

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage  
Application qualifies for administrative approval? ☐ yes ☐ no
- II. Operator: Devon Energy Operating Corporation  
Address: 20 North Broadway, Suite 1500, Oklahoma City, OK 73102  
Contact party: Randy Jackson Phone: (405) 552-4560
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☒ yes ☐ no Refer to Attachment(s) III  
If yes, give the Division order number authorizing the project R-2268.
- 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. Refer to Attachment I
- \* 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.  
Refer to Attachment VI
- 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.).  
Refer to Attachment VII
- \*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. **DEC 18 1995**
- \* X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.) This information is on file with the OCD.
- \* 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. No fresh water wells in this area.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.  
Refer to Attachment XII
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.  
Refer to Attachment
- 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: Randy Jackson Title: District Engineer  
Signature: Randy Jackson Date: 11/28/95
- \* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

## III. WELL DATA

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

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

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

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

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

## XIV. PROOF OF NOTICE

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

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

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

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

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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.

## CHECKLIST for ADMINISTRATIVE INJECTION APPLICATIONS

Operator: DEVON ENERGY CORP. Well: KEEL - WEST W<sup>E</sup> PROJ. - 14 WELLS

Contact: DIANA KEYS Title: ENG. ASST. Phone: 405.552.4511

DATE IN 12.18.95 RELEASE DATE 1.2.96 DATE OUT \_\_\_\_\_

Proposed Injection Application is for: ☒ **WATERFLOOD** ☒ **Expansion** ☐ **Initial**

Original Order: R- 2268 ☒ **Secondary Recovery** ☐ **Pressure Maintenance**

~~SENSITIVE AREAS~~

☐ **SALT WATER DISPOSAL** ☐ **Commercial Well**

~~☐ **WIPP** ☐ **Capitan Reef**~~

Data is complete for proposed well(s)? YES Additional Data Req'd \_\_\_\_\_

### AREA of REVIEW WELLS

145 Total # of AOR

12 # of Plugged Wells

☒ Tabulation Complete

HAVE 6 <sup>NEED 6</sup> Schematics of P & A's

☒ Cement Tops Adequate

☐ AOR Repair Required

### INJECTION FORMATION

Injection Formation(s) GRAYBORG / SAN ANGELES Compatible Analysis YES

Source of Water or Injectate AREA PRODUCTION + FRESH WATER MAKE-UP

### PROOF of NOTICE

YES Copy of Legal Notice

YES Information Printed Correctly

YES Correct Operators

YES Copies of Certified Mail Receipts

NO Objection Received

N/A Set to Hearing \_\_\_\_\_ Date

NOTES: Need P&A SCHEMATICS ON <sup>WEST</sup> B-4, B-2, B-16, B-28, WEST #3 & KEEL B-1  
A-11, B-37, B-1, B-48

APPLICATION QUALIFIES FOR ADMINISTRATIVE APPROVAL? YES

### COMMUNICATION WITH CONTACT PERSON:

1st Contact:	<input type="checkbox"/> Telephoned	<input checked="" type="checkbox"/> Letter	<u>1.8.96</u>	Date	Nature of Discussion	<u>P&amp;A SCHEMATICS NEEDED</u>
2nd Contact:	<input checked="" type="checkbox"/> Telephoned	<input type="checkbox"/> Letter	<u>2.6.96</u>	Date	Nature of Discussion	<u>REMOVED SOME WELLS FROM APP.</u>
3rd Contact:	<input type="checkbox"/> Telephoned	<input type="checkbox"/> Letter	_____	Date	Nature of Discussion	_____



*NOT INCLUDED IN ATTACHED MAPS  
SENT BY APP  
SPOTTED ON LIGHT  
DEVELOPERS*

✓ H.E. West "B" #5  
1980' FNL 1980' FWL  
Section 4-17S-31E  
Eddy County, NM

*w/p* ~~H.E. West "A" #11  
1980' FNL 1980' FWL  
Section 3-17S-31E  
Eddy County, NM~~

✓ H.E. West "A" #16  
1980' FNL 1980' FWL  
Section 3-17S-31E  
Eddy County, NM

✓ H.E. West "A" #6  
1980' FNL 660' FEL  
Section 4-17S-31E  
Eddy County, NM

✓ H.E. West "B" #1  
660' FNL 1980' FEL  
Section 10-17S-31E  
Eddy County, NM

✓ H.E. West "B" #27  
660' FSL 1980' FWL  
Section 3-17S-31E  
Eddy County, NM

✓ H.E. West "B" #32  
1980' FSL 660' FWL  
Section 10-17S-31E  
Eddy County, NM

✓ H.E. West "B" #37  
1980' FSL 1980' FEL  
Section 3-17S-31E  
Eddy County, NM

✓ H.E. West "B" #39  
1980' FNL 1980' FWL  
Section 9-17S-31E  
Eddy County, NM

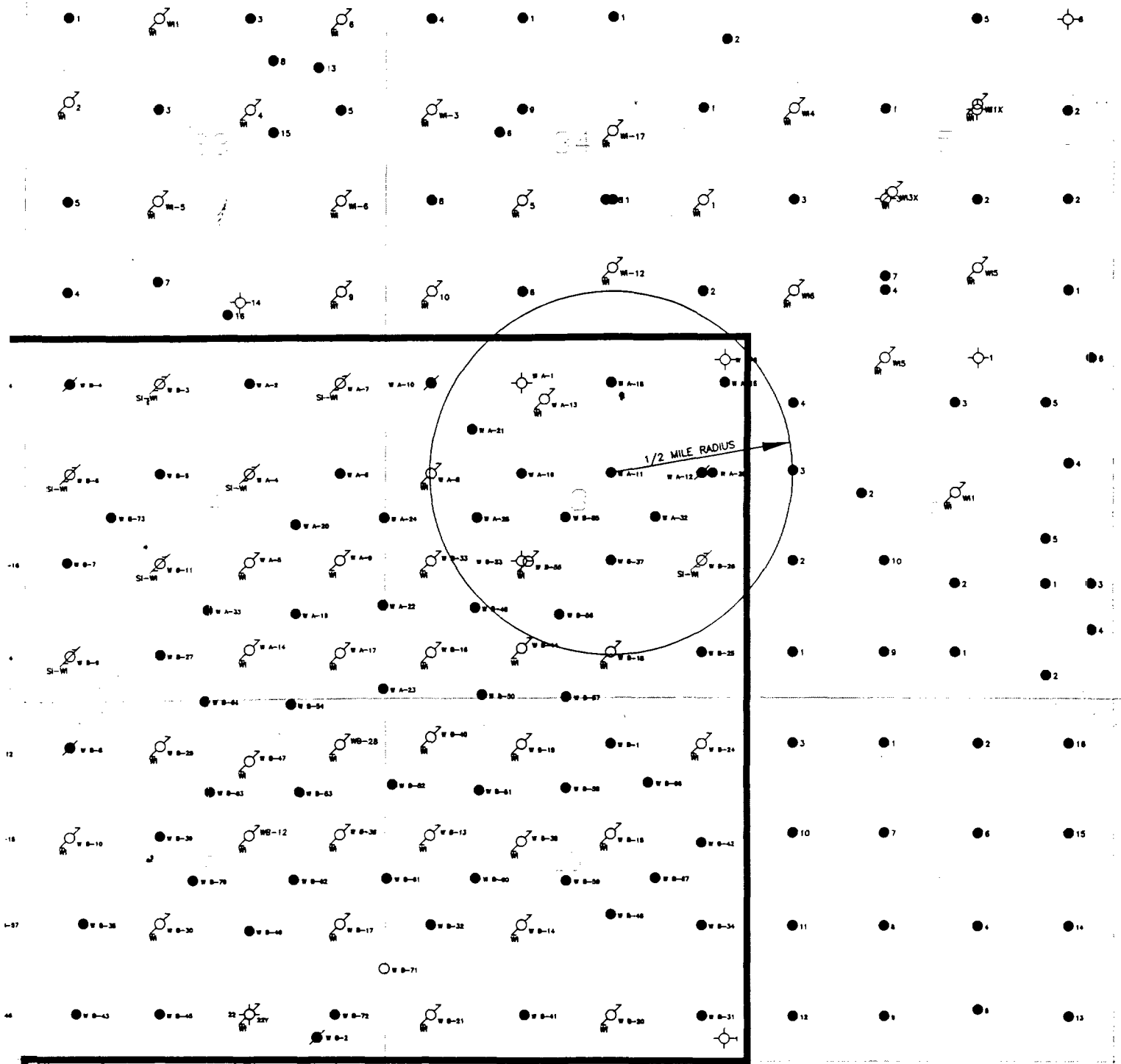
✓ H.E. West "B" #46  
1880' FSL 1980' FEL  
Section 9-17S-31E  
Eddy County, NM

*w/p* ~~H.E. West "B" #48  
2130' FSL 1980' FEL  
Section 10-17S-31E  
Eddy County, NM~~

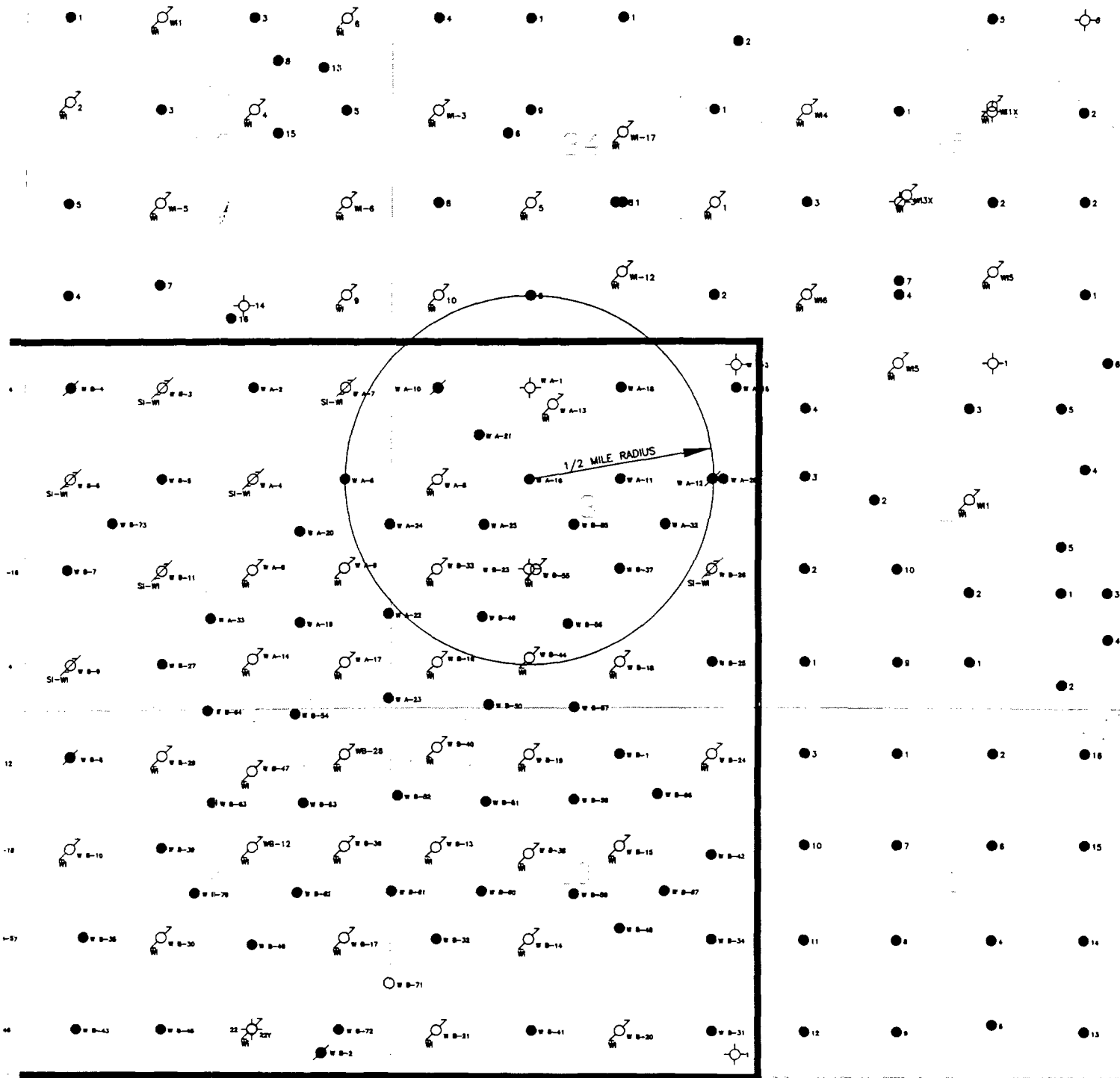
✓ H.E. West "B" #78  
660' FNL & 660' FWL  
Section 9-17S-31E  
Eddy County, NM

H.E. West "B" #7  
660' FWL & 1980' FSL  
Section 4-17-31E  
Eddy County, NM

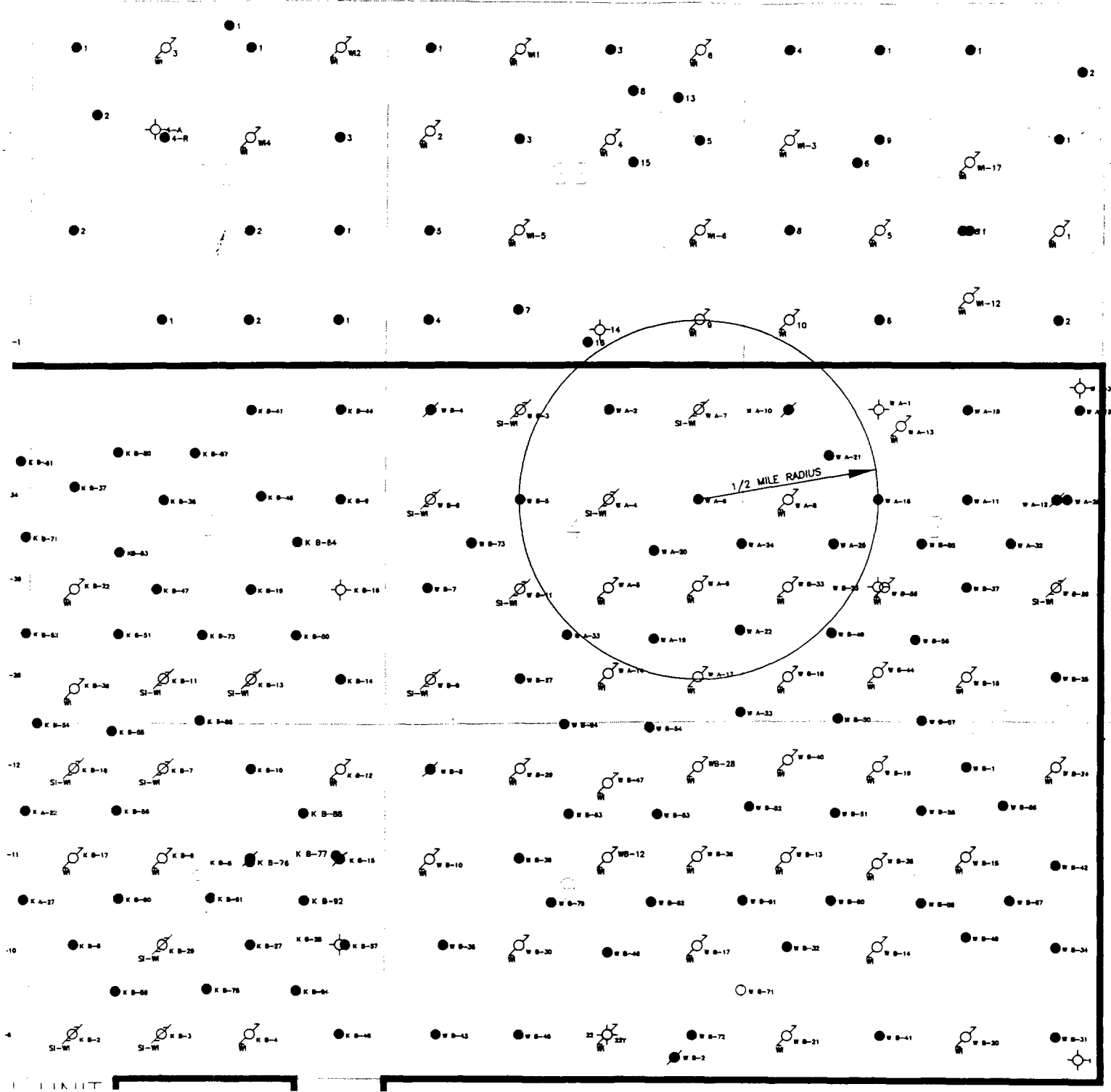
*w/p* ~~H.E. West "B" #35  
860' FWL and 1980' FSL  
Section 9-17S-31E  
Eddy County, NM~~



