| DATE IN | SUSPENSE | ENGINEER | LOGGED IN | TYPE | APP NO. |
|---|---|---|---|---|---|
| 3/5/2007 | 3/20/07 | DC | 3/6/07 | WFX | PDNC0706537649 |

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505

# ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

**[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]**
**[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]**
**[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]**
**[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]**
**[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]**
**[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]**

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

**Note: Statement must be completed by an individual with managerial and/or supervisory capacity.**

Print or Type Name _____ Signature _____ Title _____ Date _____

e-mail Address _____

| DATE IN | SUSPENSE | ENGINEER | LOGGED IN | TYPE | APP NO. |
|---|---|---|---|---|---|

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505

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[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☒ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

2007 DEC 12 PM 1 S

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[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

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U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

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**Note: Statement must be completed by an individual with managerial and/or supervisory capacity.**

| Stan Wagner | Stan Wagner | Regulatory Analyst | 3/2/07 |
|---|---|---|---|
| Print or Type Name | Signature | Title | Date |

stan_wagner@eogresources.com
e-mail Address

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

**Oil Conservation Division**
**1220 South St. Francis Dr.**
**Santa Fe, New Mexico 87505**

FORM C-108
Revised June 10, 2003

## APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____ Secondary Recovery __X__ Pressure Maintenance _____ Disposal _____ Storage
Application qualifies for administrative approval? __X__ Yes _____ No

II. OPERATOR: EOG Resources, Inc.

ADDRESS: P.O. Box 2267 Midland, TX 79702

CONTACT PARTY: Stan Wagner PHONE: 432 686 3689

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

IV. Is this an expansion of an existing project? __X__ Yes _____ No
If yes, give the Division order number authorizing the project: R-10390

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 geologic data on the injection zone including appropriate lithologic detail, geologic 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 sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

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

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

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

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

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

NAME: Stan Wagner TITLE: Regulatory Analyst

SIGNATURE: Stan Wagner DATE: 3/2/07

E-MAIL ADDRESS: _____

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: 2/1995

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

III. WELL DATA

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

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

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

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

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

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

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

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

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

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

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

(5) Give the depth to and the 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, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

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

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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.

eog resources

**EOG Resources, Inc.**
*4000 North Big Spring, Suite 500*
*Midland, TX 79705*
*(915) 686-3600*

February 27, 2007

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Caviness Family Trust
P.O. Box 29
Portales, NM 88130

Re: Application of EOG Resources, Inc. for administrative approval of Expansion of its East Corbin Delaware Unit Pressure Maintenance Project, Lea, County, New Mexico.

To Whom it May Concern,

Enclosed please find a copy of the application of EOG Resources, Inc. (Oil Conservation Division Form C-108) in the above-referenced matter for approval of the expansion of its East Corbin Delaware Unit Pressure Maintenance Project with the addition of one injection well: the East Corbin Delaware Unit Well No. 3 located 660 feet from the South line and 1980 feet from the East line of Section 16, Township 18 South, Range 33 East, NMPM, Lea County, New Mexico. EOG proposes to re-inject water produced from the Delaware formation into the unitized interval of the Delaware formation in the East Corbin Delaware Unit Area at a measured depth of 5097 feet to 5245 feet in Well No. 3. The injection will occur with a maximum injection pressure of 3300 psi and a maximum injection rate of 3000 barrels of water per day as fully described in the application.

This application is provided to you as owner of the surface of the land upon which the subject well is located. If you object to this application your objection must be filed in writing with the Santa Fe Office of the Oil Conservation Division located at 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505 within 15 days of the date of this letter. If there is no objection, the Division Director may approve this application.

Sincerely,

EOG RESOURCES, INC.

Stan Wagner
Regulatory Analyst

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Caviness Family Trust
P.O. Box 29
Portales, NM 88130

*COMPLETE THIS SECTION ON DELIVERY*

A. Signature
X Jean Hamilton ☐ Agent ☐ Addressee

B. Received by (*Printed Name*) Jean Hamilton
C. Date of Delivery 3-1-05

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (*Extra Fee*) ☐ Yes

2. Article Number
(*Transfer from service label*) P 497 360 204

PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M-1540

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

EOG RESOURCES,INC.
P.O. BOX 2267
MIDLAND, TX 79702

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

Publisher

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

of 1

weeks.

Beginning with the issue dated

January 25 2007

and ending with the issue dated

January 25 2007

Kathi Bearden

Publisher

Sworn and subscribed to before me this 25th day of January 2007

Notary Public.

My Commission expires
February 07, 2009
(Seal)

OFFICIAL SEAL
DORA MONTZ
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires:

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

**LEGAL NOTICE**
**January 25, 2007**

**EOG Resources, Inc.**, P.O. Box 2267, Midland, TX 79705, has filed form C-108 (Application for Authorization To Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a pressure maintenance water injection well.

The **East Corbin Delaware Unit No. 3** is located 660' FSL & 1980' FEL, Section 16, Township 18 South, Range 33 East, Lea County, New Mexico. Injection water will be sourced from area wells producing from the Delaware formation. The injection water will be injected into the Delaware formation at a depth of 5000' - 5500', a maximum surface pressure of 2000 psi, and a maximum rate of 3000 BWPD.

All interested parties opposing the action must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505 within 15 days. Additional information may be obtained by contacting Stan Wagner at P.O. Box 2267, Midland, TX 79702, or 432-686-3600.
#22985

01105308000 02591162

EOG RESOURCES,INC.
P.O. BOX 2267
MIDLAND, TX 79702

Side 1

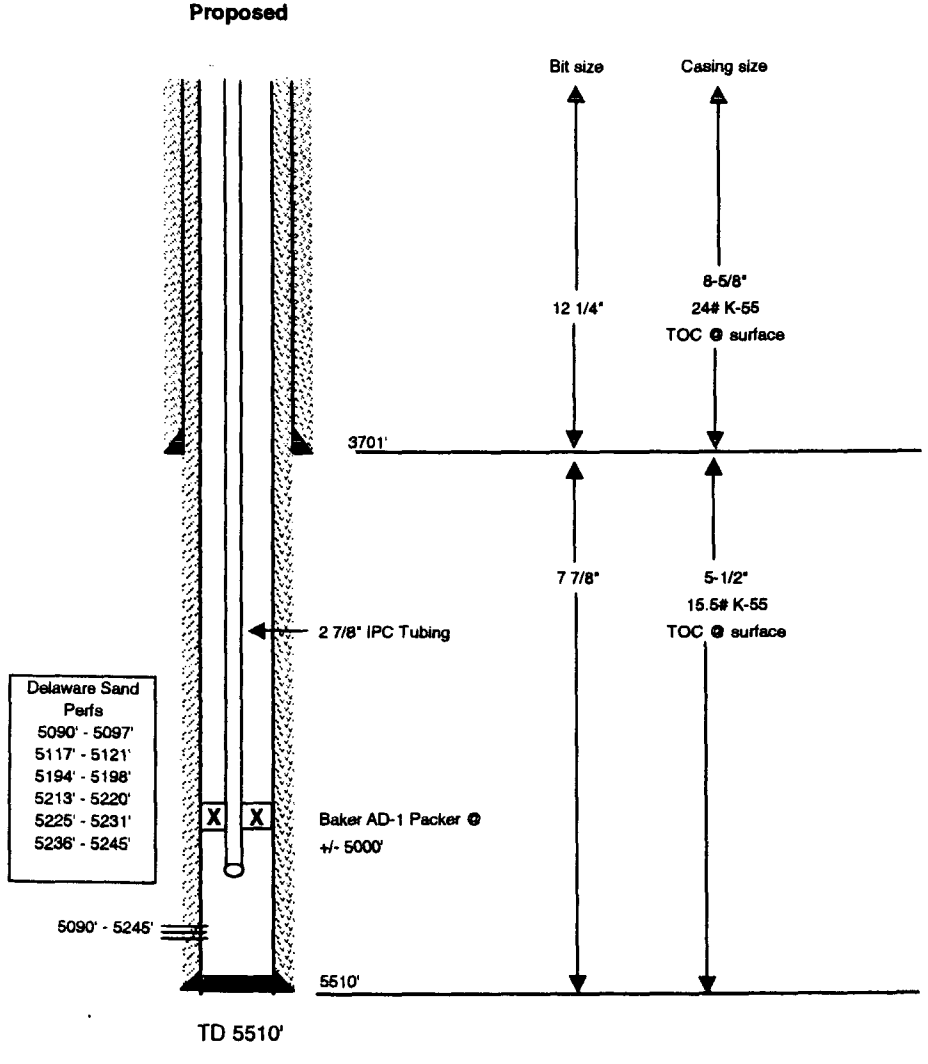
# INJECTION WELL DATA SHEET

OPERATOR: EOG Resources, Inc.

WELL NAME & NUMBER: East Corbin Delaware Unit No. 3

| WELL LOCATION: | 660' FSL & 1980' FEL | O | 16 | 18S | 33E |
|---|---|---|---|---|---|
| | FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE |

## *WELLBORE SCHEMATIC*




## *WELL CONSTRUCTION DATA*

### Surface Casing

Hole Size: 12 1/4" Casing Size: 8 5/8"

Cemented with: 240 sx. *or* _____ ft³

Top of Cement: Surface Method Determined: Circulation

### Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. *or* _____ ft³

Top of Cement: _____ Method Determined: _____

### Production Casing

Hole Size: 7 7/8" Casing Size: 5 1/2"

Cemented with: 1000 sx. *or* _____ ft³

Top of Cement: Surface Method Determined: Circulation

Total Depth: 5510'

### Injection Interval

5097' feet to 5245'

(Perforated or Open Hole; indicate which)

## INJECTION WELL DATA SHEET

Tubing Size: 2 7/8" Lining Material: Plastic Coated

Type of Packer: Baker AD-1

Packer Setting Depth: +/- 5000'

Other Type of Tubing/Casing Seal (if applicable): _____

### Additional Data

1. Is this a new well drilled for injection? _____Yes __X__No

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

2. Name of the Injection Formation: Delaware Sand

3. Name of Field or Pool (if applicable): Corbin; Delaware, West; (13195)

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

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

   Delaware @ 5088'

APPLICATION FOR AUTHORIZATION TO INJECT
EAST CORBIN DELAWARE UNIT NO. 3

VII. PROPOSED OPERATION

(1) Proposed Average Daily Rate and Volume: 1000 BPD
Proposed Maximum Daily Rate and Volume: 3000 BPD

(2) Open or Closed System: Closed

(3) Proposed Average Injection Surface Pressure: 2000 psi
Proposed Maximum Injection Surface Pressure: 3300 psi
Note: Original Delaware formation BHP 9500 psi.

(4) Produced Delaware Formation Water: 1200-1500 BPD from West Corbin Delaware Field (see attached analysis)

(5) N/A

VIII. GEOLOGIC DATA ON INJECTION ZONE

Injection Zone: Delaware Sandstone Perfs 5097' – 5245'
Lithologic Detail: Fine grain sandstone
Geological Name: Delaware Mountain Group (Guadalupian)
Thickness: Delaware – 2050'
Depth: Top of Delaware at 5088'
Underground Sources of Drinking Water:
Geological Name: Triasic
Base: 1345'

IX. PROPOSED STIMULATION
None at this time

X. LOGGING AND TESTING DATA ON INJECTION WELL
Logs have previously been submitted

XI. CHEMICAL ANALYSIS OF WATER FROM FRESH WATER WELLS WITHIN ONE MILE OF THE INJECTION WELL
A review of the State Engineers records shows no fresh water wells within one mile of the injection well.

XII. Available geologic and engineering data has been examined and no evidence has been found of open faults or any other hydrologic connection between the injection zone and any underground source of drinking water.

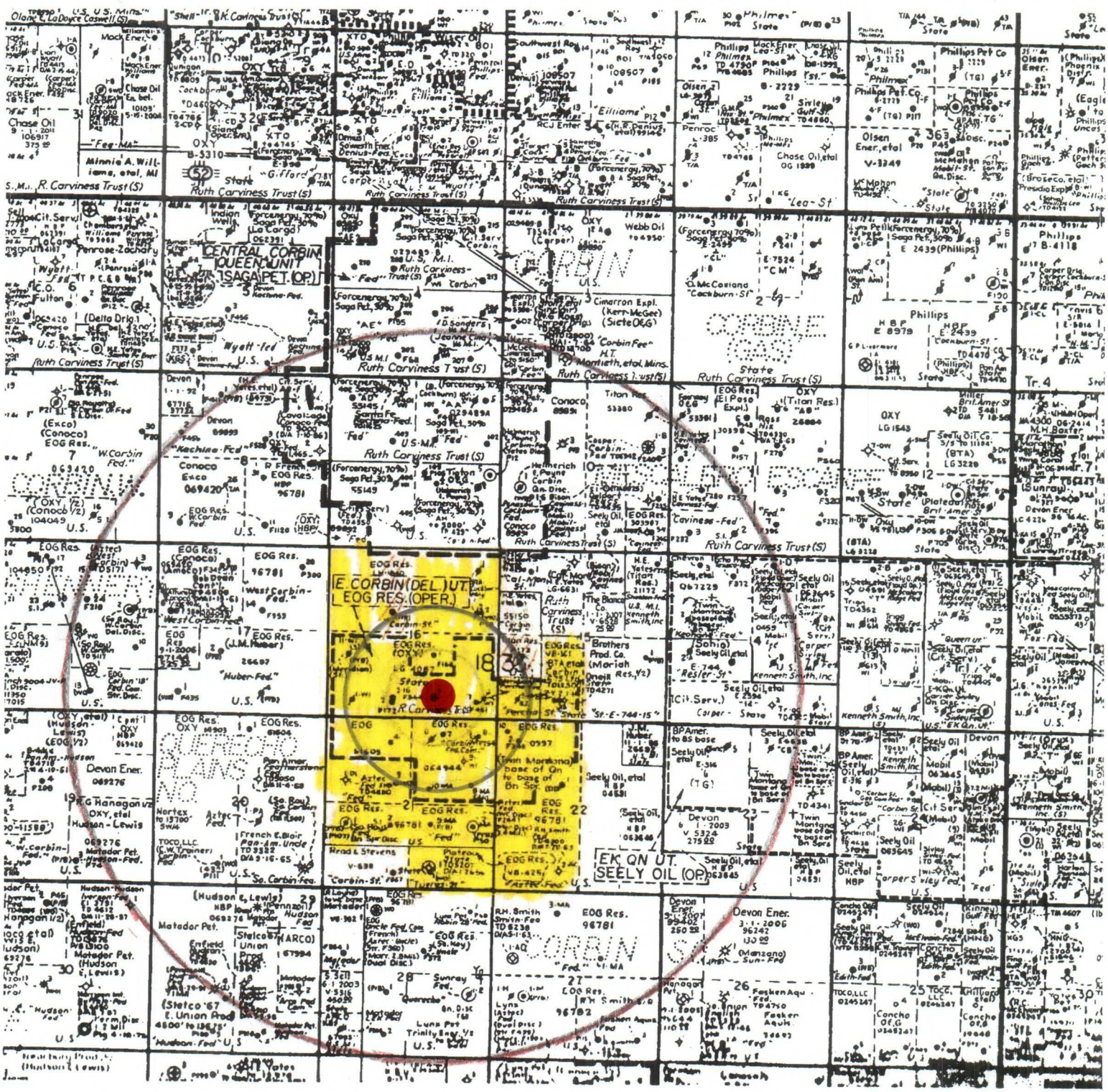
XIII. See attached "Proof of Notice".

