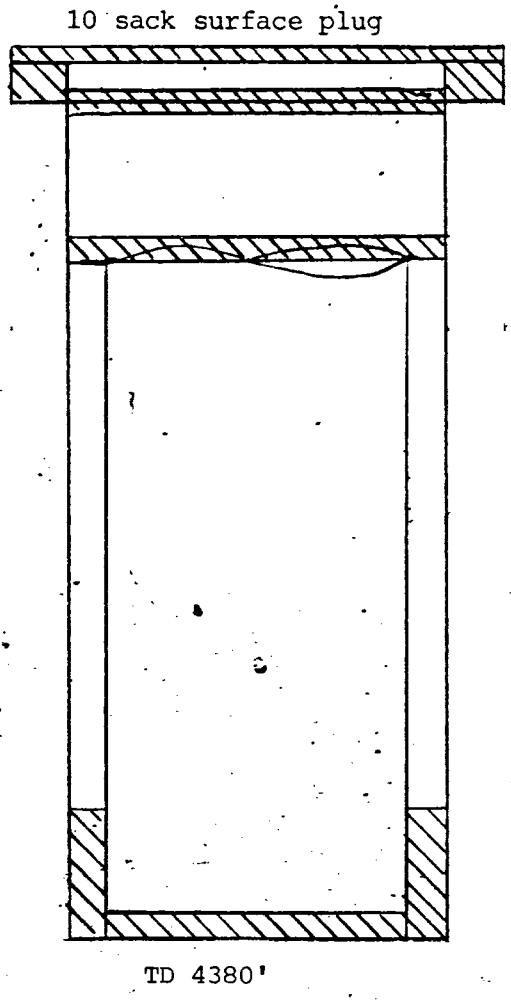
9000



13-3/8" surface casing set at 251' with cement circulated 25 sxs. 239-260'.

Casing cut & pulled from 1010' 50 sxs. 927-1010'

Cement plug 4173-4380'

Open Hole 4352-4380'

5-1/2" production casing set at 4352' with top of cement at 3683'

Cement

WELL DATA SHEET

OPERATOR: Sunray Mid-Continent Oil Co. LEASE: New Mexico State "G"

WELL NO.: 3 FOOTAGE: 1980' FSL & 1858.6'FWL SECTION: 7-18S-34E K

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 36# CEMENTED WITH: 250 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/2" SETTING DEPTH: 249'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 5-1/2" 14# CEMENTED WITH: 300 SX.
TOC: 3052 FEET DETERMINED BY: Temp. Survey
HOLE SIZE: 8" SETTING DEPTH: 4689'

TOTAL DEPTH: 5443'

PRODUCING INTERVAL

FORMATION: None POOL OR FIELD:
SPUD DATED: COMPLETION DATE:
PERFORATED: FEET TO FEET

STIMULATION:

OTHER PERFORATED ZONES: 4597-4622', 4 squeeze holes at 3450', cemented with 126 sxs., 3324-3338', 4354-80'

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL?

IF P&A, LIST PLUGGING DETAILS: CIBP at 4410' with 10' cement on top of plug, 4 squeeze holes at 3450' cemented w/126 sxs. with cement left inside casing at 3399', casing cut and pulled from 1472', 50 sxs. 1472-1404', 25 sxs. 250-218', 10 sxs. surface plug.

State of New Mexico G #3
NE/4 SW/4 Sec. 7-18S-34E K
Lea County, New Mexico

SURFACE
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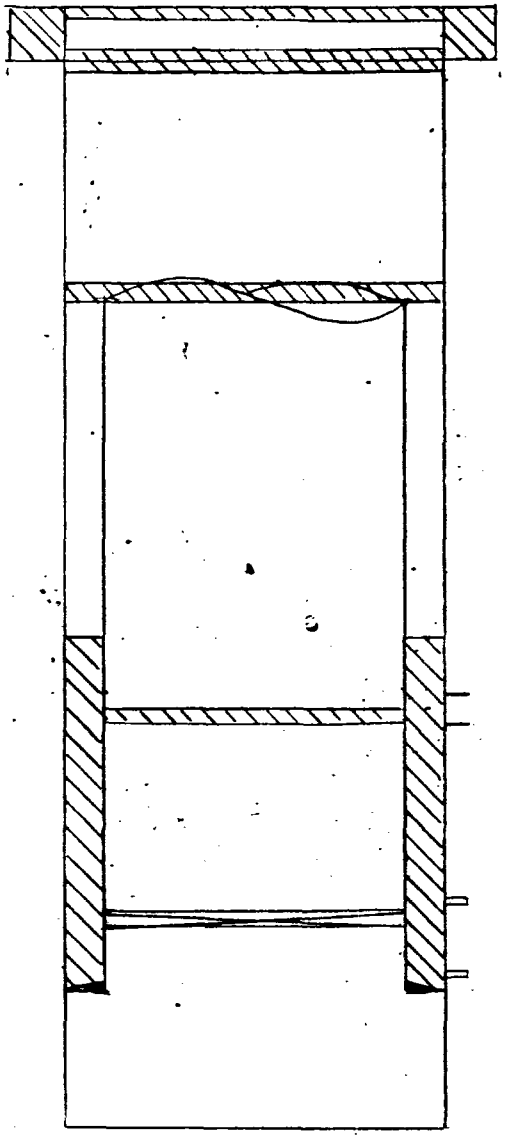
6000
6500
7000
7500
8000
8500



13-3/8" surface casing set at 249' with cement circulated

25 sxs. 218-250'

50 sxs. 1404-1472'
Casing cut & pulled from 1472'

Top of cement in annulus 3052'
Perforations 3324-3338'
4 squeeze holes at 3450' with 126 sxs. cement with top of cement inside casing at 3399'.

Perforations 4354-80'
CIBP at 4410' with 10' cement on top
Perforations 4597-4622'

5-1/2" production casing set at 4689' & cemented with 300 sxs.

57

WELL DATA SHEET

OPERATOR: Chevron LEASE: Lea "XA" State

WELL NO.: 3 FOOTAGE: 1980' FSL & 1980' FWL SECTION: 7-18S-34E K

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 48# CEMENTED WITH: 585 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/2" SETTING DEPTH: 585'

INTERMEDIATE CASING

SIZE: 8-5/8" 24 & 28# CEMENTED WITH: 1090 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 11" SETTING DEPTH: 1530'

LONG STRING

SIZE: 5-1/2" 15.5 & 17# CEMENTED WITH: 1400 SX.
TOC: 3200 FEET DETERMINED BY: Temp. Survey
HOLE SIZE: 7-7/8" SETTING DEPTH: 8793'

TOTAL DEPTH: 8795'

PRODUCING INTERVAL

FORMATION: Bone Springs POOL OR FIELD: Mescalero Escarpe Bone Springs
SPUD DATED: 7/29/84 COMPLETION DATE: 9/5/84
PERFORATED: 8609 FEET TO 8703 FEET

STIMULATION: 12,400 gallons acid

OTHER PERFORATED ZONES:

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Pumping Oil Well

IF P&A, LIST PLUGGING DETAILS:

WELL DATA SHEET

OPERATOR: Chevron LEASE: Lea "XA" State

WELL NO.: 1 FOOTAGE: 1980 FSL & 660 FWL SECTION: 7-18S-34E L

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 48# CEMENTED WITH: 500 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/2" SETTING DEPTH: 555

INTERMEDIATE CASING

SIZE: 8-5/8" 28# CEMENTED WITH: 1550 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 11" SETTING DEPTH: 4478

LONG STRING

SIZE: 5-1/2" 15.5 & 17# CEMENTED WITH: 1100 SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: 7-7/8" SETTING DEPTH: 8949

TOTAL DEPTH: 8950

PRODUCING INTERVAL

FORMATION: Bone Springs POOL OR FIELD: Mescalero Escarpe Bone Springs
SPUD DATED: 5/23/84 COMPLETION DATE:
PERFORATED: 8641 FEET TO 8748 FEET

STIMULATION: 4000 gallons acid

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Pumping Oil Well

IF P&A, LIST PLUGGING DETAILS:

WELL DATA SHEET

OPERATOR: Sunray DX Oil Co. LEASE: New Mexico State G

WELL NO.: 1 FOOTAGE: 660' FSL & 660' FWL SECTION: 7-18S-34E M

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 36# CEMENTED WITH: 275 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/4" SETTING DEPTH: 262'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 5-1/2" 14# CEMENTED WITH: 200 SX.
TOC: 3300 (estimated) FEET DETERMINED BY: Calculated
HOLE SIZE: 8" SETTING DEPTH: 4344'

TOTAL DEPTH: 4384'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates Seven Rivers Queen
SPUD DATED: 5/13/55 COMPLETION DATE: 6/4/55
~~PERFORATED~~: Open Hole 4344 FEET TO 4385 FEET

STIMULATION: 10,000 gallons refined oil & 15,000# sand

OTHER PERFORATED ZONES: None

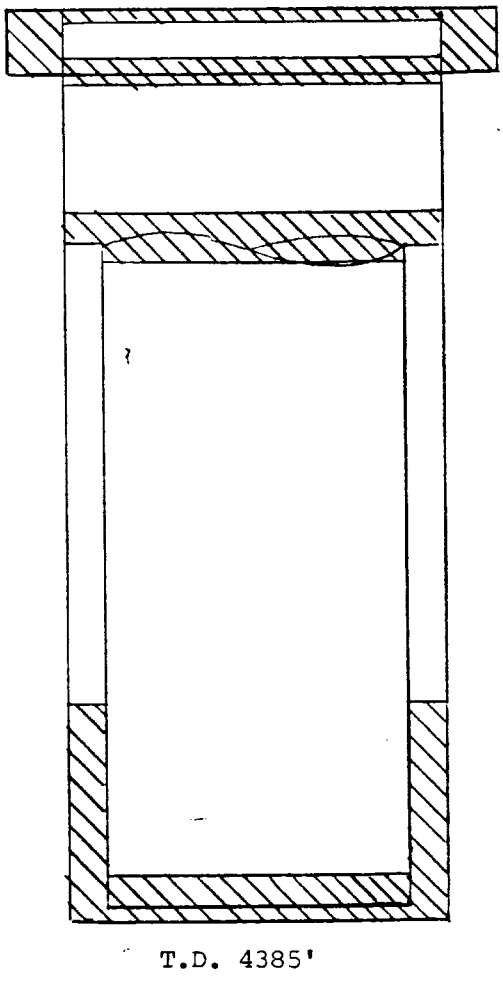
CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: 25 sxs. 4385-4150', cut & pull casing from 1119', 25 sxs. in & out of stub at 1119.25', 25 sxs. at 1120', 25 sxs. at 268', 10 sxs. surface plug

New Mexico State "G" #1
SW/4 SW/4 Sec. 7-18S-34E M
Lea County, New Mexico

SURFACE
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
6500
7000
7500
8000
8500



13-3/8" surface casing set at 262' with cement circulated.
25 sxs. plug at 268'

25 sxs. plug at 1120'
25 sxs. plug in and out of stub at 1119'
Cut & pull casing from 1119'

Calculated top of cement at approx. 3200'

25 sxs. 4385-4150'
Open Hole 4344-4385'

5-1/2" production casing set at 4344'

WELL DATA SHEET

OPERATOR: Chevron LEASE: Lea "XA" State

WELL NO.: 2 FOOTAGE: 660' FSL & 330' FWL SECTION: 7-18S-34E

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 48 & 54.5# CEMENTED WITH: 500 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/2" SETTING DEPTH: 565'

INTERMEDIATE CASING

SIZE: 8-5/8" 28# CEMENTED WITH: 1600 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 11' SETTING DEPTH: 4466'

LONG STRING

SIZE: 5-1/2" 15.5 & 17# CEMENTED WITH: 2050 SX.
TOC: 3910 FEET DETERMINED BY: Temperature Survey
HOLE SIZE: 7-7/8" SETTING DEPTH: 3970

TOTAL DEPTH: 8970'

PRODUCING INTERVAL

FORMATION: Bone Springs POOL OR FIELD: Mescalero Escarpe Bone Springs
SPUD DATE: 6/19/84 COMPLETION DATE: 8/7/84
PERFORATED: 8365 FEET TC 8765 FEET

STIMULATION: 54,400 gals. acid

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Pumping oil well

IF P&A, LIST PLUGGING DETAILS:

WELL DATA SHEET

OPERATOR: Sunray DX Oil Co. LEASE: New Mexico State "G"

WELL NO.: 2 FOOTAGE: 1858.6' FWL & 660' FSL SECTION: 7-18S-34E N

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 36# CEMENTED WITH: 250 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/2" SETTING DEPTH: 247'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 5-1/2" 14# CEMENTED WITH: 200 SX.
TOC: 3300' (estimated) FEET DETERMINED BY: Calculation
HOLE SIZE: 8" SETTING DEPTH: 4355'

TOTAL DEPTH: 4388'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates Seven Rivers Queen
SPUD DATED: 7/7/55 COMPLETION DATE: 9/4/55
~~PERFORATED~~: Open Hole FEET TO FEET

STIMULATION: 10,000 gallons refined oil and 10,000# sand

OTHER PERFORATED ZONES: None

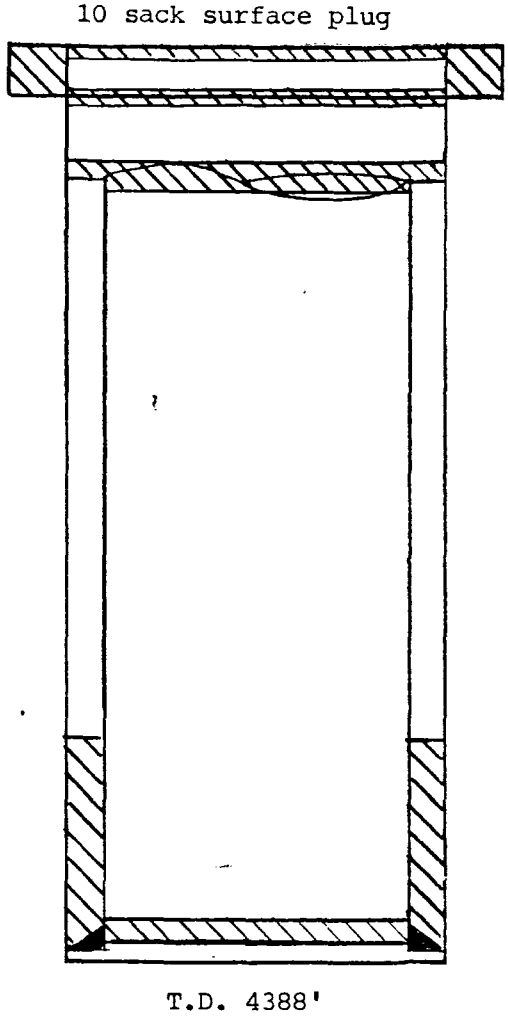
CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: 25 sxs. at 4340', cut and pulled 5-1/2" casing from 619', 25 sxs. in and out of stub at 619', 25 sxs. at 250', 10 sxs. surface plug.