A

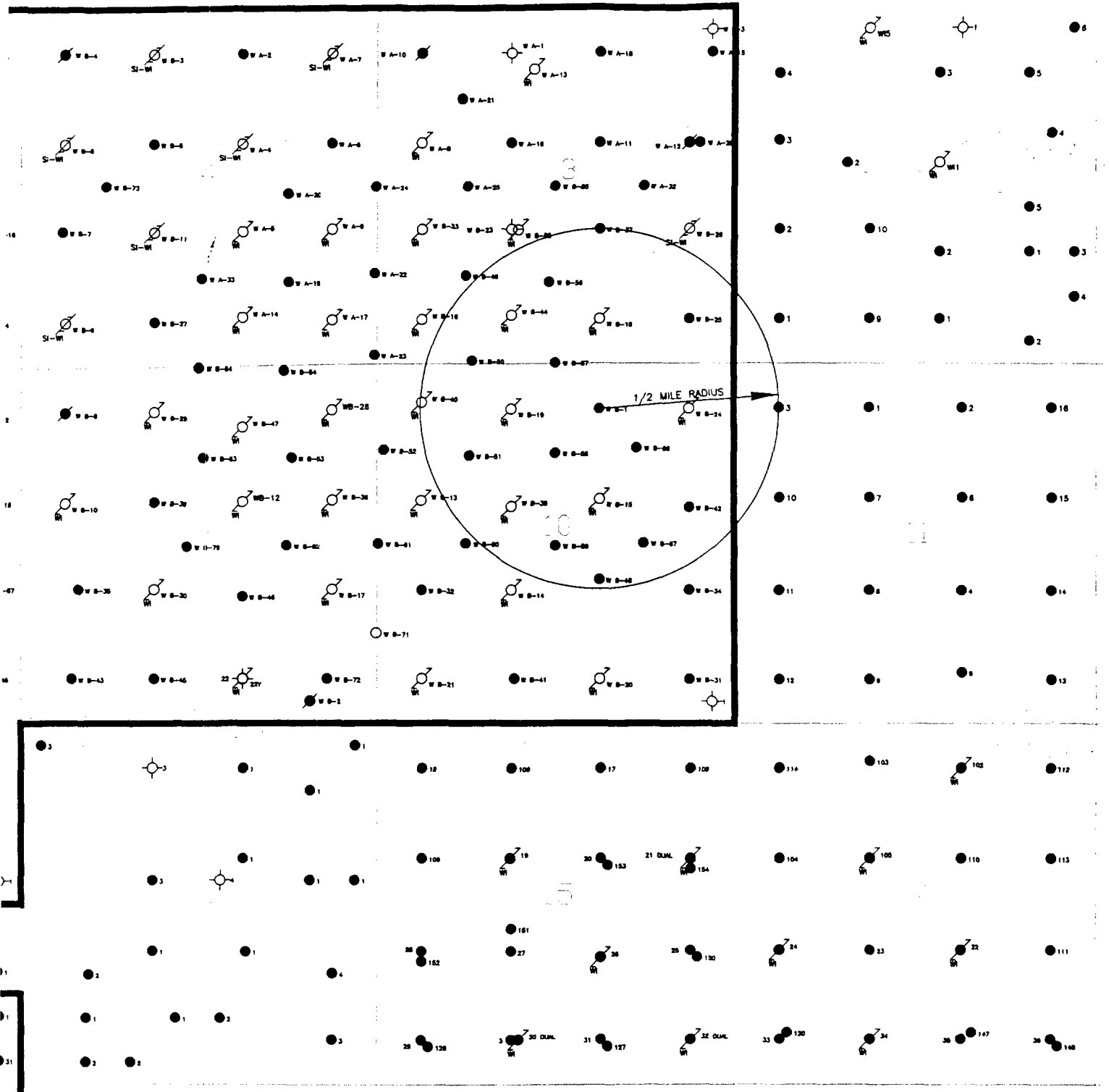


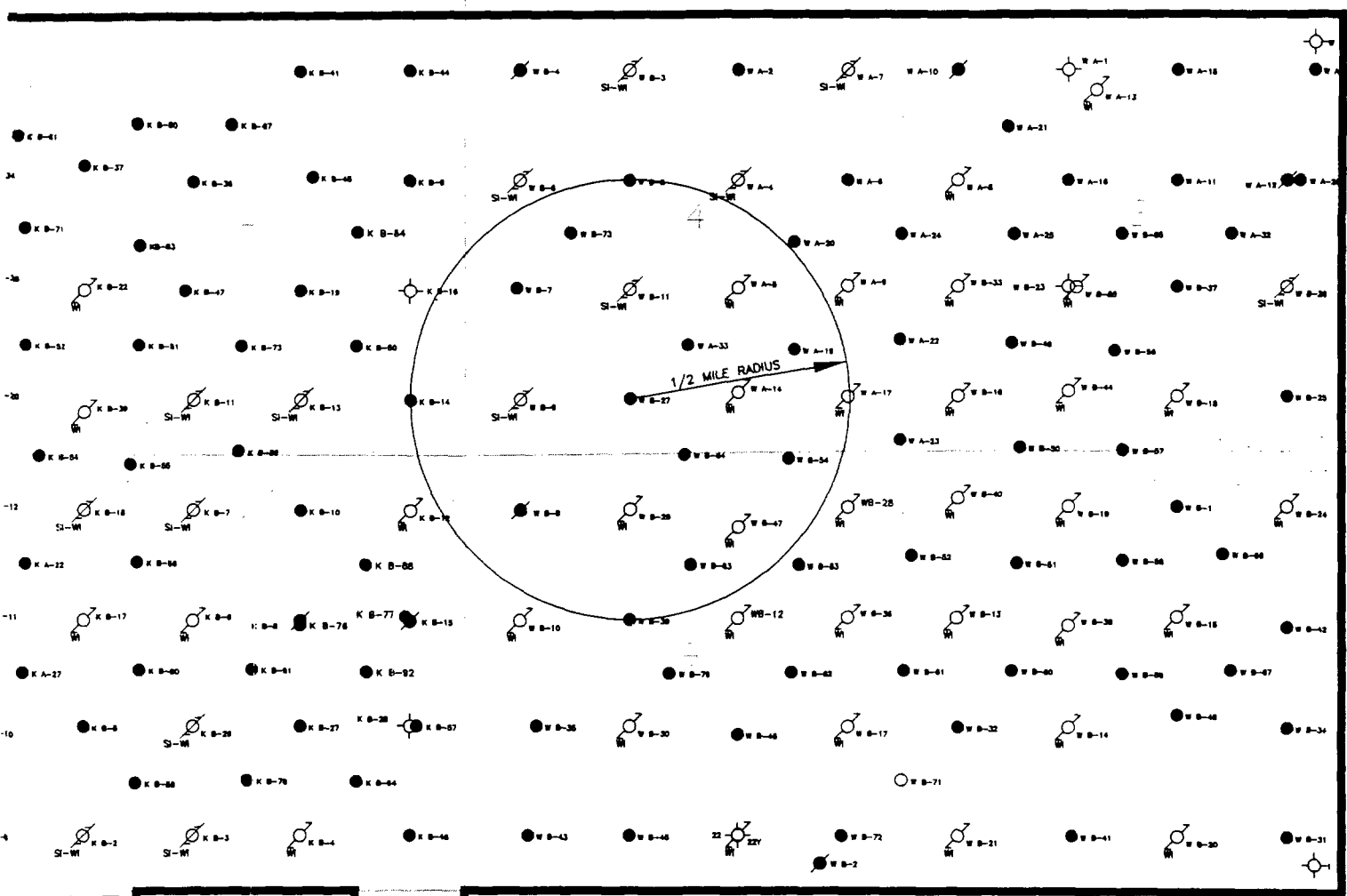
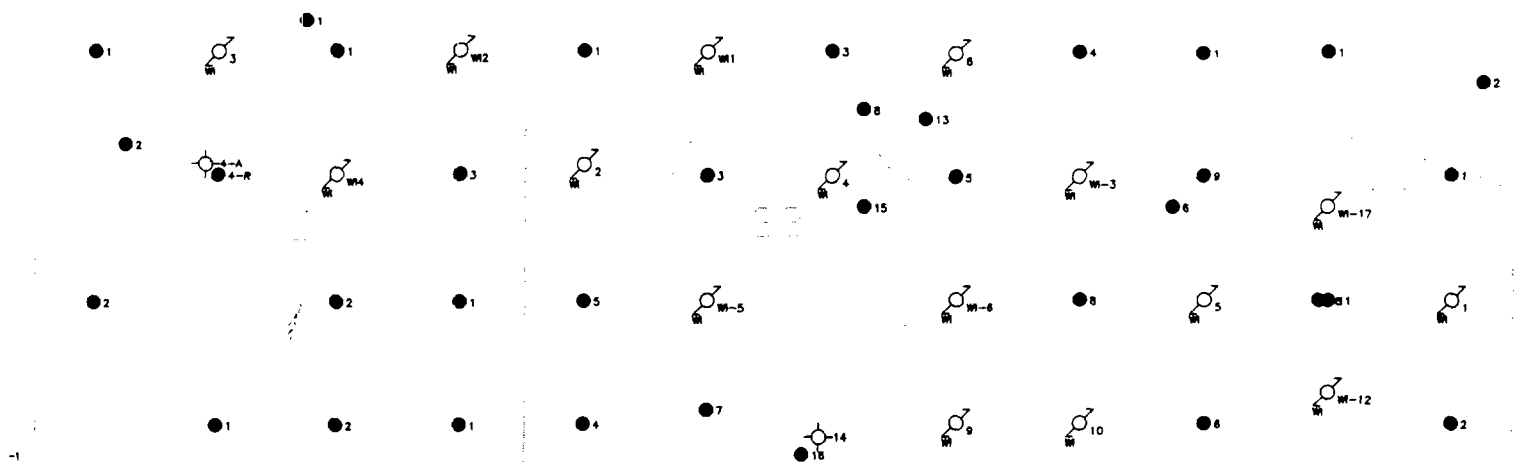
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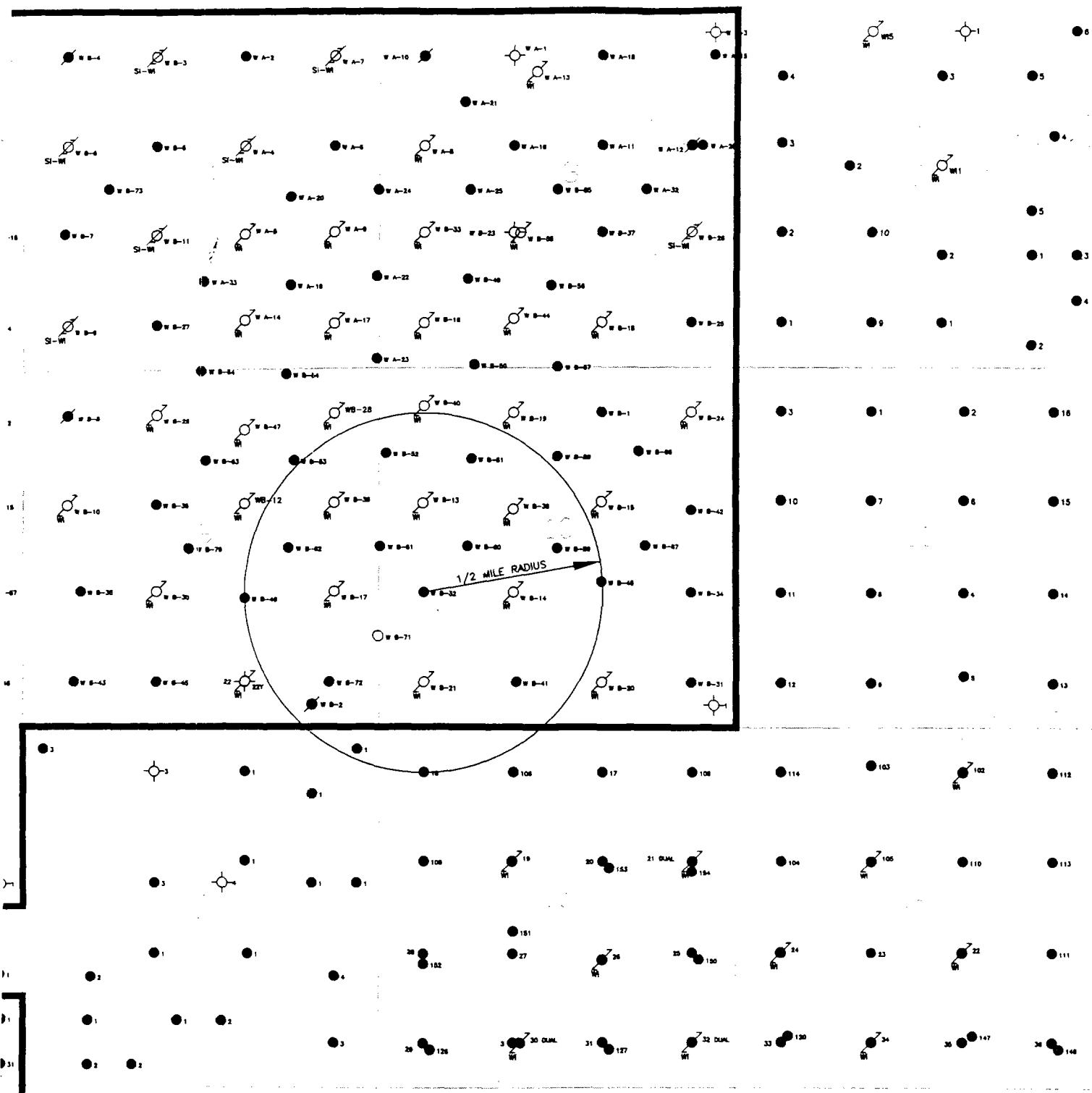
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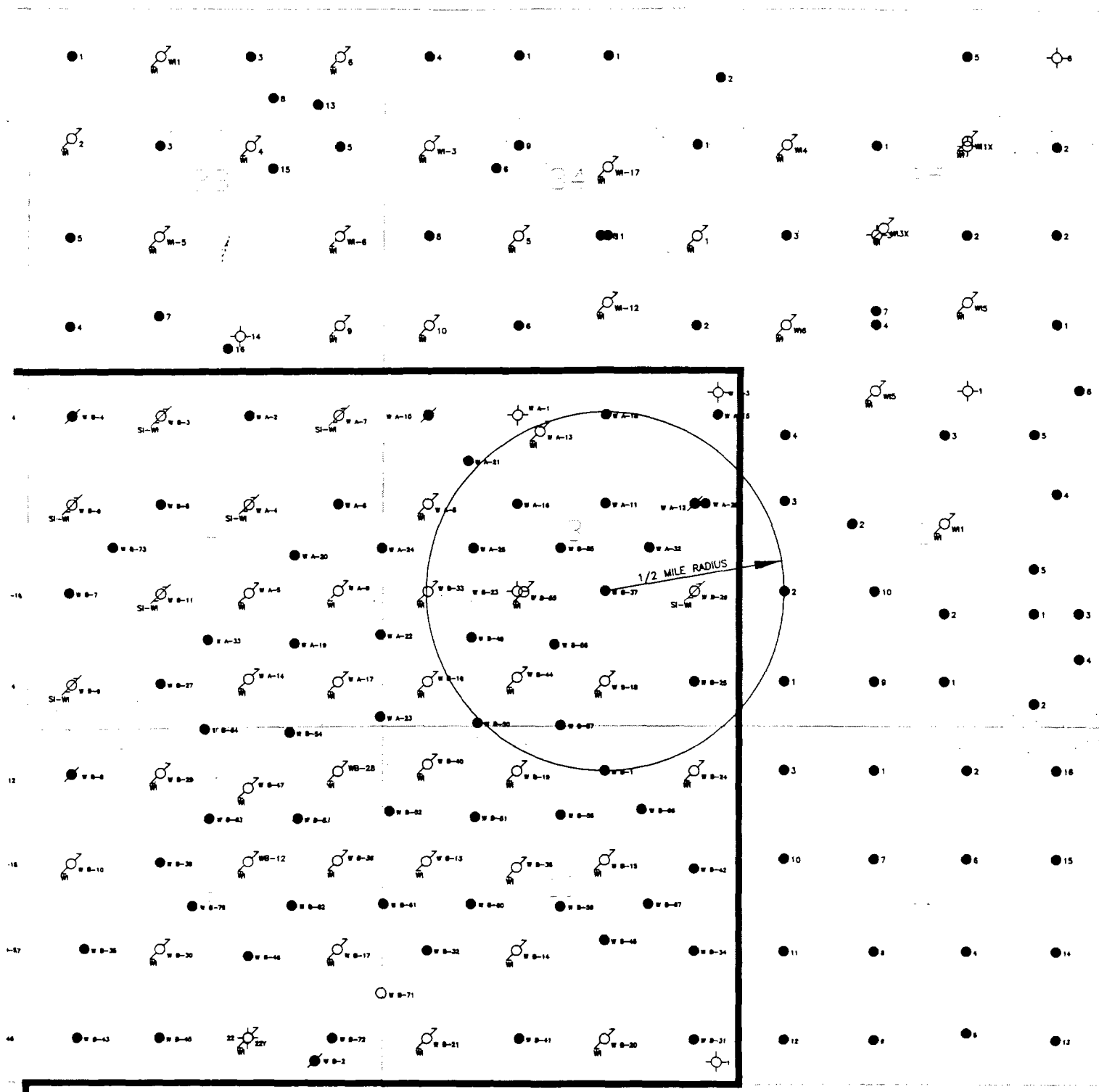