Surface Owner:

Caviness Family Trust
P.O. Box 29
Portales, NM 88130

Offset Operators:

EOG is the only operator within a ½ mile radius of the injector.




East Corbin Delaware Unit No. 3
Sec 16, T18S, R33E
2 mile & ½ mile radius
Scale 1 in = 4000'

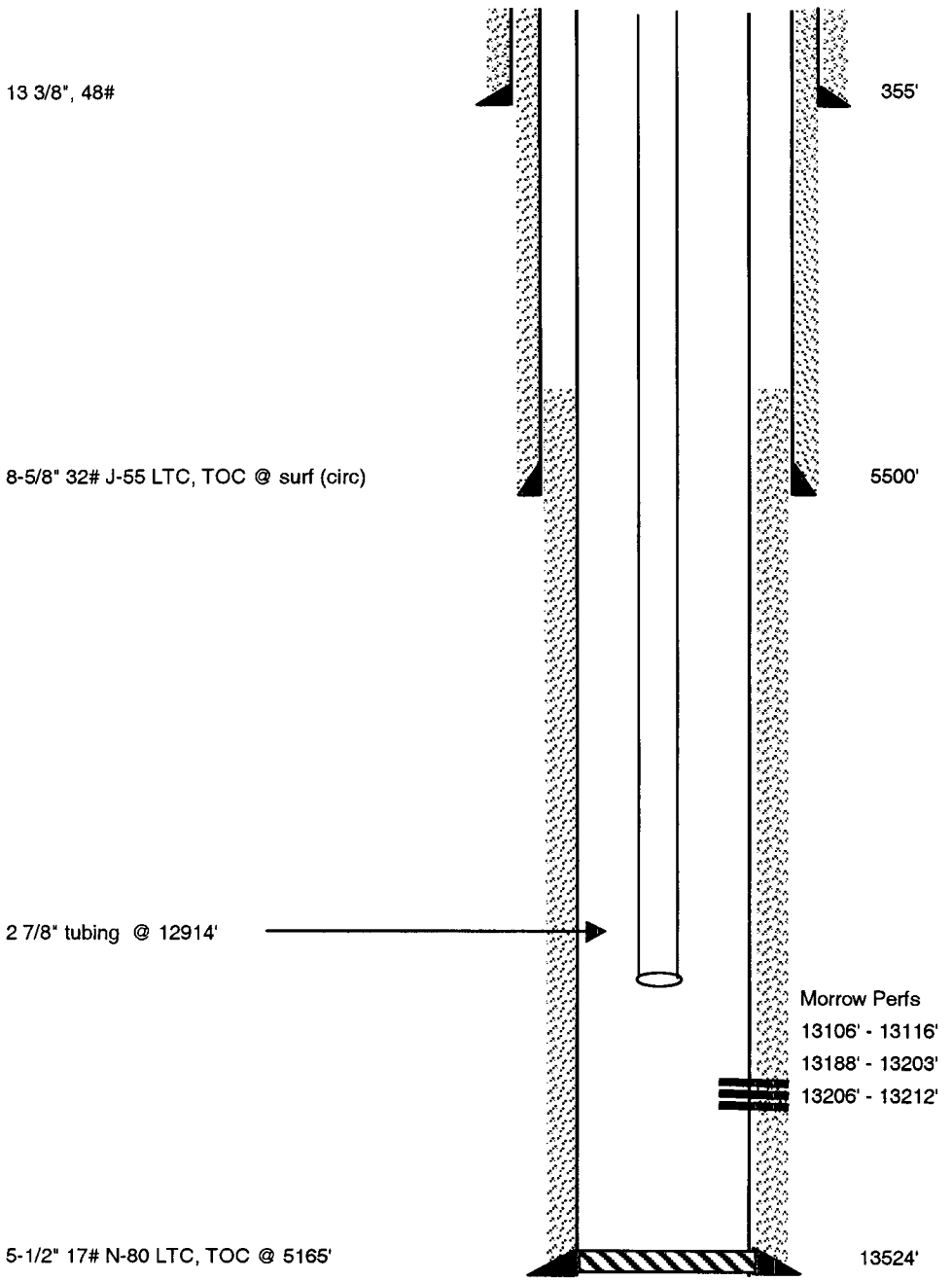
**EOG Resources, Inc**
**1/2 Mile Area of Review**
**Application for Authorization to Inject ECDU No. 3**

| | | | | | | Surface Casing | | | Production Casing | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Operator | Lease/Well | Status | Location | Spud Date | TMD | Size | Depth | Cement | Size | Depth | Cement | Producing Perfs |
| EOG Resources | Corbin Fed Com No. 1 | producer | Sec 21-18S-33E | 05/11/00 | 13526' | 11 3/4" | 1472' | 750 C | 5 1/2" | 5165' | 1275 50:50 POZ | 13106' - 13212' |
| EOG Resources | East Corbin Delaware Unit No. 1 | injector | Sec 16-18S-33E | 06/10/89 | 11460' | 13 3/8" | 355' | 375 PP | 5 1/2" | 11460' | 1675 H | 5192' - 6248' |
| EOG Resources | East Corbin Delaware Unit No. 2 | producer | Sec 16-18S-33E | 11/29/88 | 5450' | 8 5/8" | 350' | 250 C | 5 1/2" | 5450' | 950 35:65 POZ, 250 H | 5184' - 5244' |
| EOG Resources | East Corbin Delaware Unit No. 3 | shut in | Sec 16-18S-33E | 08/11/90 | 5510' | 8 5/8" | 3701' | 240 C | 5 1/2" | 5510' | 1000 C | 5025' - 5245' |
| EOG Resources | East Corbin Delaware Unit No. 4 | injector | Sec 16-18S-33E | 02/23/91 | 5504' | 8 5/8" | 430' | 405 C | 5 1/2" | 5500' | 1530 C | 5200' - 5260' |
| EOG Resources | East Corbin Delaware Unit No. 5 | producer | Sec 15-18S-33E | 06/13/91 | 5491' | 8 5/8" | 432' | 300 C | 5 1/2" | 5491' | 1400 C | 5100' - 5266' |
| EOG Resources | East Corbin Delaware Unit No. 6 | injector | Sec 21-18S-33E | 12/01/89 | 5500' | 8 5/8" | 362' | 250 C | 5 1/2" | 5500' | 1150 C | 5156' - 5246' |
| EOG Resources | East Corbin Delaware Unit No. 7 | producer | Sec 21-18S-33E | 12/17/89 | 5500' | 8 5/8" | 370' | 250 C | 5 1/2" | 5500' | 1035 C | 5140' - 5252' |
| EOG Resources | East Corbin Delaware Unit No. 8 | producer | Sec 21-18S-33E | 08/21/90 | 5500' | 8 5/8" | 400' | 325 C | 5 1/2" | 5500' | 2100 C | 5148' - 5264' |
| EOG Resources | East Corbin Delaware Unit No. 9 | injector | Sec 21-18S-33E | 03/23/95 | 5500' | 8 5/8" | 447' | 280 C | 5 1/2" | 5500' | 935 C | 5188' - 5262' |
| EOG Resources | East Corbin Delaware Unit No. 10 | shut in | Sec 22-18S-33E | 03/13/93 | 5500' | 8 5/8" | 420' | 300 C | 5 1/2" | 5500' | 1600 C | 5194' - 5250' |
| EOG Resources | Federal MA No. 4 | producer | Sec 21-18S-33E | 05/16/89 | 11511' | 13 3/8" | 370' | 300 C | 5 1/2" | 11511' | 2435 H | 7374' - 7388' |
| EOG Resources | Federal MA No. 8 | producer | Sec 21-18S-33E | 01/16/92 | 11540' | 13 3/8" | 416' | 425 C | 5 1/2" | 11540' | 2175 H | 10998' - 11228' |
| EOG Resources | Federal MA No. 10 | producer | Sec 21-18S-33E | 09/07/93 | 11527' | 13 3/8" | 406' | 425 C | 5 1/2" | 11524' | 2225 H | 7384' - 7421' |
| EOG Resources | State 16 No. 1 | producer | Sec 16-18S-33E | 02/27/87 | 12500' | 13 3/8" | 372' | 350 C | 5 1/2" | 12500' | 2815 H | 10878' - 11303' |
| EOG Resources | State 16 No. 2H | producer | Sec 16-18S-33E | 04/16/88 | 12079' | 13 3/8" | 350' | 370 C | 4 1/2" | 12049' | 1940 H | 9779' - 11660' |
| EOG Resources | State 16 No. 7 | producer | Sec 16-18S-33E | 11/03/90 | 11550' | 13 3/8" | 391' | 400 C | 5 1/2" | 11550' | 2120 H | 11204' - 11264' |
| EOG Resources | Aztec Federal 22 No. 2 | producer | Sec 22-18S-33E | 07/02/92 | 11430' | 13 3/8" | 450' | 615 C | 5 1/2" | 11430' | 1815 H | 10989' - 11304' |

eog resources

# Corbin Federal Com No. 1

660' FNL & 660' FEL
Sec. 21-18S-33E
Lea County, New Mexico
API 30-025-35001




TD 13526'

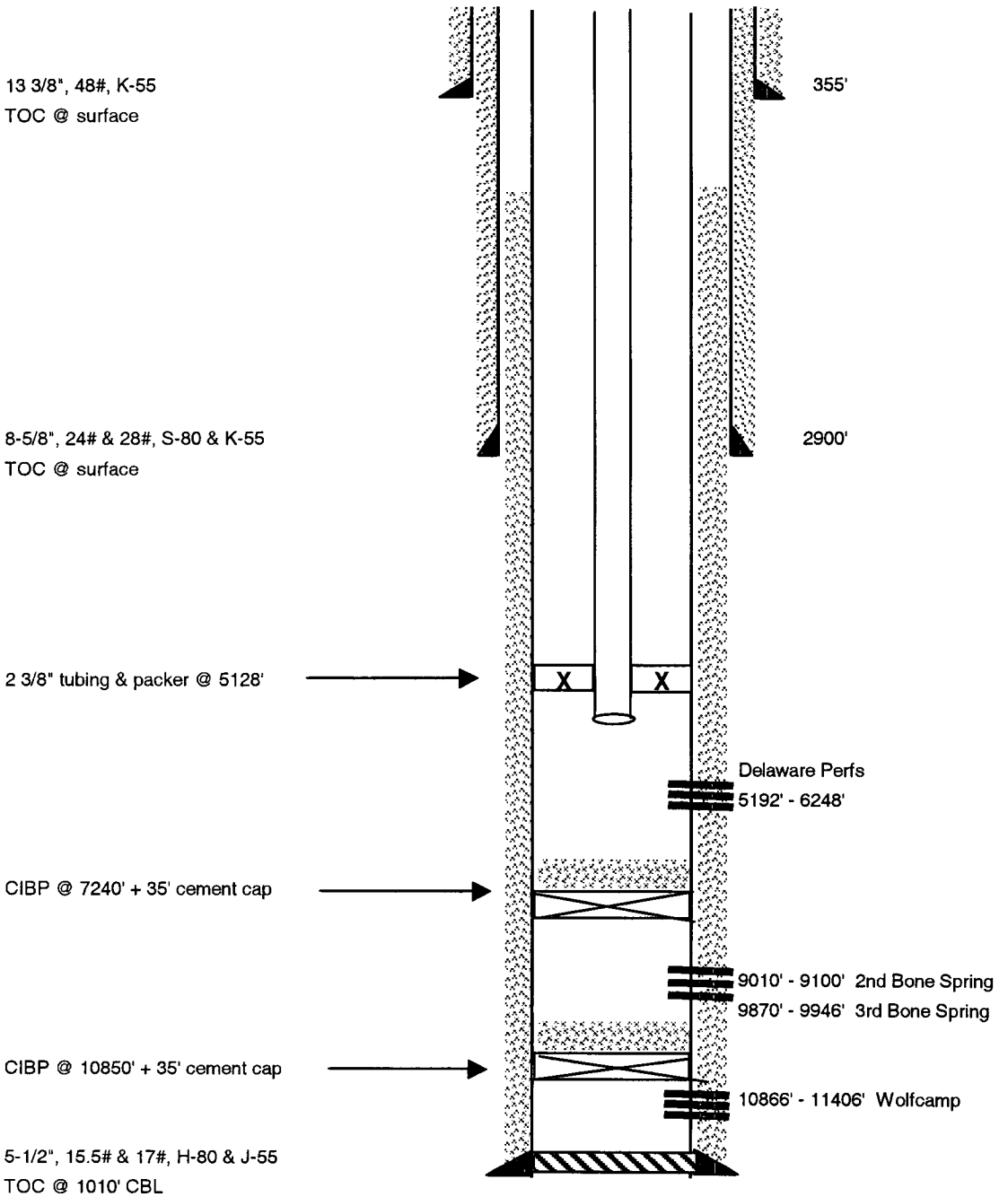
2/27/2007

[redacted]