New Mexico State "G" #2
SE/4 SW/4 Sec. 7-18S-34E N
Lea County, New Mexico

SURFACE
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
6500
7000
7500
8000
8500



13-3/8" surface casing set at 247'
with cement circulated
25 sxs. at 250'

25 sxs. in & out of stub at 619'
Casing cut & pulled from 619'

Calculated top of cement at 3300'

25 sxs. at 4349'
Open Hole 4355-4388'

5-1/2" casing set at 4355'

WELL DATA SHEET

OPERATOR: Chevron LEASE: Lea "XA" State

WELL NO.: 4 FOOTAGE: 990' FSL & 1650' FWL SECTION: 7-18S-34E N

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 48# CEMENTED WITH: 500 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/2" SETTING DEPTH: 510'

INTERMEDIATE CASING

SIZE: 8-5/8" 24# CEMENTED WITH: 1000 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 11" SETTING DEPTH: 3350'

LONG STRING

SIZE: 5-1/2" 15.5 & 17# CEMENTED WITH: 2050 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 7-7/8" SETTING DEPTH: 9600'

TOTAL DEPTH: 9600'

PRODUCING INTERVAL

FORMATION: Bone Springs POOL OR FIELD: Mescalero Escarpe Bone Springs
SPUD DATED: 9/29/84 COMPLETION DATE: 11/7/84
PERFORATED: 8691 FEET TO 9380 FEET

STIMULATION: 23,500 gallons acid

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Pumping oil well

IF P&A, LIST PLUGGING DETAILS:

WELL DATA SHEET

OPERATOR: Sunray DX Oil Co. LEASE: New Mexico State H

WELL NO.: 1 FOOTAGE: 1980' FEL & 660' FSL SECTION: 7-18S-34E O

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 36# CEMENTED WITH: 250 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/2" SETTING DEPTH: 245'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 5-1/2" 14# CEMENTED WITH: 150 SX.
TOC: 3600 (estimated) FEET DETERMINED BY: Calculation
HOLE SIZE: 8" SETTING DEPTH: 4390'

TOTAL DEPTH: 4410'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates Seven Rivers Queen
SPUD DATED: 9/11/55 COMPLETION DATE: 10/22/55
PERFORATED: Open Hole 4390 FEET TO 4410 FEET

STIMULATION: 10,000 gallons oil and 15,000# sand

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: 25 sxs. 4300-4404', cut & pull casing from 997', 25 sxs. 3100-3230', 25 sxs. 915-1015', 25 sxs. 150-250', 10 sxs. surface plug

New Mexico State "H" #1
SW/4 SE/4 Sec. 7-18S-34E O
Lea County, New Mexico

SURFACE
500
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2000
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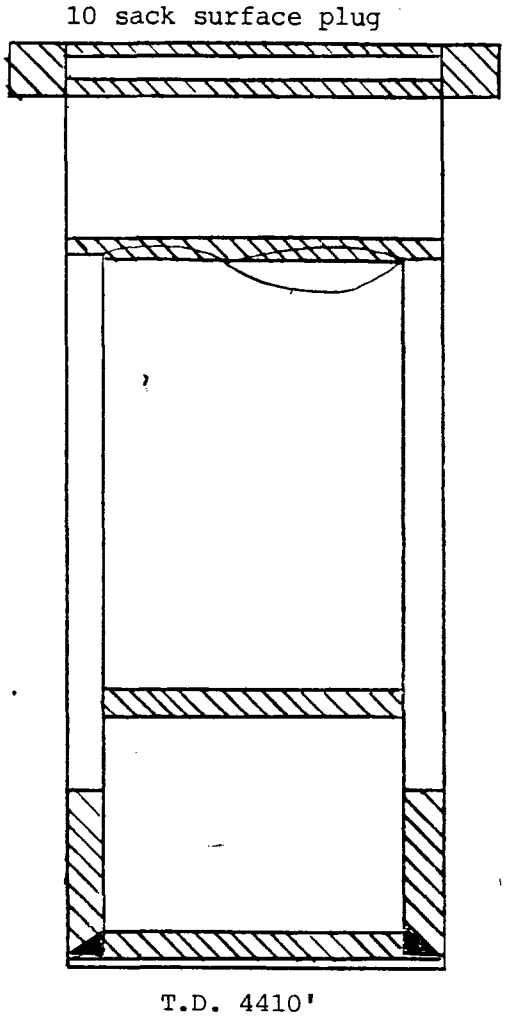
3000
3500
4000
4500
5000
5500
6000
6500
7000
7500
8000
8500



13-3/8" surface casing set @ 245'
with cement circulated

25 sxs. 150-250'

25 sxs. 915-1015'
Cut & pull casing from 997'

25 sxs. 3100-3230'

Calculated top of cement at
approx. 3600'

25 sxs. 4300-4404'
Open hole 4390-4410'

5'1/2 production casing set at
4390'

Cement

WELL DATA SHEET

OPERATOR: Perry R. Bass LEASE: State of New Mexico

WELL NO.: 1 FOOTAGE: 660' FSL & 660' FEL SECTION: 7-18S-34E P

TUBULAR DATA

SURFACE CASING

SIZE: 9-5/8" 40# CEMENTED WITH: 400 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 13-3/4" SETTING DEPTH: 352.73'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 5-1/2" 17# CEMENTED WITH: 400 SX.
TOC: 2865 FEET DETERMINED BY: Temp. Survey
HOLE SIZE: 7-7/8" SETTING DEPTH: 4434.50'

TOTAL DEPTH: 4439'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates Seven Rivers Queen
SPUD DATED: 12/30/55 COMPLETION DATE: 1/22/56
PERFORATED: 4376 FEET TO 4389 FEET

STIMULATION: 500 gallons acid, 10,000 gallons crude & 13,000# sand

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: CIBP @ 4350' w/35' cement on T/plug, 50 sxs @ 1900-2100', 50 sxs. @ 1185-1232', 45 sxs. @ 300-400' & 20 sxs. surface plug.

State of New Mexico #1
SE/4 SE/4 Sec. 7-18S-34E P
Lea County, New Mexico

SURFACE
500
1000
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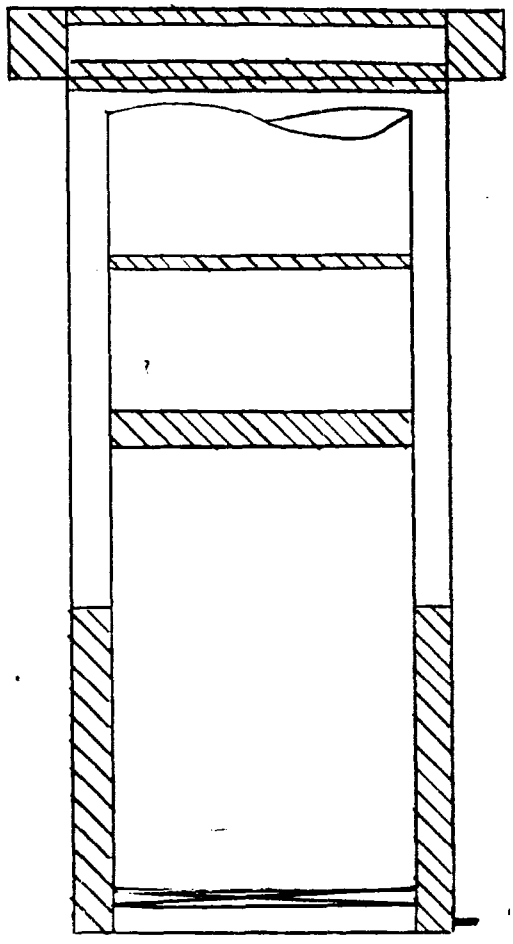
2000
2500
3000
3500
4000
4500
5000
5500
6000
6500
7000
7500
8000
8500

20 sack surface plug



T.D. 4439'

9-5/8" surface casing set at 352.73' with cement circulated

45 sxs. 300-400'
Casing cut and pulled at 486'

50 sxs. 1185-1232'

50 sxs. 1900-2100'

Top of cement at 2865'

CIBP at 4350' with 35' cement on plug

Perforations 4376-4389'

5-1/2" production casing set at 4434.5'

Cement

WELL DATA SHEET

OPERATOR: J. Cecil Rhodes LEASE: Jere

WELL NO.: 2 FOOTAGE: 660' FNL & 1980' FEL SECTION: 8-18S-34E B

TUBULAR DATA

SURFACE CASING

SIZE: 8-5/8" 24# CEMENTED WITH: 300 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 11" SETTING DEPTH: 355'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

TOTAL DEPTH:

PRODUCING INTERVAL

FORMATION: None POOL OR FIELD:
SPUD DATE: COMPLETION DATE:
PERFORATED: FEET TO FEET

STIMULATION: None

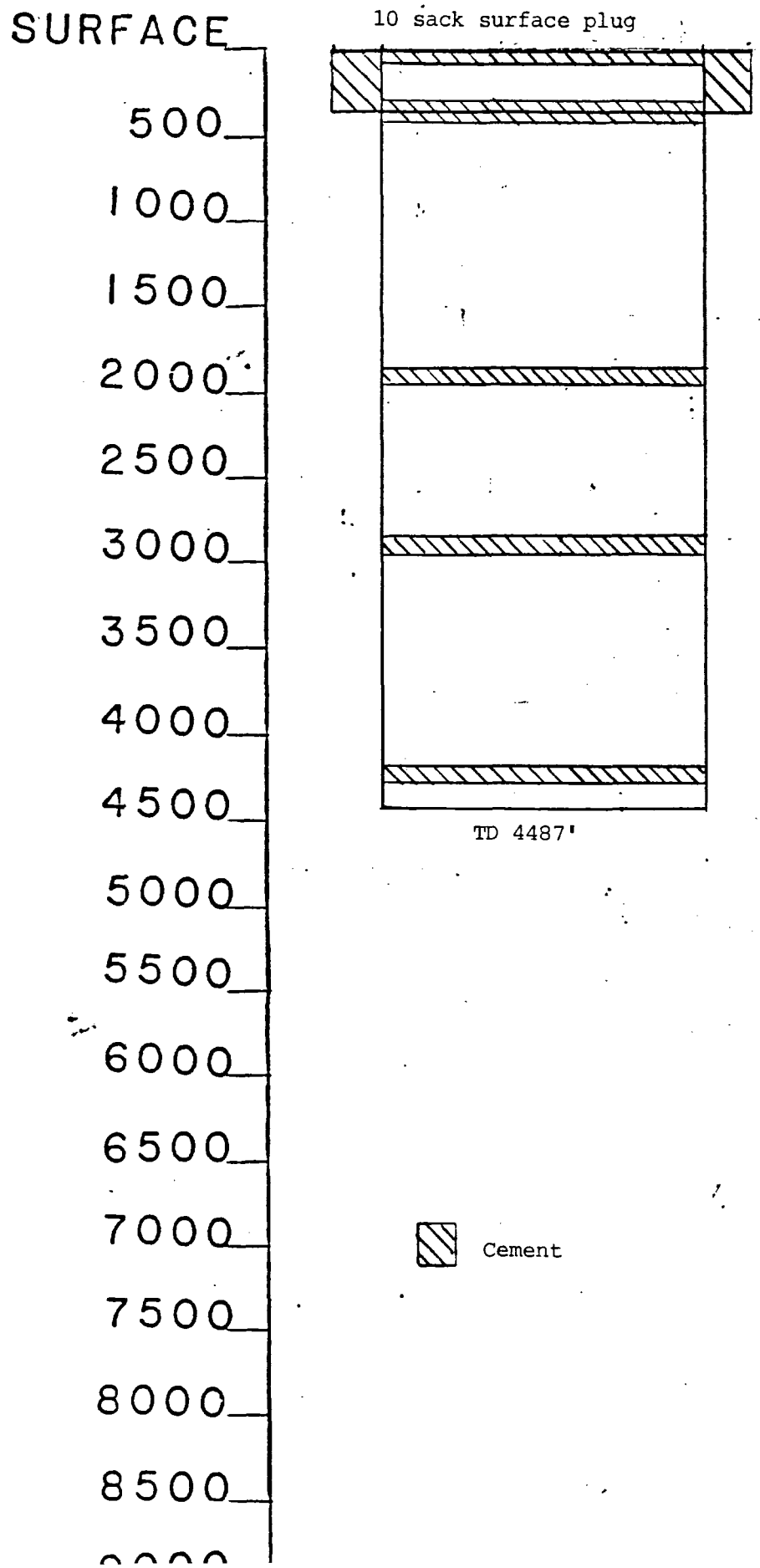
OTHER PERFORATED ZONES:

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: 35 sxs. 4226-4126', 35 sxs. 2960-2860', 35 sxs. 1925-1825', 35 sxs. 370-270', 10 sxs. surface plug.

Jere #2
NW/4 NE/4 Sec. 8-18S-34E B
Lea County, New Mexico



WELL DATA SHEET

OPERATOR: Ray Westall LEASE: Joannie

WELL NO.: 1 FOOTAGE: 660' FNL & 1980' FWL SECTION: 8-18S-34E C

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 35.6# CEMENTED WITH: 450 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/2" SETTING DEPTH: 318'

INTERMEDIATE CASING

SIZE: 8-5/8" 24 & 32# CEMENTED WITH: 250 SX.
TOC: Unknown FEET DETERMINED BY: Unknown
HOLE SIZE: 11" SETTING DEPTH: 3262'

LONG STRING

SIZE: 4-1/2" 9.5# CEMENTED WITH: 400 SX.
TOC: Unknown FEET DETERMINED BY: Unknown
HOLE SIZE: 7-7/8" SETTING DEPTH: 4658'

TOTAL DEPTH: 4673'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates Seven Rivers Queen
SPUD DATED: 7/25/73 COMPLETION DATE: 8/16/73
PERFORATED: 4304 FEET TO 4538 FEET

STIMULATION: 1000 gallons 15% acid, 20,000 gallons 9# brine & 40,000# 20/40 sand.

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Pumping oil well

IF P&A, LIST PLUGGING DETAILS:

WELL DATA SHEET

OPERATOR: Ray Westall LEASE: Joannie

WELL NO.: 4 FOOTAGE: 660' FNL & 990' FWL SECTION: 8-18S-34E D

TUBULAR DATA

SURFACE CASING

SIZE: 8-5/8" 20# CEMENTED WITH: 275 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 11" SETTING DEPTH: 325'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 4-1/2" 10.5# & 5-1/2" 15.5# CEMENTED WITH: 600 SX.
TOC: Unknown FEET DETERMINED BY: Unknown
HOLE SIZE: 7-7/8" SETTING DEPTH: 4502'

TOTAL DEPTH: 4670'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates Seven Rivers Queen
SPUD DATED: 11/13/73 COMPLETION DATE: 11/27/73
PERFORATED: 4324 FEET TO 4334 FEET

STIMULATION: 500 gallons acid

OTHER PERFORATED ZONES:

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Pumping oil well

IF P&A, LIST PLUGGING DETAILS:

12

WELL DATA SHEET

OPERATOR: Ray Westall LEASE: Joannie

WELL NO.: 3 FOOTAGE: 990' FWL & 1650' FNL SECTION: 8-18S-34E E

TUBULAR DATA

SURFACE CASING

SIZE: 10-3/4" 32.75# CEMENTED WITH: 250 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 15" SETTING DEPTH: 365'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 4-1/2" 9.5# CEMENTED WITH: 300 SX.
TOC: Unknown FEET DETERMINED BY: Unknown
HOLE SIZE: 8-3/4" SETTING DEPTH: 4421'

TOTAL DEPTH: 4431'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates Seven Rivers Queen
SPUD DATED: 4/22/74 COMPLETION DATE: 5/7/74
PERFORATED: 4360 FEET TO 4370 FEET

STIMULATION: 500 gallons 15% acid, 10,000 gallons gelled brine & 20,000# 20/40 sand.

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Pumping oil well

IF P&A, LIST PLUGGING DETAILS:

wd.

WELL DATA SHEET

OPERATOR: Ray Westall LEASE: Joannie

WELL NO.: 5 FOOTAGE: 1650' FNL & 1980' FWL SECTION: 8-18S-34E F

TUBULAR DATA

SURFACE CASING

SIZE: 8-5/8" 24# CEMENTED WITH: 300 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 11" SETTING DEPTH: 365'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 5-1/2" 14# CEMENTED WITH: 175 SX.
TOC: Unknown FEET DETERMINED BY: Unknown
HOLE SIZE: 7-7/8" SETTING DEPTH: 4419'

TOTAL DEPTH: 4420'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates Seven Rivers Queen
SPUD DATED: 4/5/74 COMPLETION DATE: 6/11/74
PERFORATED: 4381 FEET TO 4391 FEET

STIMULATION: 500 gallons 15% acid, 10,000 gallons gelled brine & 20,000# 20/40 sand

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Pumping oil well

IF P&A, LIST PLUGGING DETAILS:

WELL DATA SHEET

OPERATOR: V-F Petroleum Inc. LEASE: E-K 8 State

WELL NO.: 1 FOOTAGE: 1650' FSL & 2100' FEL SECTION: 8-18S-34E J

TUBULAR DATA

SURFACE CASING

SIZE: 8-5/8" 24# CEMENTED WITH: 250 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 12-1/4" SETTING DEPTH: 401'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

TOTAL DEPTH:

PRODUCING INTERVAL

FORMATION: None POOL OR FIELD:
SPUD DATE: COMPLETION DATE:
PERFORATED: FEET TO FEET

STIMULATION:

OTHER PERFORATED ZONES:

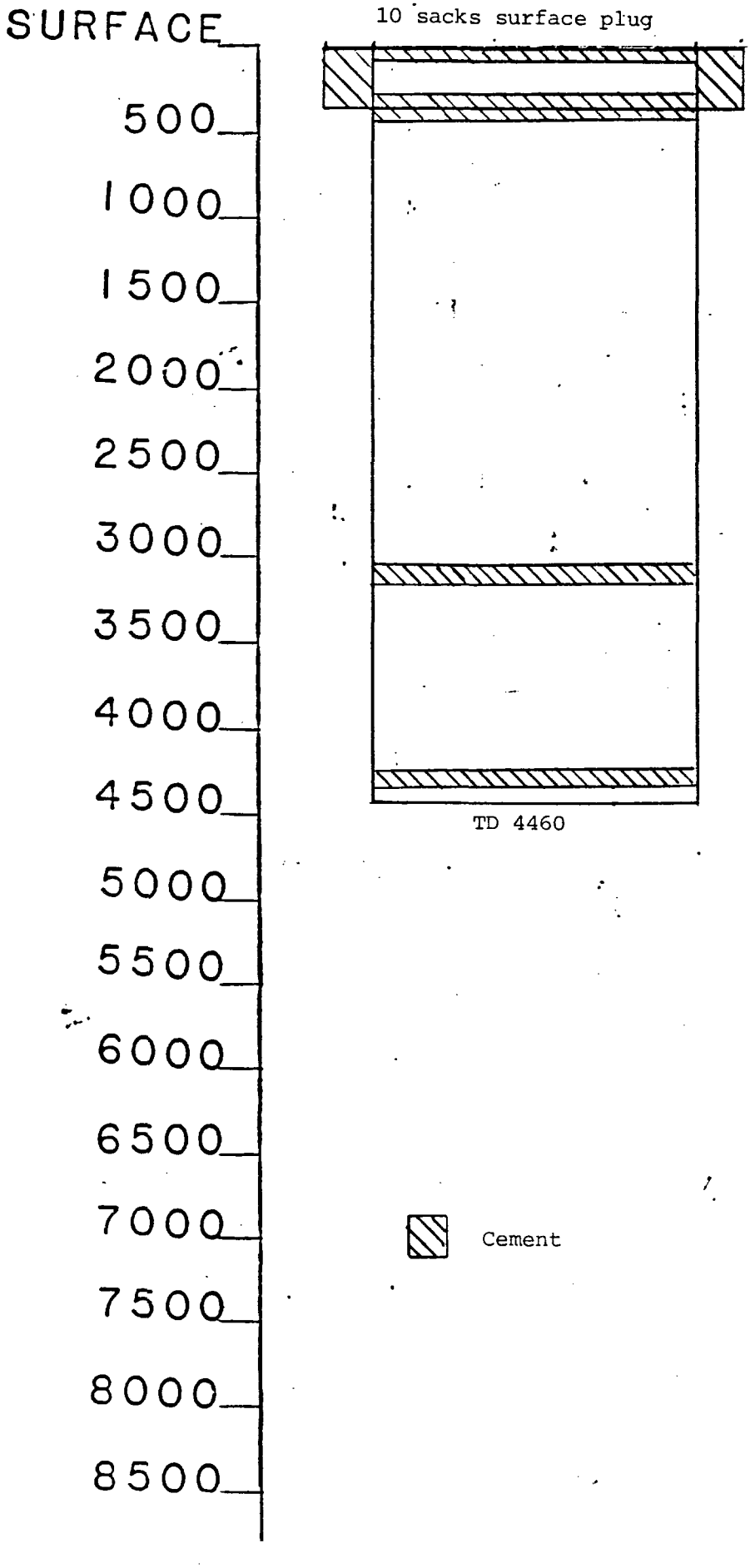
CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: 25 sxs. at 4400', 25 sxs. at 3150', 25 sxs. at 450', 10 sxs. surface plug.