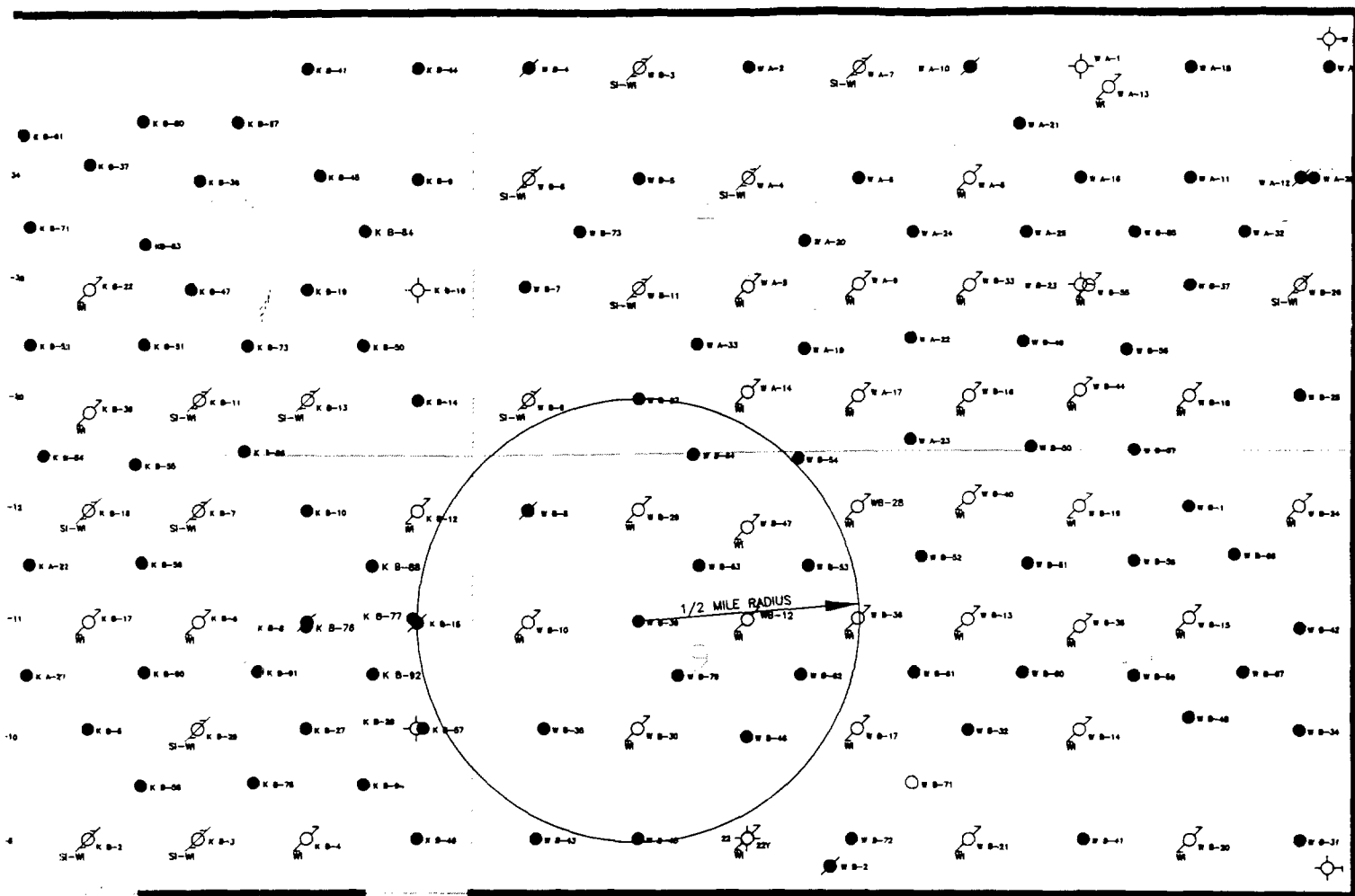


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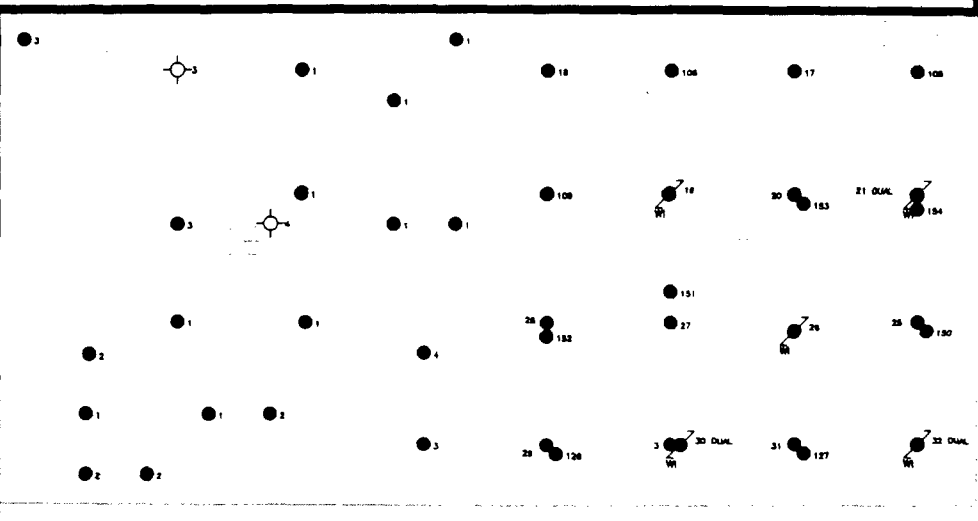
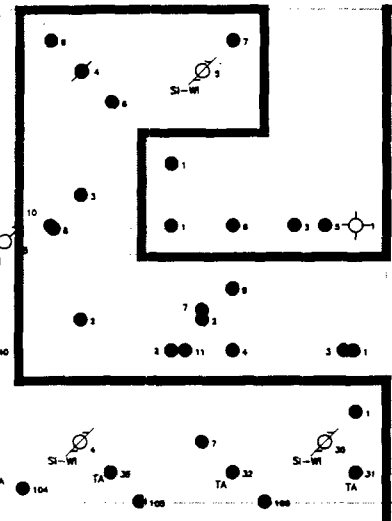




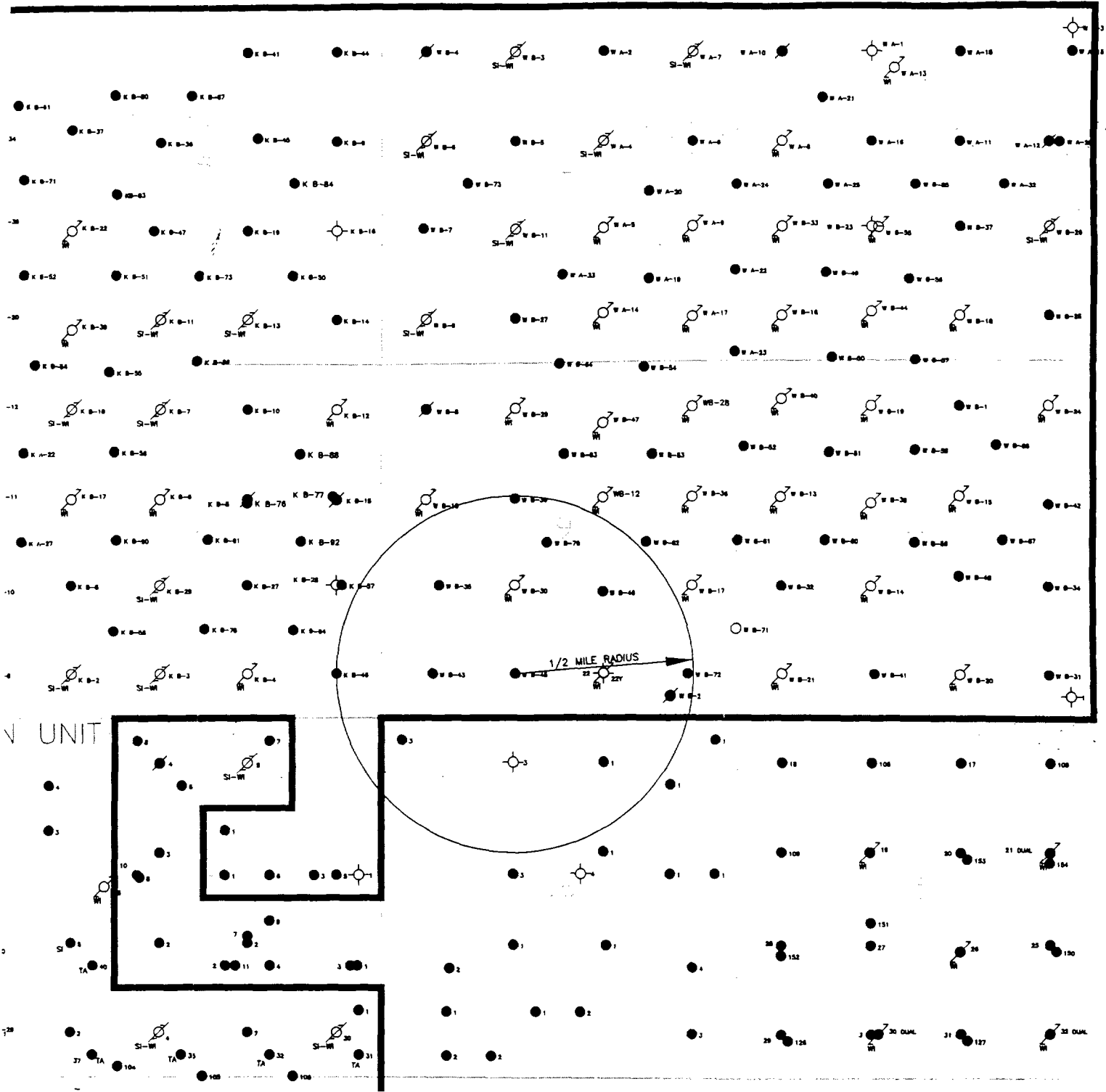
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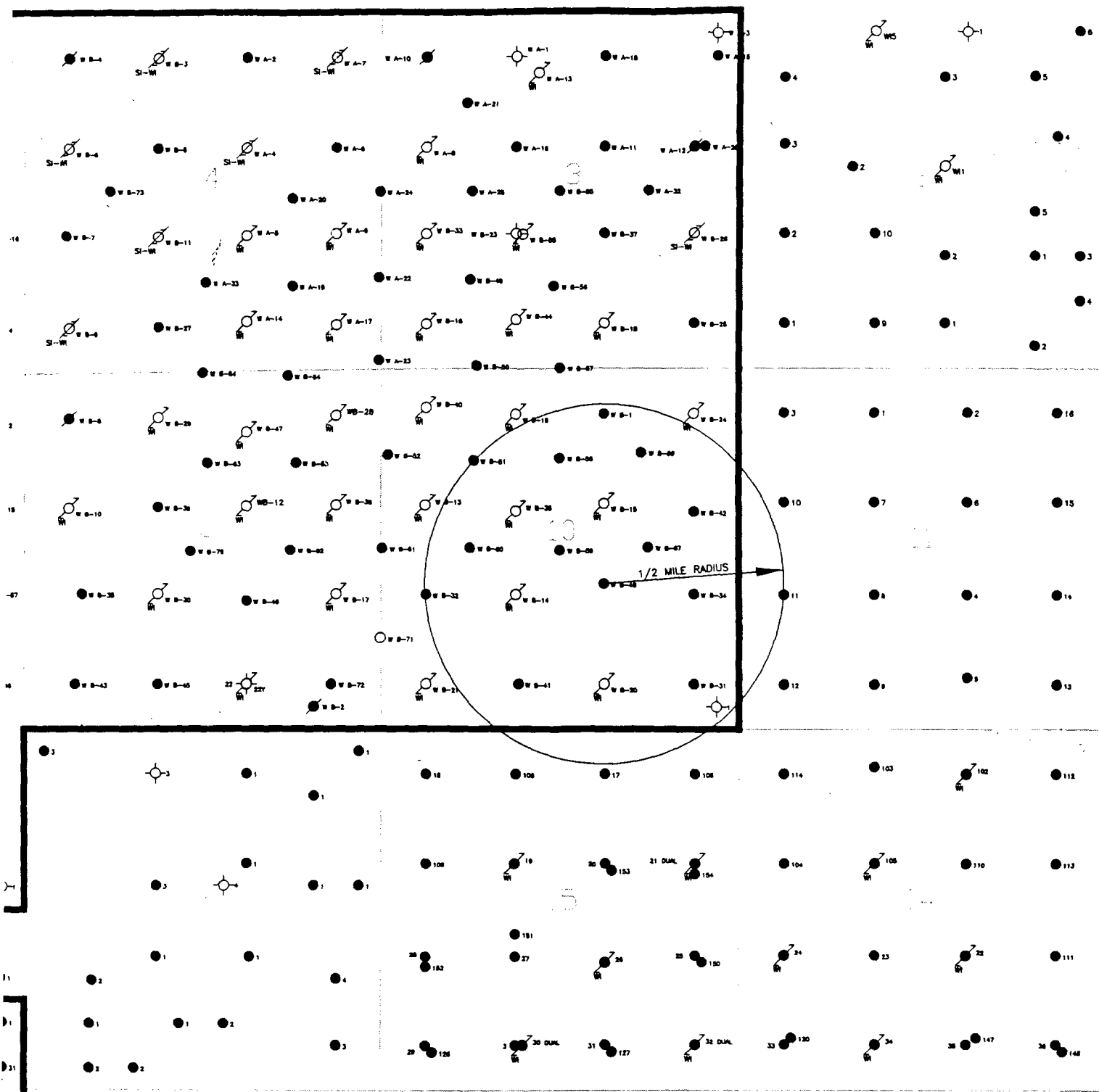
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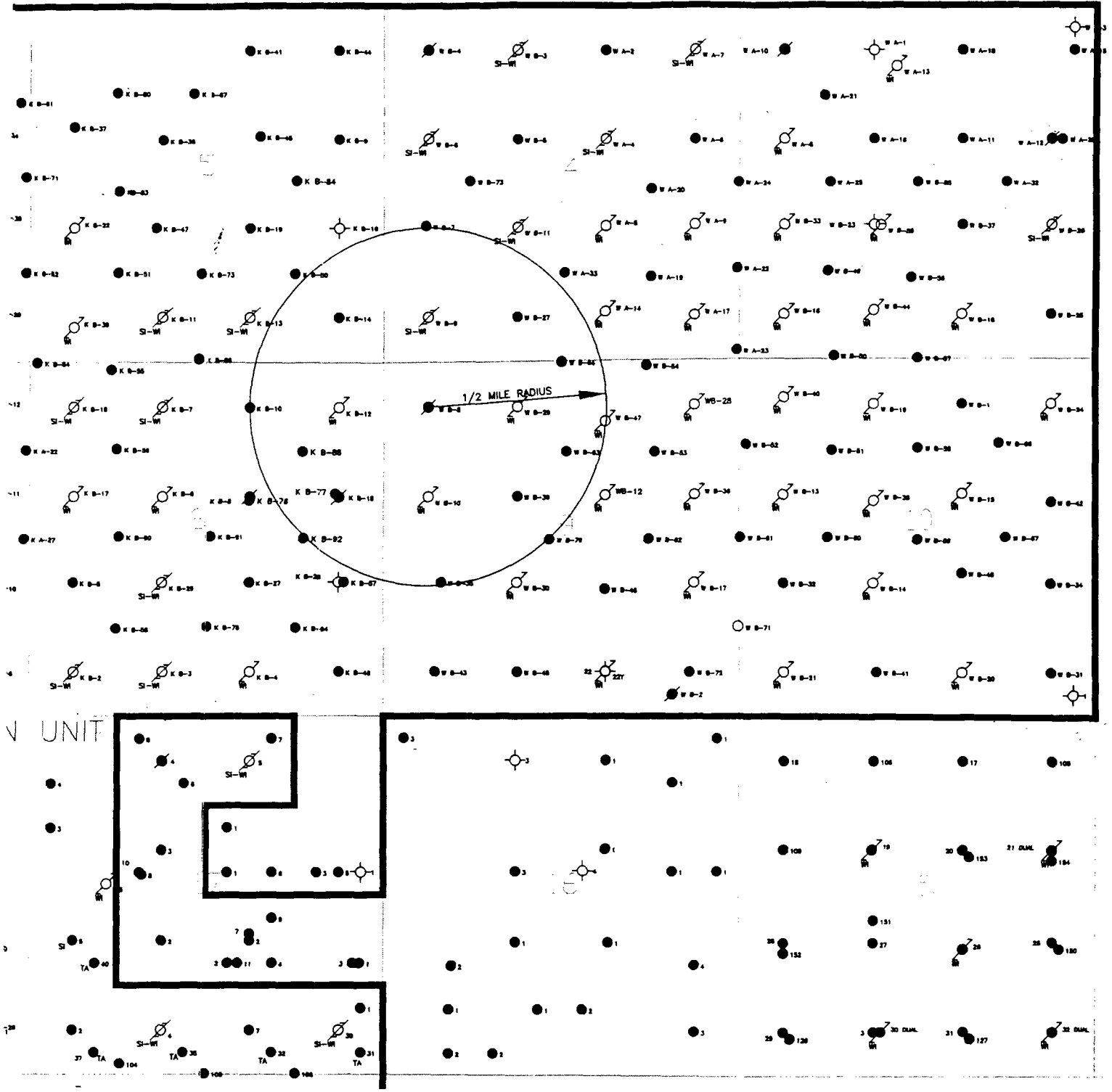
B 39



B 46

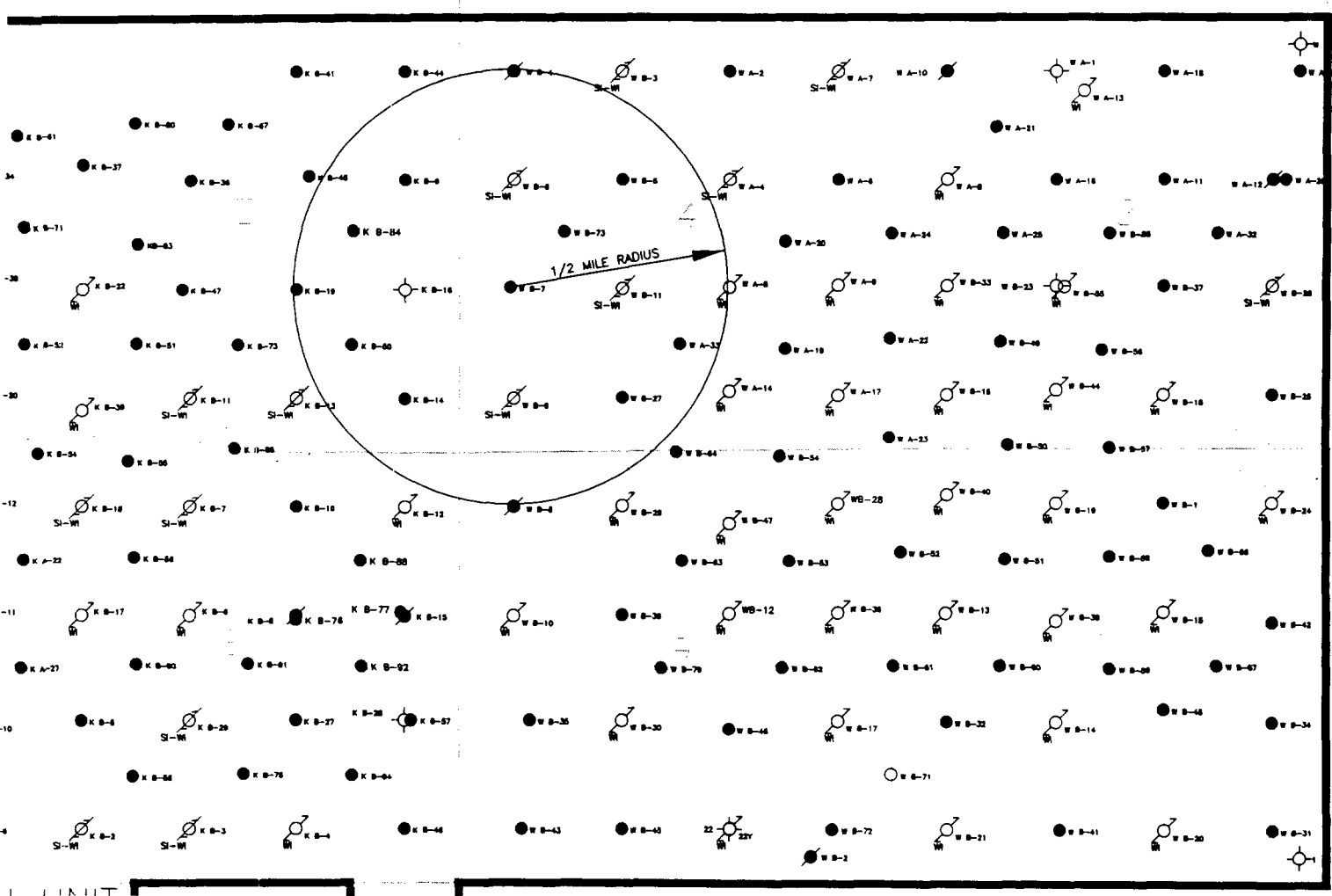
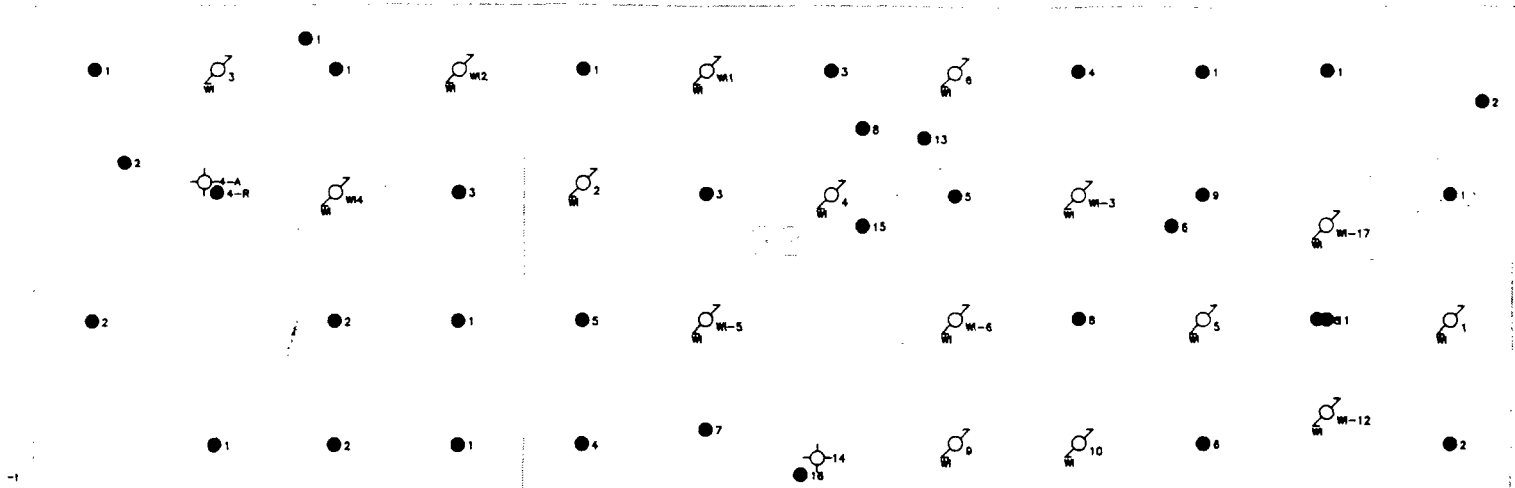