eog resources

# East Corbin Delaware Unit No. 1

548' FSL & 760' FWL
Sec. 16-18S-33E
Lea County, New Mexico
API 30-025-30622

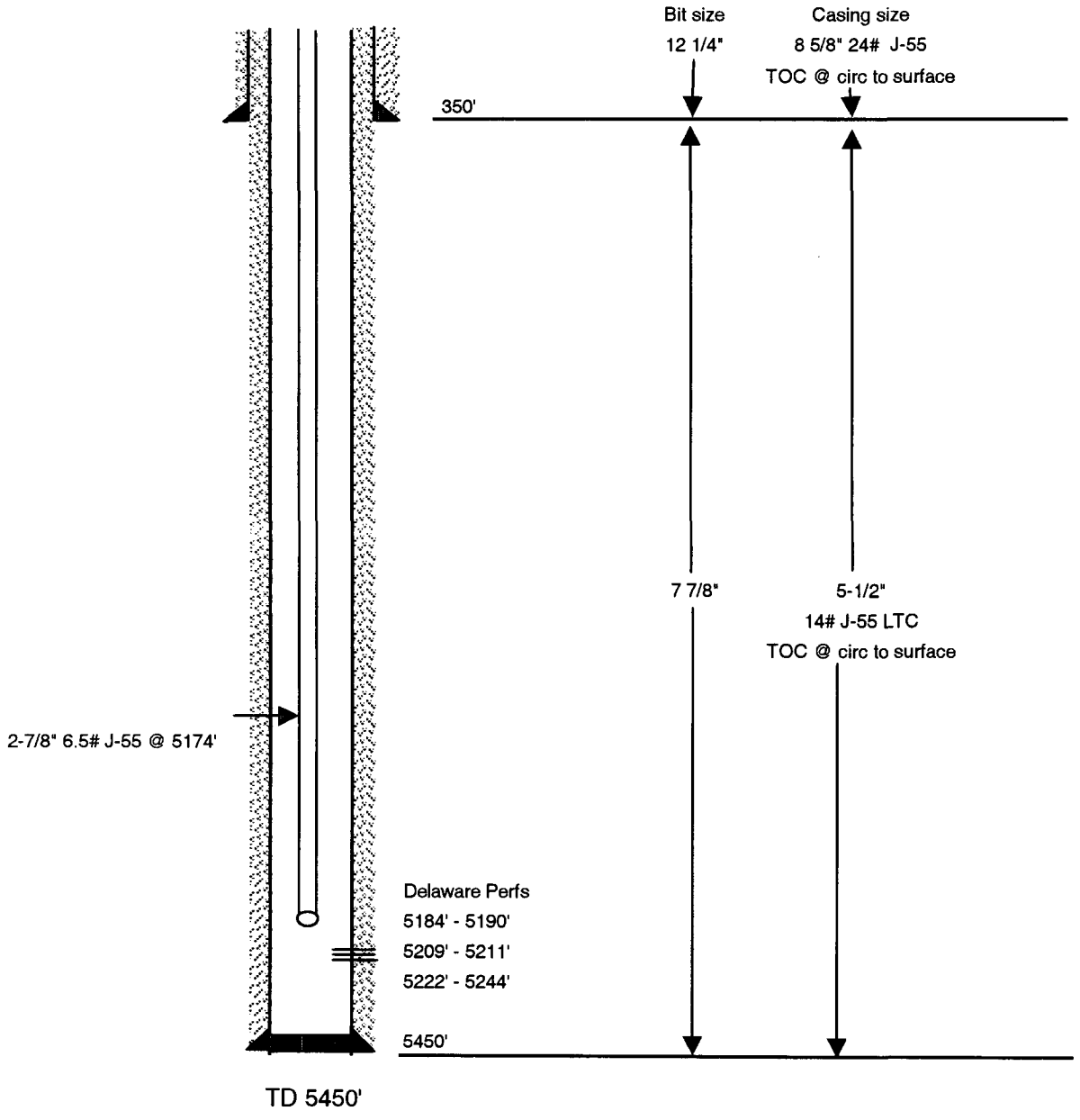



2/27/2007

eog resources

# East Corbin Delaware Unit No. 2

510' FSL & 1980' FWL
Sec. 16-18S-33E
Lea County, New Mexico
30-025-30499

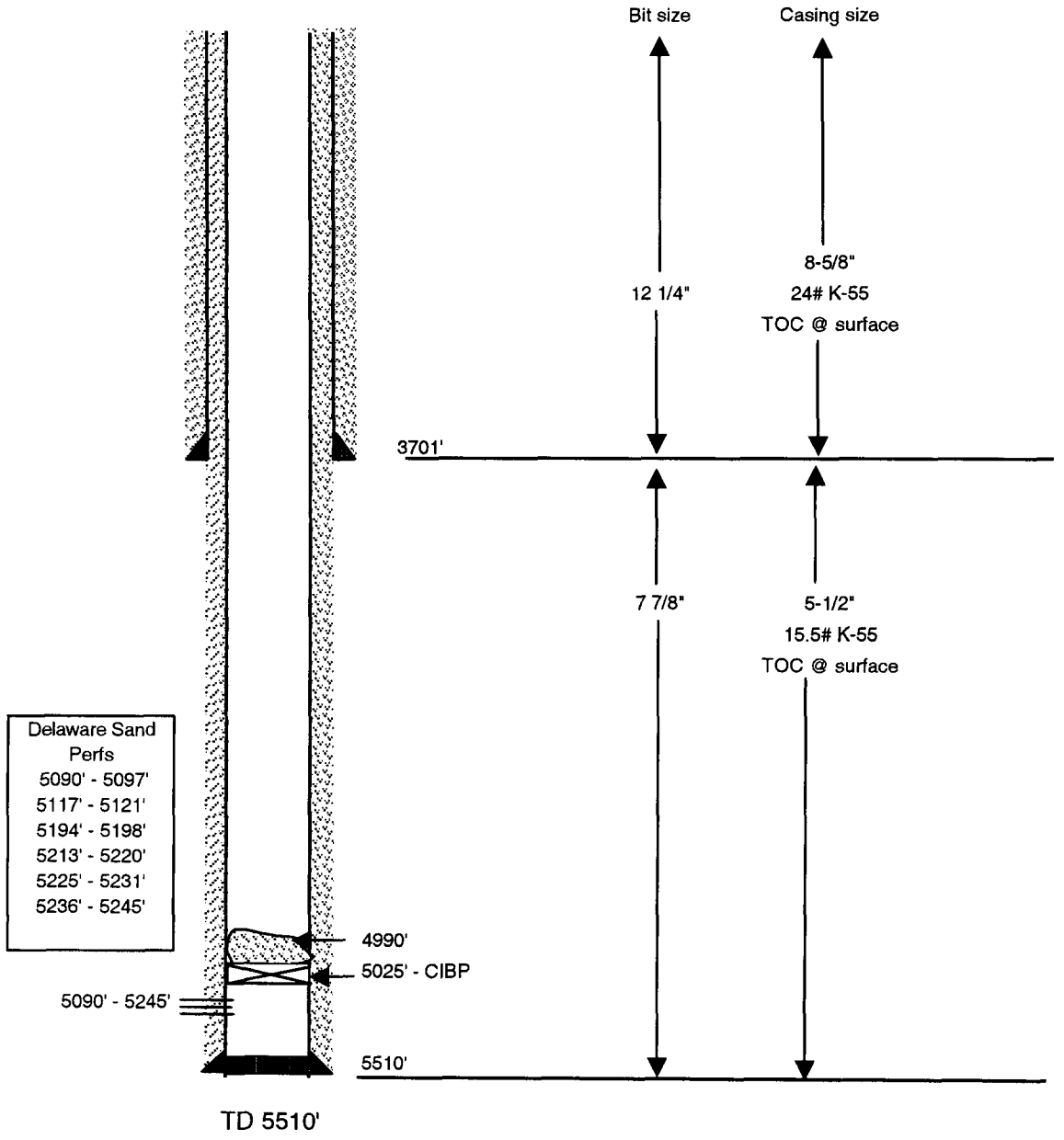



2/23/2007

eog resources

# East Corbin Delaware Unit No. 3

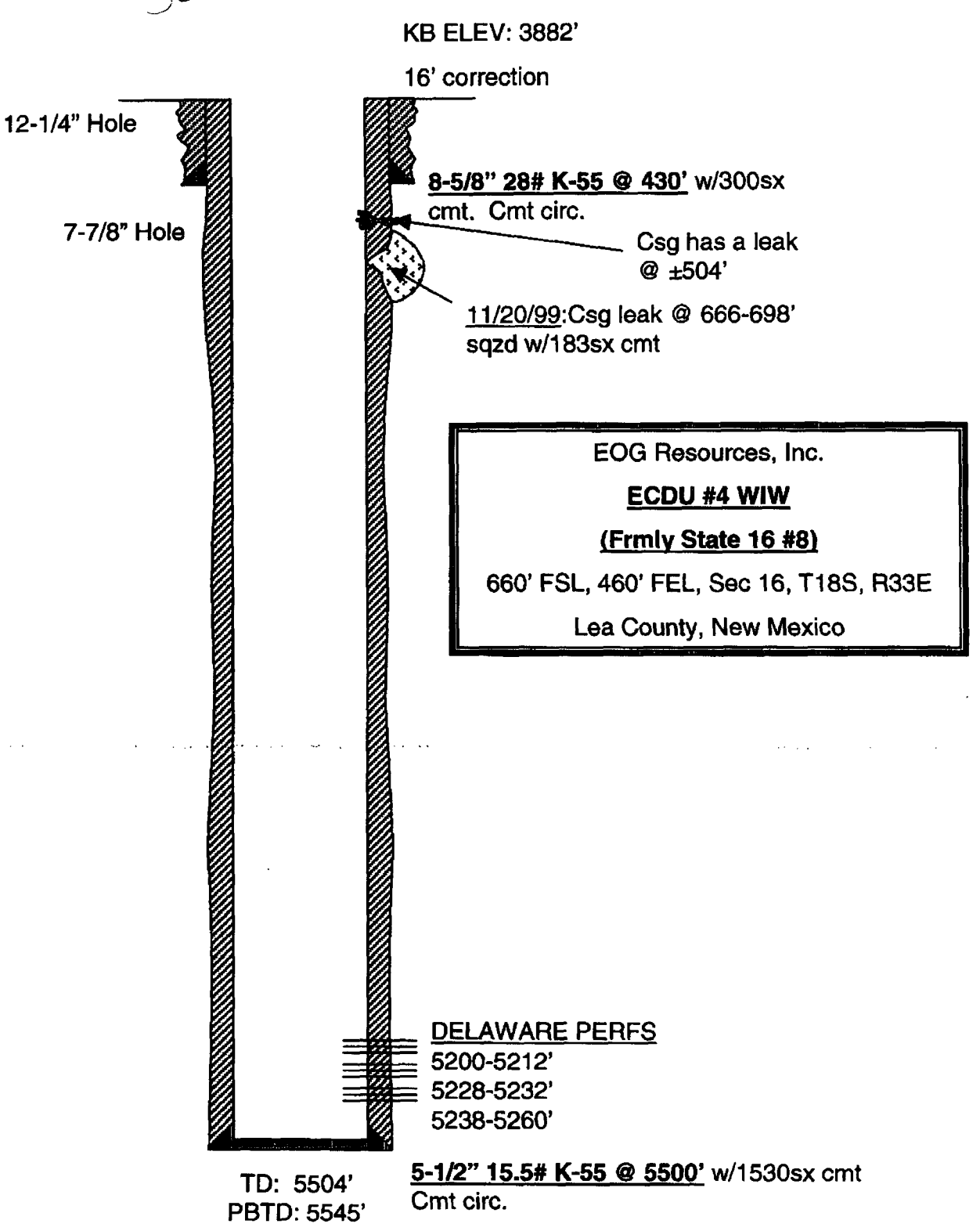
660' FSL & 1890' FEL
Sec. 16-18S-33E
Lea County, New Mexico
30-025-30949




TD 5510'

2/23/2007

30-025-31168




***CURRENT STATUS: 03/12/02***

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

WELL API NO. 30-025-31168
5. Indicate Type of Lease STATE [X] FEE [ ]
6. State Oil & Gas Lease No.

## SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: East Corbin Delaware Unit
1. Type of Well: Oil Well [X] Gas Well [ ] Other
8. Well Number 4
2. Name of Operator EOG Resources Inc.
9. OGRID Number 7377
3. Address of Operator P.O. Box 2267 Midland, Texas 79702
10. Pool name or Wildcat West Corbin Delaware
4. Well Location

Unit Letter O : 600 feet from the South line and 460 feet from the East line

Section 16 Township 18S Range 33E NMPM County Lea

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3866 GR

Pit or Below-grade Tank Application [ ] or Closure [ ]

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

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

Received Hobbs OCD 2007 FEB 22 P 12:24

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

THE OIL CONSERVATION DIVISION MUST BE NOTIFIED 24 HOURS PRIOR TO THE BEGINNING OF PLUGGING OPERATIONS.

**Proposed plugging procedure:**

Set CIBP @ 5150' + 35' cement. 9.5 mud between all CIBPs
Set CIBP @ 3075' + 35' cement
Set CIBP @ 1590' + 35' cement
Set CICR @ 380' and squeeze hole in casing @ 500' - 560' with 100 sx Class C cement. Bring cement back up to CICR @ 380' covering casing shoe. W.O.C. + TAG SHOE PLUG
Spot 100' surface plug
Weld on P&A marker. Clean & restore location.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines [ ], a general permit [ ] or an (attached) alternative OCD-approved plan [ ]

SIGNATURE Stan Wagner TITLE Regulatory Analyst DATE 2/16/07

E-mail address:

Type or print name Stan Wagner Telephone No. 432 686 3689

For State Use Only

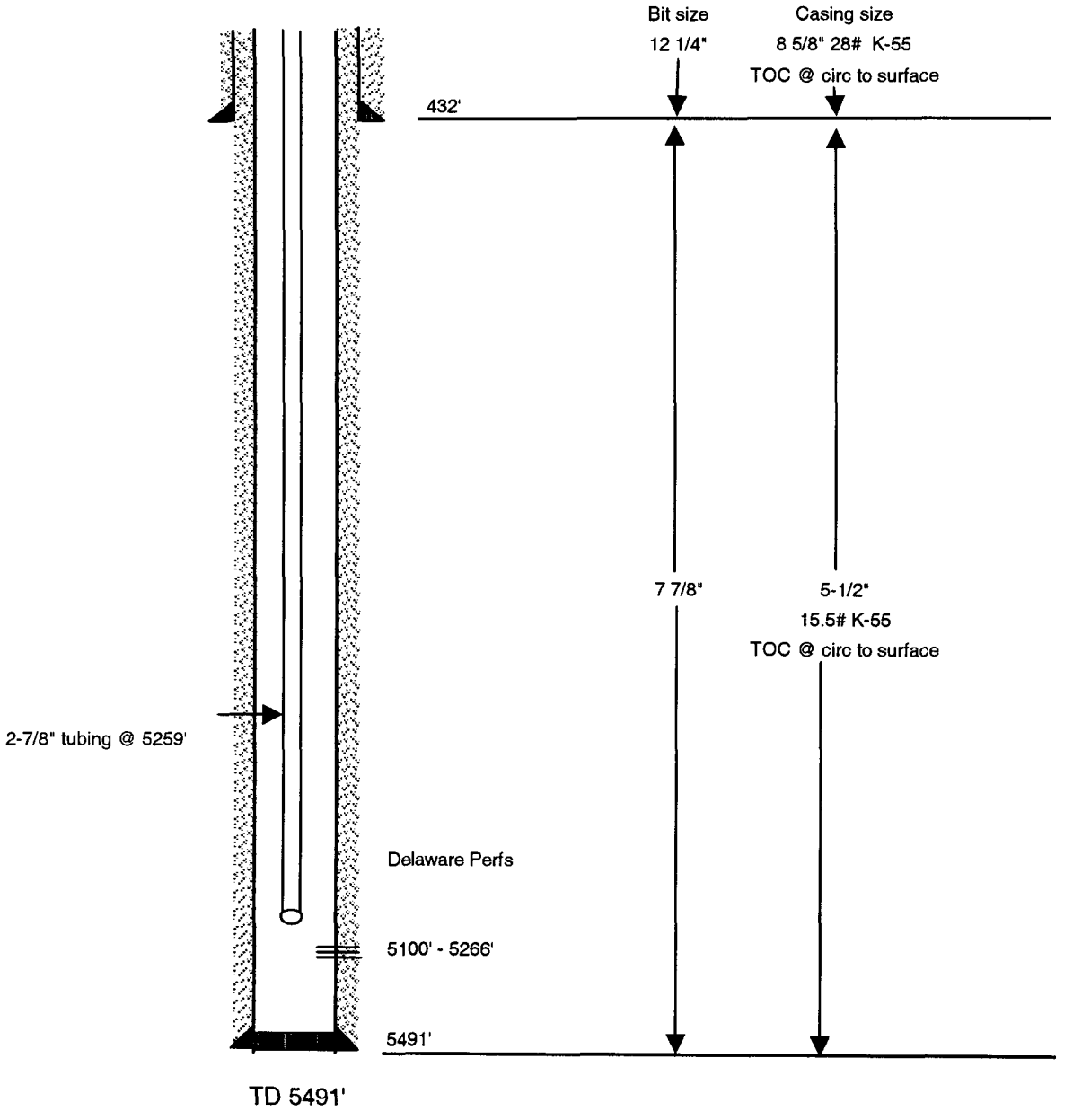
APPROVED BY Mary W. Wink TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE MAR 06 2007