HL.

E-K 8 State #1
NW/4 SE/4 Sec. 8-18S-34E J
Lea County, New Mexico



MH

WELL DATA SHEET

OPERATOR: Richarson & Bass LEASE: State of New Mexico Lease E-5014

WELL NO.: 3 FOOTAGE: 1980' FWL & 1980' FSL SECTION: 8-18S-34E K

TUBULAR DATA

SURFACE CASING

SIZE: 8-5/8" 24# CEMENTED WITH: 260 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 12" SETTING DEPTH: 349.29'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 5-1/2" 17# CEMENTED WITH: 600 SX.
TOC: 2577 FEET DETERMINED BY: Temp. Survey
HOLE SIZE: 7-7/8" SETTING DEPTH: 5362'

TOTAL DEPTH: 5363'

PRODUCING INTERVAL

FORMATION: None POOL OR FIELD:
SPUD DATE: COMPLETION DATE:
PERFORATED: FEET TO FEET

STIMULATION:

OTHER PERFORATED ZONES: 5324-5334', 5306-5318', 5272-5283', 4615-4630'

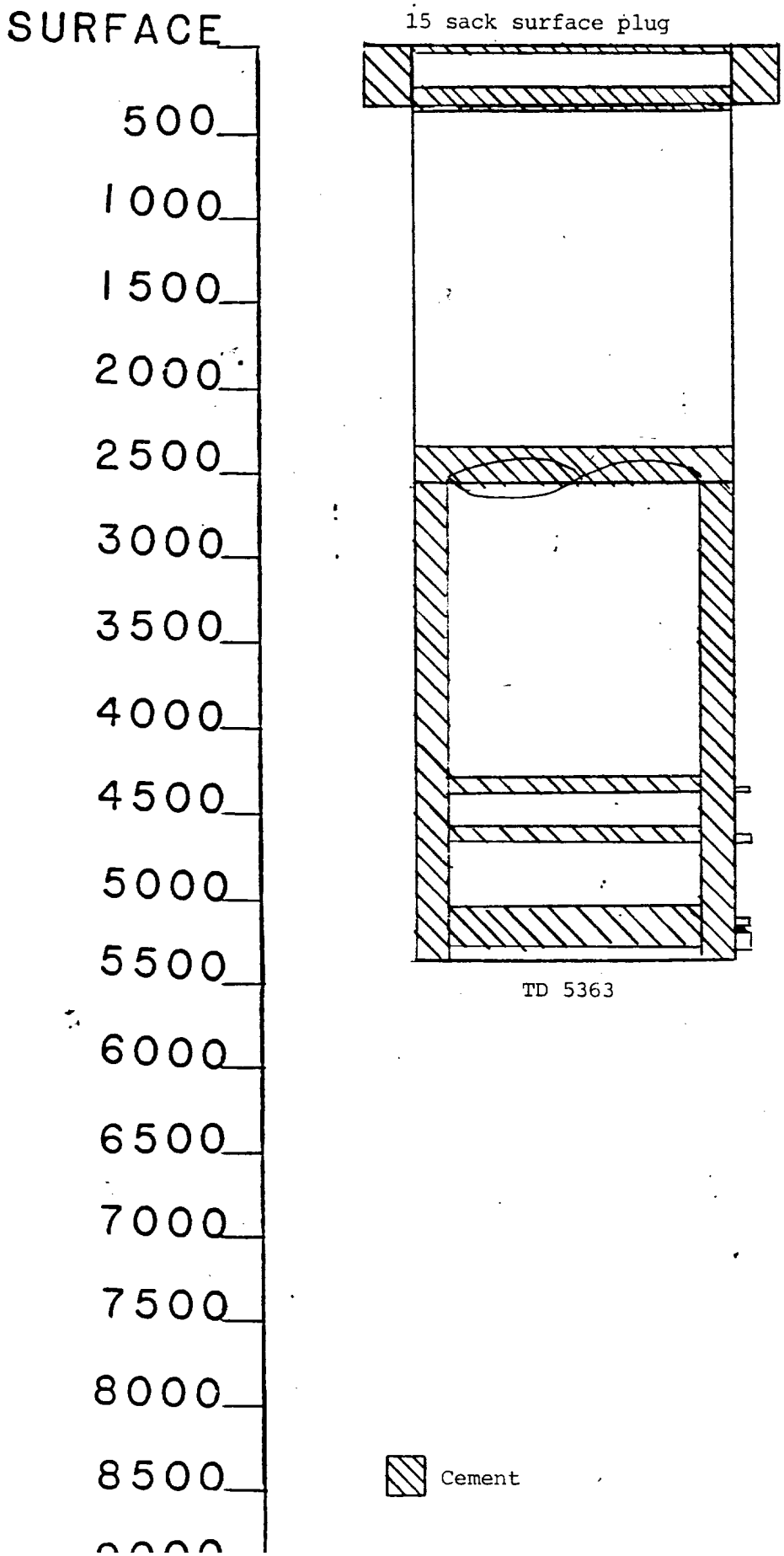
CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: Squeezed perfs. 5324-5334 with 75 sxs. Squeezed perfs. 5306-5318 with 100 sxs. Squeezed perfs. 5272-5283 with 75 sxs. Squeezed perfs. 4615-4630 with 50 sxs. Squeezed perfs. 4394-4416 with 50 sxs. Cut casing at 2500'. 50 sxs. plug at 2333-2495', 50 sxs. plug at 215-368', 15 sxs. plug at surface.

HQ

State of New Mexico Lease E-5014 #3
NE/4 SW/4 Sec. 8-18S-34E K
Lea County, New Mexico



8-5/8" surface casing set at 349.29' with cement circulated

50 sxs. plug from 215-368'

50 sxs. plug from 2333-2495'
Casing cut and pulled from 2500'

Perfs 4394-4416 squeezed w/50 sxs.
Perfs 4615-4630 squeezed w/50 sxs.
Perfs. 5272-5283 squeezed w/75 sxs.
Perfs. 5306-5318 squeezed w/100 sxs
Perfs. 5324-5334 squeezed w/75 sxs.

5-1/2" casing set at 5362'
with top of cement at 2577'.

WELL DATA SHEET

OPERATOR: Seely Oil Company LEASE: Amoco State

WELL NO.: 1 FOOTAGE: 660' FSL & 330' FWL SECTION: 8-18S-34E M

TUBULAR DATA

SURFACE CASING

SIZE: 8-5/8" 24# CEMENTED WITH: 760 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 11" SETTING DEPTH: 1701'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 4-1/2" 10.5# CEMENTED WITH: 350 SX.
TOC: 3400 (estimated) FEET DETERMINED BY: Calculation
HOLE SIZE: 7-7/8" SETTING DEPTH: 4800'

TOTAL DEPTH: 4800'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates Seven Rivers Queen
SPUD DATED: 7/22/83 COMPLETION DATE: 8/29/83
PERFORATED: 4381 FEET TO 4606 FEET

STIMULATION: 1180 gallons acid, 30,000 gallons gelled water & 43,400# sand

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Pumping oil well

IF P&A, LIST PLUGGING DETAILS:

WELL DATA SHEET

OPERATOR: Forest Oil Corp. LEASE: State-Sunray

WELL NO.: 1 FOOTAGE: 990' FWL & 330' FSL SECTION: 8-18S-34E M

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 48# CEMENTED WITH: 400 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/4" SETTING DEPTH: 364.28'

INTERMEDIATE CASING

SIZE: 8-5/8" 32# CEMENTED WITH: 1200 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 11" SETTING DEPTH: 4971'

LONG STRING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

TOTAL DEPTH: 9198'

PRODUCING INTERVAL

FORMATION: None POOL OR FIELD:
SPUD DATE: COMPLETION DATE:
PERFORATED: FEET TO FEET

STIMULATION: None

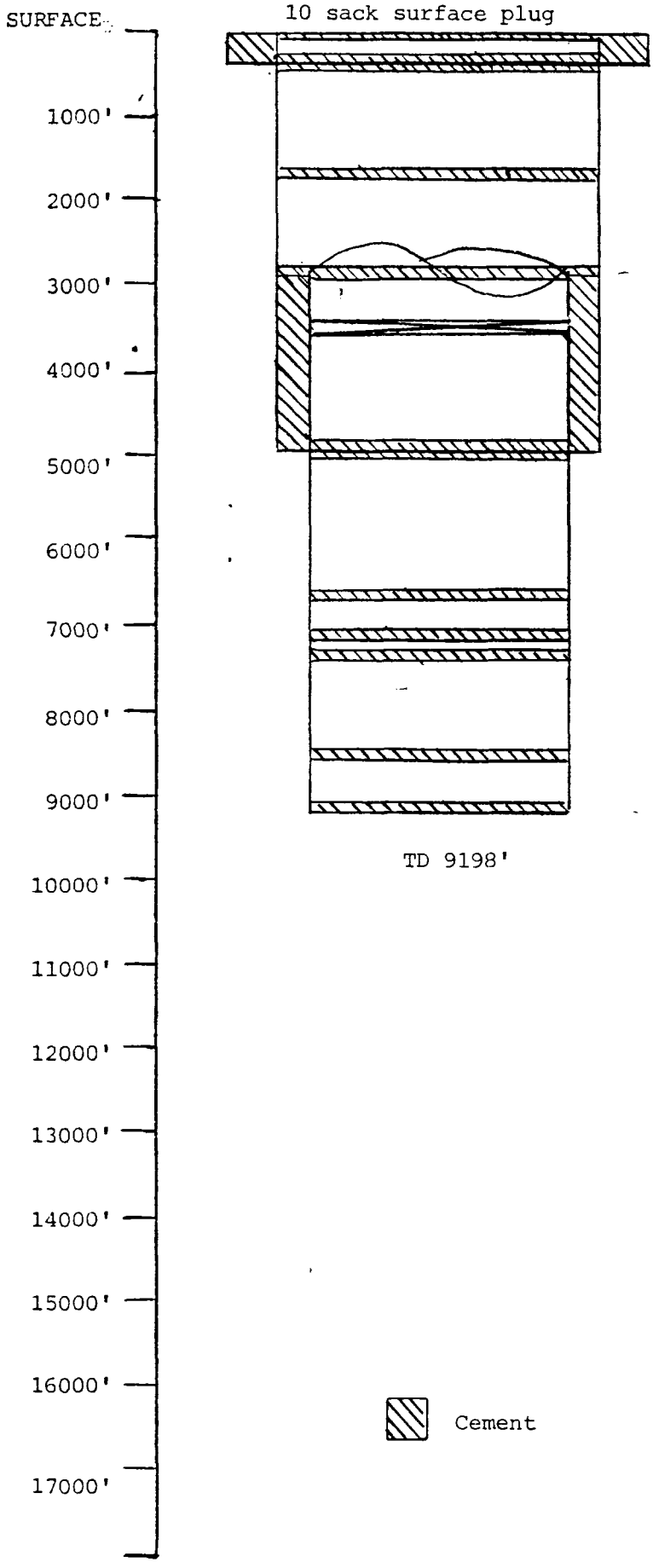
OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: Pulled 2887' of 8-5/8" casing. Set cement plugs as follows: 35 sxs. plug from 9198-9077, 25 sxs. plug from 8498-8408, 50 sxs. plug from 7322-7150, 35 sxs. plug from 7188-7068, 25 sxs. plug from 6700-6614, 35 sxs. plug from 5020-4900, CIBP at 3500, 25 sxs. plug from 2894-2841, 25 sxs. plug from 1835-1789, 25 sxs. plug from 392-358, 10 sxs. surface plug.

State Sunray #1
SW/4 SW/4 Sec. 8-18S-34E M
Lea County, New Mexico



13-3/8" surface casing set at 364.28' with cement circulated
25 sxs. 358-392'

25 sxs. 1789-1835'

25 sxs. 2841-2894'
2887' 8-5/8" casing pulled
CIBP set at 3500'

35 sxs. 4900-5020'

35 sxs. 6614-6700'

25 sxs. 7068-7188'
25 sxs. 7150-7322'

25 sxs. 8408-8498'

32 sxs. 9077-9198'

WELL DATA SHEET

OPERATOR: Sunray DX Oil Co. LEASE: New Mexico "H" State

WELL NO.: 2 FOOTAGE: 660' FWL & 660' FSL SECTION: 8-18S-34E M

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 36# CEMENTED WITH: 250 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 11" SETTING DEPTH: 243.16

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 5-1/2" 14# CEMENTED WITH: 150 SX.
TOC: 3640 FEET DETERMINED BY: Temp. Survey
HOLE SIZE: 8" SETTING DEPTH: 4379'

TOTAL DEPTH: 4404'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates Seven Rivers Queen
SPUD DATED: 3/19/56 COMPLETION DATE: 4/24/56
~~PERFORATED:~~ Open Hole 4379' FEET TO 4404 FEET

STIMULATION: 10,000 gallons refined oil and 20,000# sand

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: 25 sxs. 4404-4300', cut casing off at 1640', 25 sxs. 2010-1910', 25 sxs. 1650-1550', 25 sxs. 245-145, 10 sxs. surface plug.

New Mexico "H" State #1
SW/4 SW/4 Sec. 8-18S-34E M
Lea County, New Mexico

SURFACE
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4500
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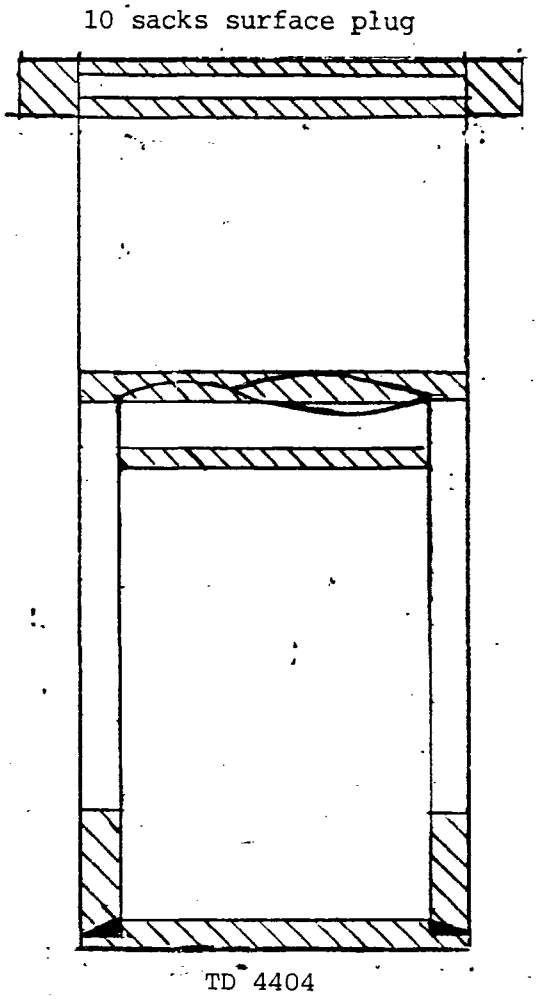
6000
6500
7000
7500
8000
8500



13-7/8" surface casing set at 243.16' with cement circulated 25 sxs. at 145-245'

Casing cut off and pulled from 1640'
25 sxs. at 1550-1650'

25 sxs. at 1910-2010'

25 sxs. at 4300-4404'

Open Hole 4379-4404'

5'1/2" casing set at 4379' with top of cement at 3640'

Cement

WELL DATA SHEET

OPERATOR: Seely Oil Company LEASE: State of New Mexico

WELL NO.: 2 FOOTAGE: 1980' FWL & 660' FSL SECTION: 8-18S-34E N

TUBULAR DATA

SURFACE CASING

SIZE: 8-5/8" 24# CEMENTED WITH: 250 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 12" SETTING DEPTH: 354.95'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 5-1/2" 17# CEMENTED WITH: 400 SX.
TOC: 2090 FEET DETERMINED BY: Temp. Survey
HOLE SIZE: 7-7/8" SETTING DEPTH: 4454

TOTAL DEPTH: 4477'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates Seven Rivers Queen
SPUD DATED: 6/11/56 COMPLETION DATE: 6/28/56
PERFORATED: 4428 FEET TO 4436 FEET

STIMULATION: 500 gallons 15% acid, 10,000 gallons oil & 20,000# 20/40 sand

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Pumping oil well

IF P&A, LIST PLUGGING DETAILS:

ac

WELL DATA SHEET

OPERATOR: Seely Oil Company LEASE: State BC

WELL NO.: 1 FOOTAGE: 660' FSL & 1980' FEL SECTION: 8-18S-34E O

TUBULAR DATA

SURFACE CASING

SIZE: 8-5/8" 24# CEMENTED WITH: 275 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 11" SETTING DEPTH: 373.27'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 5-1/2" 14# CEMENTED WITH: 300 SX.
TOC: 2800 (estimated) FEET DETERMINED BY: Calculation
HOLE SIZE: 7-7/8" SETTING DEPTH: 4454'

TOTAL DEPTH: 4456'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates Seven Rivers Queen
SPUD DATED: 1/23/57 COMPLETION DATE: 2/22/57
PERFORATED: 4424 FEET TO 4450 FEET

STIMULATION: 500 gallons acid, 15,000 gallons oil & 15,000# 20/40 sand.