B42



B7C





B 7



## **ATTACHMENT III (tabular)**

### **Well Data**

- A. (1) H.E. West "A" #6  
1980' FNL 660' FEL  
Section 4-17S-31E  
Eddy County, NM
- (2) **Surface Casing:** 8-5/8" 24#, set @ 740' w/100 sxs cmt.  
Est TOC @ 480'. (11" hole)  
**Production Casing:** 7" set @ 3220' w/200 sxs cmt.  
Est TOC @ 2884'. (11" hole)  
Please also refer to the wellbore schematic labeled Attachment III -  
(schematic)
- (3) Tubing will be 2-3/8" plastic coated 4.7#, set @ 3075'.
- (4) A Baker J-Loc Pkr will be set @ 3075'
- B. (1) The injection formations will be the Grayburg/San Andres in the  
Grayburg/Jackson field.
- (2) The proposed intervals are 3150-3990'. The injection interval will be open  
hole 3220-3990' and through existing and proposed perforations 3150-  
3220'.
- (3) This well was originally drilled and completed as an oil well. It produced  
from the Grayburg/San Andres Formations.
- (4) Additional Perforations may be added in the 3150-3220' interval.
- (5) The Top of the Seven Rivers Formation is approximately 2300', there are  
no known lower oil formations.

Devon Energy Operating Corporation  
Attachment III - Schematic  
EXISTING WELLBORE

H.E. West "A" #6  
1980' FNL 660' FEL  
Section 4-17S-31E  
Eddy County, NM

GL 3948'

11" HOLE  
8 5/8" 24# CSG @  
740' w/ 100 SXS CMT.  
EST TDC @ 480'

11" HOLE  
7" 20# CSG @ 3220'  
w/ 200 SXS CMT.  
EST TDC @ 2884'

OH  
3220-3870'

6 1/4" OH 3369-3870'

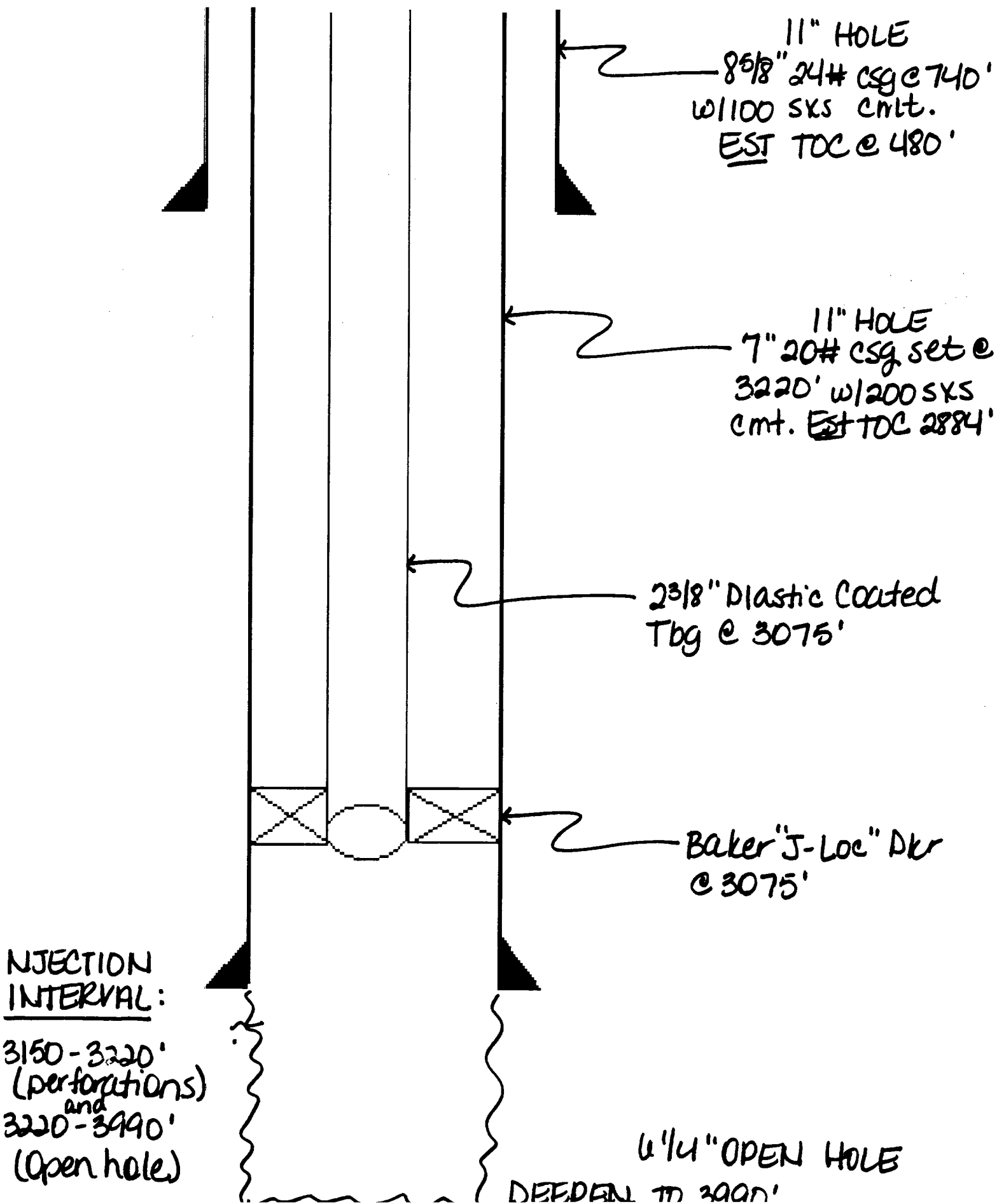
3870'

Devon Energy Operating Corporation

Attachment III - Schematic

PROPOSED WELLBORE

H.E. West "A" #6  
1980' FNL 660' FEL  
Section 4-17S-31E  
Eddy County, NM



**Devon Energy Operating Corporation**  
**Attachment III - Schematic**  
**PROPOSED WELLBORE**

**ATTACHMENT III (tabular)**

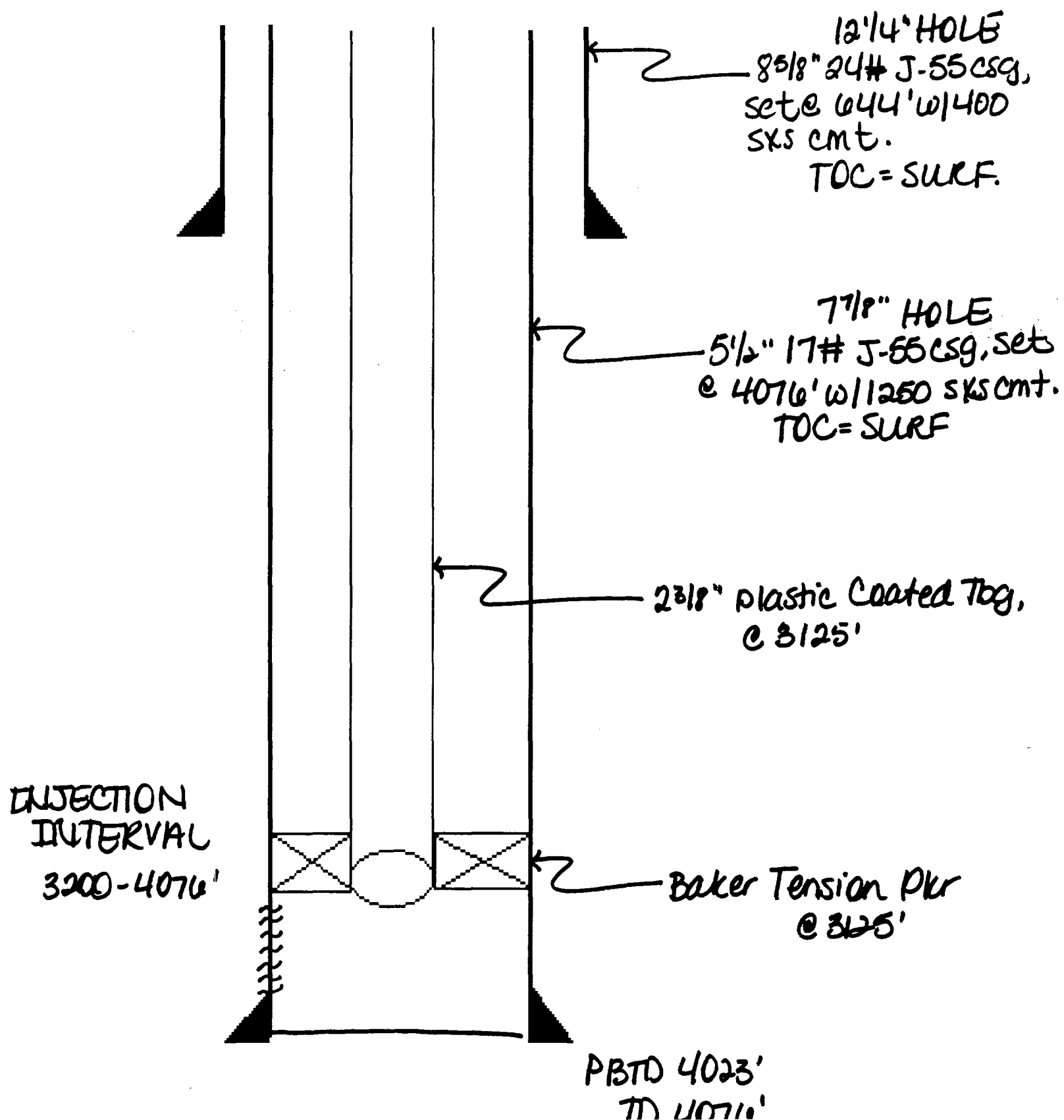
**Well Data**

- A. (1) H.E. West "A" #16  
1980' FNL 1980' FWL  
Section 3-17S-31E  
Eddy County, NM
- (2) **Surface Casing:** 8-5/8" 24#, set @ 644' w/400 sxs cmt.  
TOC surface. (12-1/4" hole)  
**Production Casing:** 5-1/2" 17# J-55 set @ 4076' w/1250 sxs cmt.  
TOC surface. (7-7/8" hole)  
Please also refer to the wellbore schematic labeled Attachment III -  
(schematic)
- (3) Tubing will be 2-3/8" plastic coated 4.7#, set @ 3125'.
- (4) A Baker Tension pkr (or equivalent) will be set @ 3125' in tension.
- B. (1) The injection formations will be the Grayburg/San Andres in the  
Grayburg/Jackson field.
- (2) The proposed intervals are 3200-4076'. The injection interval will be  
perforations in the 5-1/2" csg.
- (3) This well was originally drilled and completed as an oil well. It produced  
from the Grayburg/San Andres Formations.
- (4) Additional Perforations may be added in the 3100-3918' interval.
- (5) The Top of the Seven Rivers Formation is approximately 2300', there are  
no known lower oil formations.

TO 4076'

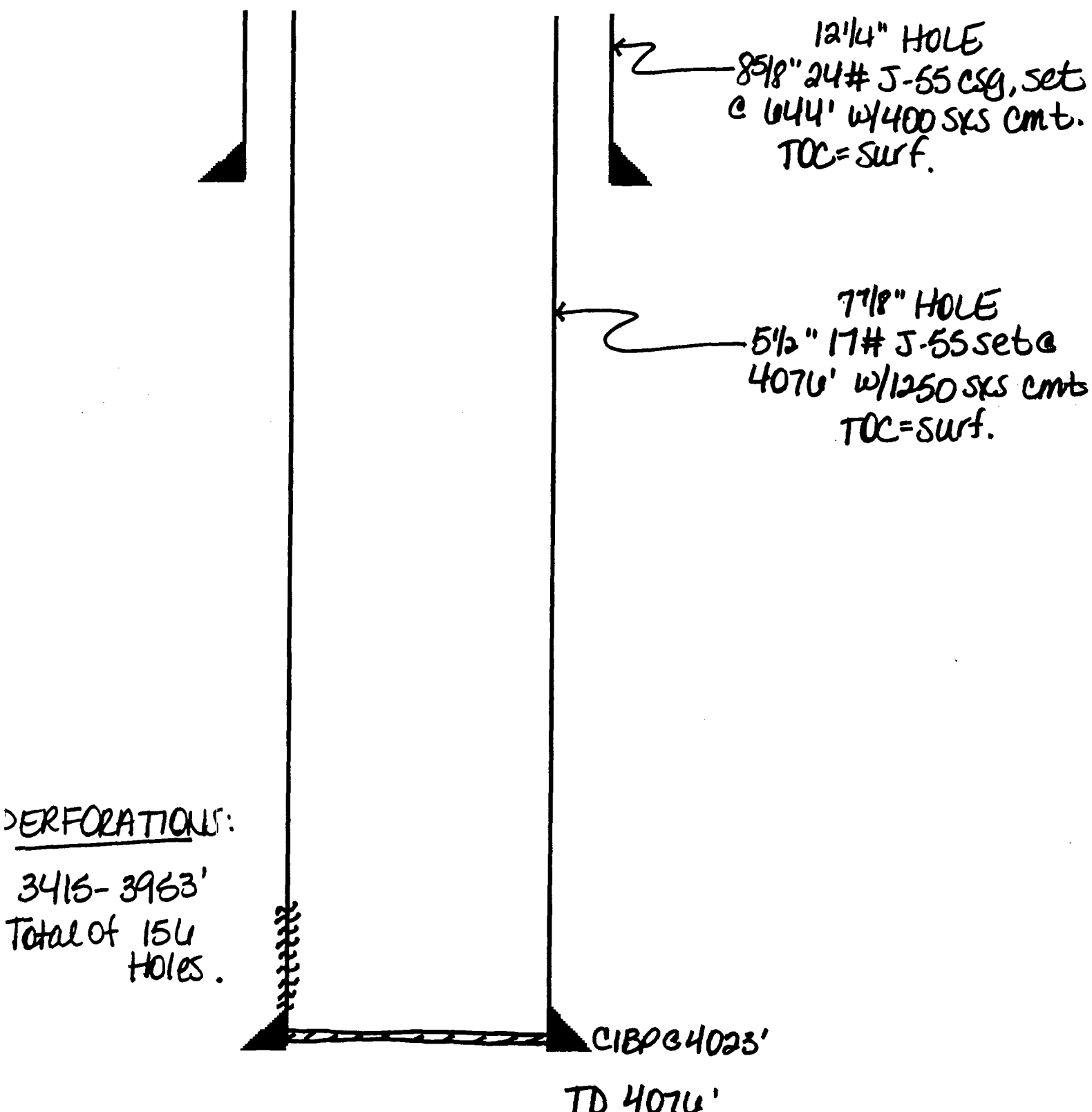
Devon Energy Operating Corporation  
Attachment III - Schematic  
PROPOSED WELLBORE

H.E. West "A" #16  
1980' FNL 1980' FWL  
Section 3-17S-31E  
Eddy County, NM



Devon Energy Operating Corporation  
Attachment III - Schematic  
EXISTING WELLBORE