Conditions of Approval, if any:

eog resources

# East Corbin Delaware Unit No. 5

660' FSL & 660' FWL
Sec. 15-18S-33E
Lea County, New Mexico
30-025-31922



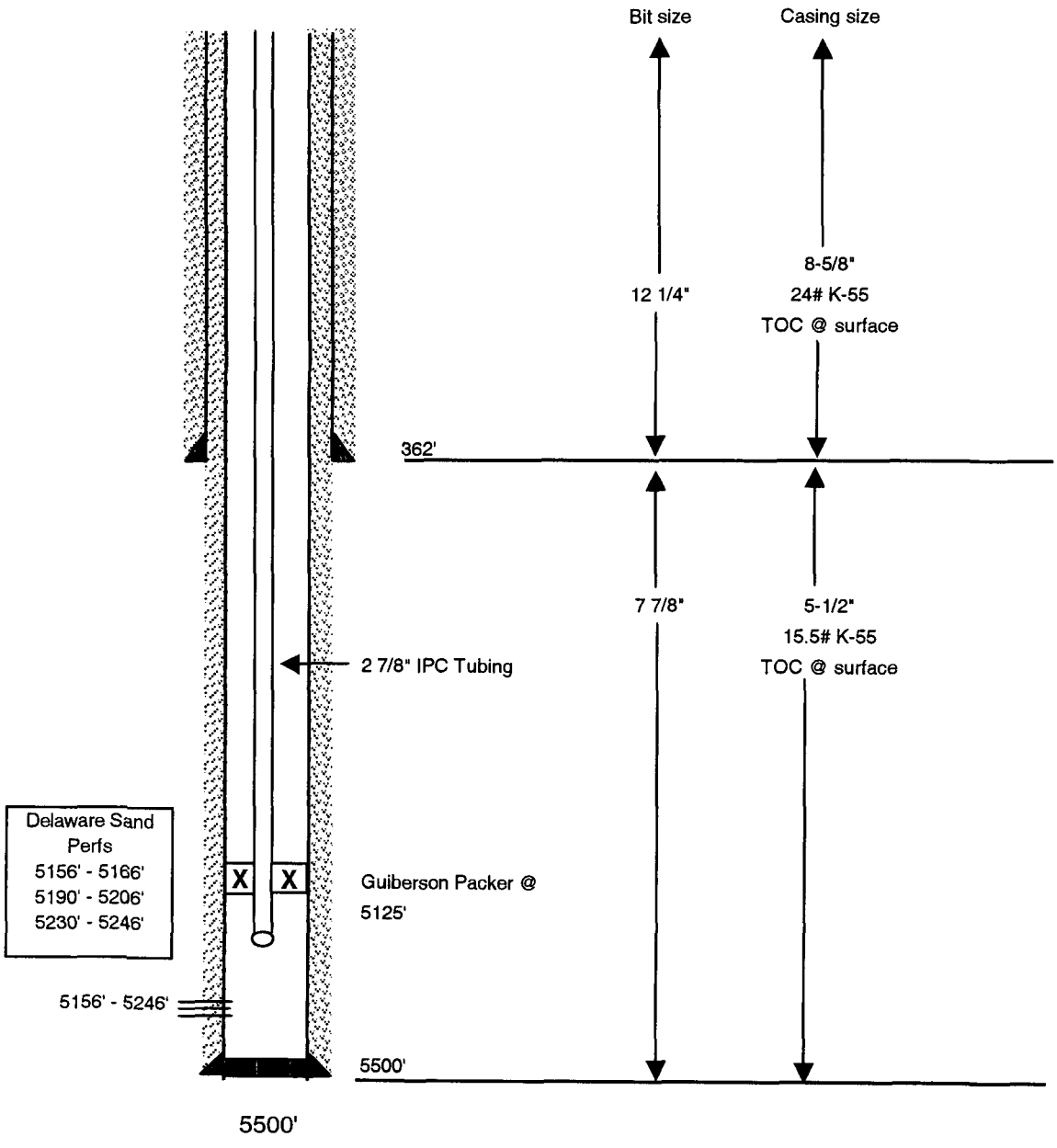

TD 5491'

2/27/2007

eog resources

# East Corbin Delaware Unit No. 6

779' FNL & 1943' FWL
Sec. 21-18S-33E
Lea County, New Mexico
30-025-30736

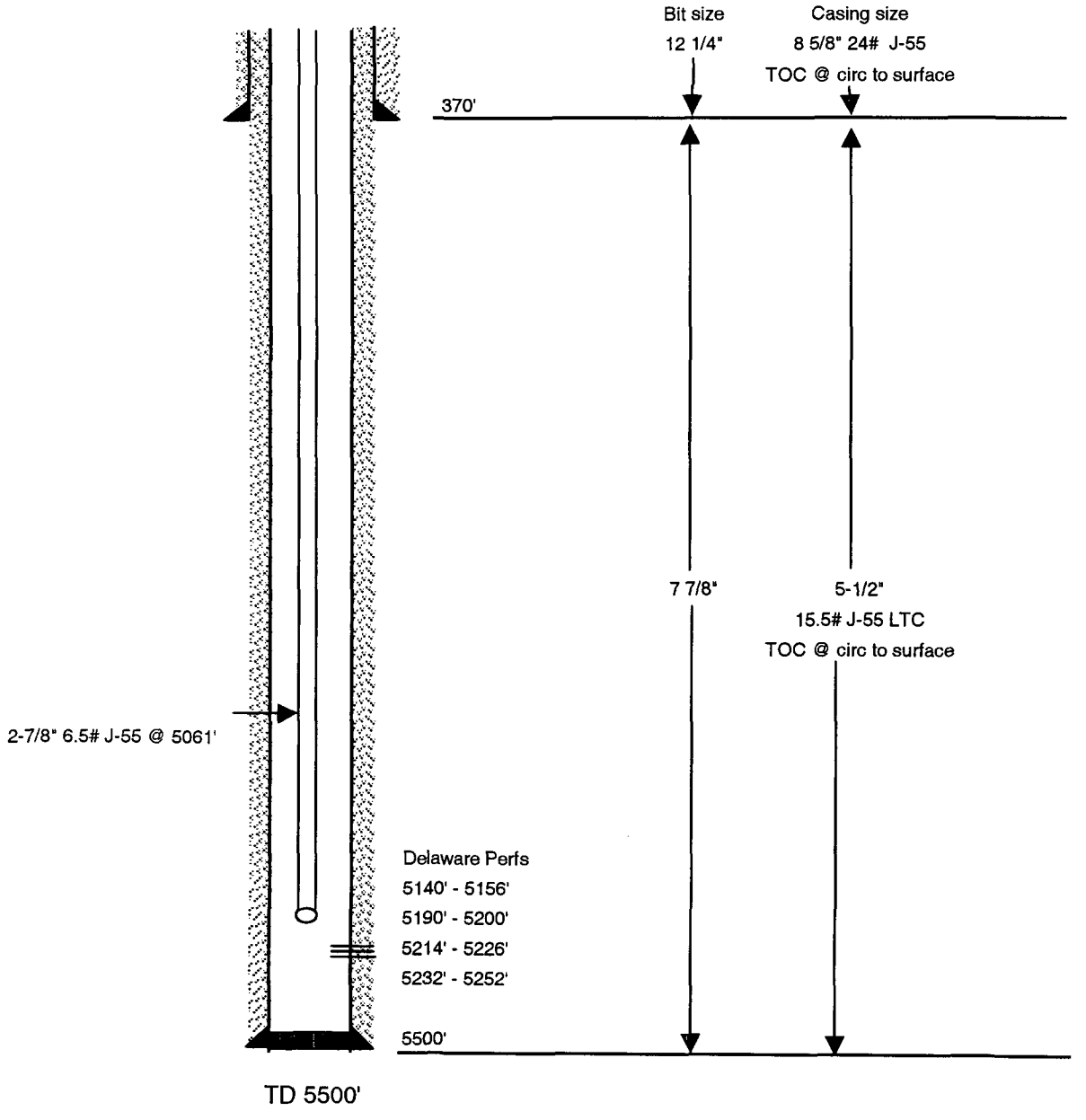



2/26/2007

eog resources

# East Corbin Delaware Unit No. 7

503' FNL & 1661' FEL
Sec. 21-18S-33E
Lea County, New Mexico
30-025-30758



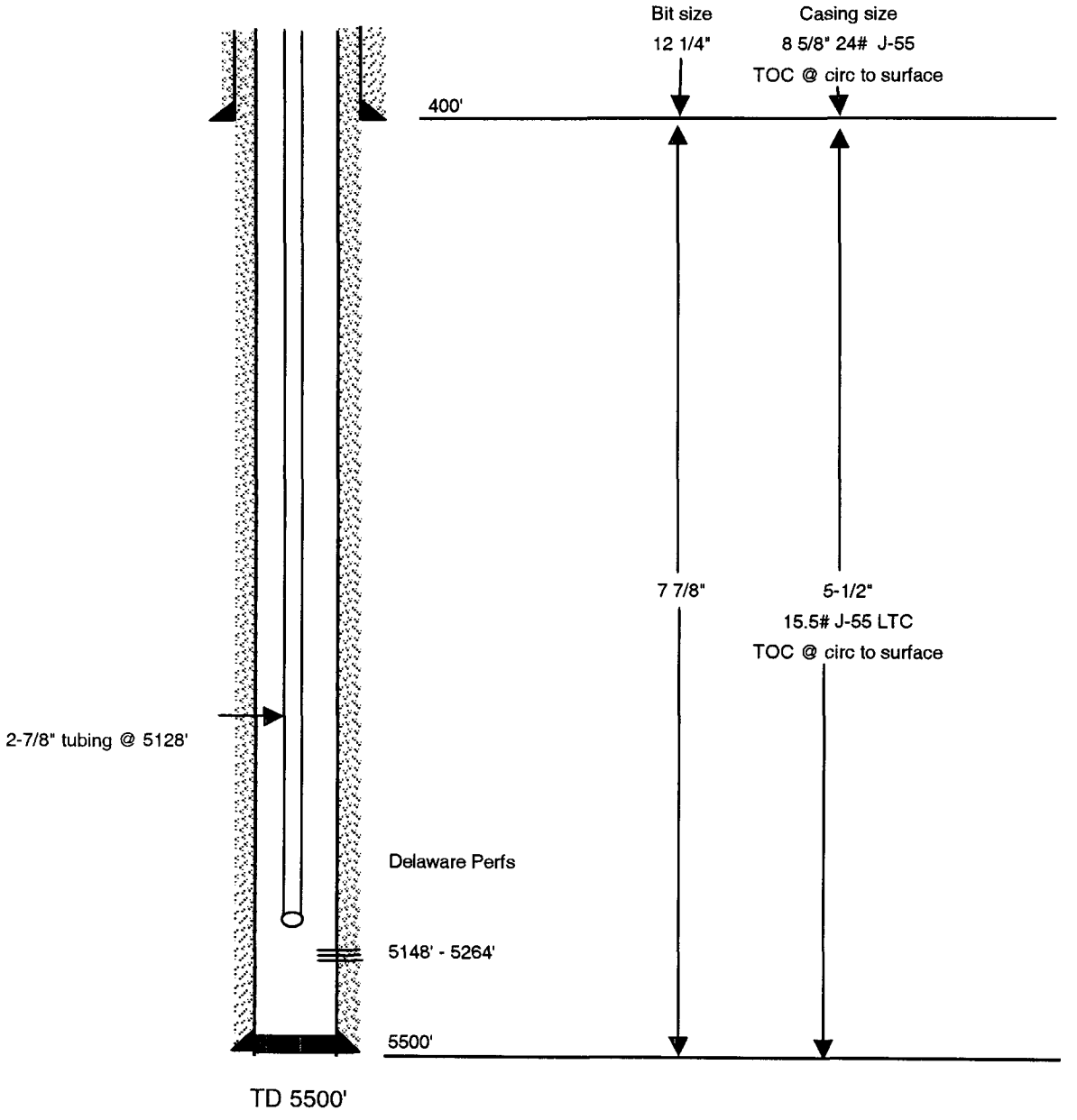

TD 5500'

2/23/2007

eog resources

# East Corbin Delaware Unit No. 8

530' FNL & 530' FEL
Sec. 21-18S-33E
Lea County, New Mexico
30-025-30973



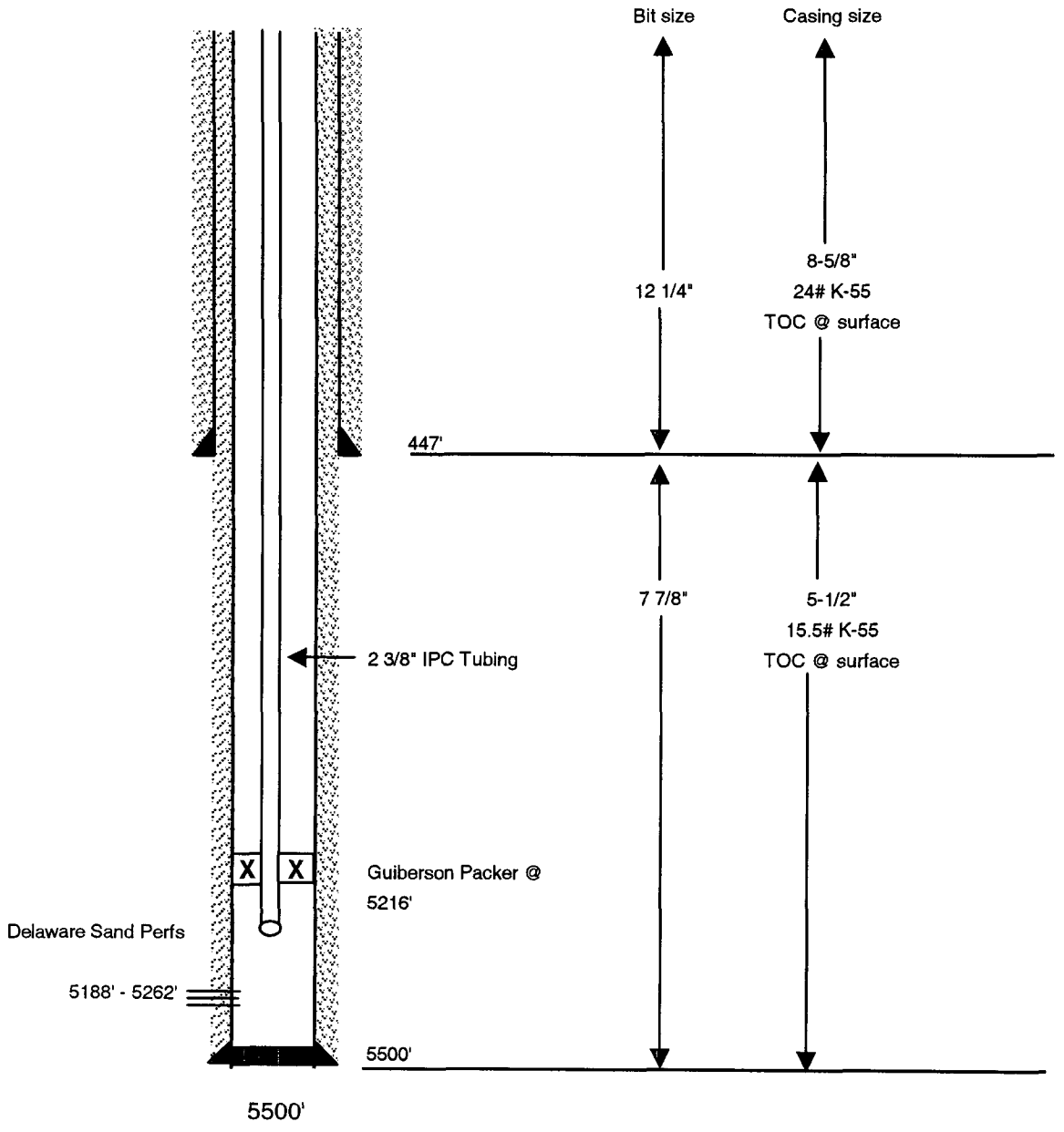

TD 5500'