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Pumping oil well

IF P&A, LIST PLUGGING DETAILS:

WELL DATA SHEET

OPERATOR: Seely Oil Company LEASE: State BC

WELL NO.: 2 FOOTAGE: 660' FSL & 660' FEL SECTION: 8-18S-34E P

TUBULAR DATA

SURFACE CASING

SIZE: 8-5/8" 22.7# CEMENTED WITH: 275 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 11" SETTING DEPTH: 373.27'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 5-1/2" 14# CEMENTED WITH: 300 SX.
TOC: 2800 (estimated) FEET DETERMINED BY: Calculation
HOLE SIZE: 7-7/8" SETTING DEPTH: 4452.31'

TOTAL DEPTH: 4500'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates Seven Rivers Queen
SPUD DATED: 3/27/57 COMPLETION DATE: 4/20/57
PERFORATED: 4405 FEET TO 4432 FEET

STIMULATION: 500 gallons acid, 15,000 gallons lease crude & 20,000# 20/40 sand

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Pumping oil well

IF P&A, LIST PLUGGING DETAILS:

8

WELL DATA SHEET

OPERATOR: Amoco Production Co. LEASE: State CN

WELL NO.: 1 FOOTAGE: 1980' FSL & 1980' FEL SECTION: 9-18S-34E J

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 48# CEMENTED WITH: 550 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/2" SETTING DEPTH: 518'

INTERMEDIATE CASING

SIZE: 8-5/8" 32# CEMENTED WITH: 400 SX.
TOC: Surface FEET DETERMINED BY: Calculation
HOLE SIZE: 12-1/4" SETTING DEPTH: 3586'

LONG STRING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

TOTAL DEPTH: 9000'

PRODUCING INTERVAL

FORMATION: None POOL OR FIELD: Vacuum W.
SPUD DATE: 10/28/84 COMPLETION DATE: 12/5/84
PERFORATED: None FEET TO None FEET

STIMULATION: None

OTHER PERFORATED ZONES: None

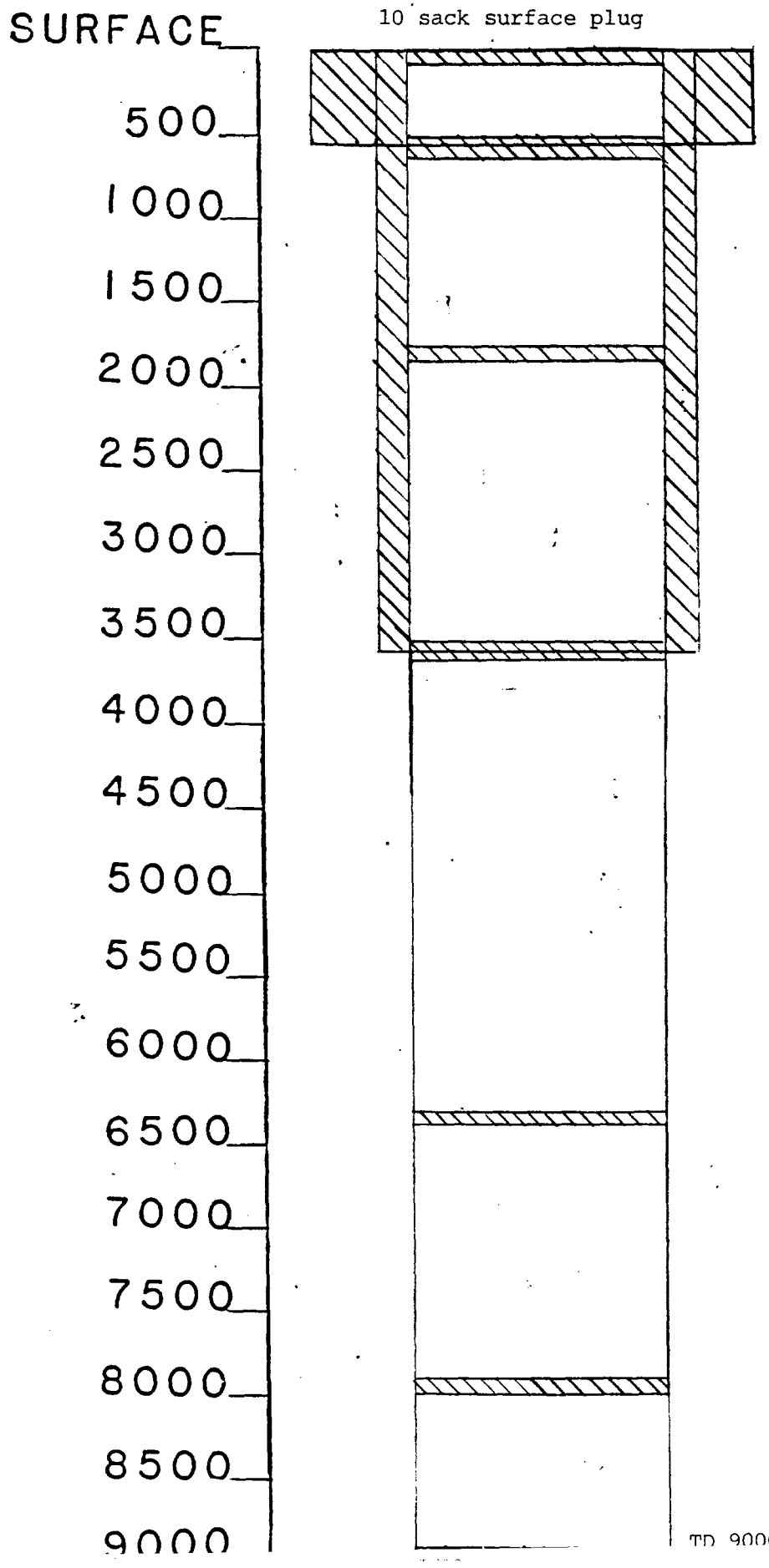
CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: 25 sxs. plug from 9000-8935, 35 sxs. plug from 8001-7901, 40 sxs. plug from 6363-6263, 35 sxs. plug from 3623-3523, 35 sxs. plug from 1796-1696, 30 sxs. plug from 567-467, 10 sxs. surface plug.

Cement

State CN #1
NW/4 SE/4 Sec. 9-18S-34E J
Lea County, New Mexico



13-3/8" surface casing set at 518' with cement circulated

30 sxs. plug 467-567'

35 sxs. plug 1696-1796'

8-5/8" intermediate casing set at 3586' with cement circulated

35 sxs. plug 3523-3623'

40 sxs. plug 6263-6363'

35 sxs. plug 7901-8001'

25 sxs. plug 8935-9000'

29

WELL DATA SHEET

OPERATOR: Seely Oil Company LEASE: State HS Com.

WELL NO.: 1 FOOTAGE: 1980' FSL & 1980' FWL SECTION: 9-18S-34E K

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 48# CEMENTED WITH: 370 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17" SETTING DEPTH: 400'

INTERMEDIATE CASING

SIZE: 9-5/8" 40# CEMENTED WITH: 5600 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 12-1/4" SETTING DEPTH: 5900'

LONG STRING

SIZE: 5-1/2" 23# CEMENTED WITH: 3750 SX.
TOC: 3580 FEET DETERMINED BY: CBL
HOLE SIZE: 8-3/4" SETTING DEPTH: 13,717'

TOTAL DEPTH: 13,745'

PRODUCING INTERVAL

FORMATION: Bone Springs POOL OR FIELD:
SPUD DATE: 5/11/81 COMPLETION DATE: 12/17/81
PERFORATED: 8050 FEET TO 8428 FEET

STIMULATION: 3000 gallons HCL

OTHER PERFORATED ZONES: 11,110-11,120, 10,548-578, 10,854-11004, 11,487-11,565, 11,446-11,469, 11,315-11,385

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Temporarily abandoned.

IF P&A, LIST PLUGGING DETAILS:

WELL DATA SHEET

OPERATOR: Ray Westall LEASE: Joannie Shell

WELL NO.: 1 FOOTAGE: 330' FNL & 330' FWL SECTION: 16-18S-34E

TUBULAR DATA

SURFACE CASING

SIZE: 8-5/8" 24# CEMENTED WITH: 279 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 11" SETTING DEPTH: 325'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 4-1/2" 10.5# CEMENTED WITH: 400 SX.
TOC: 3000' (est.) FEET DETERMINED BY: Calculation
HOLE SIZE: 7-7/8" SETTING DEPTH: 4625'

TOTAL DEPTH: 4682'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: EK Yates-Seven Rivers-Queen
SPUD DATE: 10/27/73 COMPLETION DATE: 11/9/73
PERFORATED: 4418 FEET TO 4450 FEET

STIMULATION: Acid - 1500 gals. 15%, Frac - 50,000 gals. brine & 50,000# 20/40 sand

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Producing from Queen

IF P&A, LIST PLUGGING DETAILS:

WELL DATA SHEET

OPERATOR: The Atlantic Refining Co. LEASE: State "AJ"

WELL NO.: 2 FOOTAGE: 330' FNL & 1984.5' FEL SECTION: 17-18S-34E B

TUBULAR DATA

SURFACE CASING

SIZE: 8-5/8" 18# CEMENTED WITH: 300 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 12-1/4" SETTING DEPTH: 336

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 5-1/2" 14, 15.5 & 17# CEMENTED WITH: 1400 SX.
TOC: 12' FEET DETERMINED BY: Visual inspection
HOLE SIZE: 7-7/8" SETTING DEPTH: 4495'

TOTAL DEPTH: 4496'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates-Seven Rivers-Queen
SPUD DATE: 4/12/57 COMPLETION DATE: 5/6/57
PERFORATED: 4463 FEET TO 4469 FEET

STIMULATION: 500 gallons 7-1/2% MCA acid, 2000 gallons oil and 2000# 20/40 sand

OTHER PERFORATED ZONES:

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: 20 sxs. 4250-4460', 20 sxs. 165-240', 10 sxs. at surface.

State "AJ" #2
NW/4 NE/4 Sec. 17-18S-34E B
Lea County, New Mexico

SURFACE

500

1000

1500

2000

2500

3000

3500

4000

4500

5000

5500

6000

6500

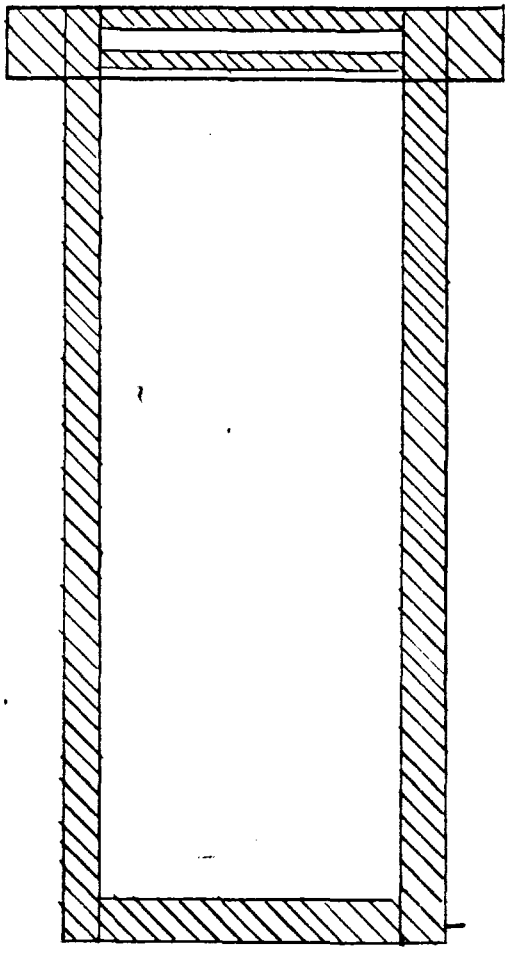
7000

7500

8000

8500

9000



8-5/8" surface casing set at 336' with cement circulated

20 sxs. 165-240

5-1/2" production casing set at 4495' with top of cement 12' from surface

20 sxs. 4250-4460'

Perforations 4463-4469'

Cement

WELL DATA SHEET

OPERATOR: Seely Oil Company LEASE: Santa Fe State

WELL NO.: 1 FOOTAGE: 330' FNL & 2310' FWL SECTION: 17-18S-34E C

TUBULAR DATA

SURFACE CASING

SIZE: 8-5/8" 24# CEMENTED WITH: 800 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 11" SETTING DEPTH: 1659'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 4-1/2" 10.5# CEMENTED WITH: 350 SX.
TOC: 3400 (estimated) FEET DETERMINED BY: Calculation
HOLE SIZE: 7-7/8" SETTING DEPTH: 4820

TOTAL DEPTH: 4820'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates Seven Rivers Queen
SPUD DATED: 1/5/85 COMPLETION DATE: 11/8/85
PERFORATED: 4462 FEET TO 4692 FEET

STIMULATION: 20,200 gallons gel & 32,000# sand

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Pumping Oil Well

IF P&A, LIST PLUGGING DETAILS:

WELL DATA SHEET

OPERATOR: The Ohio Oil Co. LEASE: State EKA

WELL NO.: 6 FOOTAGE: 330' FNL & 1650' FWL SECTION: 17-18S-34E C

TUBULAR DATA

SURFACE CASING

SIZE: 10-3/4" 32.75# CEMENTED WITH: 250 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 13-3/4" SETTING DEPTH: 380.83'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 5-1/2" 15.5# CEMENTED WITH: 650 SX.
TOC: 2700 FEET DETERMINED BY: Temp. Survey
HOLE SIZE: 8-3/4" SETTING DEPTH: 4516.50'

TOTAL DEPTH: 4517'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates Seven Rivers Queen
SPUD DATED: 8/24/56 COMPLETION DATE: 10/2/56
PERFORATED: 4444 FEET TO 4464 FEET

STIMULATION: 500 gallons mud acid, 10,000 gallons oil & 10,000 sand.

OTHER PERFORATED ZONES: None

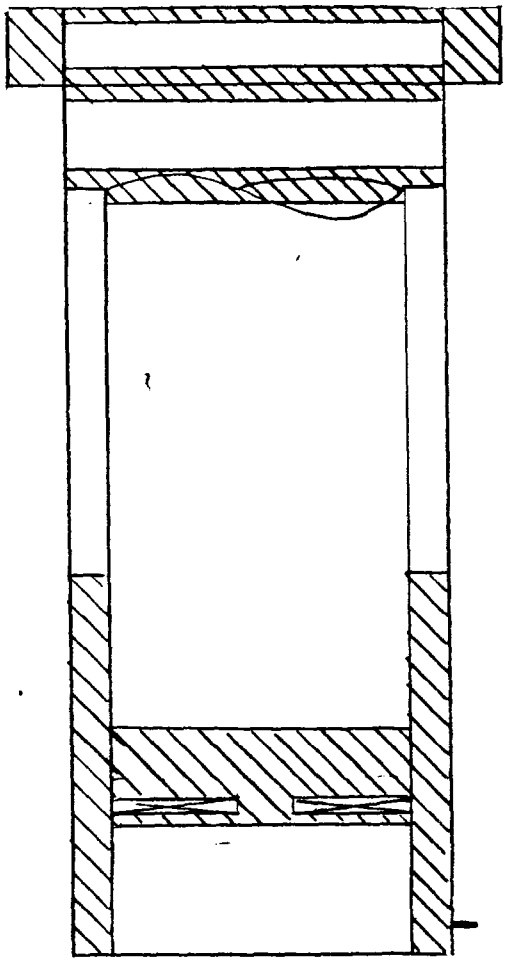
CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: Cement retainer at 3818', spotted 50 sxs. below retainer and 50 sxs. above retainer. Tagged cement at 3431. Cut & pulled casing from 778'. 50 sxs. at 817', 50 sxs. at 408', 10 sxs. surface plug.

State EKA #6
NE/4 NW/4 Sec. 17-18S-34E C
Lea County, New Mexico

SURFACE
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
6500
7000
7500
8000
8500
9000



10-3/4" surface casing set at 380.83' with cement circulated

50 sxs. 308-408'

50 sxs. 717-817'
Cut and pulled casing from 778'

Top of cement at 2700'

Top of cement inside casing at 3431'

Cement retainer at 3818'
50 sxs. cement below retainer

Perforations 4444-4464'

5-1/2 production casing set at 4516.5'

WELL DATA SHEET

OPERATOR: Seely Oil Company LEASE: State AJ

WELL NO.: 1 FOOTAGE: 660' FNL & 661.5' FWL SECTION: 17-18S-34E D

TUBULAR DATA

SURFACE CASING

SIZE: 8-5/8" 24# CEMENTED WITH: 200 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 12-1/4" SETTING DEPTH: 254'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 5-1/2" 15.5# CEMENTED WITH: 1200 SX.
TOC: 1800 (estimated) FEET DETERMINED BY: Calculation
HOLE SIZE: 7-7/8" SETTING DEPTH: 4490'

TOTAL DEPTH: 4490'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates Seven Rivers Queen
SPUD DATED: 2/26/86 COMPLETION DATE: 4/7/86
PERFORATED: 4434 FEET TO 4446 FEET

STIMULATION: 500 gallons acid, 10,000 gallons & 10,000# sand

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Pumping oil well

IF P&A, LIST PLUGGING DETAILS:

97.