H.E. West "A" #16  
1980' FNL 1980' FWL  
Section 3-17S-31E  
Eddy County, NM





## **ATTACHMENT III (tabular)**

### **Well Data**

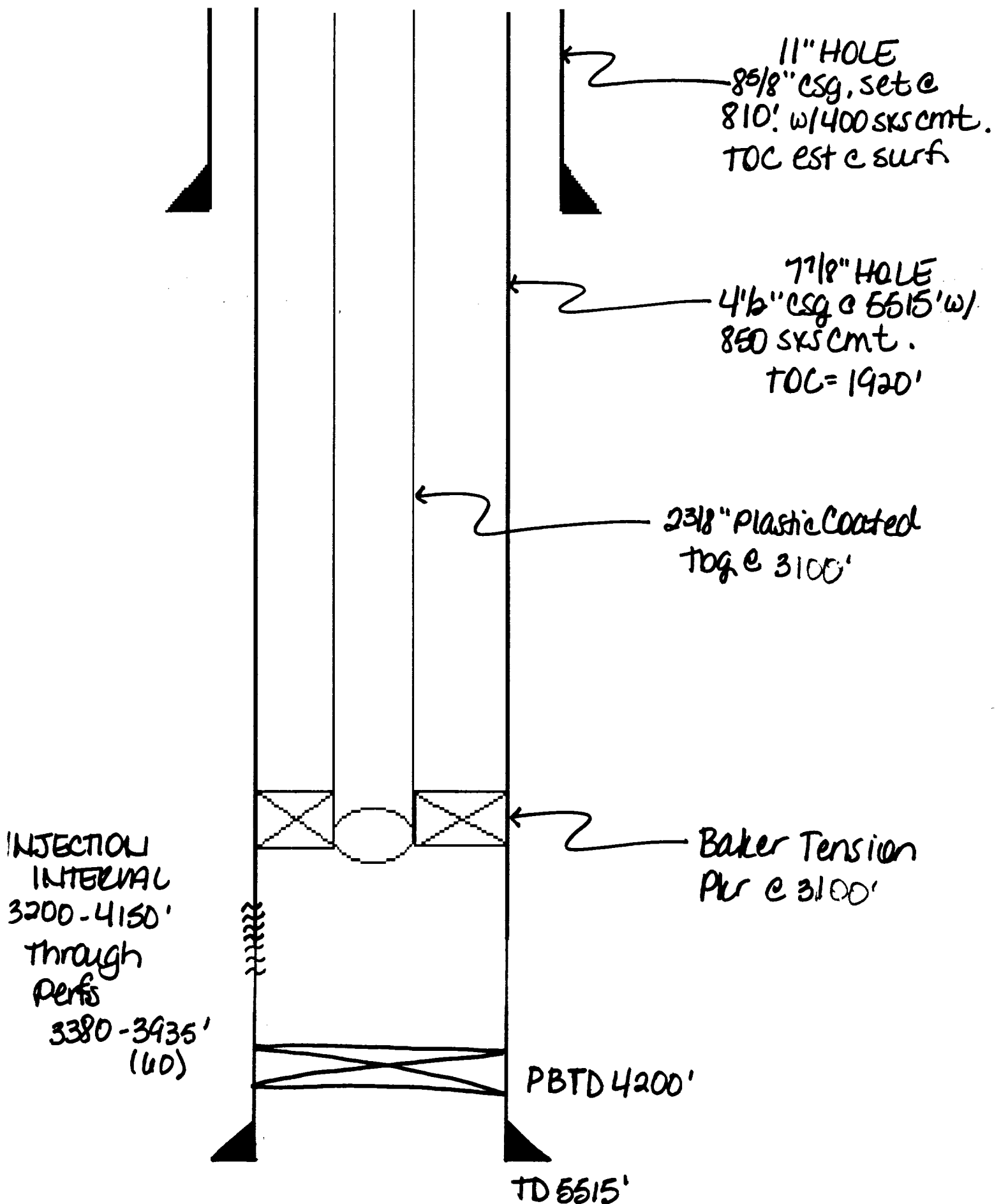
- A. (1) H.E. West "B" #1  
660' FNL 1980' FEL  
Section 10-17S-31E  
Eddy County, NM
- (2) **Surface Casing:** 8-5/8" 24#, set @ 810' w/400 sxs cmt.  
Est TOC surface. (11" hole)  
**Production Casing:** 4-1/2" 10.5# J-55 set @ 5515' w/850 sxs cmt.  
TOC 1920'. (7-7/8" hole)  
Please also refer to the wellbore schematic labeled Attachment III -  
(schematic)
- (3) Tubing will be 2-3/8" 4.7#, set @ 3100'. No additional liner material is anticipated.
- (4) A Baker Tension Pkr will be set @ 3100' in tension
- B. (1) The injection formations will be the Grayburg/San Andres in the Grayburg/Jackson field.
- (2) The proposed intervals are 3200-4150'. The injection interval will be ~~be~~ and through existing perforations 3380-3754' and 3800-3935'.
- (3) This well was originally drilled and completed as an oil well. It produced from the Grayburg/San Andres Formations.
- (4) Additional perforations may be added over the interval 3200-4150'.
- (5) The Top of the Seven Rivers Formation is approximately 2300', there are no known lower oil formations.

Devon Energy Operating Corporation

Attachment III - Schematic

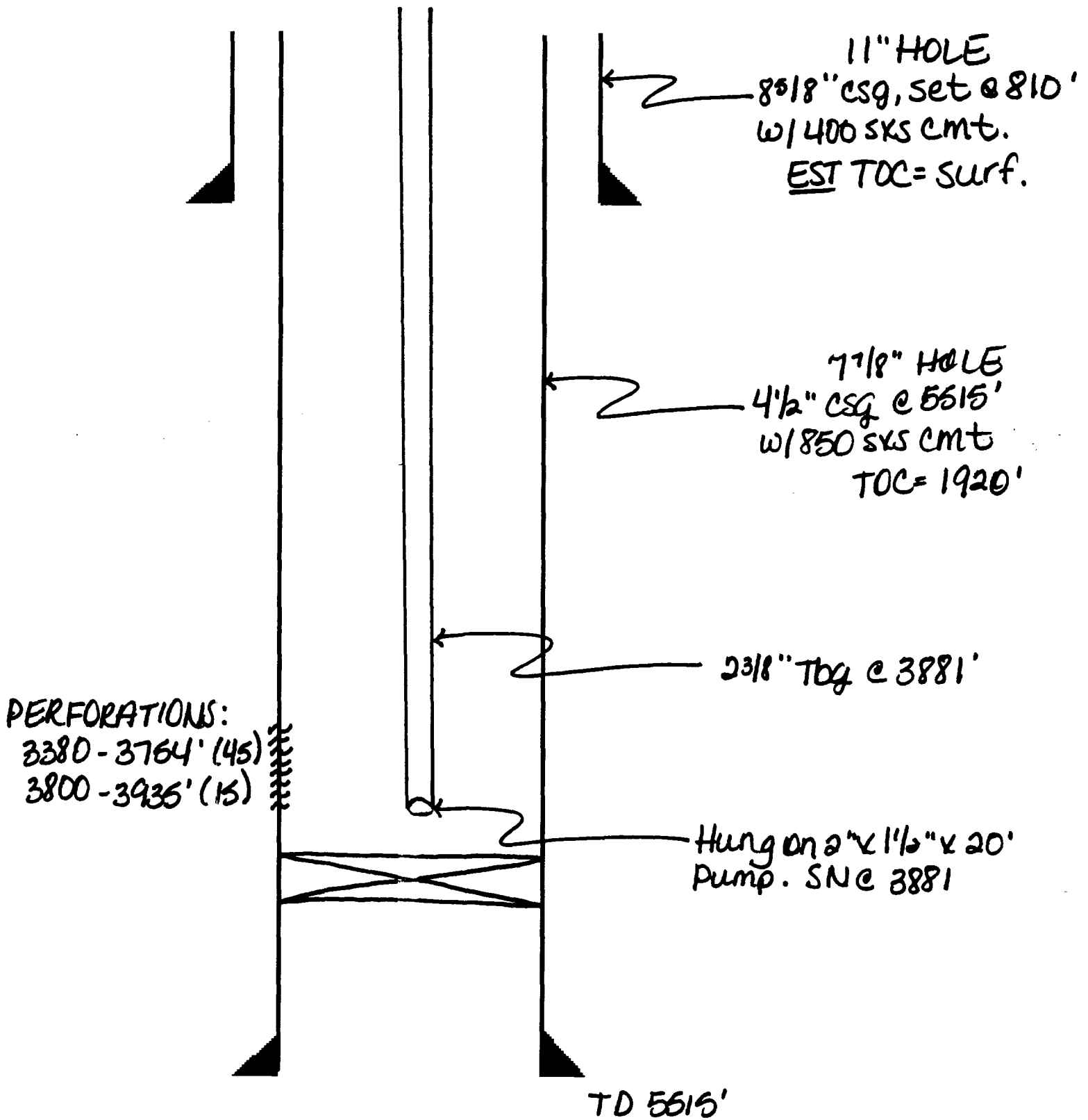
PROPOSED WELLBORE

H.E. West "B" #1  
660' FNL 1980' FEL  
Section 10-17S-31E  
Eddy County, NM



Devon Energy Operating Corporation  
Attachment III - Schematic  
EXISTING WELLBORE

H.E. West "B" #1  
660' FNL 1980' FEL  
Section 10-17S-31E  
Eddy County, NM



## ATTACHMENT III (tabular)

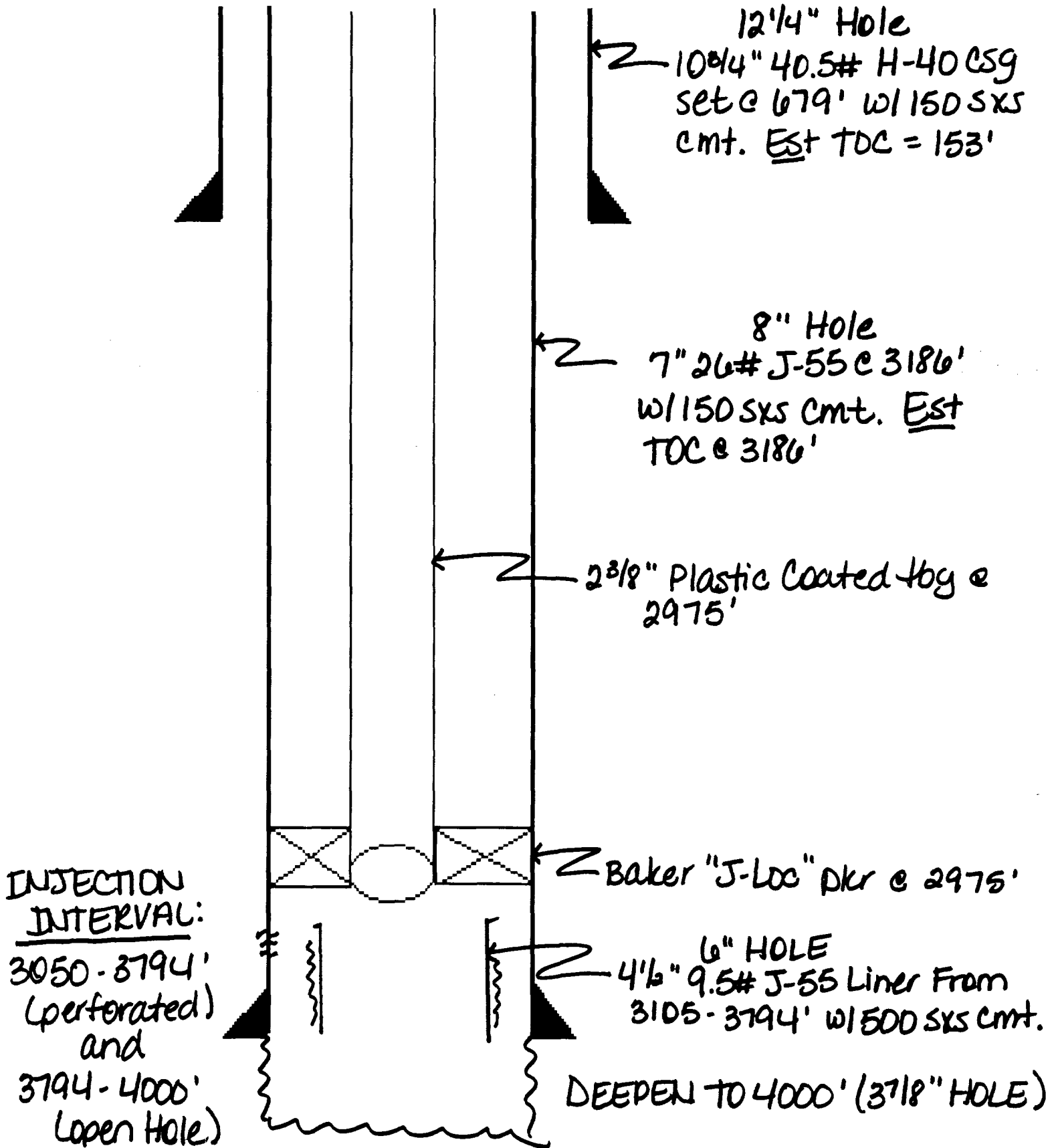
### Well Data

- A. (1) H.E. West "B" #5  
1980' FNL 1980' FWL  
Section 4-17S-31E  
Eddy County, NM
- (2) **Surface Casing:** 10-3/4" 40.5# H-40, set @ 679' w/150 sxs cmt.  
Est TOC @ 153'. (12-1/4" hole)  
**Production Casing:** 7" 26#, J-55 set @ 3186' w/150 sxs cmt.  
Est TOC @ 1976'. (7-7/8" hole)  
Please also refer to the wellbore schematic labeled Attachment III -  
(schematic)
- (3) Tubing will be 2-3/8" Plastic Coated 4.7#, set @ 2975'.
- (4) Baker Tension Packer (or equivalent) set @ 3975' in tension.
- B. (1) The injection formations will be the Grayburg/San Andres in the  
Grayburg/Jackson field.
- (2) The proposed intervals are 3050-4000'. The injection interval will be open  
hole (3794-4000') and through existing and proposed perforations 3050-  
3794'.
- (3) This well was originally drilled and completed as an oil well. It produced  
from the Grayburg/San Andres Formations.
- (4) Additional Perforations may be added in the 3393-3794' interval.
- (5) The Top of the Seven Rivers Formation is approximately 2300', there are  
no known lower oil formations.

Devon Energy Operating Corporation  
Attachment III - Schematic  
PROPOSED WELLBORE

H.E. West "B" #5  
1980' FNL 1980' FWL  
Section 4-17S-31E  
Eddy County, NM

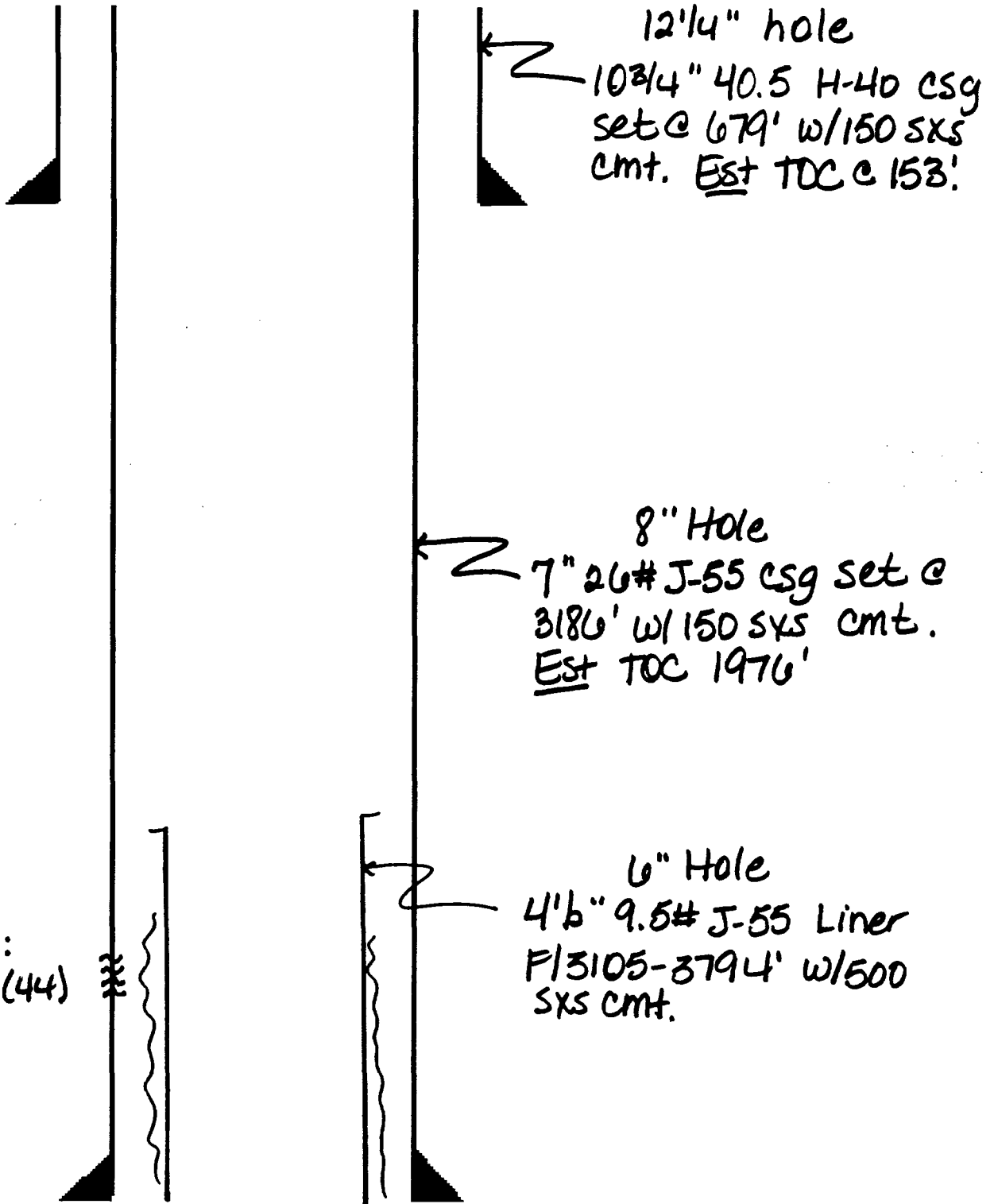
GL=3929'



Devon Energy Operating Corporation  
Attachment III - Schematic  
EXISTING WELLBORE

H.E. West "B" #5  
1980' FNL 1980' FWL  
Section 4-17S-31E  
Eddy County, NM

GL=3929'



Perforations:  
3393-3558' (44)

## **ATTACHMENT III (tabular)**

### **Well Data**

- A.     (1)     H.E. West "B" #27  
              660' FSL 1980' FWL  
              Section 3-17S-31E  
              Eddy County, NM
- (2)     **Surface Casing:** 13-3/8" set @ 650' w/740 sxs cmt.  
                  TOC surface. (15" hole)  
                  **Production Casing:** 9-5/8" set @ 3800' w/1300 sxs poz + 150 sxs cl "C"  
                  cmt. TOC surface. (10-1/2" hole)  
                  Please also refer to the wellbore schematic labeled Attachment III -  
                  (schematic)
- (3)     Tubing will be 2-3/8" Plastic coated 4.7#, set @ 2975'.
- (4)     A Baker J-Loc Pkr (or equivalent) will be set @ 2975'
- B.     (1)     The injection formations will be the Grayburg/San Andres in the  
                  Grayburg/Jackson field.
- (2)     The injection interval will be open hole 3800-3885', and through existing  
                  and proposed perforations over the interval 3050-3800'.
- (3)     This well was originally drilled and completed as an oil well. It produced  
                  from the Grayburg/San Andres Formations.
- (4)     Additional Perforations may be added in the 3050-3800' interval.
- (5)     The Top of the Seven Rivers Formation is approximately 2300', there are  
                  no known lower oil formations.