2/26/2007

eog resources

# East Corbin Delaware Unit No. 9

1340' FNL & 990' FWL
Sec. 21-18S-33E
Lea County, New Mexico
30-025-32915

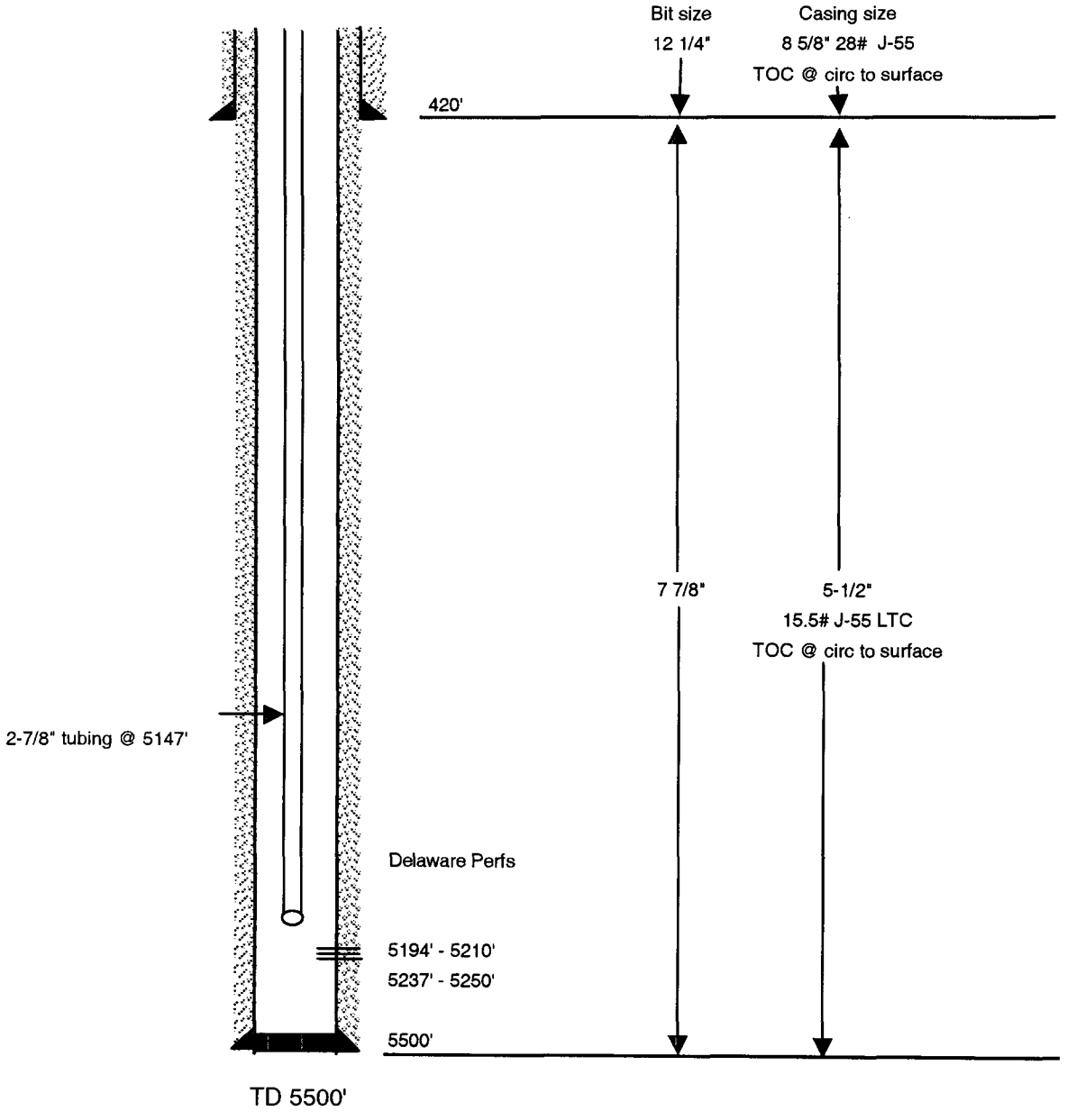



2/27/2007

eog resources

# East Corbin Delaware Unit No. 10

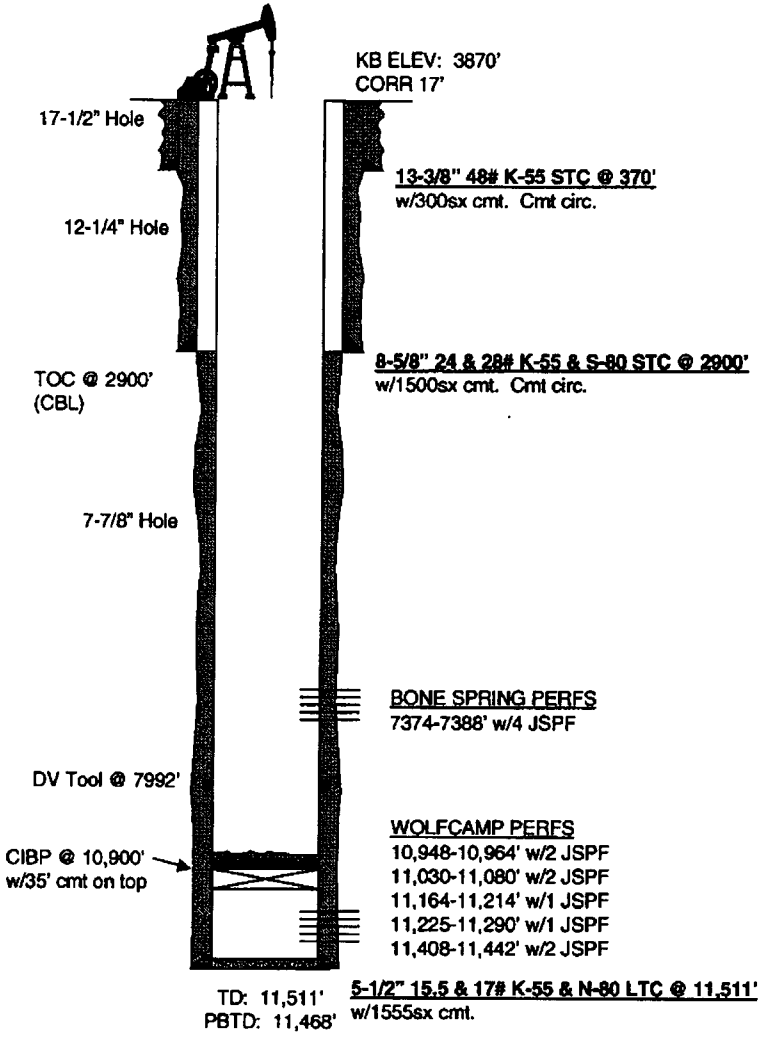
330' FNL & 330' FWL
Sec. 22-18S-33E
Lea County, New Mexico
30-025-31922




TD 5500'

2/26/2007

# FEDERAL "MA" #4
## Lea County, New Mexico




### DATA

**LOCATION**: 530' FNL & 1910' FEL, SEC 21, T18S, R33E
**COUNTY/STATE:** Lea County, New Mexico
**FIELD:** Corbin South **API#:** 30-025-30580
**SPUD DATE:** 5/16/89 **FED LEASE#:** LC-064944

**FORMATION:** Bone Spring (Current producing zone)
**COMPLETION DATE:** 1/9/96 **NMOCD FIELD #:**
**IPF:** 10 BOPD, 16 BWPD, 50 MCFPD
**PERFS:** 7,374-7,388'
**CUM PROD:** (as of 12/99) 5.9 MBO, 33.1 MMCF & 14.1 MBW

**FORMATION:** Wolfcamp (Original completion TA'd 1/5/96 under CIBP set @ 10,900')
**COMPLETION DATE:** 8/3/89 **NMOCD FIELD #:**
**IPP:** 316 BOPD, 52 BWPD, 392 MCFPD
**PERFS:** 10,498-11,442' OA
**CUM PROD:** (as of 12/97) 107.2 MBO, 151.2 MMCF & 4.6 MBW

### HISTORY

05/16/89 **Spud well. SET 13-3/8" 48# K-55 STC CSG @ 370'** in 17-1/2" hole w/300sx Cl C w/2% CaCl2 & ¼# Celloflake/sx. Cmt circ.

05/20/89 **SET 8-5/8" 24 & 28# K-55 & S-80 STC @ 2900'** in 12-1/4" hole w/1200sx Pacesetter Lite Cl C & 6% gel & 1#/sx Hyseal & 300sx Cl C w/2% CaCl2. Cmt circ.

06/10/89 **SET 5-1/2" 15.5 & 17# K-55 & N-80 LTC CSG @ 11,511'** in 7-7/8" hole. Cmt'd in 2 stgs w/905sx Cl H w/18% salt, 0.7% CF14, 0.2% AFS, cmt circ. Ppd 650sx Super H w/0.1% Diacel LWL & 880sx Cl H w/18# salt/sx, 0.2% AFS, cmt circ. DV tool @ 7992'.

07/07/89 Spot'd 500 gals 15% NEFE HCl acid @ 11,442'. Ran CBL/CCL/GR log. **PERF WOLFCAMP 11,408-11,442'** w/2 JSPF (69 holes).

# FEDERAL "MA" #4
## Lea County, New Mexico

07/09/89 **ACIDIZED PERFS 11,408-11,442'** w/3000 gals 15% NEFE HCl & 69 BS. Max TP 6000 psig, min TP 5000 psig, ATP 5500 psig. ISIP 5300 psig, 5" SIP 5000 psig, 10" SIP 4900 psig, 15" SIP 4900 psig. Swbd 91 BLW w/tr oil on last run.

07/11/89 Swbd dry in 9 hrs. Rec 3 BO, 12 BLW.

07/12/89 **PERF'D WOLFCAMP 11,164-11,214' & 11,225-11,290'** w/1 JSPF (117 holes). Swbd 22 BLW in 2.5 hrs, BFL 1200' FS, FFL 4800' FS.

07/13/89 Swbd 2 BO, 19 BW in 2 hrs. **ACIDIZED WOLFCAMP PERFS 11,164-11,290'** w/11,500 gals 15% NEFE HCl & 175 BS w/ball action, no ball-out. Max TP 5000 psig, min TP 4200 psig, ATP 4500 psig. AIR 4.7 BPM. ISIP 4100 psig, 5" SIP 3500 psig, 10" SIP 3200 psig, 15" SIP 2900 psig. Swbd 115 BLW in 5.5 hrs, FFL 3700' FS.

07/14/89 Swbd & flwd 84 BO & 72 BLW in 10.5 hrs. BFL 3500' FS, FFL 3700' FS.

07/15-18/89 Flwg by heads. F. 80 BO, 5 BW, 5 hrs (24 hr rate 384 BOPD & 24 BWPD).

07/27/89 **PERF'D WOLFCAMP 11,030-11,080'** w/2 JSPF (101 holes). Swbd 65 BLW in 4 hrs. FFL 10,900'.

07/28/89 **ACIDIZED PERFS 11,030-11,080'** w/5000 gals 15% NEFE HCl & 150 BS. Max TP 6200 psig, Min TP 4800 psig, ATP 5440 psig, AIR 3.4 BPM. ISIP 4600 psig, 5" SIP 4500 psig, 10" SIP 4350 psig, 15" SIP 4250 psig. Swbd 29 BO & 146 BLW, in 7.5 hrs. BFL surf, FFL 10,500' FS.

07/30/89 **PERF'D WOLFCAMP 10,948-10,964'** w/2 JSPF (33 holes). Swbd tr oil & 66 BW, 4.5 hrs. FFL 10,600' FS.

08/01/89 **ACIDIZED PERFS 10,948-10,964'** w/2500 gals 15% NEFE HCl & 50 BS, had ball-out. Max TP 5200 psig, min TP 100 psig, ATP 1900 psig, AIR 4.7 BPM. ISIP 900 psig, 5" SIP 500 psig, 10" SIP 200 psig, 15" SIP 50 psig. Swbd 57 BO & 92 BW, 6.5 hrs. Well flwg.

08/03/89 Put on pump.

08/08/89 **IPP. 316 BOPD, 52 BWPD, 392 MCFPD fr/Wolfcamp perfs10,948-11,442'.**

01/05/96 **Set CIBP @ 10,900'** w/35' cmt on top. **PERF'D BONE SPRING 7,374-7,388'** w/4 JSPF (56 holes).

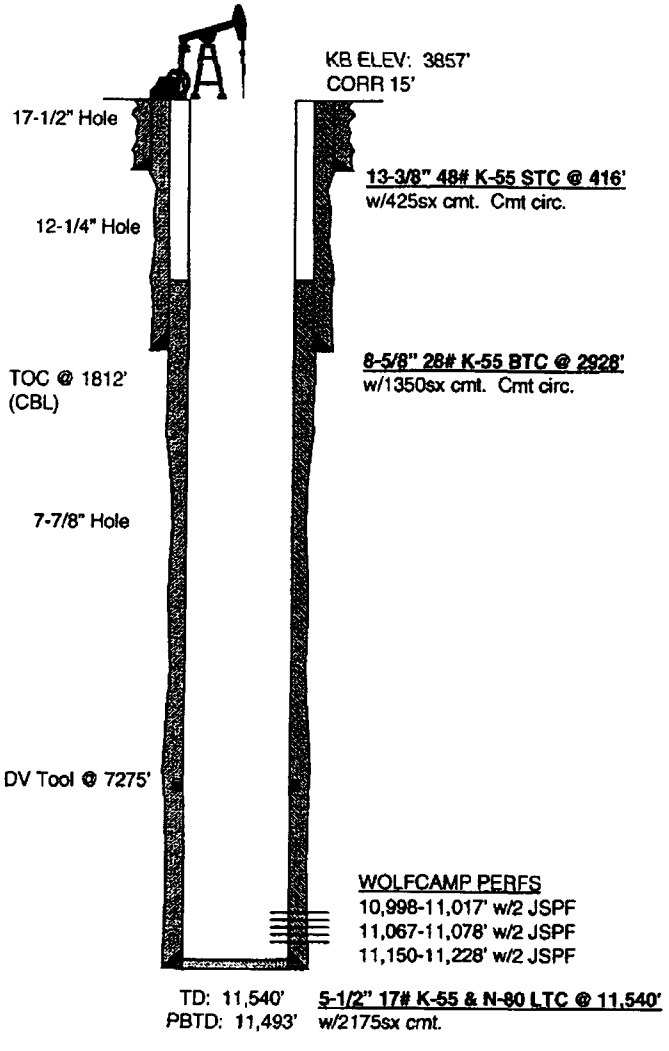
01/06/96 Spot acid on perfs & **ACIDIZE PERFS 7,374-7,388'** w/1500 gals 15% HCl. Max TP 3037 psig, ATP 2947 psig, AIR 3.7 BPM. ISIP 2479 psig, 15" SIP 1238 psig. **FRAC'D PERFS 7,374-7,388'** w/27,000 gals x-link gel & 67,000 # 20/40 Ottawa sd ramped 2-8 ppg (38,000# sd in formation due to termination of job due to high TP w/6 ppg sd on formation). Max TP 3818 psig, ATP 3137 psig, AIR 16 BPM. ISIP 3516 psig, 15" SIP 1851 psig.