WELL DATA SHEET

OPERATOR: The Ohio Company LEASE: State EKA

WELL NO.: 5 FOOTAGE: 660' FWL & 1980' FNL SECTION: 17-18S-34E E

TUBULAR DATA

SURFACE CASING

SIZE: 10-3/4" 32.75# CEMENTED WITH: 250 SX.
TOC: Surrace FEET DETERMINED BY: Circulation
HOLE SIZE: 13-3/4" SETTING DEPTH: 367'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

TOTAL DEPTH: 4546'

PRODUCING INTERVAL

FORMATION: None POOL OR FIELD:
SPUD DATED: COMPLETION DATE:
PERFORATED: FEET TO FEET

STIMULATION: None

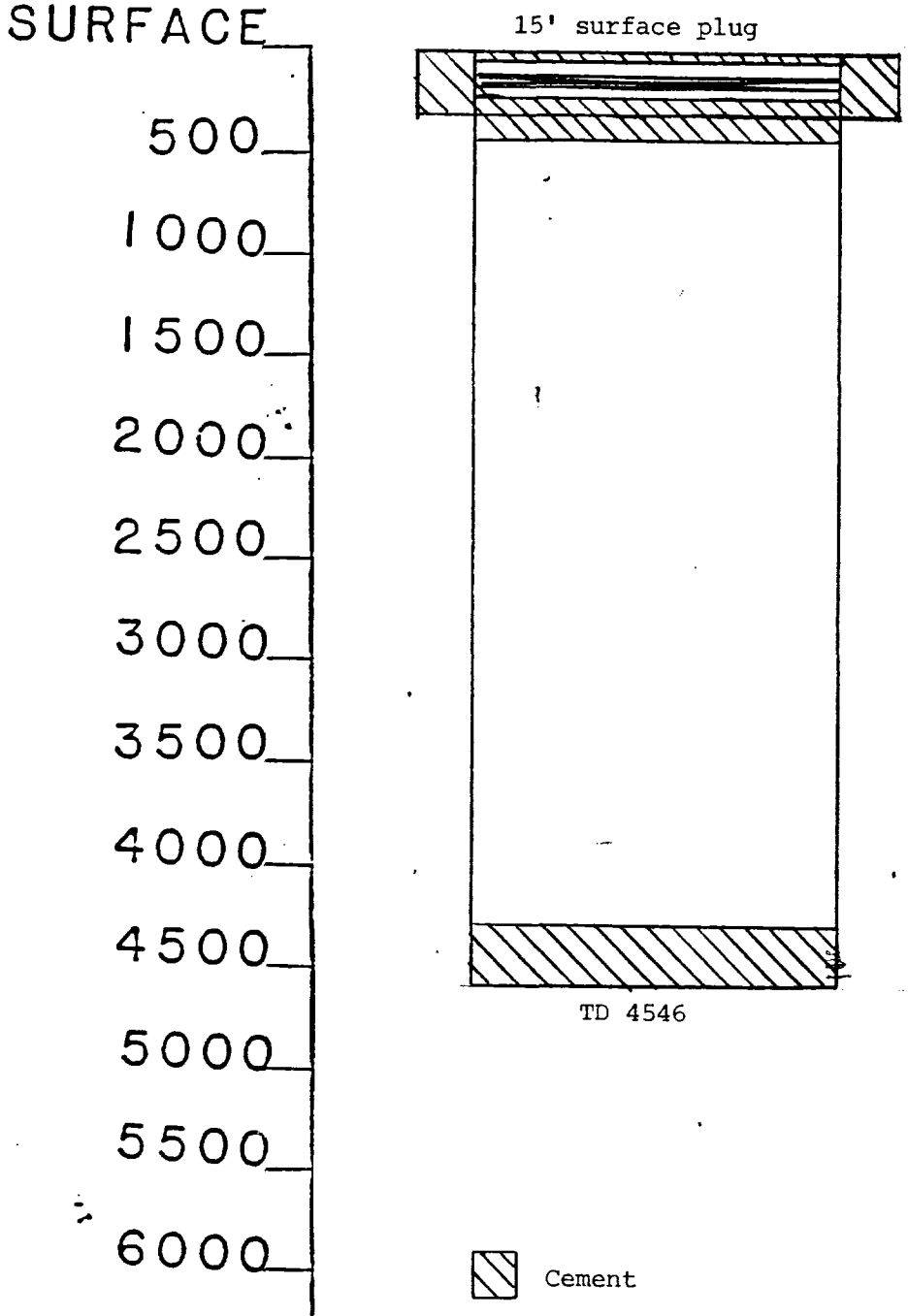
OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: 150' cement plug 4546-4396', 200' cement plug from 467-267', CIBP at 200', 15' cement plug at surface.

State EKA #5
SW/4 NW/4 Sec. 17-18S-34E E
Lea County, New Mexico



WELL DATA SHEET

OPERATOR: Seely Oil Company LEASE: Santa Fe State

WELL NO.: 2 FOOTAGE: 330' FNL & 990' FEL SECTION: 18-18S-34E A

TUBULAR DATA

SURFACE CASING

SIZE: 8-5/8" 24# CEMENTED WITH: 700 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 11" SETTING DEPTH: 1700'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 4-1/2" 10.5# CEMENTED WITH: 600 SX.
TOC: 3000 (estimated) FEET DETERMINED BY: Calculation
HOLE SIZE: 7-7/8" SETTING DEPTH: 4800'

TOTAL DEPTH: 4800'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates Seven Rivers Queen
SPUD DATED: 1/12/86 COMPLETION DATE: 8/1/86
PERFORATED: 4400 FEET TO 4414 FEET

STIMULATION: 1000 gallons acid, 19,000 gallons & 21,000# sand

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Pumping oil well

IF P&A, LIST PLUGGING DETAILS:

WELL DATA SHEET

OPERATOR: Marathon Oil Company LEASE: State EKA

WELL NO.: 3 FOOTAGE: 660' FNL & 660' FEL SECTION: 18-18S-34E A

TUBULAR DATA

SURFACE CASING

SIZE: 10-3/4" CEMENTED WITH: 200 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 13-3/4" SETTING DEPTH: 383.04'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 7" 23# CEMENTED WITH: 400 SX.
TOC: 2700 (estimated) FEET DETERMINED BY: Calculated
HOLE SIZE: 8-3/4" SETTING DEPTH: 4489'

TOTAL DEPTH: 4490'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates Seven Rivers Queen
SPUD DATED: 2/14/56 COMPLETION DATE: 3/15/56
PERFORATED: 4414 FEET TO 4426 FEET

STIMULATION: 500 gallons acid, 10,000 gallons lease oil and 10,000# sand

OTHER PERFORATED ZONES: None

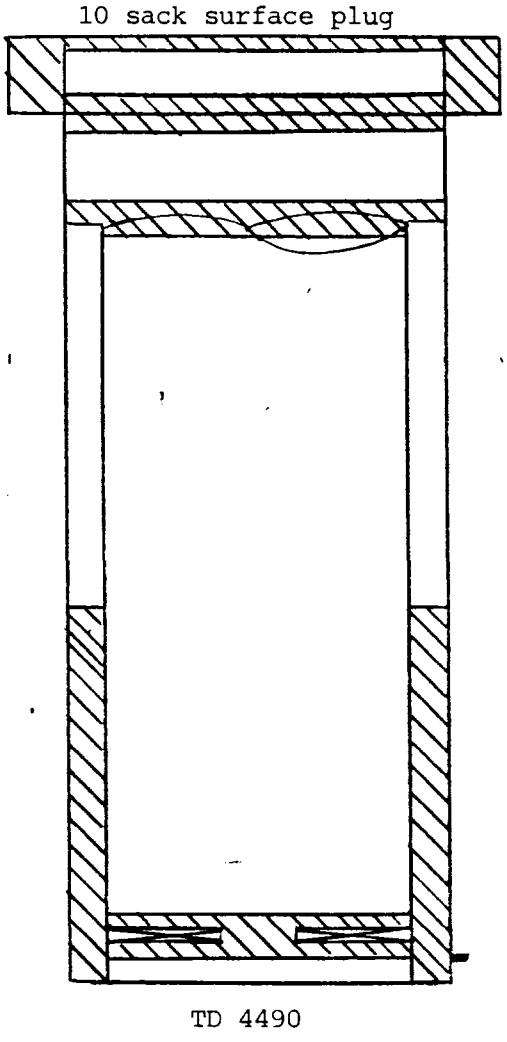
CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: Cement retainer at 4350' with 40 sxs. below and 10 sxs. above retainer. Cut and pulled casing at 789', 50 sxs. at 655-755', 50 sxs. 340-440', 10 sxs. surface plug.

State EKA #3
NE/4 NE/4 Sec. 18-18S-34E A
Lea County, New Mexico

SURFACE
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
6500
7000
7500
8000
8500



10-3/4 surface casing set at 383.04 with cement circulated

50 sxs. 340-440'

50 sxs. 655-755'

Casing cut and pulled from 789'

Top of cement calculated at 2700'

Cement retainer set at 4350' with 40 sxs. below retainer and 10 sxs. above retainer

Perforations 4414-4426'

7" production casing set at 4489'

Cement

WELL DATA SHEET

OPERATOR: Marathon Oil Company LEASE: State EKA

WELL NO.: 2 FOOTAGE: 660' FNL & 1980' FEL SECTION: 18-18S-34E B

TUBULAR DATA

SURFACE CASING

SIZE: 10-3/4" 40.5# CEMENTED WITH: 200 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 13-3/4" SETTING DEPTH: 348'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 7" 23# CEMENTED WITH: 375 SX.
TOC: 2800 (estimated) FEET DETERMINED BY: Calculation
HOLE SIZE: 8-3/4" SETTING DEPTH: 4489'

TOTAL DEPTH: 4490'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates Seven Rivers Queen
SPUD DATED: 9/26/55 COMPLETION DATE: 10/31/55
PERFORATED: 4430 FEET TO 4440 FEET

STIMULATION: 500 gallons acid, 10,000 gallons oil & 10,000# sand

OTHER PERFORATED ZONES: None

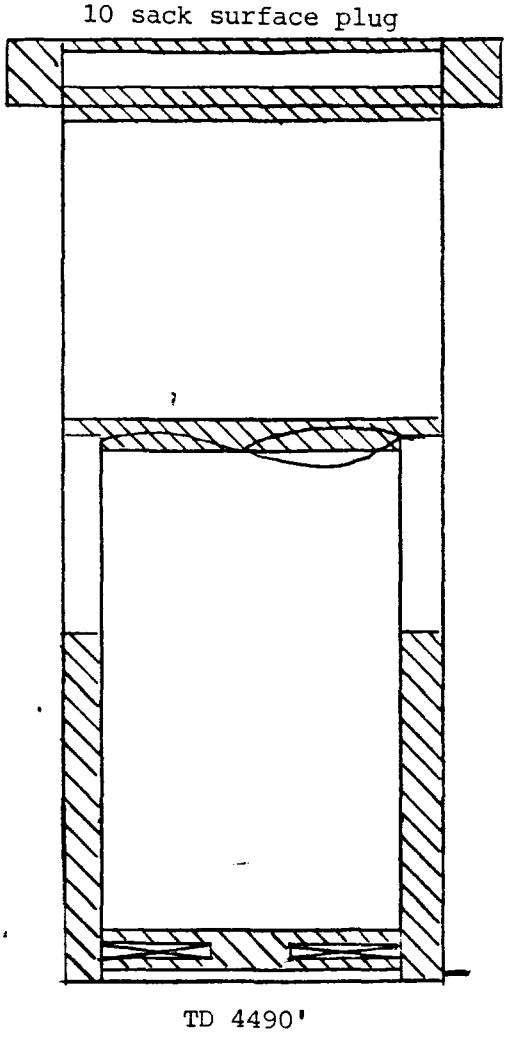
CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: Cement retainer at 4350' with 40 sxs. below the retainer and 10 sxs. above retainer. Cut & pulled casing from 1884', 50 sxs. 1934-1834', 50 sxs. 430-330', 10 sxs. surface plug.

State EKA #2
NW/4 NE/4 Sec. 18-18S-34E B
Lea County, New Mexico

SURFACE
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
6500
7000
7500
8000
8500



10-3/4" surface casing set at 348' with cement circulated

50 sxs. 330-430'

Cut and pull casing from 1884'
50 sxs. 1834-1934'

Top of cement in annulus at 2800 (estimated)

Cement retainer set at 4350' with 40 sxs. below retainer and 10 sxs. above retainer

Perforations 4430-4440'

7" production casing set at 4489'

Cement

WELL DATA SHEET

OPERATOR: T. J. Sivley LEASE: Fox

WELL NO.: 3 FOOTAGE: 330' FNL & 2370' FWL SECTION: 18-18S-34E C

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 40# CEMENTED WITH: 220 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: Unknown SETTING DEPTH: 240

INTERMEDIATE CASING

SIZE: 8-5/8" CEMENTED WITH: Mudded SX.
TOC: None FEET DETERMINED BY: None
HOLE SIZE: Unknown SETTING DEPTH: 1775'

LONG STRING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

TOTAL DEPTH: 4450'

PRODUCING INTERVAL

FORMATION: None POOL OR FIELD:
SPUD DATE: COMPLETION DATE:
PERFORATED: FEET TO FEET

STIMULATION: None

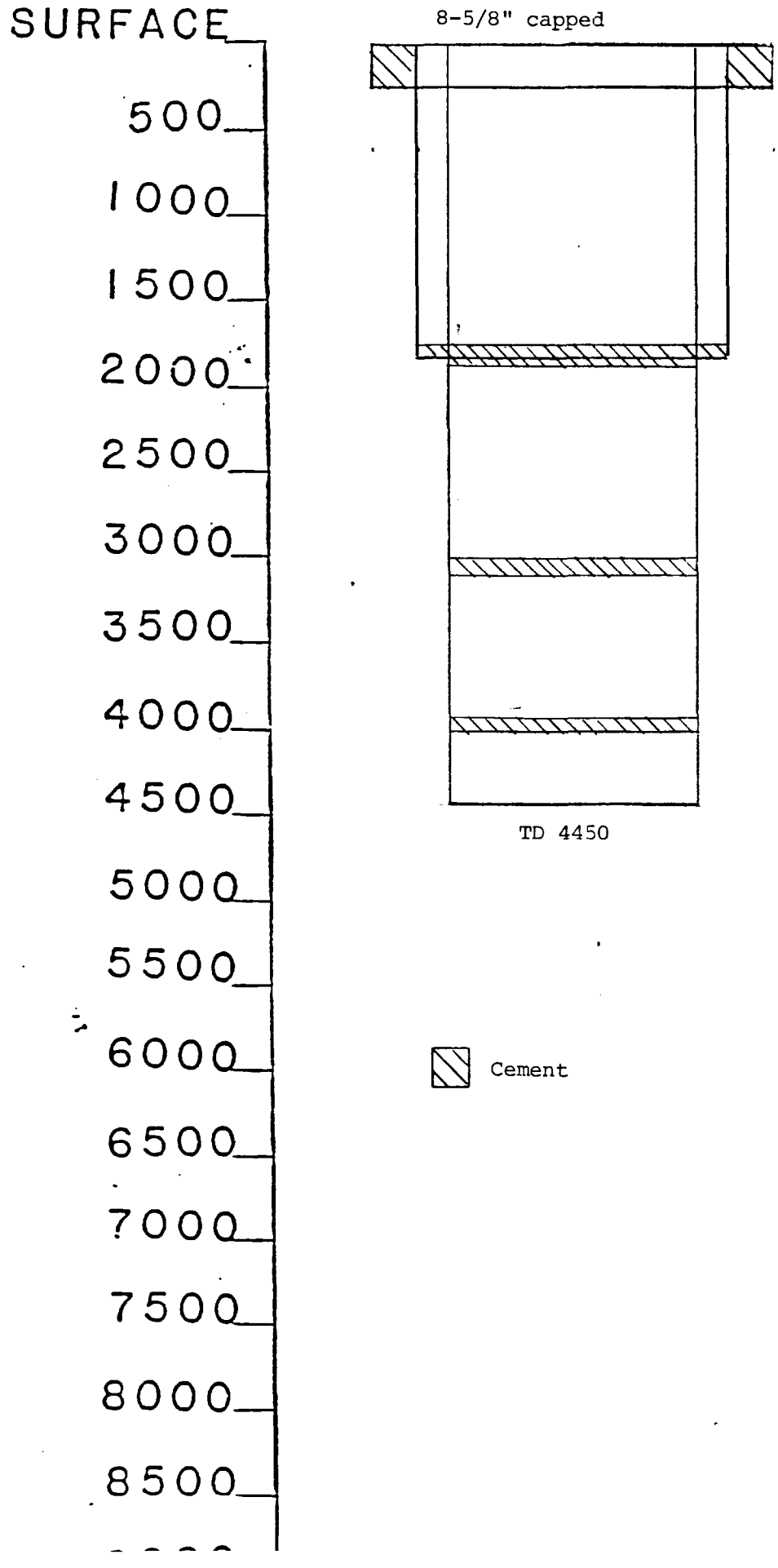
OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: 10 sxs. at 4000', 20 sxs. at 3100', 20 sxs. at 1800', 8-5/8" casing was capped.