Devon Energy Operating Corporation

Attachment III - Schematic

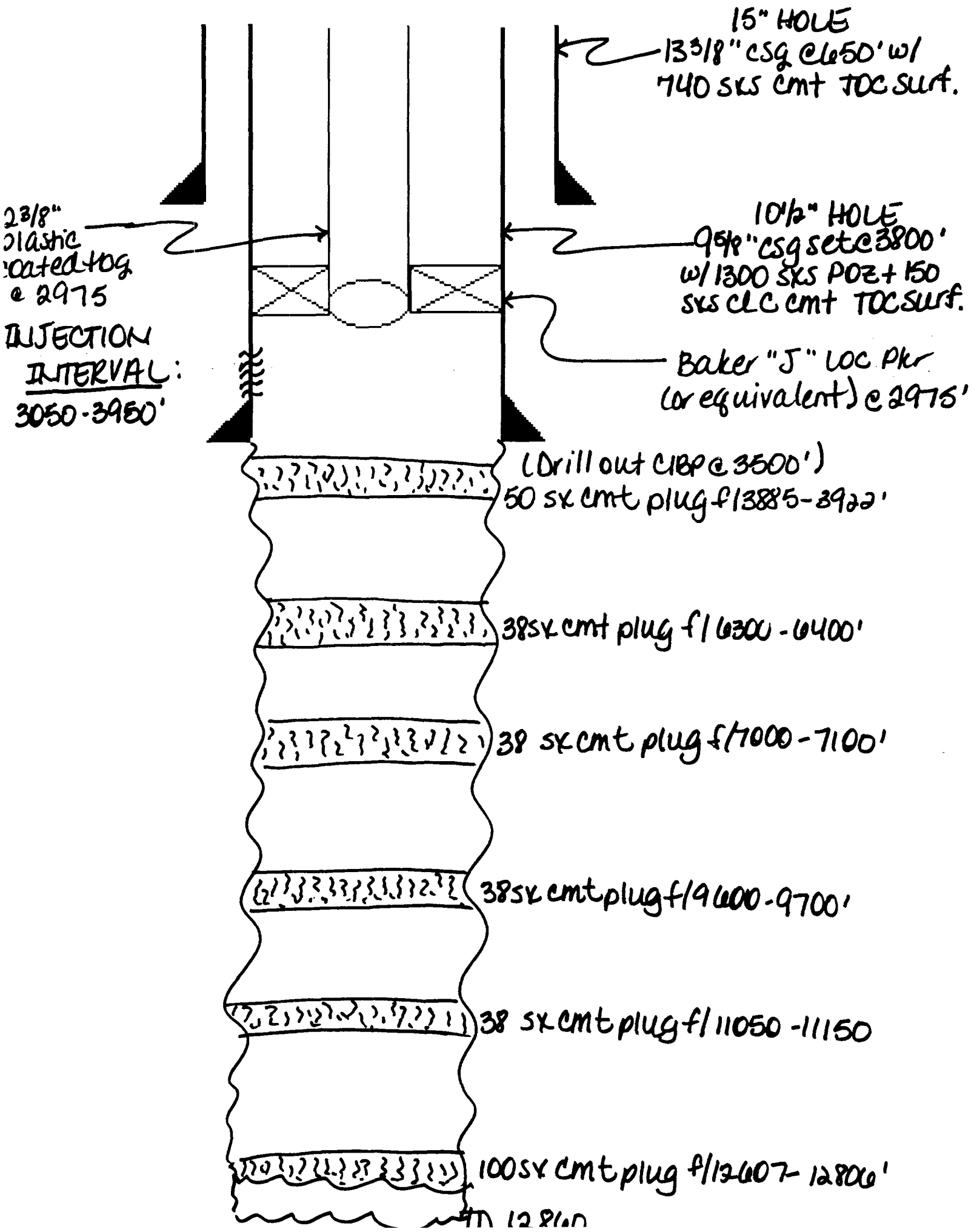
PROPOSED WELLBORE

H.E. West "B" ~~23~~ 27

~~1980 FSL 1980 FEL~~

~~Section 8 17E 31E~~ 660' FSL + 1980' FWC

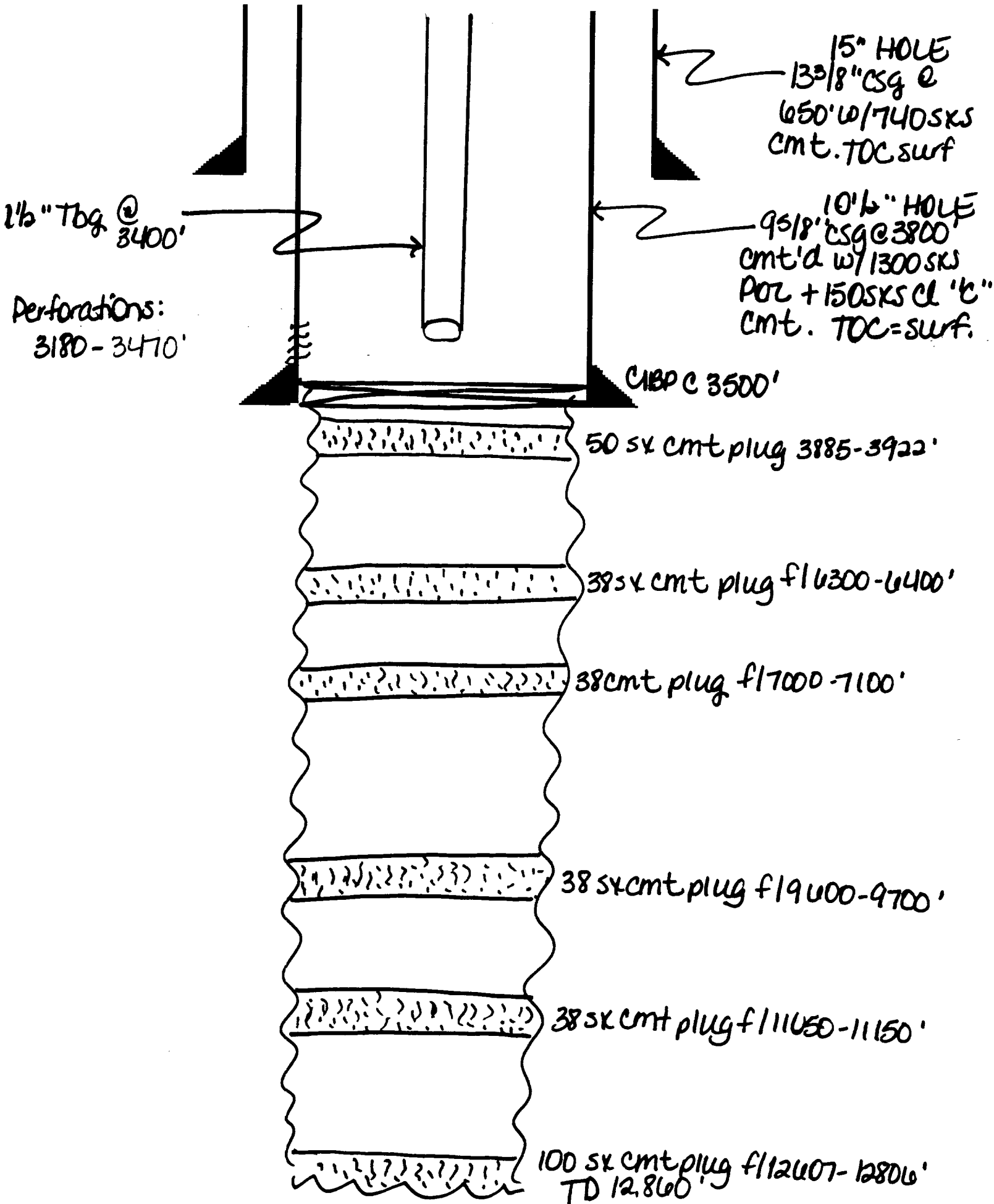
Eddy County, NM





Devon Energy Operating Corporation  
Attachment III - Schematic  
EXISTING WELLBORE

H.E. West "~~B~~" #5 B-27  
 1980' FNL 1980' FWL  
 Section 4-17S-31E  
 Eddy County, NM



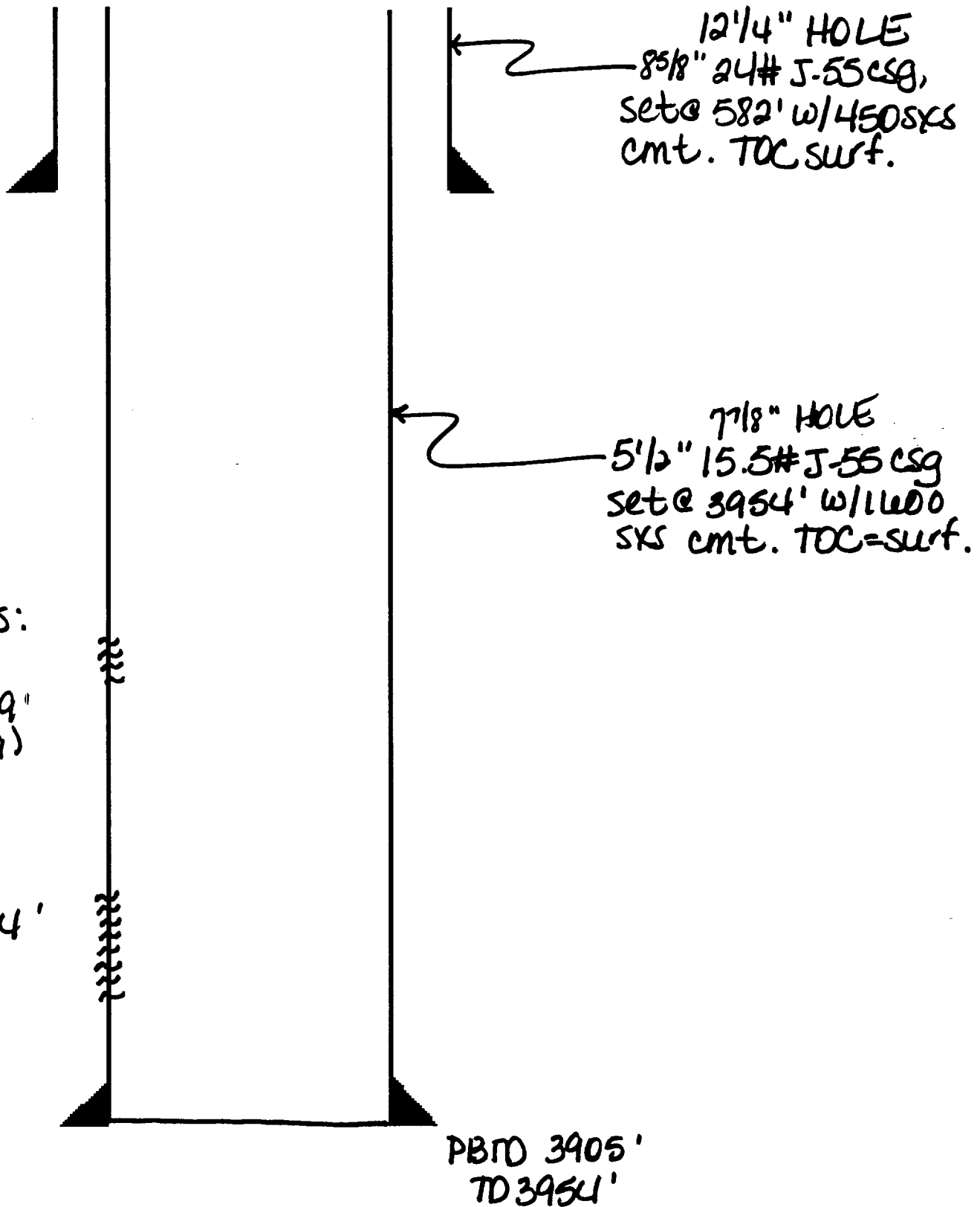
## **ATTACHMENT III (tabular)**

### **Well Data**

- A.     (1)     H.E. West "B" #32  
              1980' FSL 660' FWL  
              Section 10-17S-31E  
              Eddy County, NM
- (2)     **Surface Casing:** 8-5/8" 24#, set @ 582' w/450 sxs cmt.  
                  Est TOC surface. (12-1/4" hole)  
                  **Production Casing:** 5-1/2" 15.5# J-55 set @ 3954' w/160 sxs cmt.  
                  Est TOC surface. (7-7/8" hole)  
                  Please also refer to the wellbore schematic labeled Attachment III -  
                  (schematic)
- (3)     Tubing will be 2-3/8" plastic coated 4.7#, set @ 3075'
- (4)     A Baker Tension Pkr (or equivalent) will be set @ 3075' in tension
- B.     (1)     The injection formations will be the Grayburg/San Andres in the  
                  Grayburg/Jackson field.
- (2)     The proposed intervals are 3150-4100'. The injection interval will be open  
                  hole 3954-4100' and through existing and proposed perforations 3150-  
                  3954'
- (3)     This well was originally drilled and completed as an oil well. It produced  
                  from the Grayburg/San Andres Formations.
- (4)     Additional Perforations may be added in the 3150-3954' interval.
- (5)     The Top of the Seven Rivers Formation is approximately 2300', there are  
                  no known lower oil formations.

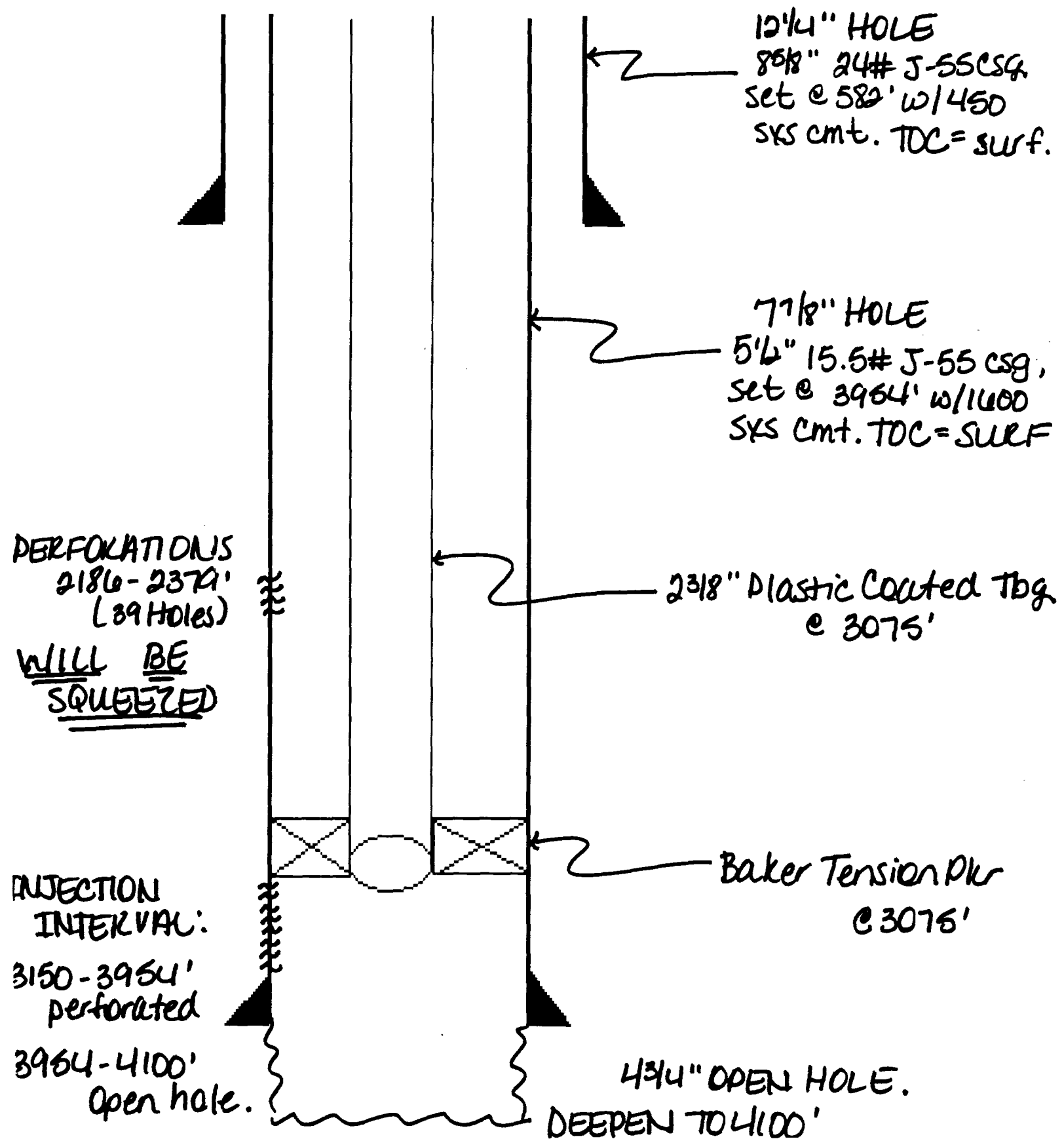
Devon Energy Operating Corporation  
Attachment III - Schematic  
EXISTING WELLBORE

H.E. West "B" #32  
1980' FSL 660' FWL  
Section 10-17S-31E  
Eddy County, NM



Devon Energy Operating Corporation  
Attachment III - Schematic  
PROPOSED WELLBORE