01/07/96 Clean out sd & **put well on pump fr/Bone Spring 7,374-7,388'. P. 10 BOPD, 16 BWPD, 50 MCFPD**

12/19/97 **P. 1 BOPD, 5 BWPD, 22 MCFPD.**

10/06/98 **Memo in file recommending perf Bone Spring @ 9,496-9,514', but work not done.**

# FEDERAL "MA" #8
## Lea County, New Mexico




DATA

**LOCATION**: 2062' FNL & 769' FEL, SEC 21, T18S, R33E
**COUNTY/STATE:** Lea County, New Mexico
**FIELD:** Corbin South **API#:** 30-025-31492
**SPUD DATE:** 1/16/92 **FED LEASE#:** LC-064944
**FORMATION:** Wolfcamp
**COMPLETION DATE:** 2/24/92
**IPF:** 410 BOPD, 0 BWPD, 410 MCFPD
**PERFS:** 10,998-11,228' OA
**CUM PROD**: (as of 12/1/99) 142.5 MBO, 621 MMCF & 27 MBW

**HISTORY**

| | |
|---|---|
| 01/16/92 | **Spud well**. **SET 13-3/8" 48# K-55 STC CSG @ 416'** in 17-1/2" hole w/425sx Cl C w/2% CaCl2 & ¼# Celloflake/sx. Cmt circ. |
| 01/21/92 | **SET 8-5/8" 28# K-55 BTC @ 2928'** in 12-1/4" hole w/1100sx Cl C Lite w/6% gel, 15#/sx salt & 1#/sx Celloflake & 250sx Cl C w/2% CaCl2. Cmt circ. |
| 02/13/92 | **SET 5-1/2" 17# K-55 & N-80 LTC CSG @ 11,540'** in 7-7/8" hole. Cmt'd in 2 stgs w/525sx Cl C w/4% gel, 0.8% FL-20 & 2% R-3, & 400sx Cl H w/5% KCl, 0.9% FL-20 & 2% FWC-2, cmt circ. Ppd 525sx Cl C w/2% A-2, 5% KCL & 725sx Cl C w/3% KCL, 0.7% FL-20 & 2% FWC-2. DV tool @ 7275'. |
| 02/20/92 | Ran CBL/CCL/GR log. **TOC @ 1812' by CBL**. |
| 02/21/92 | **PERF WOLFCAMP 11,150-11,228'** w/2 JSPF (116 holes). Spot acid across perfs. |
| 02/22/92 | **ACIDIZED PERFS 11,150-11,228'** w/5600 gals 15% NEFE HCl & 232 BS. Balled off w/187 balls on spot. AIR 5.5 BPM, max TP 6200 psig, min TP 1800 psig, ATP 5400 psig. ISIP 200 psig, 5" SIP vac. Swbd 34 BO, 102 BLW in 8 hrs, FFL 500' FS. |
| 02/23/92 | Swbd to flwg. F. 211 BO 84 BW in 9 hrs. **Turned to prod**. |
| 02/24/92 | **IPF. 410 BOPD, 0 BWPD, 410 MCFPD fr/Wolfcamp perfs 11,150-11,228'.** |


Wgh Revised: 09/21/00

# FEDERAL "MA" #8
## Lea County, New Mexico

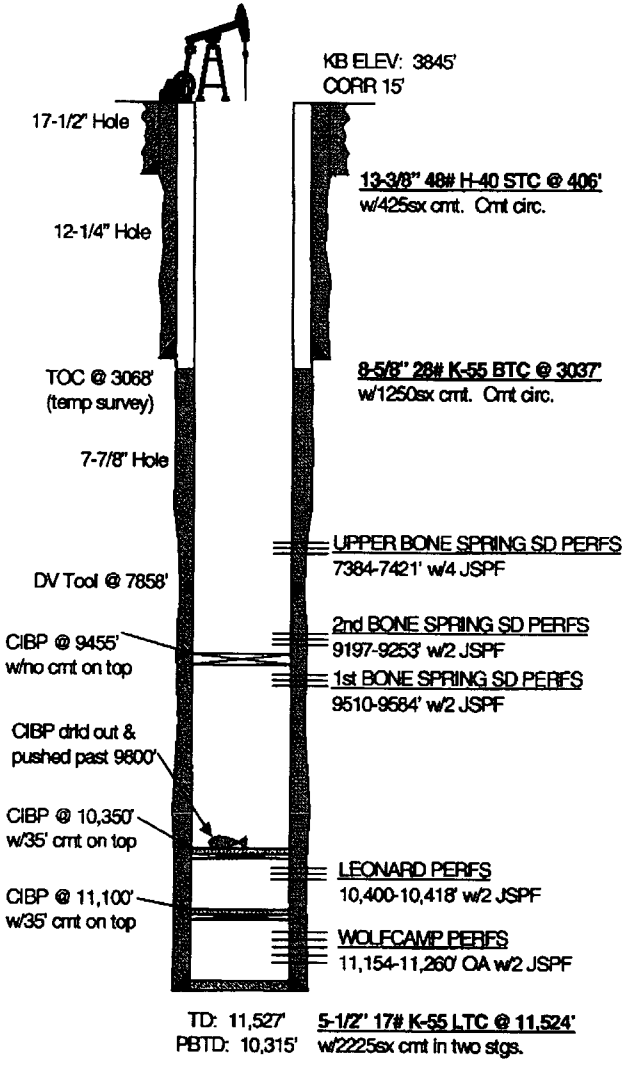
05/25/93 **PARAFFIN CLEANUP OF WOLFCAMP PERFS 11,150-11,228'** using 1-1/2" coil tbg w/PCT. Ppd 1500 gals AE aromatic across perfs followed by 3000 gals Pentol 250 (15% NEFE HCl) & flushed w/2% KCl wtr w/surfactant. AIR 1.9 BPM, max TP 2540 psig, min TP 950 psig, ATP 2150 psig. ISIP NA psig.

12/08/96 **Ppd CaSO4 scale converter on Wolfcamp perfs 11,150-11,228'.**

12/09/96 **PERF'D WOLFCAMP 10,998-11,017' & 11,067-11,078'** w/2 JSPF (62 holes).

12/11/96 **ACIDIZED PERFS 10,998-11,078'** w/4800 gals 15% NEFE HCl & 80 BS, good BA. AIR 4.2 BPM, max TP 5000 psig, ATP 4700 psig. ISIP 3362 psig, 5" SIP 1279 psig, 10" SIP 407 psig, 15" SIP 22 psig. Swab hung up in paraffin. Returned to prod.

# FEDERAL "MA" #10
## Lea County, New Mexico




DATA

**LOCATION**: 2180' FNL & 2020' FEL, SEC 21, T18S, R33E
**COUNTY/STATE:** Lea County, New Mexico
**FIELD:** Corbin South **API#:** 30-025-32124
**SPUD DATE:** 09/07/93 **FED LEASE#:** LC-064944

**FORMATION:** Wolfcamp (Original completion was TA'd 11/13/93)
**COMPLETION DATE:** none
**IPF:** Not IP'd in this zone due to direct communication w/Fed MA #9.
**PERFS:** 11,154-11,260' OA (SI under CIBP 11/13/93)

**FORMATION:** Leonard
**COMPLETION DATE:** none
**IPF:** Abandoned. Formation was non-commercial.
**PERFS:** 10,400-10,418' (SI under CIBP 11/19/93)

**FORMATION:** Bone Spring (Current producing zone)
**COMPLETION DATE:** 1/19/94 & 12/17/00
**IPP:** 84 BOPD, 145 BWPD & 35 MCFPD (gr 39 deg API)
**PERFS:** Upper Bone Spring Sd: 7384-7421'
1st Bone Spring Sd: 9510-9584'
2nd Bone Spring Sd: 9197-9253' (added 12/17/00)
**CUM PROD:** (as of 12/01/99) 53.2 MBO, 118.2 MMCF & 58.2 MBW

### HISTORY

| | |
|---|---|
| 09/07/93 | Southland Royalty **spudded well**. **SET 13-3/8" 48# H-40 STC CSG @ 406'** in 17-1/2" hole w/425sx Cl C w/2% CaCl2 & ¼# Flocelle/sx. Cmt circ. |
| 09/12/93 | **SET 8-5/8" 28# K-55 BTC @ 3037'** in 12-1/4" hole w/950sx Cl C Lite w/6% gel, 9#/sx salt & 1#/sx Celloseal & 300sx Cl C w/2% CaCl2. Cmt circ. |
| 10/06/93 | Ran GR/D-N/DLL-MSFL. |

# FEDERAL "MA" #10
## Lea County, New Mexico

10/07/93 **SET 5-1/2" 17# K-55 & N-80 LTC CSG @ 11,524'** in 7-7/8" hole. Cmt'd in 2 stgs w/300sx Cl H w/5% NACL & 0.5 CF-2, & 425sx Cl H w/0.6% CF-14A & 0.2% CF-2, cmt circ. Ppd 1300sx Cl H w/6% gel & 200sx Cl H. DV tool @ 7858'. TOC @ 3068' by temp survey.

10/19/93 Ran CCL/GR log. **PERF'D WOLFCAMP 11,154-11,156'; 11,182-11,242'; 11,250-11,260'** w/2 JSPF (164 holes). **ACIDIZED PERFS 11,154-11,260'** w/10,000 gals Pentol 250, 15% HCL & 250 BS (1.3 SG) @ 8 BPM. Max TP 4950 psig, min 0 psig, ATP 3200 psig. ISIP vac. Had good BA. 1st FL 5700'.

10/20-22/93 Swb'd to flowing.

10/25/93 F. 112 BO, 20 BLW, 23.5 hrs, FTP 220 psig, 24/64 ck. SI for PBU.

11/13/93 **ABANDON WOLFCAMP** due to direct communication w/Fed MA #9 (30 BOPD decrease). **Set CIBP @ 11,100'** w/35' cmt on top. **PERF'D LEONARD 10,400-10,418'** w/4 JSPF (72 holes).

11/14/93 **ACIDIZED PERFS 10,400-10,418'** w/2000 gals 20% HCL NEFE 250 Pentol using Sonic Hammer @ 0-20 psig.

11/15/93 Cut paraffin in tbg & hot oil. Swb'd 75 BLW, 300' entry last hr w/5% oil cut.

11/16/93 **ACIDIZED PERFS 10,400-10,418'** w/2000 gals Pentol 250 20% HCl w/150 BS @ 2 BPM. Max TP 4100 psig, min TP 10 psig, max IR 6.1 BPM.

11/19/93 **Swb'd 225 BW (118 BWOL) (sulfur wtr) in two days, no oil or gas. ABANDONED LEONARD. SET CIBP @ 10,350'** w/35' cmt on top.

12/22/93 **PERF'D BONE SPRING IN ACID @ 9,510-9,584'** w/2 JSPF (148 holes). **ACIDIZED PERFS 9510-9584'** w/3500 gals 5% DINE FE HCl & 250 BS. Max TP 3600 psig, ATP 2800 psig @ 9 BPM. ISIP 2600 psig, 5" SIP 2550 psig, 10" SIP 2500 psig, 15" SIP 2450 psig. Little BA.

12/23/93 **FRAC'D PERFS 9510-9584'** w/46,678 gals 35# Viking ID-35 w/131,000# 20/40 Econoprop @ 40 BPM. Max TP 3900 psig, ATP 3400 psig, min TP 2300 psig. ISIP 3000 psig, 5" SIP 2880 psig, 15" SIP 2850 psig. **Set CIBP @ 8000'. PERF'D UPPER BONE SPRING IN ACID @ 7384-7421'** w/4 JSPF (148 holes). **ACIDIZED PERFS 7384-7421'** w/2000 gals DINE FE Hel 5% w/250 BS @ 8 BPM. Max TP 4500 psig, min TP 2000 psig, ATP 2400 psig. Brk @ 3500 psig. Balled out. **FRAC'D PERFS 7384-7421'** w/27,000 gals Viking ID-35 w/77,000# 20/40 Econoprop @ 40 BPM. Max TP 4100 psig, ATP 3800 psig. Screened out w/57,000# sd in formation. ISIP 3800 psig.

12/28/93 **Drld & pushed CIBP to 9800'**. Ran ppg equip and put on production.

06/27/96 **Workover to remove CaCO4 scale. ACIDIZED PERFS 9510-9584'** using Sonic Hammer w/160 bbls 2% KCl, 45 bbls acid, 55 BW @ 3.3 BPM & 430 psig. **ACIDIZED PERFS 7384-7421'** using Sonic Hammer w/26 bbls acid & 43 BW @ 3.5 BPM & 570 psig. Well on vac.

12/06/00 **RECOMPLETE IN BONE SPRING. Set CIBP @ 9455'. PERF'D 2ND BONE SPRING SD 9197', 9198', 9204', 9205', 9212', 9214', 9216', 9218', 9219', 9220', 9221', 9229', 9230', 9231', 9251', 9252', 9253'** w/1 JSPF.

12/14/00 **BJ SERVICES FRAC'D PERFS 9197-9253'** dwn 3-1/2" tbg w/61,000 gals Viking D 2500 x-linked gel wtr & 131,720# 20/40 Super DC sand @ AIR 19 BPM & ATP 4900 psig, max TP 5800 psig. Sd conc. 1-4 ppg. ISIP 3050 psig, 15" SIP 2880 psig. SI 3 hrs. Flwd 253 BLW, 9 hrs, 8/64" ck, FTP 710 psig.

12/15/00 Flwd 55 BLW,2 hrs. TOH w/3-1/2" tbg.

12/16/00 Tagged top of sd @ 9286' w/slickline. Run 2-7/8" tbg, no pkr. Swbd 52 BW, 12 runs, last run 25% oil.