Fox #3
NE/4 NW/4 Sec. 18-18S-34E C
Lea County, New Mexico



WELL DATA SHEET

OPERATOR: T. J. Sivley LEASE: Fox

WELL NO.: 2 FOOTAGE: 660' FNL & 660' FWL SECTION: 18-18S-34E D

TUBULAR DATA

SURFACE CASING

SIZE: 8-5/8" 24# CEMENTED WITH: 175 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: Unknown SETTING DEPTH: 299'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

TOTAL DEPTH: 4441'

PRODUCING INTERVAL

FORMATION: None POOL OR FIELD:
SPUD DATE: COMPLETION DATE:
PERFORATED: FEET TO FEET

STIMULATION: None

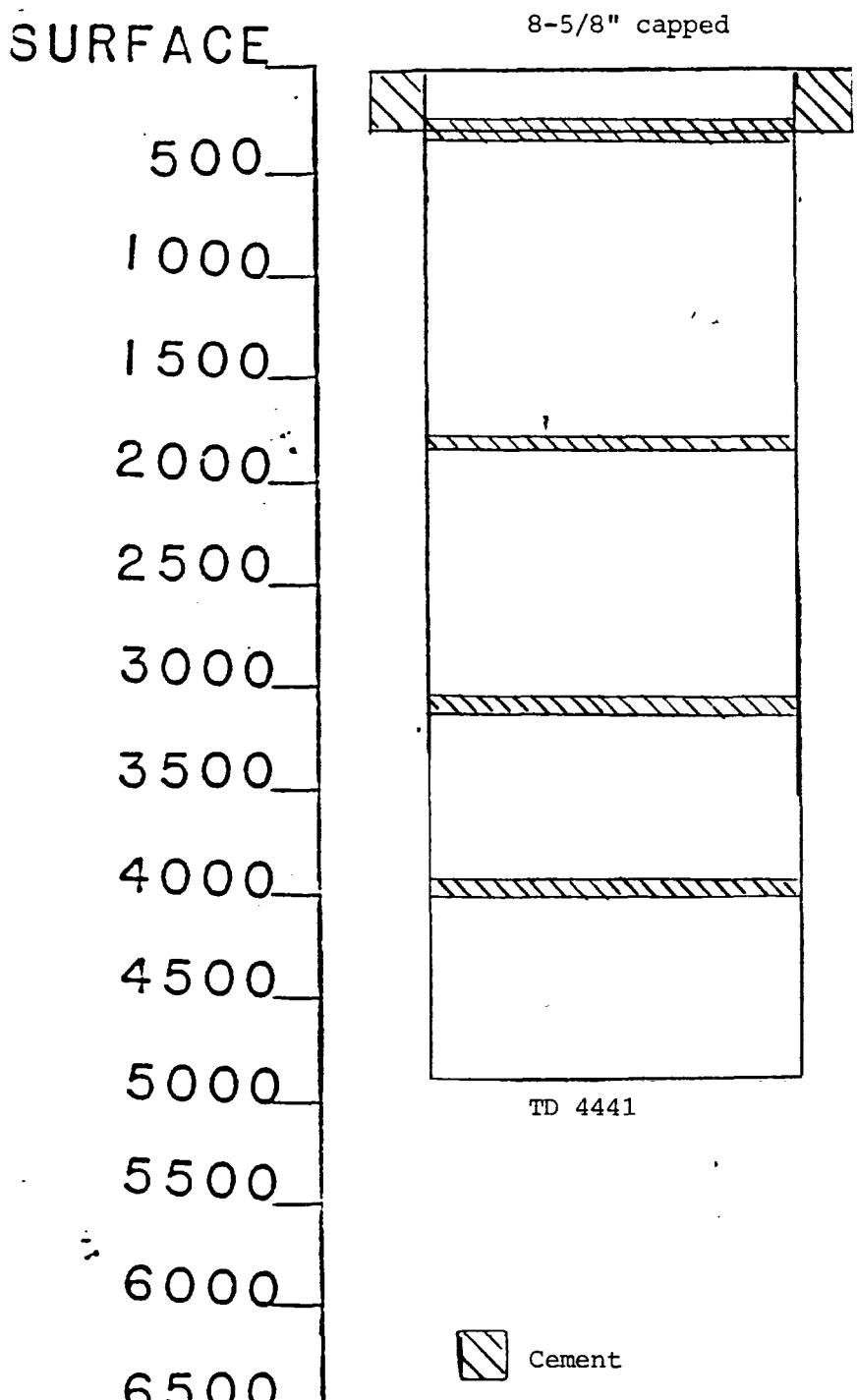
OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: 20 sxs. at 4000', 20 sxs. at 3100', 20 sxs. at 1800', 15 sxs. at 330', cap put in 9-5/8" casing.

Fox #2
NW/4 NW/4 Sec. 18-18S-34E D
Lea County, New Mexico



3-5/8" surface casing set at 299' with cement circulated

15 sxs. at 330'

20 sxs. at 1800'

20 sxs. at 3100'

20 sxs. at 4000'

WELL DATA SHEET

OPERATOR: Oryx LEASE: Mescalero Ridge "C" Federal

WELL NO.: 1 FOOTAGE: 330' FNL & 330' FWL SECTION: 18-18S-34E D

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 48# CEMENTED WITH: 375 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/4" SETTING DEPTH: 365'

INTERMEDIATE CASING

SIZE: 8-5/8" 24 & 28# CEMENTED WITH: 1050 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 12-1/4" SETTING DEPTH: 3300'

LONG STRING

SIZE: 5-1/2" 15.5 & 17# CEMENTED WITH: 1950 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 7-7/8" SETTING DEPTH: 9180'

TOTAL DEPTH: 9180'

PRODUCING INTERVAL

FORMATION: Bone Springs POOL OR FIELD: Mescalero Escarpe Bone Springs
SPUD DATE: 9/20/85 COMPLETION DATE: 12/9/85
PERFORATED: 8772 FEET TO 8890 FEET

STIMULATION: 7000 gallons of acid, 34,000 gallons Versagel and 34,500# sand and 270,000 SCF nitrogen

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Pumping oil well

IF P&A, LIST PLUGGING DETAILS:

WELL DATA SHEET

OPERATOR: Santa Fe Exploration LEASE: E-K Queen Unit Tract 4

WELL NO.: 1 FOOTAGE: 1980' FNL & 660' FWL SECTION: 18-18S-34E E

TUBULAR DATA

SURFACE CASING

SIZE: 8-5/8" 24# CEMENTED WITH: Unknown SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: Unknown SETTING DEPTH: 1760'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 5-1/2" 15.5# CEMENTED WITH: 100 SX.
TOC: 3800 (estimated) FEET DETERMINED BY: Calculation
HOLE SIZE: 7-7/8" SETTING DEPTH: 4373'

TOTAL DEPTH: 4413'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates-Seven Rivers-Queen
SPUD DATE: 12/20/54 COMPLETION DATE: 2/13/55
~~PERFORATED~~: Open Hole 4373' FEET TO 4413 FEET

STIMULATION: None

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Active water injection well

IF P&A, LIST PLUGGING DETAILS:

WELL DATA SHEET

OPERATOR: Santa Fe Exploration Co. LEASE: Amoco-State

WELL NO.: 1 FOOTAGE: 1980' FNL & 660' FEL SECTION: 18-18S-34E H

TUBULAR DATA

SURFACE CASING

SIZE: 13-3/8" 54.5# CEMENTED WITH: 425 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 17-1/2" SETTING DEPTH: 409'

INTERMEDIATE CASING

SIZE: 8-5/8" 32# CEMENTED WITH: 2700 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 12-1/4" SETTING DEPTH: 5249'

LONG STRING

SIZE: 5-1/2" 17# CEMENTED WITH: 1050 SX.
TOC: 5000 FEET DETERMINED BY: Temp. Survey
HOLE SIZE: 7-7/8" SETTING DEPTH: 14,000'

TOTAL DEPTH: 14,002'

PRODUCING INTERVAL

FORMATION: Bone Springs POOL OR FIELD: Mescalero Escarpe Bone Springs
SPUD DATED: 3/30/83 COMPLETION DATE: 10/9/84
PERFORATED: 8576 FEET TO 8588 FEET

STIMULATION: 200 gallons 15% NEFE, 2000 gallons 15% MSR with 800 STF nitrogen/lb.

OTHER PERFORATED ZONES: Morrow 13,446-13,686' acidized w/3600 gals; Wolfcamp 10,728-11,170' acidized w/8000 gals; Bone Springs 10,443-10,485' & 9682-9699' acidized w/11,000 gals & squeezed w/100 sxs; 8440-8470' & 8682-9036' acidized w/9500 gals. & squeezed w/200 sxs; Queen 4420-4450' acidized w/4000 gals.

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Temporarily abandoned

IF P&A, LIST PLUGGING DETAILS:

WELL DATA SHEET

OPERATOR: Santa Fe Exploration Inc. LEASE: Lee Ranch

WELL NO.: 1 FOOTAGE: 1650' FSL & 660' FEL SECTION: 18-18S-34E I

TUBULAR DATA

SURFACE CASING

SIZE: 8-5/8" 24# CEMENTED WITH: 700 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 12-1/4" SETTING DEPTH: 1693'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

TOTAL DEPTH: 4850'

PRODUCING INTERVAL

FORMATION: None POOL OR FIELD: E-K Yates-Seven Rivers-Queen
SPUD DATED: 9/7/85 COMPLETION DATE: 9/17/85
PERFORATED: FEET TO FEET

STIMULATION: None

OTHER PERFORATED ZONES: None

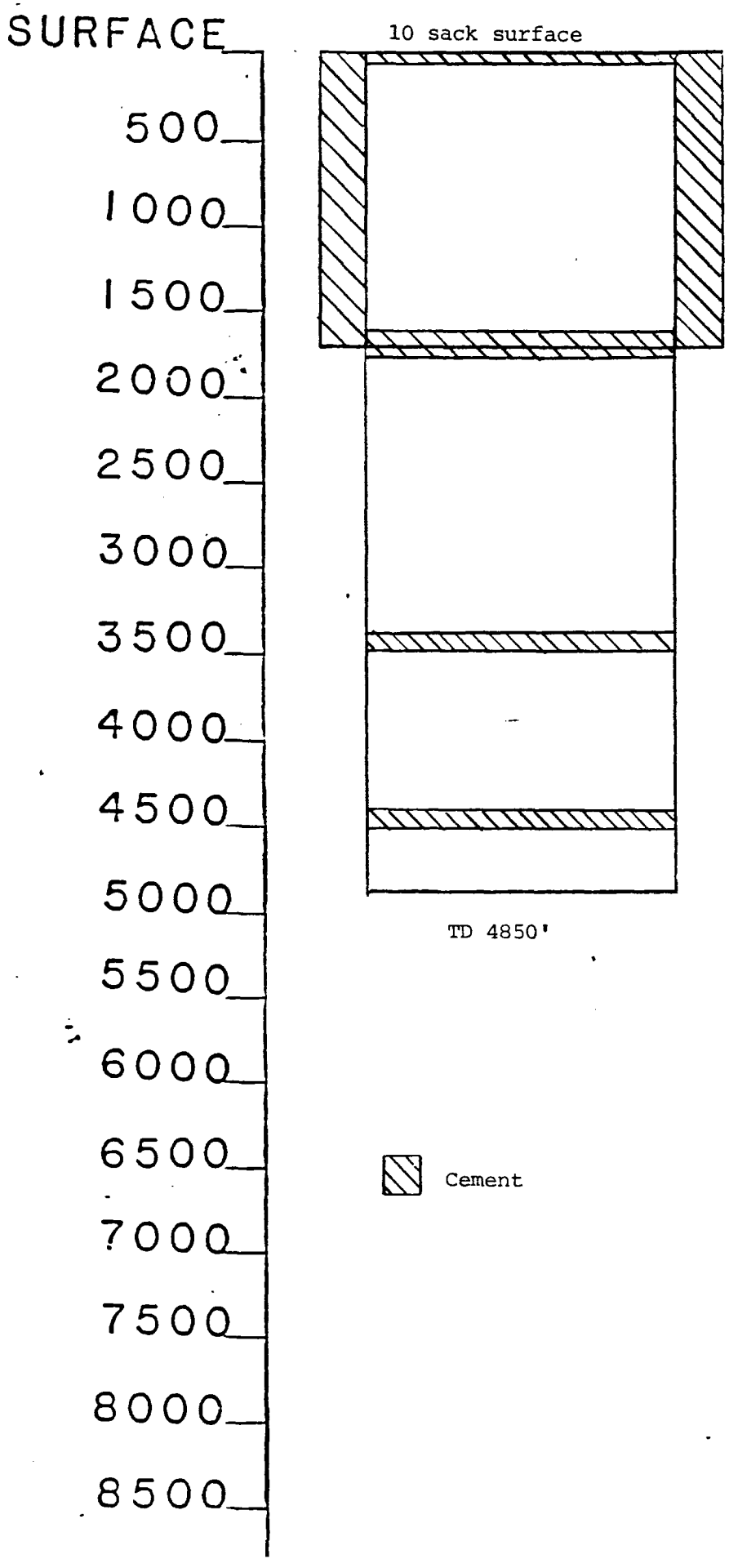
CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: 40 sxs. 4400-4500', 40 sxs. 3400-3500', 40 sxs. 1643-1743', 10' sxs. surface plug.

Lee Ranch #1
NE/4 SE/4 Sec. 18-18S-34E
Lea County, New Mexico

I



WELL DATA SHEET

OPERATOR: Santa Fe Exploration Inc. LEASE: E-K Queen Unit Tract 9

WELL NO.: 1 FOOTAGE: 1980' FSL & 1980' FEL SECTION: 18-18S-34E J

TUBULAR DATA

SURFACE CASING

SIZE: 10-3/4" 32.75# CEMENTED WITH: 200 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: 13-3/8" SETTING DEPTH: 375'

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 7" 23# CEMENTED WITH: 380 SX.
TOC: 3000 (estimated) FEET DETERMINED BY: Calculation
HOLE SIZE: 8-3/4" SETTING DEPTH: 4539'

TOTAL DEPTH: 4680'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates-Seven Rivers-Queen
SPUD DATE: 6/24/55 COMPLETION DATE: 7/27/55
PERFORATED: 4472 FEET TO 4480 FEET

STIMULATION: 10,000 gallons oil and 10,000# sand

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? P&A

IF P&A, LIST PLUGGING DETAILS: Cement retainer at 4380' & squeezed perfs. w/70 sxs. cement below retainer & 6 sxs. above retainer w/TOC @ 4230', 20 sxs. 3200-3320', perf. 4 holes @ 425', cement w/425 sxs., top of cement at 329', 10 sxs. surface plug @ 60'.

E-K Queen Unit Tract 9 #1
NW/4 SE/4 Sec. 18-18S-34E J
Lea County, New Mexico

10-3/4" surface casing set at 375' with cement circulated

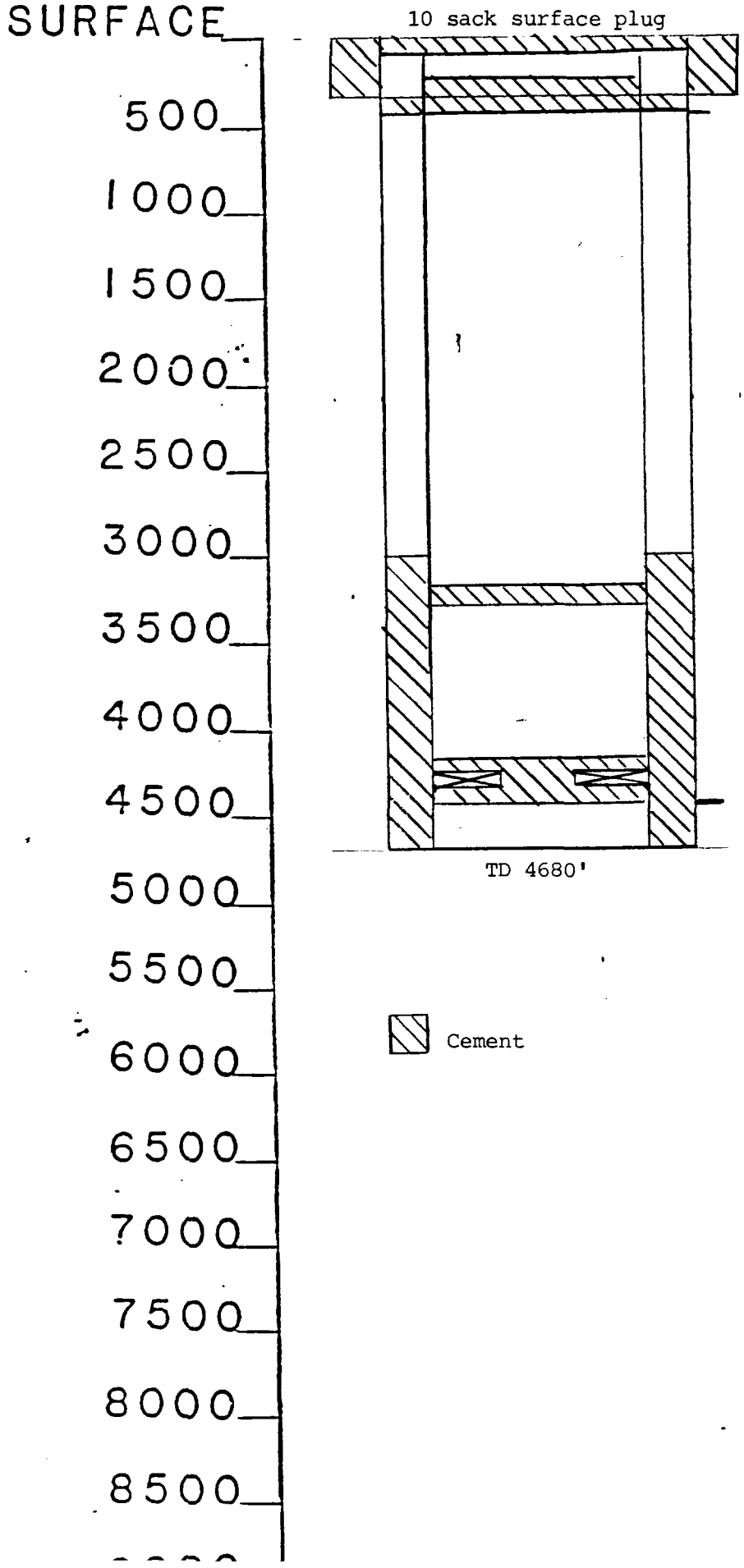
4 squeeze holes at 425', cemented with 425 sxs. with top of cement inside casing at 329'

Top of cement in annulus estimated to be 3000'
20 sxs. 3200-3320'

Cement retainer at 4380' with 70 sxs. below retainer and 6 sxs. above retainer. Tagged cement at 4230'.