H.E. West "B" #32  
1980' FSL 660' FWL  
Section 10-17S-31E  
Eddy County, NM



## **ATTACHMENT III (tabular)**

### **Well Data**

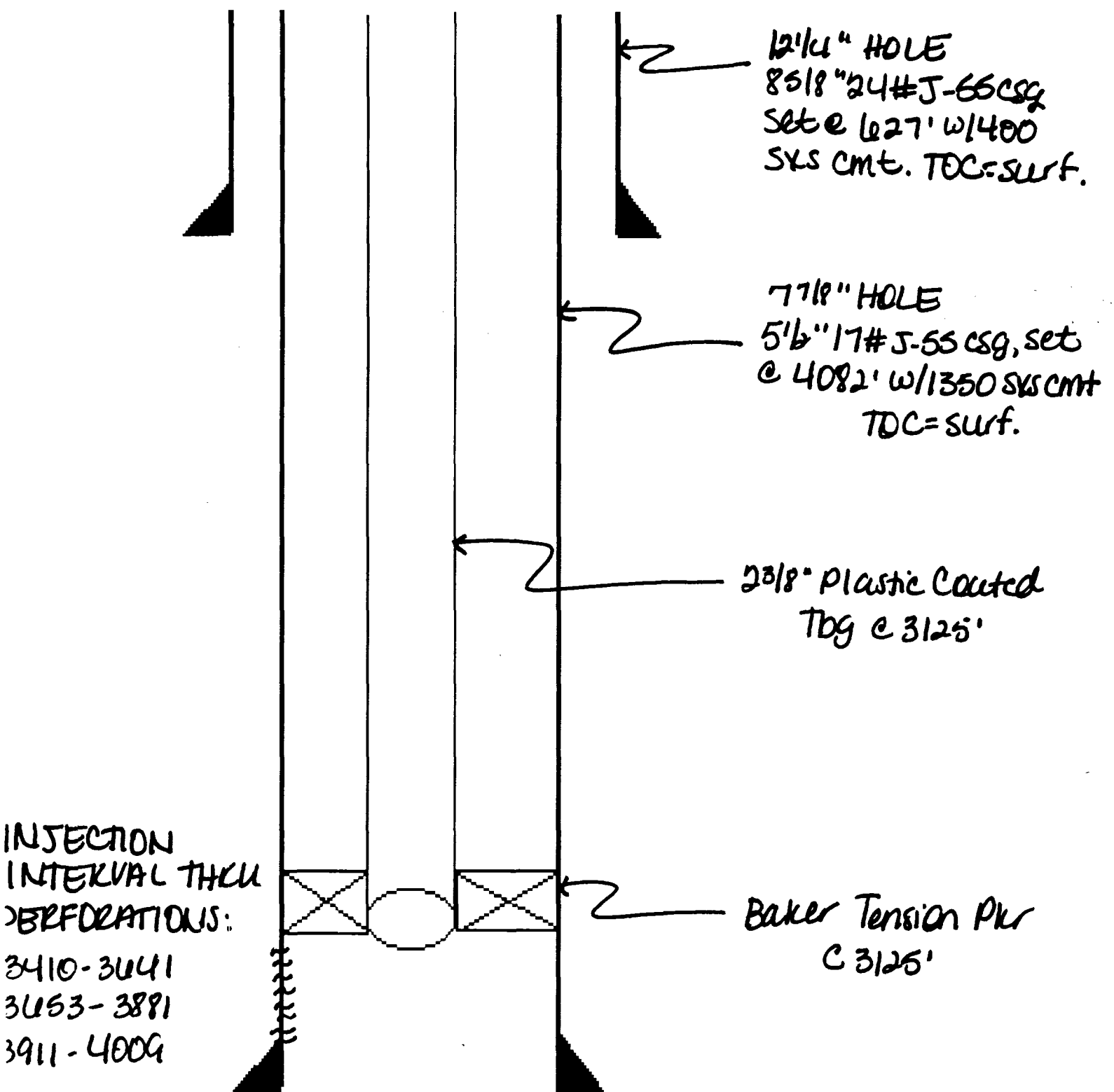
- A.     (1)     H.E. West "B" #37  
              1980' FSL 1980' FEL  
              Section 3-17S-31E  
              Eddy County, NM
- (2)     **Surface Casing:** 8-5/8" 24#, set @ 627' w/400 sxs cmt.  
                  Est TOC surface. (12-1/4" hole)  
                  **Production Casing:** 5-1/2" 17# J-55 set @ 4082' w/1350 sxs cmt.  
                  Est TOC surface. (7-7/8" hole)  
                  **Tubing:** 2-3/8" @ 3843'  
                  Please also refer to the wellbore schematic labeled Attachment III -  
                  (schematic)
- (3)     Tubing will be 2-3/8" 4.7#, set @ 3125'. No additional liner material is  
                  anticipated.
- (4)     A Baker tension pkr (or equivalent) will be set @ 3125' in tension.
- B.     (1)     The injection formations will be the Grayburg/San Andres in the  
                  Grayburg/Jackson field.
- (2)     The Injection Interval will be through perforations in the 5-1/2" csg. The  
                  proposed intervals are 3200-4082'.
- (3)     This well was originally drilled and completed as an oil well. It produced  
                  from the Grayburg/San Andres Formations.
- (4)     Additional Perforations may be added in the 3200-3725' interval.
- (5)     The Top of the Seven Rivers Formation is approximately 2300', there are  
                  no known lower oil formations.

Devon Energy Operating Corporation

Attachment III - Schematic

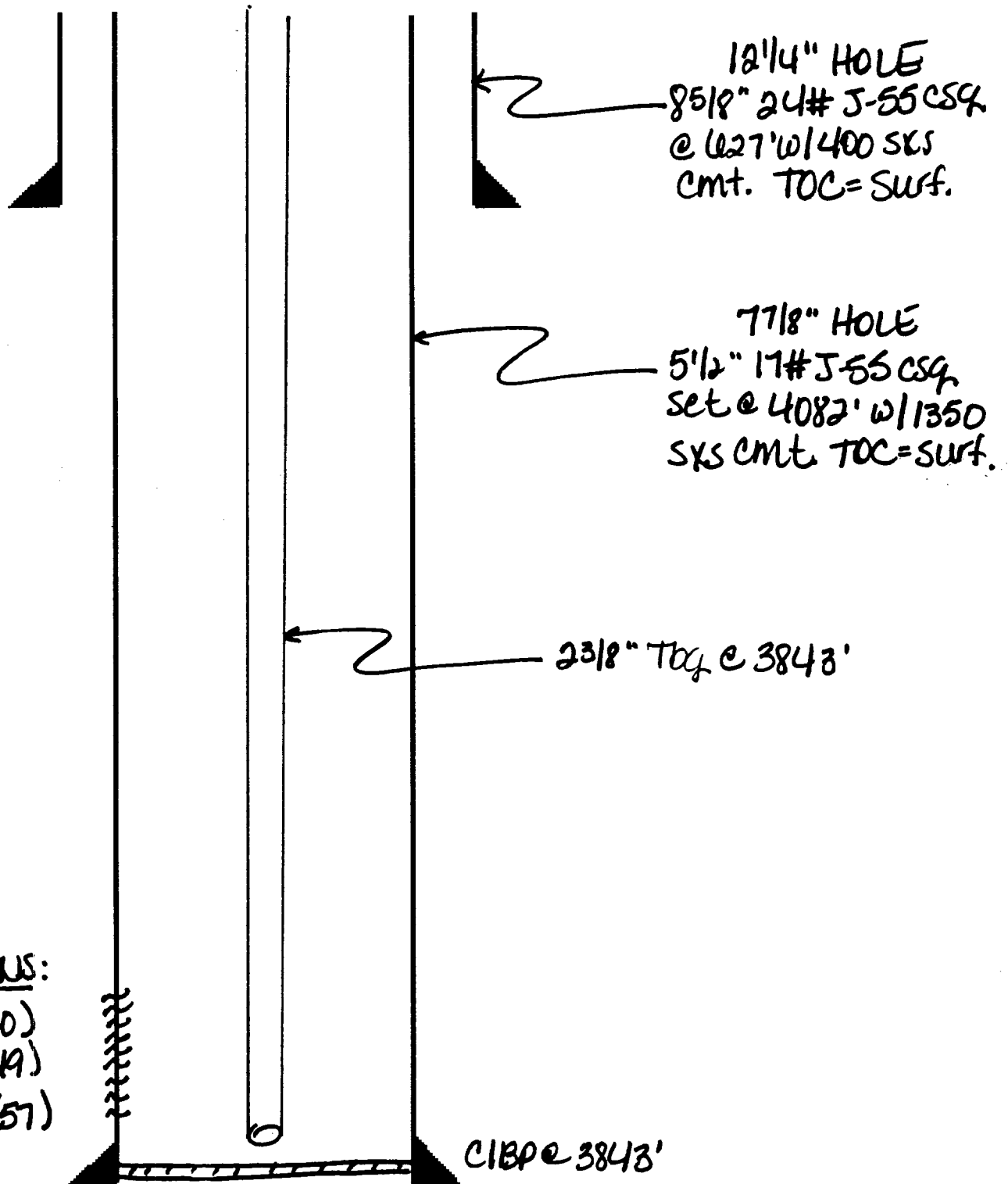
PROPOSED WELLBORE

H.E. West "B" #37  
1980' FSL 1980' FEL  
Section 3-17S-31E  
Eddy County, NM



Devon Energy Operating Corporation  
Attachment III - Schematic  
EXISTING WELLBORE

H.E. West "B" #37  
1980' FSL 1980' FEL  
Section 3-17S-31E  
Eddy County, NM



PERFORATIONS:

3911-4009' (30)  
3653-3881' (49)  
3410-3614' (57)

TD 4082'

## **ATTACHMENT III (tabular)**

### **Well Data**

- A. (1) H.E. West "B" #39  
1980' FNL 1980' FWL  
Section 9-17S-31E  
Eddy County, NM
- (2) **Surface Casing:** 8-5/8" 24# J-55 set @ 488' w/350 sxs cmt.  
TOC surface. (12-1/4" hole)  
**Production Casing:** 5-1/2" 17# J-55 set @ 3868' w/1150 sxs cmt.  
TOC surface. (7-7/8" hole)  
Please also refer to the wellbore schematic labeled Attachment III -  
(schematic)
- (3) Tubing will be 2-3/8" plastic coated 4.7#, set @ 2975'.
- (4) A Baker Tension pkr (or equivalent) will be set @ 2975' in tension.
- B. (1) The injection formations will be the Grayburg/San Andres in the  
Grayburg/Jackson field.
- (2) The proposed intervals are 3050-4000'. The injection interval will be open  
hole 3868-4000', and through existing and proposed perforations 3050-  
3868'.
- (3) This well was originally drilled and completed as an oil well. It produced  
from the Grayburg/San Andres Formations.
- (4) Additional Perforations may be added in the 3050-3868' interval.
- (5) The Top of the Seven Rivers Formation is approximately 2300', there are  
no known lower oil formations.



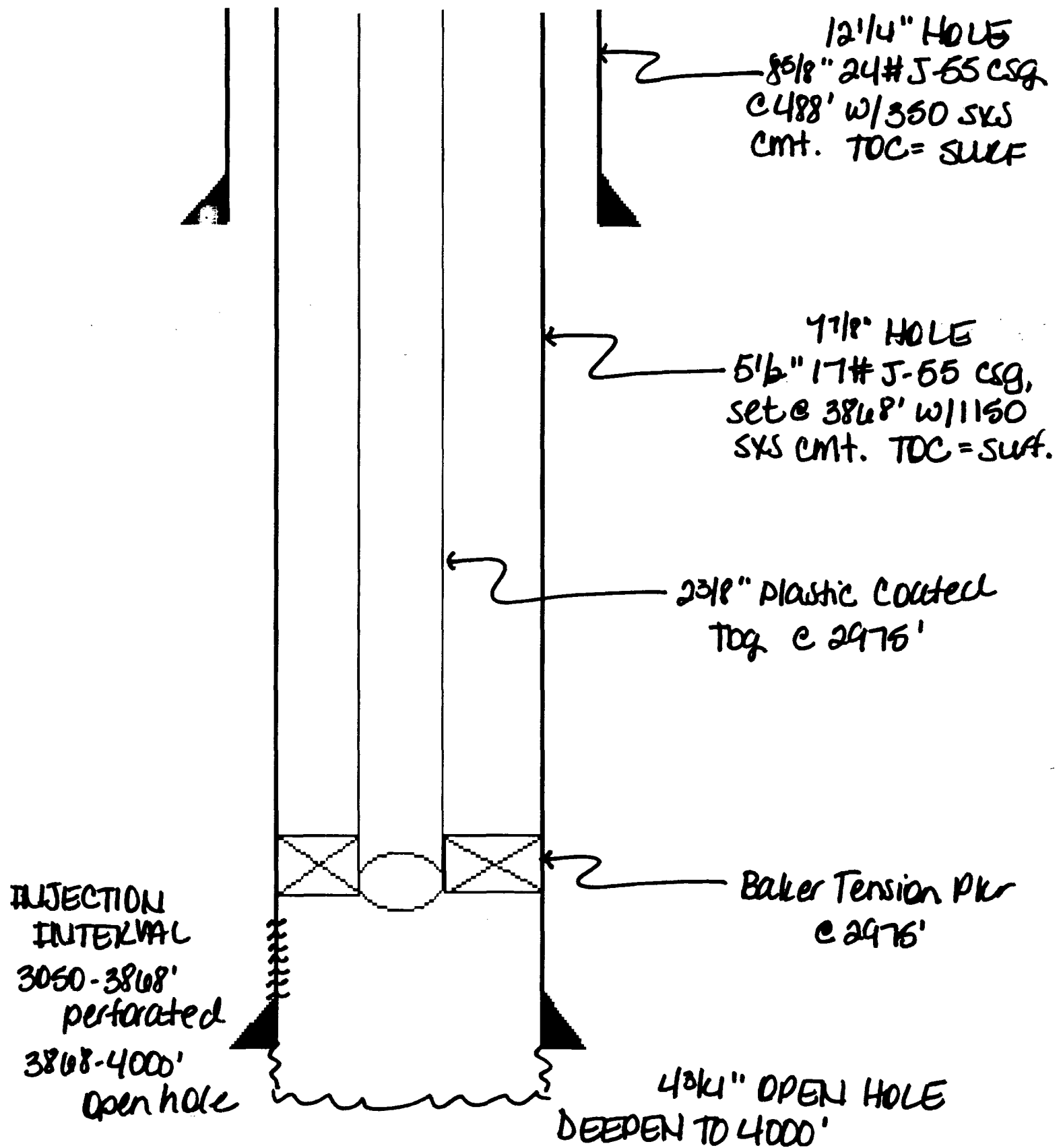
Devon Energy Operating Corporation

Attachment III - Schematic

PROPOSED WELLBORE

H.E. West "B" #39  
1980' FNL 1980' FWL  
Section 9-17S-31E  
Eddy County, NM

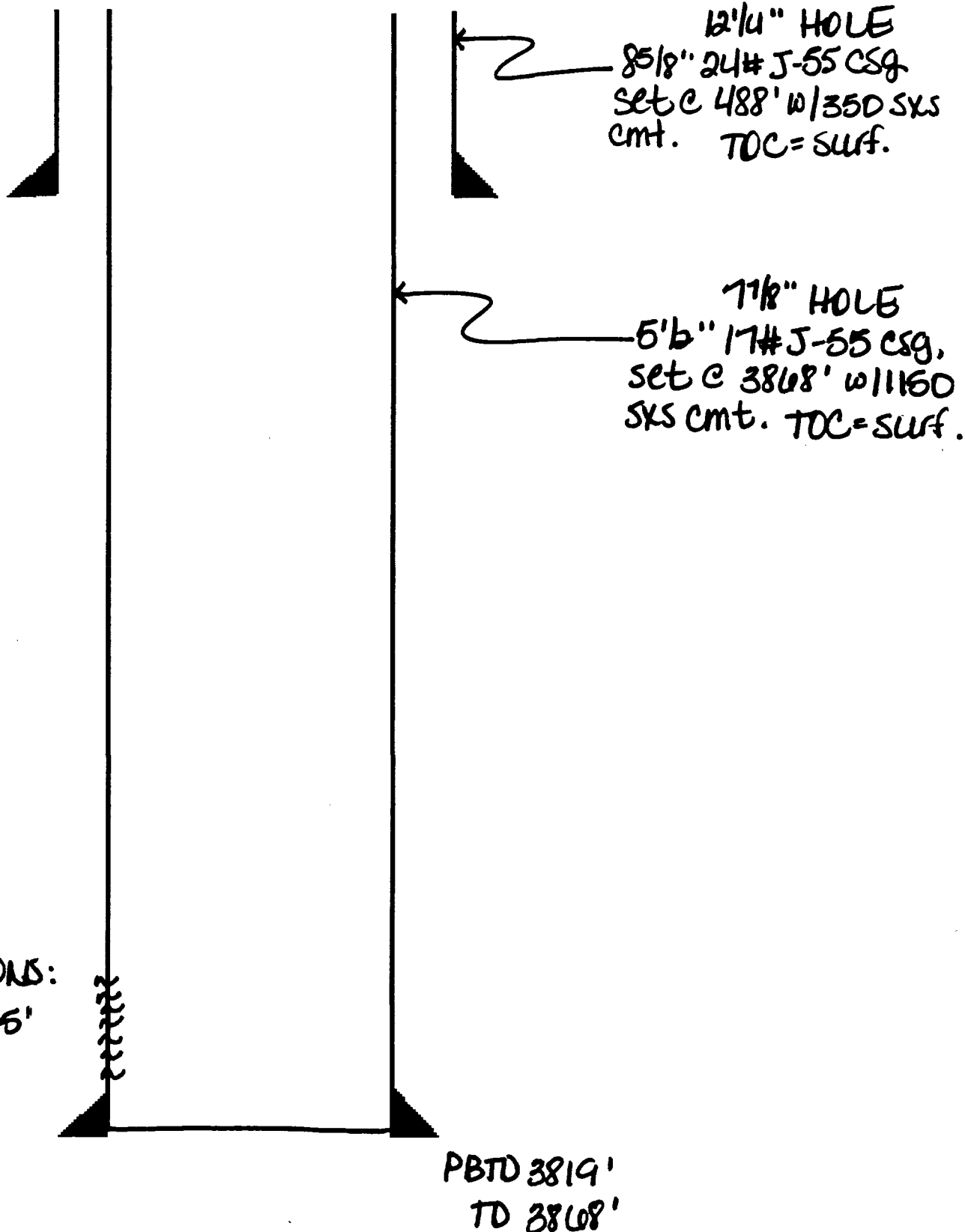
GL=3881'



Devon Energy Operating Corporation  
Attachment III - Schematic  
EXISTING WELLBORE

H.E. West "B" #39  
1980' FNL 1980' FWL  
Section 9-17S-31E  
Eddy County, NM

GL 3881'