12/17/00 Swbd 48 BF, 25-30% oil cut, 13 runs. Ran rods & pmp & put on pump. **Have not drld out CIBP @ 9455'**.

eog resources

WELL: STATE "16" NO. 1
FORMATION: WOLFCAMP
SPUD DATE: 2/27/87

FIELD: SOUTH CORBIN (WOLFCAMP)
LOCATION: SEC 16 T18S R33E
1980' FSL & 1980' FEL
LEA COUNTY, NEW MEXICO
API NO.: 30-025-

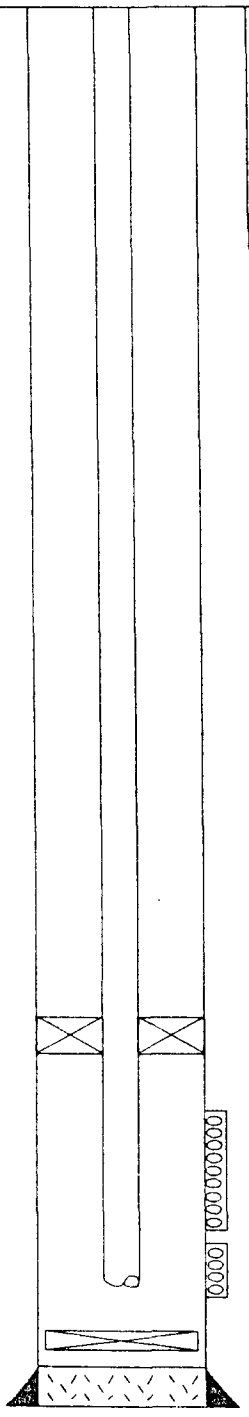
17 1/2" HOLE

372'

SURFACE CASING:
13 3/8" 48#/68# H-40 ST&C
350 SACKS CEMENT
TOC AT SURFACE

12 1/4" HOLE 3000'

SURFACE CASING:
9 5/8" 40# N-80 LT&C
1300 SACKS CEMENT
TOC AT SURFACE



TUBING:
2 7/8" 6.5# N-80 8RD EUE
SET AT +/-11300'

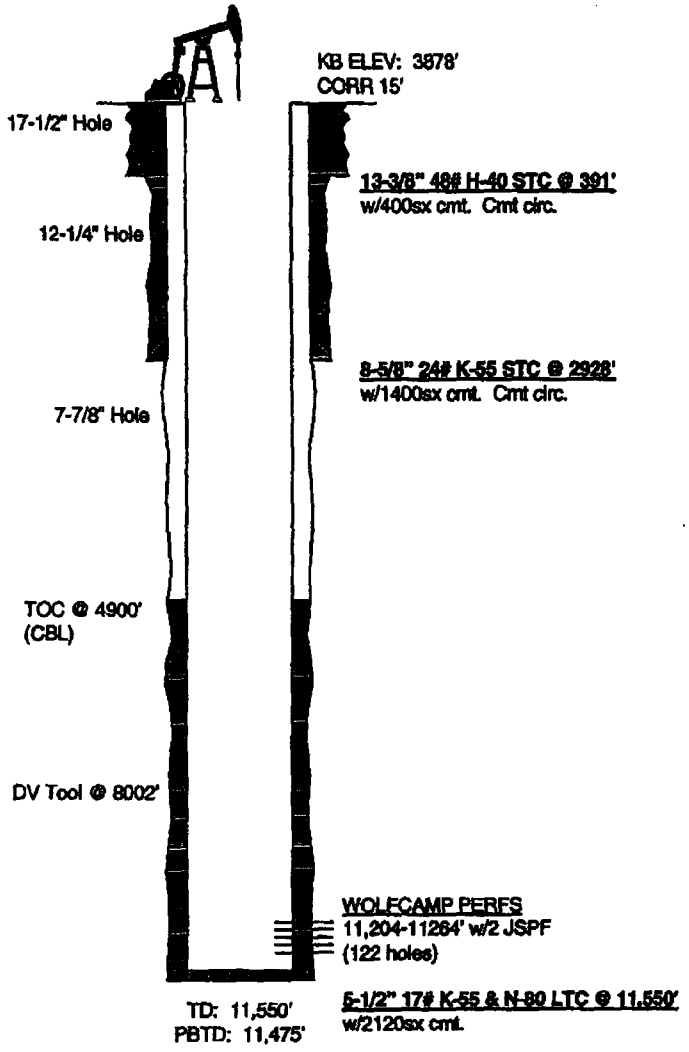
WOLFCAMP PERFS:
10878'-10888' (11 HOLES)
11036'-11046' (11 HOLES) SQUEEZED
11050'-11082' (33 HOLES) SQUEEZED
11231'-11247' (17 HOLES)
11269'-11303' (35 HOLES)

CIBP KNOCKED DOWN
TO 12100'

PBTD TD = 12250'
CASING TD = 12500'
7 7/8" HOLE TD = 12500'

PRODUCTION CASING:
5 1/2" 17# K-55/N-80/S-95 LT&C
DV TOOL AT 8510'
2815 SACKS CEMENT
TOC AT 2075' (TEMP)

# STATE "16" # 7
## Lea County, New Mexico




### DATA

**LOCATION**: 510' FSL & 660' FEL, SEC 16, T18S, R33E
**COUNTY/STATE:** Lea County, New Mexico
**FIELD:** Corbin South **API#:** 30-025-31044
**SPUD DATE:** 11/3/90 **STATE LEASE#:** LG-4087
**FORMATION:** Wolfcamp
**COMPLETION DATE:** 12/20/90
**IPP:** 461 BOPD, 0 BWPD, 450 MCFPD
**PERFS:** 11,204-11,264' OA
**CUM PROD**: (as of 3/1/00) 365 MBO, 807 MMCF, 13.9 MBW

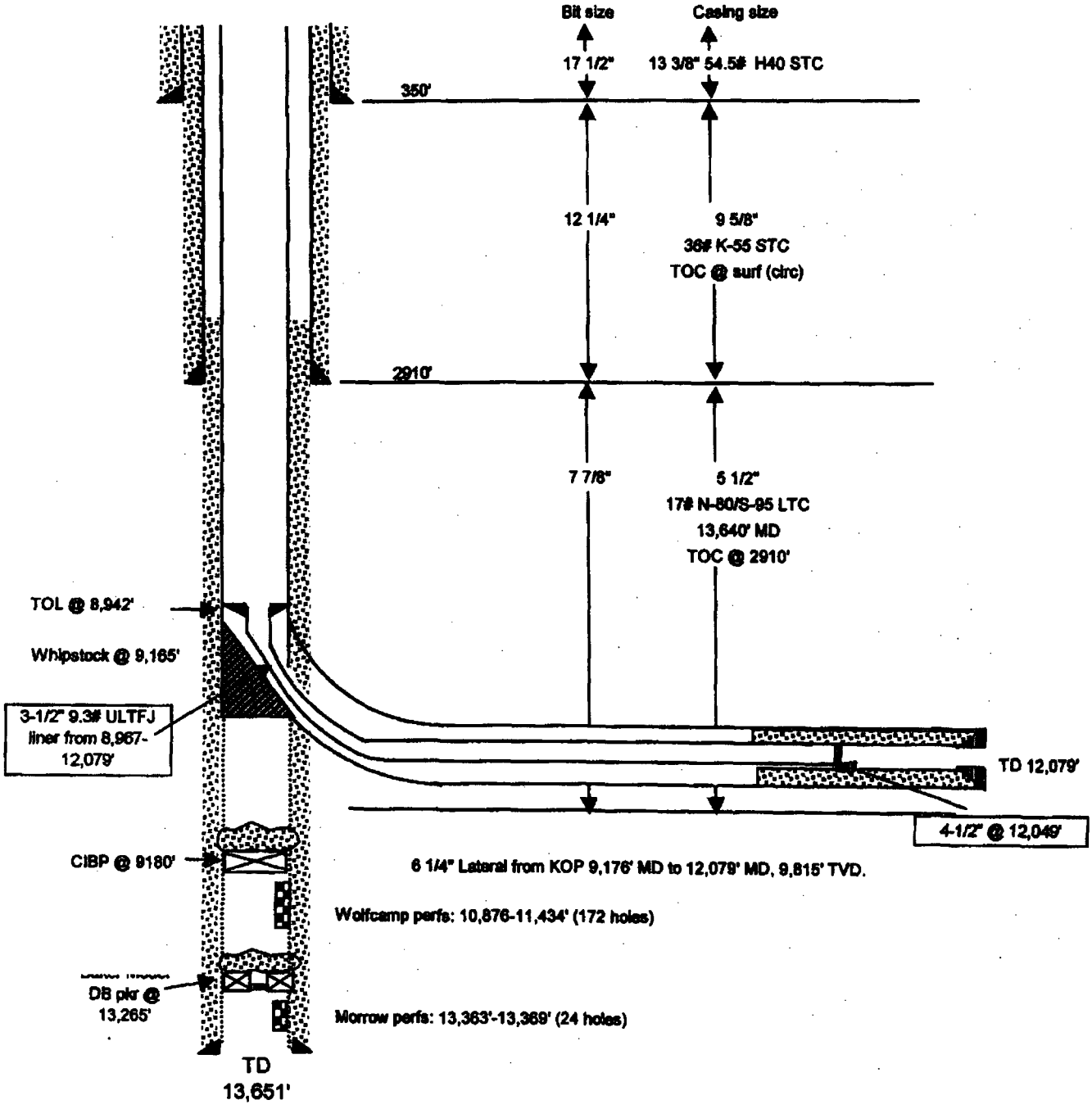
### HISTORY

| | |
|---|---|
| 11/03/90 | **Spud well. SET 13-3/8" 48# K-55 STC CSG @ 391'** in 17-1/2" hole w/400sx Cl C w/2% CaCl2 & ¼# Celloflake/sx. Cmt circ. |
| 11/07/90 | **SET 8-5/8" 24# K-55 & S-80 STC @ 2928'** in 12-1/4" hole w/1150sx Cl C Lite w/15# salt & ¼# Celloseal/sx & 250sx Cl C w/2% CaCl2. Cmt circ. |
| 11/30/90 | **SET 5-1/2" 17# K-55 & N-80 LTC CSG @ 11,550'** in 7-7/8" hole. Cmt'd in 2 stgs w/320sx Super H w/5% salt, 0.5% CF-2, 0.5% Diacel LWL & 450sx Cl H w/0.2% CF-9, 0.2% TF-4 & 3% KCl, cmt circ. Ppd 1050sx Cl H lite & 300sx Cl H. DV tool @ 8002'. TOC @ 4900' by CBL. |
| 12/10/90 | Ran CBL/CCL/GR log. **PERF WOLFCAMP 11,204-11,264'** w/2 JSPF (122 holes). |
| 12/11/90 | **ACIDIZED PERFS 11,204-11,264'** w/6000 gals 15% NEFE HCl & 185 BS. Fmtn brk fr/5300 to 2700 psig @ 5.5 BPM. Swbd 20 BLW in 2 hrs. |
| 12/12/90 | Swbd 21 BO, 140 BLW, 10 hrs. FFL 1900' & scat. 40% oil cut at end of day. |
| 12/14/90 | F. 221 BO, 12 BLW, 14 hrs & turned to prod. FTP 255 psig on 32/64" ck. **Ran FP grad & SI for 72 hr PBU**. p*=2859 psig, k=2.04 md, S=6.15 |
| 12/20/90 | **IPF: 461 BOPD, 0 BWPD, 450 MCFPD**, FTP 310 psig on 32/64" ck. |
| 05/23/93 | **PARAFFIN CLEANOUT WOLFCAMP PERFS 11,204-11,264'** using coiled tubing. Ppd 1500 gals AE aromatic |

eog resources

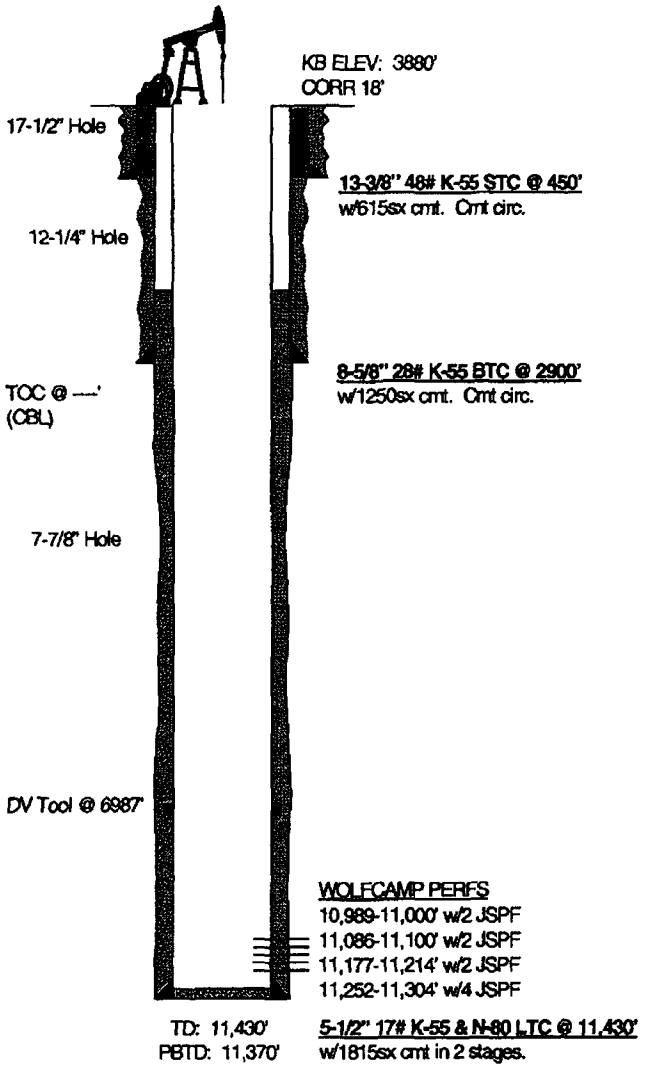
# State 16 No.2H R/E

1980' FWL & 657' FSL
Sec. 16-18S-33E
Lea County, New Mexico
API 30-015-30262
103104




2/15/2005

# AZTEC FEDERAL "22" #2
## Lea County, New Mexico




### DATA

**LOCATION**: 660' FNL & 660' FWL, SEC 22, T18S, R33E
**COUNTY/STATE:** Lea County, New Mexico
**FIELD:** Corbin South
**FORMATION:** Wolfcamp **API#:** 30-025-31278
**SPUD DATE:** 7/2/91 **NMOCD FIELD #:**
**COMPLETION DATE:** 8/13/91 **NMOCD LEASE#:**
**IPF:** F. 421 BO, 7 BLW, 19 hrs. FTP 280 psig, 24/64" ck
**PROD METHOD:** Pumping
**PERFS:** 10,989'-11,304'

### HISTORY

| | |
|---|---|
| 07/02/91 | **Spud well.** |
| 07/03/91 | **SET 13-3/8" 48# STC CSG @ 450'** in 17-1/2" hole w/615sx cmt. Cmt circ. |
| 07/07/91 | **SET 8-5/8" 28# K-55 BUTT @ 2900'** in 12-1/4" hole w/1250sx cmt. Cmt circ. |
| 08/03/91 | **SET 5-1/2" 17# K-55 & N-80 LTC CSG @ 11,430'** in 7-7/8" hole w/815sx & 1000sx cmt in 2 stages w/DV tool @ 6987'. |
| 08/10/91 | Ran CET log. **PERF WOLFCAMP 11,252-11,304'** w/4 JSPF (212 holes) |
| 08/11/91 | **ACIDIZED PERFS 11,252-11,304'** w/5200 gals 15% NEFE HCl & 300 BS. Good BA. ISIP 1300 psig, vac in 1-1/2 min. Swbd 75 BLW to flwg. |
| 08/12/91 | F. 343 BO, 19 BLW, 18 hrs. FTP 260 psig, 24/64" ck. |
| 08/13/91 | **F. 421 BO, 7 BLW, 19 hrs. FTP 280 psig, 24/64" ck.** |
| 11/??/92 | **Put well on rod pmp.** |
| 03/15/97 | **PERF'D WOLFCAMP 10,989-11,000'; 11,086-11,100'; 11,177-11,214'** w/2 JSPF. |
| 03/16/97 | **ACIDIZED PERFS 11,177-11,214'** w/200 gals Ferchek SC acid, 2000 gals 15% HV-60 w/100 BS & 3000 gals 15% VCA @ 6.5 BPM & max TP 112 psig. ISIP vac, **SPOT 200 GALS ACID ON PERFS 10,989-11,100'**. Brk @ 4725 psig. Ppd 1000 gals 15% HV-60 acid @ 0.75 BPM & 4950 psig. ISIP 4750 psig, 15" SIP 2058 psig. |
| 03/19/97 | S. dry in 3 runs. Put on prod. |


Wgh Revised: 07/07/00

solvent & 3000 gals Pentol 250 (15% NEFE) & flushed w/2% KCl wtr.