Perforations 4472-4480'

7" production casing set at 4539'



WELL DATA SHEET

OPERATOR: Santa Fe Exploration Inc. LEASE: E-K Queen Unit Tract 3

WELL NO.: 2 FOOTAGE: 1980' FSL & 1980' FSL SECTION: 18-18S-34E K

TUBULAR DATA

SURFACE CASING

SIZE: 8-5/8" 24# CEMENTED WITH: 175 SX.
TOC: Surface FEET DETERMINED BY: Circulation
HOLE SIZE: Unknown SETTING DEPTH: 311

INTERMEDIATE CASING

SIZE: None CEMENTED WITH: SX.
TOC: FEET DETERMINED BY:
HOLE SIZE: SETTING DEPTH:

LONG STRING

SIZE: 5-1/2" 14# CEMENTED WITH: 525 SX.
TOC: Unknown FEET DETERMINED BY: Unknown
HOLE SIZE: Unknown SETTING DEPTH: 4509

TOTAL DEPTH: 4510'

PRODUCING INTERVAL

FORMATION: Queen POOL OR FIELD: E-K Yates-Seven Rivers-Queen
SPUD DATE: 8/28/55 COMPLETION DATE: 9/23/55
PERFORATED: 4440 FEET TO 4480 FEET

STIMULATION: Unknown

OTHER PERFORATED ZONES: None

CURRENT STATUS

WHAT IS CURRENT STATUS OF WELL? Active water injection well

IF P&A, LIST PLUGGING DETAILS:

TRETOLIT

Chemicals and Services

16010 Barker's Point Lane • Houston, Texas 77079
713 558-5200 • Telex: 4620346 • FAX: 713 589-4737

Reply to: P.O. Box FF
Artesia, New Mexico 88210
(505) 746-3588 Phone
(505) 746-3580 Fax

SEELY 10

10647 AND 10648

WATER ANALYSIS REPORT

Company : SEELY OIL CO.
Address : ARTESIA, NEW MEXICO
Lease : F WATER - WASSERHUND
Well : EDISON STATION
Sample Pt. : LOAD RACK

Date : 02/17/93
Date Sampled : 02/17/93
Analysis No. : 029

	ANALYSIS		mg/L		* meq/L
1.	pH	7.5			
2.	H2S	NEG			
3.	Specific Gravity	1.000			
4.	Total Dissolved Solids		1109.7		
5.	Suspended Solids		NR		
6.	Dissolved Oxygen		NR		
7.	Dissolved CO2		NR		
8.	Oil In Water		NR		
9.	Phenolphthalein Alkalinity (CaCO3)				
10.	Methyl Orange Alkalinity (CaCO3)				
11.	Bicarbonate	HCO3	2.0	HCO3	0.0
12.	Chloride	Cl	746.0	Cl	21.0
13.	Sulfate	SO4	70.0	SO4	1.5
14.	Calcium	Ca	800.0	Ca	39.9
15.	Magnesium	Mg	122.0	Mg	10.0
16.	Sodium (calculated)	Na	-630.4	Na	-27.4
17.	Iron	Fe	0.1		
18.	Barium	Ba	NR		
19.	Strontium	Sr	NR		
20.	Total Hardness (CaCO3)		2500.0		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter

40	*Ca <----- *HCO3	0
	/------->	
10	*Mg -----> *SO4	1
	<----------/	
-27	*Na -----> *Cl	21

Compound	Equiv wt	X meq/L	=
Ca(HCO3)2	81.0	0.0	
CaSO4	68.1	1.5	
CaCl2	55.5	21.0	1
Mg(HCO3)2	73.2		
MgSO4	60.2		
MgCl2	47.6		
NaHCO3	84.0		
Na2SO4	71.0		
NaCl	58.4		

Saturation Values Dist. Water 20 C
CaCO3 13 mg/L
CaSO4 * 2H2O 2090 mg/L
BaSO4 2.4 mg/L

REMARKS:
S. HOLLINGER / FILE

Petrolite Oilfield Chemicals Group

Respectfully submitte
STEVE HOLLINGER

PETROLITE

SCALE TENDENCY REPORT

Company	: SEELY OIL CO.	Date	: 02/17/93
Address	: ARTESIA, NEW MEXICO	Date Sampled	: 02/17/93
Lease	: F WATER - WASSERHUND	Analysis No.	: 029
Well	: EDISON STATION	Analyst	: STEVE HOLLINGER
Sample Pt.	: LOAD RACK		

STABILITY INDEX CALCULATIONS
(Stiff-Davis Method)
CaCO3 Scaling Tendency

S.I. =	-1.0	at	60 deg. F or	16	deg. C
S.I. =	-1.0	at	80 deg. F or	27	deg. C
S.I. =	-0.9	at	100 deg. F or	38	deg. C
S.I. =	-0.9	at	120 deg. F or	49	deg. C
S.I. =	-0.8	at	140 deg. F or	60	deg. C

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CALCIUM SULFATE SCALING TENDENCY CALCULATIONS
(Skillman-McDonald-Stiff Method)
Calcium Sulfate

S =	699	at	60 deg. F or	16	deg C
S =	727	at	80 deg. F or	27	deg C
S =	728	at	100 deg. F or	38	deg C
S =	721	at	120 deg. F or	49	deg C
S =	711	at	140 deg. F or	60	deg C

Petrolite Oilfield Chemicals Group

Respectfully submitted
STEVE HOLLINGER

TRETOLITE

16010 Barker's Point Lane. Suite 450
Houston. Texas 77079-4021
713 558-5200 • Fax: 713 589-4737

Reply to: P.O. Box 5250
Hobbs. New Mexico 88241
505 392-6711 Phone
505 392-3759 Fax

WATER ANALYSIS REPORT

Company	: SEELY OIL CO.	Date	: 2-16-93
Address	: ARTESIA, NM	Date Sampled	: 2-16-93
Lease	: AMOCO ST.	Analysis No.	: 260
Well	: # 1		
Sample Pt.	: BATTERY		

	ANALYSIS		mg/L		* meq/L
1.	pH	6.7			
2.	H2S	POSITIVE			
3.	Specific Gravity	1.145			
4.	Total Dissolved Solids		241247.2		
5.	Suspended Solids		NR		
6.	Dissolved Oxygen		NR		
7.	Dissolved CO2		NR		
8.	Oil In Water		NR		
9.	Phenolphthalein Alkalinity (CaCO3)				
10.	Methyl Orange Alkalinity (CaCO3)		194.0		
11.	Bicarbonate	HCO3	236.7	HCO3	3.9
12.	Chloride	Cl	147639.3	Cl	4164.7
13.	Sulfate	SO4	700.0	SO4	14.6
14.	Calcium	Ca	13539.0	Ca	675.6
15.	Magnesium	Mg	1692.0	Mg	139.2
16.	Sodium (calculated)	Na	77439.0	Na	3368.4
17.	Iron	Fe	1.2		
18.	Barium	Ba	NR		
19.	Strontium	Sr	NR		
20.	Total Hardness (CaCO3)		40776.7		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter

676	*Ca <----- *HCO3	4
	/------->	
139	*Mg -----> *SO4	15
	<----------/	
3368	*Na -----> *Cl	4165

Saturation Values Dist. Water 20 C

CaCO3	13 mg/L
CaSO4 * 2H2O	2090 mg/L
BaSO4	2.4 mg/L

Compound	Equiv wt	X meq/L	= mg
Ca(HCO3)2	81.0	3.9	31
CaSO4	68.1	14.6	99
CaCl2	55.5	657.1	3646
Mg(HCO3)2	73.2		
MgSO4	60.2		
MgCl2	47.6	139.2	662
NaHCO3	84.0		
Na2SO4	71.0		
NaCl	58.4	3368.4	19684

REMARKS:
STEVE HOLLINGER / FILE

Petrolite Oilfield Chemicals Group

Respectfully submitted,
ROZANNE JOHNSON

PETROLITE

SCALE TENDENCY REPORT

Company	: SEELY OIL CO.	Date	: 2-16-93
Address	: ARTESIA, NM	Date Sampled	: 2-16-93
Lease	: AMOCO ST.	Analysis No.	: 260
Well	: # 1	Analyst	: ROZANNE JOHNSON
Sample Pt.	: BATTERY		

STABILITY INDEX CALCULATIONS
(Stiff-Davis Method)
CaCO3 Scaling Tendency

S.I. =	1.1	at	60 deg. F or	16	deg. C
S.I. =	1.1	at	80 deg. F or	27	deg. C
S.I. =	1.1	at	100 deg. F or	38	deg. C
S.I. =	1.2	at	120 deg. F or	49	deg. C
S.I. =	1.2	at	140 deg. F or	60	deg. C

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CALCIUM SULFATE SCALING TENDENCY CALCULATIONS
(Skillman-McDonald-Stiff Method)
Calcium Sulfate

S =	1067	at	60 deg. F or	16	deg C
S =	1184	at	80 deg. F or	27	deg C
S =	1259	at	100 deg. F or	38	deg C
S =	1292	at	120 deg. F or	49	deg C
S =	1314	at	140 deg. F or	60	deg C

Petrolite Oilfield Chemicals Group

Respectfully submitted,
ROZANNE JOHNSON

TRETOLITE

PETROLITE

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Reply to: P.O. Box 5250
Hobbs, New Mexico 88241
505 392-6711 Phone
505 392-3759 Fax

WATER ANALYSIS REPORT

Company	: SEELY OIL CO.	Date	: 2-16-93
Address	: ARTESIA, NM	Date Sampled	: 2-16-93
Lease	: RHOADS	Analysis No.	: 261
Well	: # 1		
Sample Pt.	: BATTERY		

	ANALYSIS		mg/L		* meq/L
1.	pH	7.3			
2.	H2S	POSITIVE			
3.	Specific Gravity	1.175			
4.	Total Dissolved Solids		292923.7		
5.	Suspended Solids		NR		
6.	Dissolved Oxygen		NR		
7.	Dissolved CO2		NR		
8.	Oil In Water		NR		
9.	Phenolphthalein Alkalinity (CaCO3)				
10.	Methyl Orange Alkalinity (CaCO3)		781.0		
11.	Bicarbonate	HCO3	952.8	HCO3	15.6
12.	Chloride	Cl	178351.6	Cl	5031.1
13.	Sulfate	SO4	950.0	SO4	19.8
14.	Calcium	Ca	18204.3	Ca	908.4
15.	Magnesium	Mg	1487.8	Mg	122.4
16.	Sodium (calculated)	Na	92780.2	Na	4035.7
17.	Iron	Fe	197.0		
18.	Barium	Ba	NR		
19.	Strontium	Sr	NR		
20.	Total Hardness (CaCO3)		51586.4		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter

908	*Ca <----- *HCO3	16
	/------->	
122	*Mg -----> *SO4	20
	<----------/	
4036	*Na -----> *Cl	5031

Saturation Values Dist. Water 20 C

CaCO3	13 mg/L
CaSO4 * 2H2O	2090 mg/L
BaSO4	2.4 mg/L

Compound	Equiv wt	X meq/L	= mg
Ca(HCO3)2	81.0	15.6	126
CaSO4	68.1	19.8	134
CaCl2	55.5	873.0	4844
Mg(HCO3)2	73.2		
MgSO4	60.2		
MgCl2	47.6	122.4	582
NaHCO3	84.0		
Na2SO4	71.0		
NaCl	58.4	4035.7	2358

REMARKS:
STEVE HOLLINGER / FILE

Petrolite Oilfield Chemicals Group

Respectfully submitted
ROZANNE JOHNSON

PETROLITE

SCALE TENDENCY REPORT

Company	: SEELY OIL CO.	Date	: 2-16-93
Address	: ARTESIA, NM	Date Sampled	: 2-16-93
Lease	: RHOADS	Analysis No.	: 261
Well	: # 1	Analyst	: ROZANNE JOHNSON
Sample Pt.	: BATTERY		

STABILITY INDEX CALCULATIONS
(Stiff-Davis Method)
CaCO3 Scaling Tendency

S.I. =	2.6	at	60 deg. F or	16	deg. C
S.I. =	2.5	at	80 deg. F or	27	deg. C
S.I. =	2.5	at	100 deg. F or	38	deg. C
S.I. =	2.5	at	120 deg. F or	49	deg. C
S.I. =	2.6	at	140 deg. F or	60	deg. C

****

CALCIUM SULFATE SCALING TENDENCY CALCULATIONS
(Skillman-McDonald-Stiff Method)
Calcium Sulfate

S =	719	at	60 deg. F or	16	deg C
S =	800	at	80 deg. F or	27	deg C
S =	850	at	100 deg. F or	38	deg C
S =	871	at	120 deg. F or	49	deg C
S =	885	at	140 deg. F or	60	deg C

Petrolite Oilfield Chemicals Group

Respectfully submitted,
ROZANNE JOHNSON

TRETOLITE

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505 392-3759 Fax

WATER ANALYSIS REPORT

Company : SEELY OIL CO.
Address : ARTESIA, NM
Lease : B. C.
Well : # 1 & 2
Sample Pt. : BATTERY

Date : 2-16-93
Date Sampled : 2-16-93
Analysis No. : 262

	ANALYSIS		mg/L		* meq/L
1.	pH	6.8			
2.	H2S	POSITIVE			
3.	Specific Gravity	1.170			
4.	Total Dissolved Solids		279493.8		
5.	Suspended Solids		NR		
6.	Dissolved Oxygen		NR		
7.	Dissolved CO2		NR		
8.	Oil In Water		NR		
9.	Phenolphthalein Alkalinity (CaCO3)				
10.	Methyl Orange Alkalinity (CaCO3)		177.0		
11.	Bicarbonate	HCO3	215.9	HCO3	3.5
12.	Chloride	Cl	170088.2	Cl	4798.0
13.	Sulfate	SO4	1100.0	SO4	22.9
14.	Calcium	Ca	12096.1	Ca	603.6
15.	Magnesium	Mg	1225.2	Mg	100.8
16.	Sodium (calculated)	Na	94719.3	Na	4120.0
17.	Iron	Fe	49.0		
18.	Barium	Ba	NR		
19.	Strontium	Sr	NR		
20.	Total Hardness (CaCO3)		35251.7		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter

604	*Ca <----- *HCO3	4
	/------->	
101	*Mg -----> *SO4	23
	<---------/	
4120	*Na -----> *Cl	4798

Saturation Values Dist. Water 20 C

CaCO3	13 mg/L
CaSO4 * 2H2O	2090 mg/L
BaSO4	2.4 mg/L

Compound	Equiv wt	X meq/L	= mg
Ca(HCO3)2	81.0	3.5	28
CaSO4	68.1	22.9	155
CaCl2	55.5	577.2	3202
Mg(HCO3)2	73.2		
MgSO4	60.2		
MgCl2	47.6	100.8	479
NaHCO3	84.0		
Na2SO4	71.0		
NaCl	58.4	4120.0	24077

REMARKS:
STEVE HOLLINGER / FILE

Petrolite Oilfield Chemicals Group

Respectfully submitted,
ROZANNE JOHNSON

PETROLITE

SCALE TENDENCY REPORT

Company	: SEELY OIL CO.	Date	: 2-16-93
Address	: ARTESIA, NM	Date Sampled	: 2-16-93
Lease	: B. C.	Analysis No.	: 262
Well	: # 1 & 2	Analyst	: ROZANNE JOHNSON
Sample Pt.	: BATTERY		

STABILITY INDEX CALCULATIONS
(Stiff-Davis Method)
CaCO3 Scaling Tendency

S.I. =	1.2	at	60 deg. F	or	16 deg. C
S.I. =	1.2	at	80 deg. F	or	27 deg. C
S.I. =	1.2	at	100 deg. F	or	38 deg. C
S.I. =	1.2	at	120 deg. F	or	49 deg. C
S.I. =	1.2	at	140 deg. F	or	60 deg. C

****

CALCIUM SULFATE SCALING TENDENCY CALCULATIONS
(Skillman-McDonald-Stiff Method)
Calcium Sulfate

S =	1134	at	60 deg. F	or	16 deg C
S =	1258	at	80 deg. F	or	27 deg C
S =	1337	at	100 deg. F	or	38 deg C
S =	1370	at	120 deg. F	or	49 deg C
S =	1393	at	140 deg. F	or	60 deg C

Petrolite Oilfield Chemicals Group

Respectfully submitted,
ROZANNE JOHNSON

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Hobbs, New Mexico 88241
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WATER ANALYSIS REPORT

Company : SEELY OIL CO.
Address : ARTESIA, NM
Lease : O. G.
Well : # 1
Sample Pt. : BATTERY

Date : 2-16-93
Date Sampled : 2-16-93
Analysis No. : 263

	ANALYSIS		mg/L		* meq/L
1.	pH	6.6			
2.	H2S	POSITIVE			
3.	Specific Gravity	1.200			
4.	Total Dissolved Solids		339604.7		
5.	Suspended Solids		NR		
6.	Dissolved Oxygen		NR		
7.	Dissolved CO2		NR		
8.	Oil In Water		NR		
9.	Phenolphthalein Alkalinity (CaCO3)				
10.	Methyl Orange Alkalinity (CaCO3)		118.0		
11.	Bicarbonate	HCO3	144.0	HCO3	2.4
12.	Chloride	Cl	205758.5	Cl	5804.2
13.	Sulfate	SO4	1500.0	SO4	31.2
14.	Calcium	Ca	7823.6	Ca	390.4
15.	Magnesium	Mg	1132.8	Mg	93.2
16.	Sodium (calculated)	Na	123092.7	Na	5354.2
17.	Iron	Fe	153.0		
18.	Barium	Ba	NR		
19.	Strontium	Sr	NR		
20.	Total Hardness (CaCO3)		24201.8		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter

390	*Ca <----- *HCO3	2
	/------->	
93	*Mg -----> *SO4	31
	<----------/	
5354	*Na -----> *Cl	5804

Saturation Values Dist. Water 20 C

CaCO3	13 mg/L
CaSO4 * 2H2O	2090 mg/L
BaSO4	2.4 mg/L

Compound	Equiv wt	X meq/L	= mg
Ca(HCO3)2	81.0	2.4	19
CaSO4	68.1	31.2	212
CaCl2	55.5	356.8	1979
Mg(HCO3)2	73.2		
MgSO4	60.2		
MgCl2	47.6	93.2	443
NaHCO3	84.0		
Na2SO4	71.0		
NaCl	58.4	5354.2	31289

REMARKS:
STEVE HOLLINGER / FILE

Petrolite Oilfield Chemicals Group

Respectfully submitted,
ROZANNE JOHNSON

PETROLITE

SCALE TENDENCY REPORT

Company	: SEELY OIL CO.	Date	: 2-16-93
Address	: ARTESIA, NM	Date Sampled	: 2-16-93
Lease	: O. G.	Analysis No.	: 263
Well	: # 1	Analyst	: ROZANNE JOHNSON
Sample Pt.	: BATTERY		

STABILITY INDEX CALCULATIONS
(Stiff-Davis Method)
CaCO3 Scaling Tendency

S.I. =	0.7	at	60 deg. F	or	16 deg. C
S.I. =	0.7	at	80 deg. F	or	27 deg. C
S.I. =	0.7	at	100 deg. F	or	38 deg. C
S.I. =	0.7	at	120 deg. F	or	49 deg. C
S.I. =	0.7	at	140 deg. F	or	60 deg. C

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CALCIUM SULFATE SCALING TENDENCY CALCULATIONS
(Skillman-McDonald-Stiff Method)
Calcium Sulfate

S =	1563	at	60 deg. F	or	16 deg C
S =	1729	at	80 deg. F	or	27 deg C
S =	1831	at	100 deg. F	or	38 deg C
S =	1873	at	120 deg. F	or	49 deg C
S =	1901	at	140 deg. F	or	60 deg C

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WATER ANALYSIS REPORT

Company : SEELY OIL CO.
Address : ARTESIA, NM
Lease : SANTA FE
Well : # 1
Sample Pt. : BATTERY

Date : 2-16-93
Date Sampled : 2-16-93
Analysis No. : 264

	ANALYSIS		mg/L		* meq/L
1.	pH	6.1			
2.	H2S	POSITIVE			
3.	Specific Gravity	1.200			
4.	Total Dissolved Solids		334343.5		
5.	Suspended Solids		NR		
6.	Dissolved Oxygen		NR		
7.	Dissolved CO2		NR		
8.	Oil In Water		NR		
9.	Phenolphthalein Alkalinity (CaCO3)				
10.	Methyl Orange Alkalinity (CaCO3)		118.0		
11.	Bicarbonate	HCO3	144.0	HCO3	2.4
12.	Chloride	Cl	203922.2	Cl	5752.4
13.	Sulfate	SO4	850.0	SO4	17.7
14.	Calcium	Ca	15839.6	Ca	790.4
15.	Magnesium	Mg	1181.5	Mg	97.2
16.	Sodium (calculated)	Na	112302.7	Na	4884.9
17.	Iron	Fe	103.5		
18.	Barium	Ba	NR		
19.	Strontium	Sr	NR		
20.	Total Hardness (CaCO3)		44419.9		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter

790	*Ca <----- *HCO3	2
	/------->	
97	*Mg -----> *SO4	18
	<----------/	
4885	*Na -----> *Cl	5752

Saturation Values Dist. Water 20 C

CaCO3	13 mg/L
CaSO4 * 2H2O	2090 mg/L
BaSO4	2.4 mg/L

Compound	Equiv wt	X meq/L	= mg
Ca(HCO3)2	81.0	2.4	19
CaSO4	68.1	17.7	120
CaCl2	55.5	770.3	427
Mg(HCO3)2	73.2		
MgSO4	60.2		
MgCl2	47.6	97.2	46
NaHCO3	84.0		
Na2SO4	71.0		
NaCl	58.4	4884.9	2854

REMARKS:
STEVE HOLLINGER / FILE

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SCALE TENDENCY REPORT

Company	: SEELY OIL CO.	Date	: 2-16-93
Address	: ARTESIA, NM	Date Sampled	: 2-16-93
Lease	: SANTA FE	Analysis No.	: 264
Well	: # 1	Analyst	: ROZANNE JOHNSON
Sample Pt.	: BATTERY		

STABILITY INDEX CALCULATIONS
(Stiff-Davis Method)
CaCO3 Scaling Tendency

S.I. =	0.5	at	60 deg. F or	16	deg. C
S.I. =	0.5	at	80 deg. F or	27	deg. C
S.I. =	0.5	at	100 deg. F or	38	deg. C
S.I. =	0.5	at	120 deg. F or	49	deg. C
S.I. =	0.5	at	140 deg. F or	60	deg. C

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CALCIUM SULFATE SCALING TENDENCY CALCULATIONS
(Skillman-McDonald-Stiff Method)
Calcium Sulfate

S =	740	at	60 deg. F or	16	deg C
S =	823	at	80 deg. F or	27	deg C
S =	873	at	100 deg. F or	38	deg C
S =	895	at	120 deg. F or	49	deg C
S =	909	at	140 deg. F or	60	deg C

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WATER ANALYSIS REPORT

Company : SEELY OIL CO.
Address : ARTESIA, NM
Lease : A. J.
Well : # 1
Sample Pt. : BATTERY

Date : 2-16-93
Date Sampled : 2-16-93
Analysis No. : 265

	ANALYSIS		mg/L		* meq/L
1.	pH	6.8			
2.	H2S	POSITIVE			
3.	Specific Gravity	1.155			
4.	Total Dissolved Solids		258788.7		
5.	Suspended Solids		NR		
6.	Dissolved Oxygen		NR		
7.	Dissolved CO2		NR		
8.	Oil In Water		NR		
9.	Phenolphthalein Alkalinity (CaCO3)				
10.	Methyl Orange Alkalinity (CaCO3)		327.0		
11.	Bicarbonate	HCO3	398.9	HCO3	6.5
12.	Chloride	Cl	157922.7	Cl	4454.8
13.	Sulfate	SO4	950.0	SO4	19.8
14.	Calcium	Ca	16569.1	Ca	826.8
15.	Magnesium	Mg	1205.8	Mg	99.2
16.	Sodium (calculated)	Na	81732.3	Na	3555.1
17.	Iron	Fe	10.0		
18.	Barium	Ba	NR		
19.	Strontium	Sr	NR		
20.	Total Hardness (CaCO3)		46341.7		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter

827	*Ca <----- *HCO3	7
	/------->	
99	*Mg -----> *SO4	20
	<---------/	
3555	*Na -----> *Cl	4455

Saturation Values Dist. Water 20 C

CaCO3	13 mg/L
CaSO4 * 2H2O	2090 mg/L
BaSO4	2.4 mg/L

Compound	Equiv wt	X meq/L	= mg
Ca(HCO3)2	81.0	6.5	5
CaSO4	68.1	19.8	13
CaCl2	55.5	800.5	444
Mg(HCO3)2	73.2		
MgSO4	60.2		
MgCl2	47.6	99.2	47
NaHCO3	84.0		
Na2SO4	71.0		
NaCl	58.4	3555.1	2077

REMARKS:
STEVE HOLLINGER / FILE

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Respectfully submitted
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SCALE TENDENCY REPORT

Company	: SEELY OIL CO.	Date	: 2-16-93
Address	: ARTESIA, NM	Date Sampled	: 2-16-93
Lease	: A. J.	Analysis No.	: 265
Well	: # 1	Analyst	: ROZANNE JOHNSON
Sample Pt.	: BATTERY		

STABILITY INDEX CALCULATIONS
(Stiff-Davis Method)
CaCO3 Scaling Tendency

S.I. =	1.6	at	60 deg. F or	16	deg. C
S.I. =	1.6	at	80 deg. F or	27	deg. C
S.I. =	1.6	at	100 deg. F or	38	deg. C
S.I. =	1.6	at	120 deg. F or	49	deg. C
S.I. =	1.6	at	140 deg. F or	60	deg. C

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CALCIUM SULFATE SCALING TENDENCY CALCULATIONS
(Skillman-McDonald-Stiff Method)
Calcium Sulfate

S =	847	at	60 deg. F or	16	deg C
S =	942	at	80 deg. F or	27	deg C
S =	1001	at	100 deg. F or	38	deg C
S =	1027	at	120 deg. F or	49	deg C
S =	1045	at	140 deg. F or	60	deg C

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WATER ANALYSIS REPORT

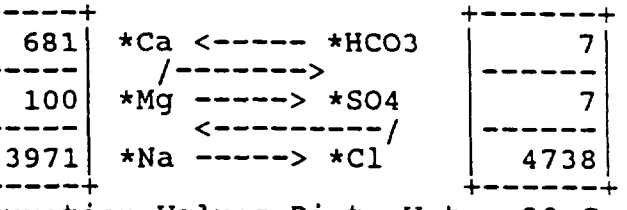
Company : SEELY OIL CO.
Address : ARTESIA, NM
Lease : SANTE FE
Well : # 2
Sample Pt. : BATTERY

Date : 2-16-93
Date Sampled : 2-16-93
Analysis No. : 266

	ANALYSIS		mg/L		* meq/L
1.	pH	6.7			
2.	H2S	POSITIVE			
3.	Specific Gravity	1.165			
4.	Total Dissolved Solids		274931.8		
5.	Suspended Solids		NR		
6.	Dissolved Oxygen		NR		
7.	Dissolved CO2		NR		
8.	Oil In Water		NR		
9.	Phenolphthalein Alkalinity (CaCO3)				
10.	Methyl Orange Alkalinity (CaCO3)		345.0		
11.	Bicarbonate	HCO3	420.9	HCO3	6.9
12.	Chloride	Cl	167976.5	Cl	4738.4
13.	Sulfate	SO4	350.0	SO4	7.3
14.	Calcium	Ca	13643.2	Ca	680.8
15.	Magnesium	Mg	1220.4	Mg	100.4
16.	Sodium (calculated)	Na	91302.3	Na	3971.4
17.	Iron	Fe	18.5		
18.	Barium	Ba	NR		
19.	Strontium	Sr	NR		
20.	Total Hardness (CaCO3)		39095.2		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter



Saturation Values Dist. Water 20 C

CaCO3	13	mg/L
CaSO4 * 2H2O	2090	mg/L
BaSO4	2.4	mg/L

Compound	Equiv wt	X meq/L	=	mg
Ca(HCO3)2	81.0	6.9		55
CaSO4	68.1	7.3		49
CaCl2	55.5	666.6		3699
Mg(HCO3)2	73.2			
MgSO4	60.2			
MgCl2	47.6	100.4		478
NaHCO3	84.0			
Na2SO4	71.0			
NaCl	58.4	3971.4		23208

REMARKS:
STEVE HOLLINGER / FILE

Petrolite Oilfield Chemicals Group

Respectfully submitted
ROZANNE JOHNSON

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SCALE TENDENCY REPORT

Company	: SEELY OIL CO.	Date	: 2-16-93
Address	: ARTESIA, NM	Date Sampled	: 2-16-93
Lease	: SANTE FE	Analysis No.	: 266
Well	: # 2	Analyst	: ROZANNE JOHNSON
Sample Pt.	: BATTERY		

STABILITY INDEX CALCULATIONS
(Stiff-Davis Method)
CaCO3 Scaling Tendency

S.I. =	1.4	at	60 deg. F	or	16 deg. C
S.I. =	1.4	at	80 deg. F	or	27 deg. C
S.I. =	1.4	at	100 deg. F	or	38 deg. C
S.I. =	1.4	at	120 deg. F	or	49 deg. C
S.I. =	1.5	at	140 deg. F	or	60 deg. C

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CALCIUM SULFATE SCALING TENDENCY CALCULATIONS
(Skillman-McDonald-Stiff Method)
Calcium Sulfate

S =	989	at	60 deg. F	or	16 deg C
S =	1098	at	80 deg. F	or	27 deg C
S =	1167	at	100 deg. F	or	38 deg C
S =	1197	at	120 deg. F	or	49 deg C
S =	1217	at	140 deg. F	or	60 deg C

Petrolite Oilfield Chemicals Group

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WATER ANALYSIS REPORT

Company : SEELY OIL CO.
Address : ARTESIA, NM
Lease : NEW MEXICO STATE
Well : # 2
Sample Pt. : BATTERY

Date : 2-16-93
Date Sampled : 2-16-93
Analysis No. : 267

	ANALYSIS		mg/L		* meq/L
1.	pH	6.8			
2.	H2S	POSITIVE			
3.	Specific Gravity	1.165			
4.	Total Dissolved Solids		273561.0		
5.	Suspended Solids		NR		
6.	Dissolved Oxygen		NR		
7.	Dissolved CO2		NR		
8.	Oil In Water		NR		
9.	Phenolphthalein Alkalinity (CaCO3)				
10.	Methyl Orange Alkalinity (CaCO3)		330.0		
11.	Bicarbonate	HCO3	402.6	HCO3	6.6
12.	Chloride	Cl	167104.2	Cl	4713.8
13.	Sulfate	SO4	400.0	SO4	8.3
14.	Calcium	Ca	13691.3	Ca	683.2
15.	Magnesium	Mg	1191.2	Mg	98.0
16.	Sodium (calculated)	Na	90753.7	Na	3947.5
17.	Iron	Fe	18.0		
18.	Barium	Ba	NR		
19.	Strontium	Sr	NR		
20.	Total Hardness (CaCO3)		39095.2		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter

683	*Ca <----- *HCO3	7
	/------->	
98	*Mg -----> *SO4	8
	<----------/	
3948	*Na -----> *Cl	4714

Saturation Values Dist. Water 20 C

CaCO3	13 mg/L
CaSO4 * 2H2O	2090 mg/L
BaSO4	2.4 mg/L

Compound	Equiv wt	X meq/L	= mg
Ca(HCO3)2	81.0	6.6	53
CaSO4	68.1	8.3	56
CaCl2	55.5	668.3	3708
Mg(HCO3)2	73.2		
MgSO4	60.2		
MgCl2	47.6	98.0	466
NaHCO3	84.0		
Na2SO4	71.0		
NaCl	58.4	3947.5	23069

REMARKS:
STEVE HOLLINGER / FILE

Petrolite Oilfield Chemicals Group

Respectfully submitted,
ROZANNE JOHNSON

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SCALE TENDENCY REPORT

Company	: SEELY OIL CO.	Date	: 2-16-93
Address	: ARTESIA, NM	Date Sampled	: 2-16-93
Lease	: NEW MEXICO STATE	Analysis No.	: 267
Well	: # 2	Analyst	: ROZANNE JOHNSON
Sample Pt.	: BATTERY		

STABILITY INDEX CALCULATIONS
(Stiff-Davis Method)
CaCO3 Scaling Tendency

S.I. =	1.5	at	60 deg. F or	16	deg. C
S.I. =	1.5	at	80 deg. F or	27	deg. C
S.I. =	1.5	at	100 deg. F or	38	deg. C
S.I. =	1.5	at	120 deg. F or	49	deg. C
S.I. =	1.5	at	140 deg. F or	60	deg. C

****

CALCIUM SULFATE SCALING TENDENCY CALCULATIONS
(Skillman-McDonald-Stiff Method)
Calcium Sulfate

S =	989	at	60 deg. F or	16	deg C
S =	1099	at	80 deg. F or	27	deg C
S =	1168	at	100 deg. F or	38	deg C
S =	1197	at	120 deg. F or	49	deg C
S =	1217	at	140 deg. F or	60	deg C

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