08/11/95 **Installed ppg equipment.**

## Catanach, David, EMNRD

**From:** Stan_Wagner@eogresources.com
**Sent:** Friday, March 23, 2007 8:32 AM
**To:** Catanach, David, EMNRD
**Subject:** Re: ECDU No. 3

David,

TOC for State 16-2H is 2914'. TOC for Aztec Fed 22-2 is 3016' CBL.
I am having the project engineer look at the State 16-7. I will get back with you as soon as I hear from him.

Thanks,

Stan Wagner
EOG Resources

**"Catanach, David, EMNRD" <david.catanach@state.nm.us>**

03/22/2007 03:08 PM

To <stan_wagner@eogresources.com>
cc
Subject ECDU No. 3

Stan,

I am reviewing your application to convert the subject well to injection. Can you please provide me with the following information?

TOC behind the 5.5" production casing in the State "16" No. 2H 16-18S-33E
TOC behind the 5.5" production casing in the Aztec Federal "22" No. 2 22-18S-33E

Also, I'm a little concerned about the cement top in the State "16" No. 7 16-18S-33E. You report a TOC @ 4,900'.
Can you have someone look at the logs for this well and tell me where the correlative injection interval is in this well.
Is it adequately covered by cement?

Thanks,

David Catanach
Engineer

## Catanach, David, EMNRD

**From:** Catanach, David, EMNRD
**Sent:** Thursday, March 22, 2007 2:08 PM
**To:** 'stan_wagner@eogresources.com'
**Subject:** ECDU No. 3

Stan,

I am reviewing your application to convert the subject well to injection. Can you please provide me with the following information?

TOC behind the 5.5" production casing in the State "16" No. 2H 16-18S-33E
TOC behind the 5.5" production casing in the Aztec Federal "22" No. 2 22-18S-33E

Also, I'm a little concerned about the cement top in the State "16" No. 7 16-18S-33E. You report a TOC @ 4,900'.
Can you have someone look at the logs for this well and tell me where the correlative injection interval is in this well.
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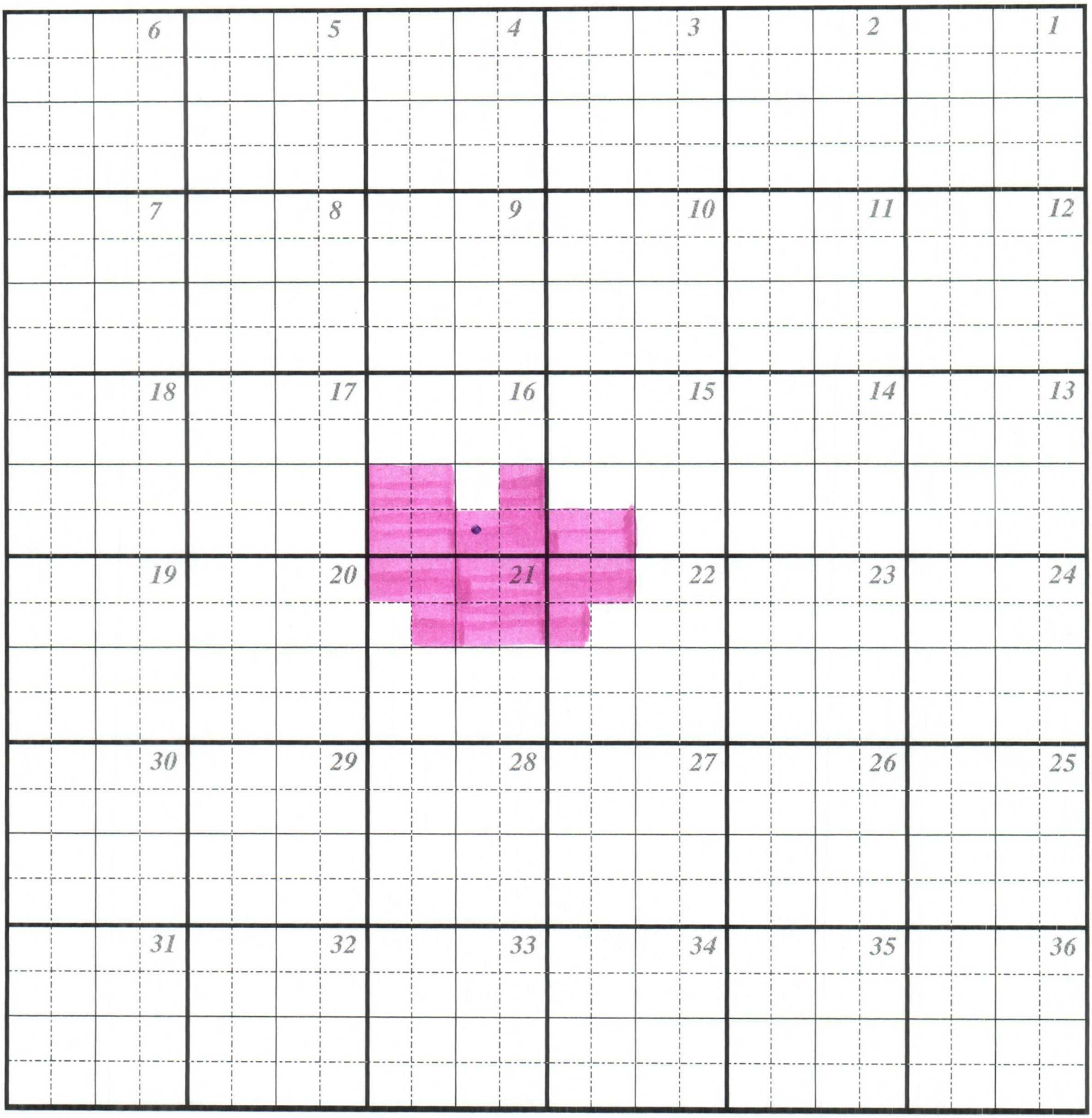
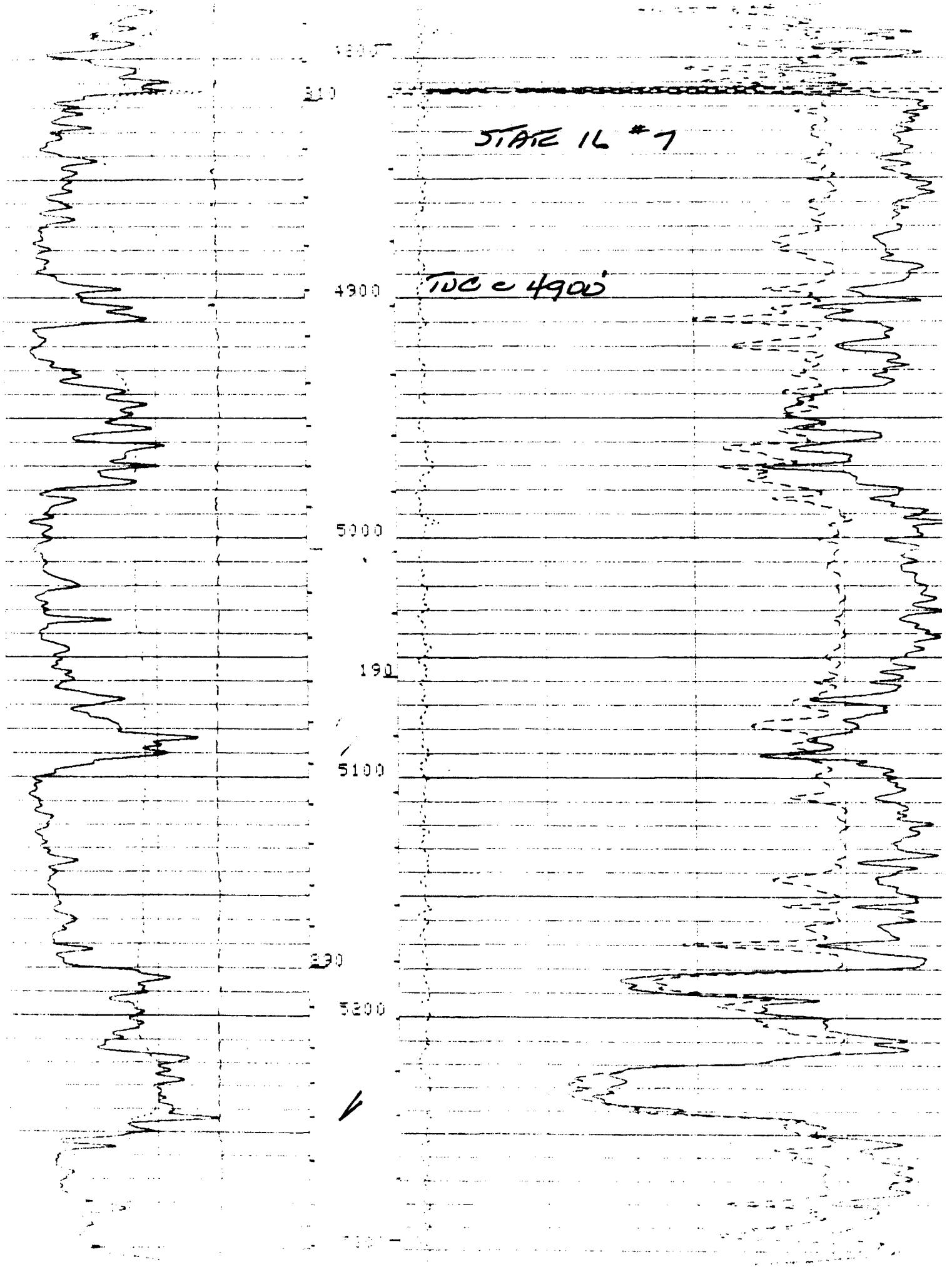
Thanks,

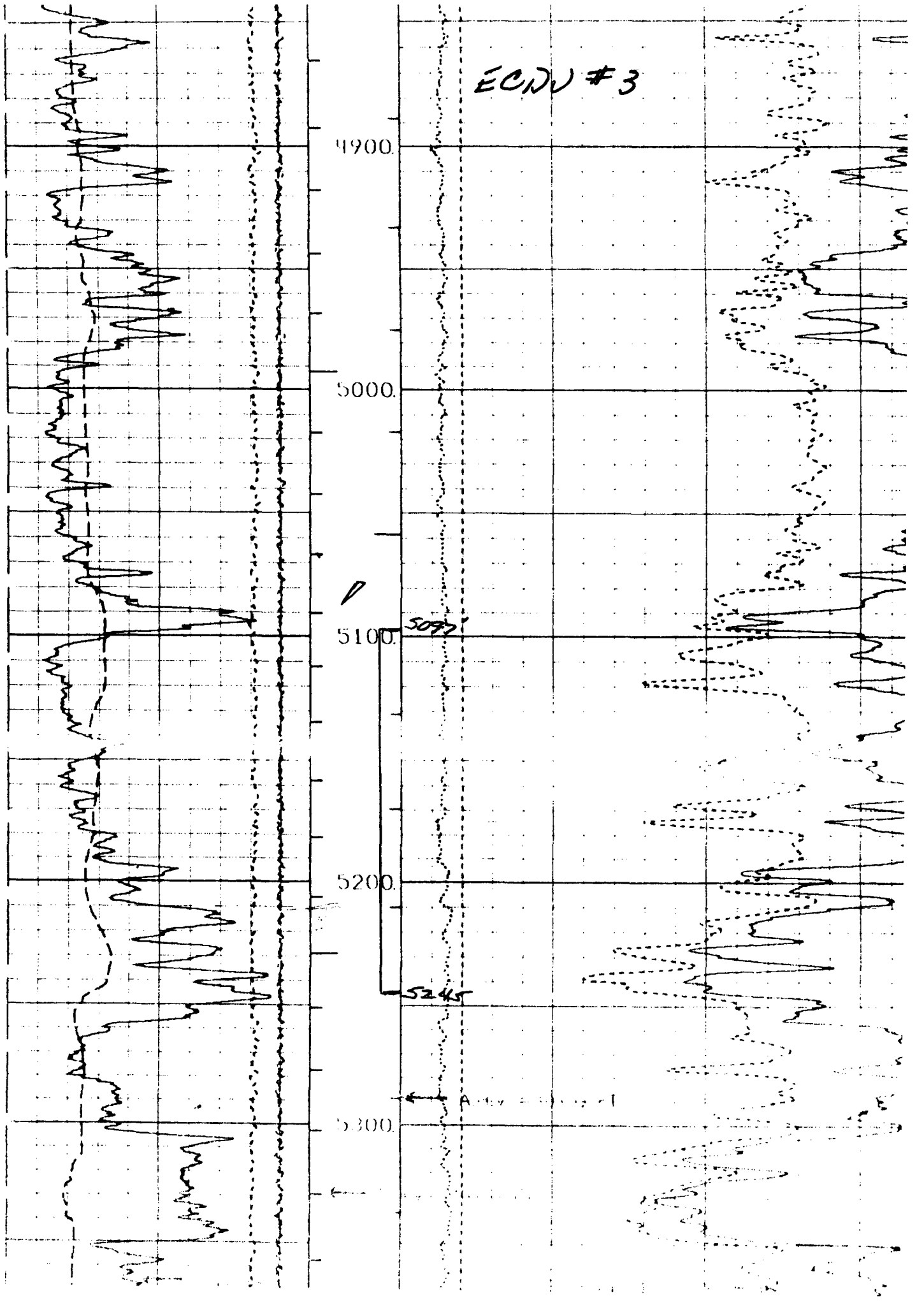
David Catanach
Engineer




**Township** 18 **Range** 33

West Carbon Delaware Pool


STATE IL #7
TOC @ 4900'
4900
5000
5100
5200


ECDV #3
4900.
5000.
5100.
5097
5200.
5245
5300.

## Catanach, David, EMNRD

**From:** Catanach, David, EMNRD
**Sent:** Monday, March 26, 2007 1:48 PM
**To:** 'Stan_Wagner@eogresources.com'
**Subject:** RE: ECDU No. 3

Thanks Stan. One more thing. I found that the well location is actually 660' FSL & 1890' FEL. It was moved because of a pipeline. I will go ahead and issue
the permit, however, I think it would be a good idea to re-notify the surface owner and re-publish the ad with the correct well location. Once you do that, please send me
a copy of the letter and a copy of the ad.

Thanks,

David

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**From:** Stan_Wagner@eogresources.com [mailto:Stan_Wagner@eogresources.com]
**Sent:** Monday, March 26, 2007 10:11 AM
**To:** Catanach, David, EMNRD
**Subject:** Re: ECDU No. 3

David,

Attached is the log correlation for the East Corbin 3 and the State 16-7. TOC looks to be approx 200' above injection interval.
If you have questions, technical contact is Charlie Aupied 432 686 3616.

Thanks,
Stan Wagner
EOG Resources

**"Catanach, David, EMNRD"**
**<david.catanach@state.nm.us>**

03/22/2007 03:08 PM

To <stan_wagner@eogresources.com>
cc
Subject ECDU No. 3

Stan,

I am reviewing your application to convert the subject well to injection. Can you please provide me with the following information?

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TOC behind the 5.5" production casing in the Aztec Federal "22" No. 2 22-18S-33E

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Thanks,

David Catanach
Engineer