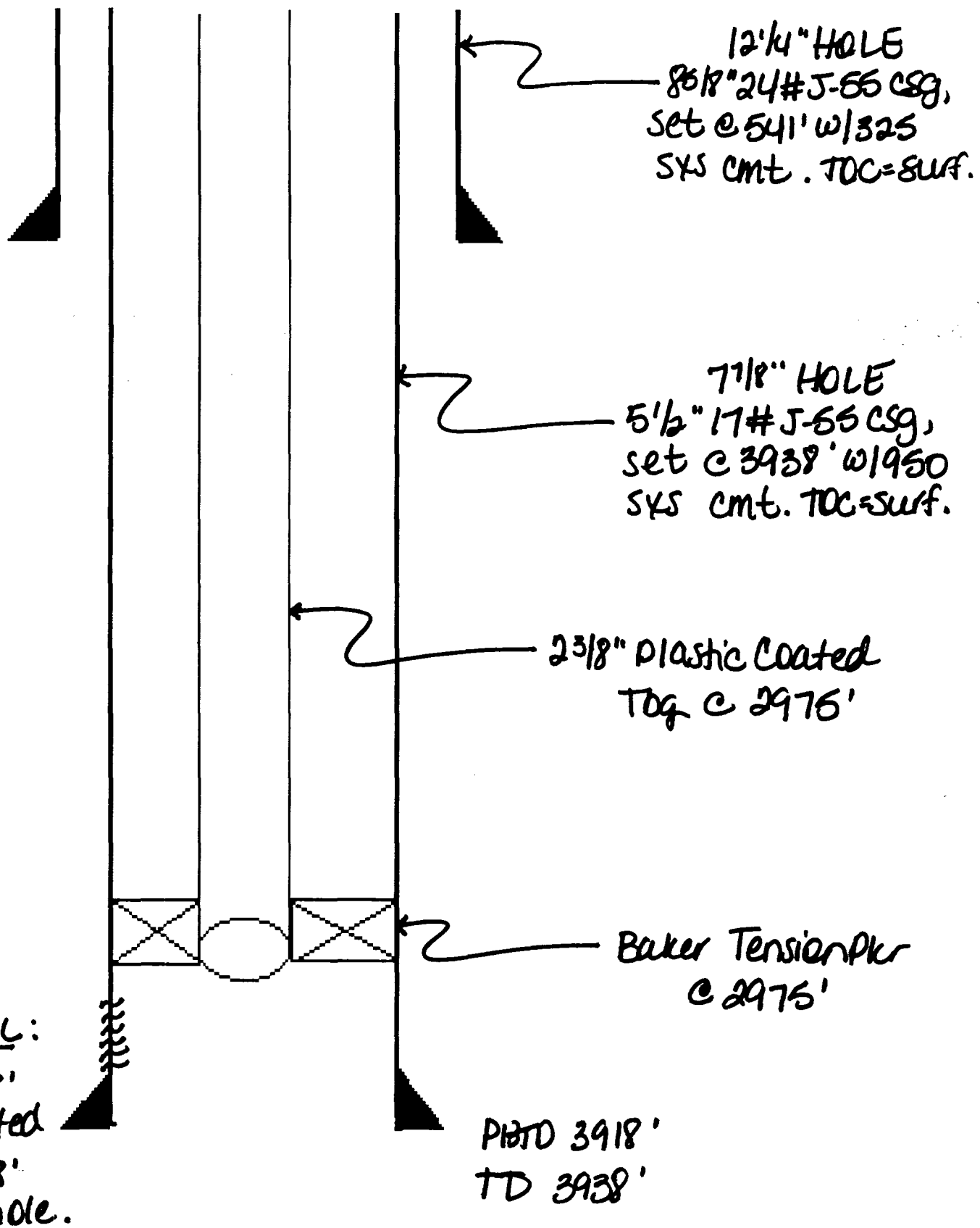
## **ATTACHMENT III (tabular)**

### **Well Data**

- A.     (1)     H.E. West "B" #46  
              1880' FSL 1980' FEL  
              Section 9-17S-31E  
              Eddy County, NM
- (2)     **Surface Casing:** 8-5/8" 24#, set @ 541' w/325 sxs cmt.  
                  TOC surface. (12-1/4" hole)  
                  **Production Casing:** 5-1/2" 17# J-55 set @ 3938' w/950 sxs cmt.  
                  TOC surface. (7-7/8" hole)  
                  Please also refer to the wellbore schematic labeled Attachment III -  
                  (schematic)
- (3)     Tubing will be 2-3/8" plastic coated 4.7#, set @ 2975'
- (4)     A Baker tension (or equivalent) Pkr will be set @ 2975' in tension
- B.     (1)     The injection formations will be the Grayburg/San Andres in the  
                  Grayburg/Jackson field.
- (2)     The proposed intervals are 3100-3938'. The injection interval will be open  
                  hole 3918-3938' and through existing and proposed perforations 3100-  
                  3918'.
- (3)     This well was originally drilled and completed as an oil well. It produced  
                  from the Grayburg/San Andres Formations.
- (4)     Additional Perforations may be added in the 3100-3918' interval.
- (5)     The Top of the Seven Rivers Formation is approximately 2300', there are  
                  no known lower oil formations.

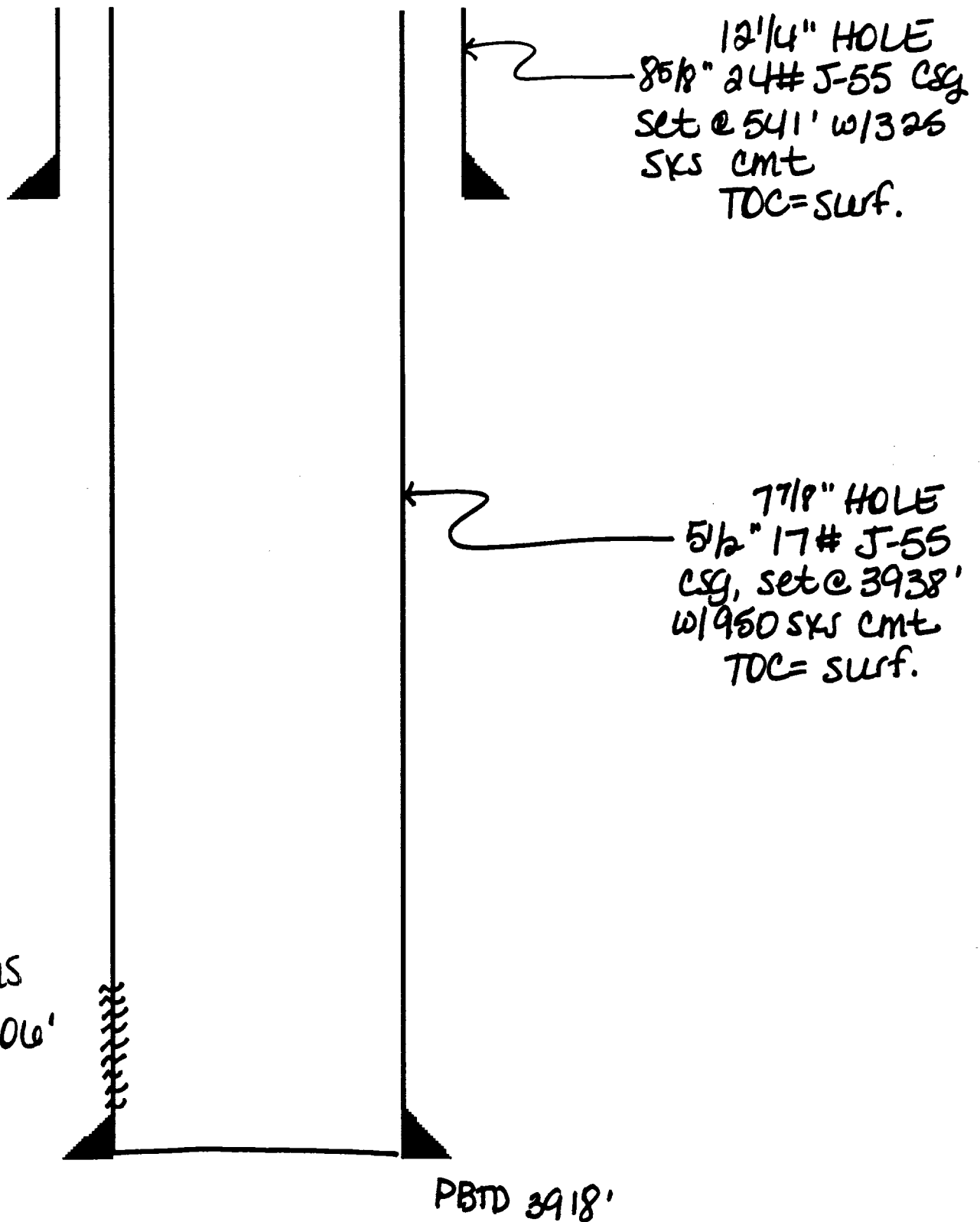
Devon Energy Operating Corporation  
Attachment III - Schematic  
PROPOSED WELLBORE

H.E. West "B" #46  
1880' FSL 1980' FEL  
Section 9-17S-31E  
Eddy County, NM



Devon Energy Operating Corporation  
Attachment III - Schematic  
EXISTING WELLBORE

H.E. West "B" #46  
1880' FSL 1980' FEL  
Section 9-17S-31E  
Eddy County, NM



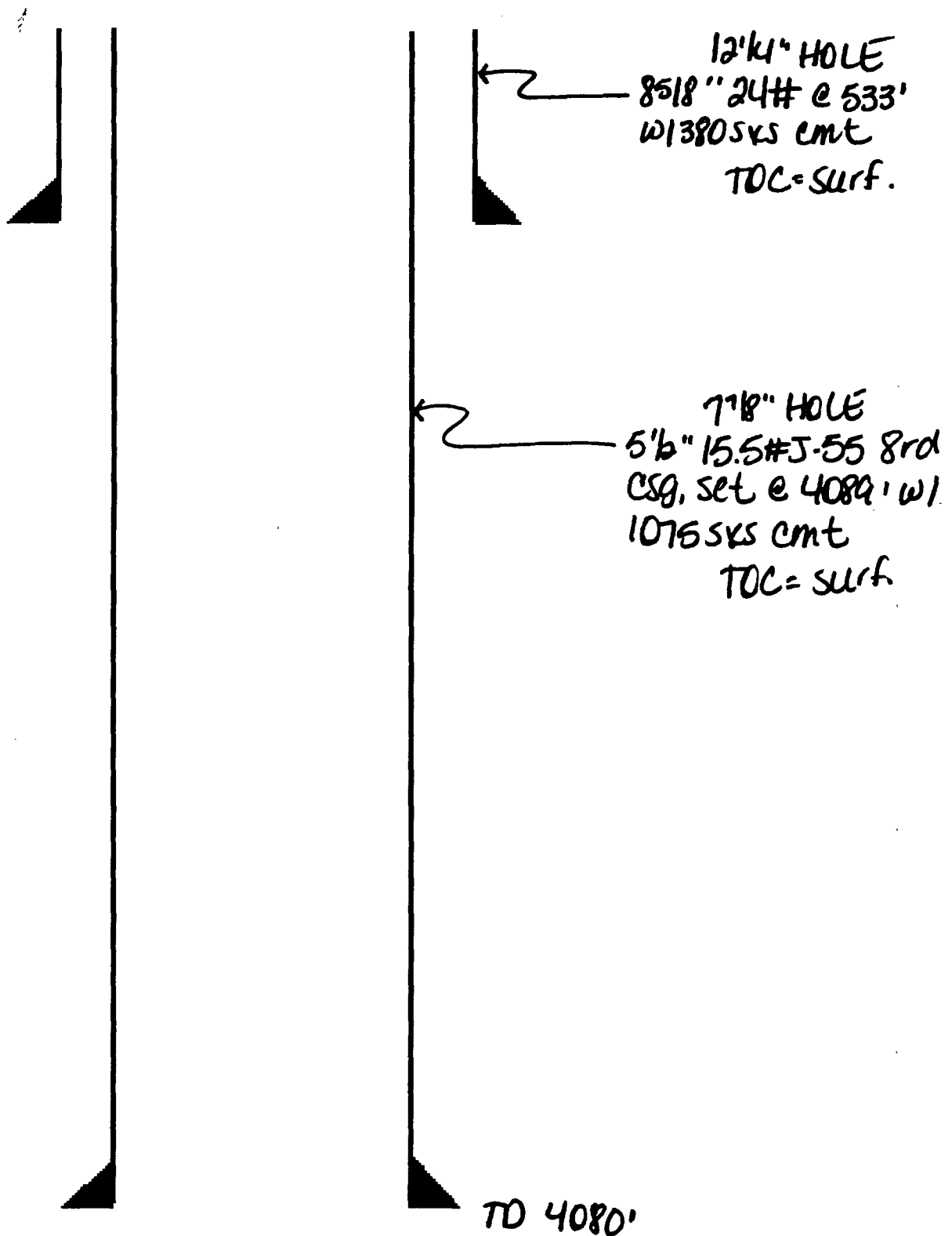
## **ATTACHMENT III (tabular)**

### **Well Data**

- A.     (1)     H.E. West "B" #78  
              510' FNL & 660' FWL  
              Section 9-17S-31E  
              Eddy County, NM
- (2)     **Surface Casing:** 8-5/8" 24# J-55 set @ 533' w/380 sxs cmt.  
                  TOC surface. (12-1/4" hole)  
                  **Production Casing:** 5-1/2" 15.5# J-55 8RD csg, set @ 4089' w/1075 sxs  
                  cmt. TOC @ surface (7-7/8" hole).  
                  Please also refer to the wellbore schematic labeled Attachment III -  
                  (schematic)
- (3)     Tubing will be 2-3/8" plastic coated 4.7#, set @ 3000'
- (4)     A Baker Tension (or equivalent) will be set @ 3000' in tension.
- B.     (1)     The injection formations will be the Grayburg/San Andres in the  
              Grayburg/Jackson field.
- (2)     The proposed intervals are 3084-3902'. The injection interval will be  
                  and through existing and proposed perforations 3084-3902'.
- (3)     This well was originally drilled and completed as an oil well. It produced  
                  from the Grayburg/San Andres Formations.
- (4)     Additional Perforations may be added in the 3084-3902' interval.
- (5)     The Top of the Seven Rivers Formation is approximately 2300', there are  
                  no known lower oil formations.

Devon Energy Operating Corporation  
Attachment III - Schematic  
EXISTING WELLBORE

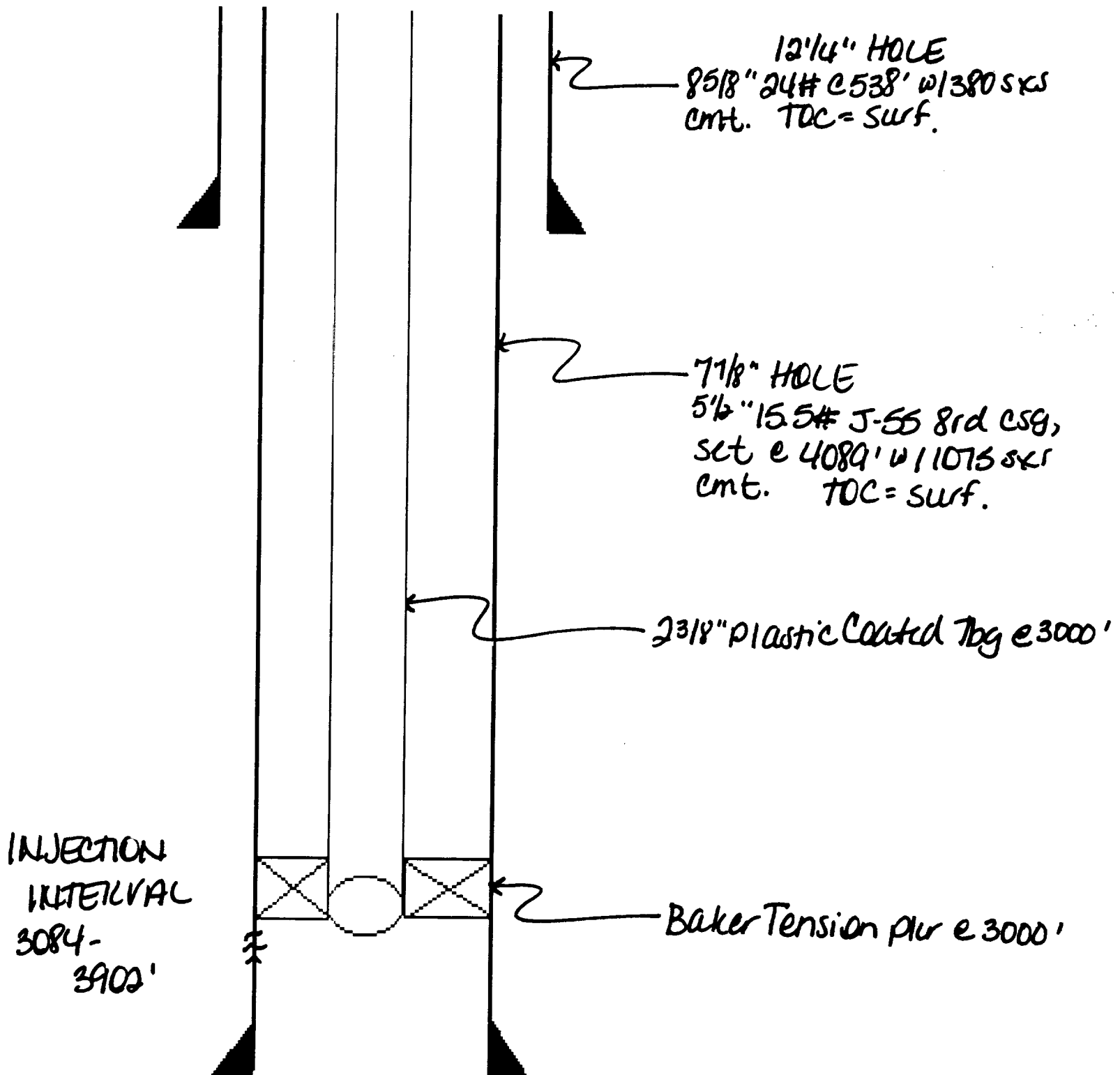
H.E. West "B" #78  
660' FNL & 660' FWL  
Section 9-17S-31E  
Eddy County, NM



Well Status: As of 11-15-95 - WOCL

Devon Energy Operating Corporation  
Attachment III - Schematic  
PROPOSED WELLBORE

H.E. West "B" #78  
660' FNL & 660' FWL  
Section 9-17S-31E  
Eddy County, NM





## ATTACHMENT III (tabular)

### Well Data

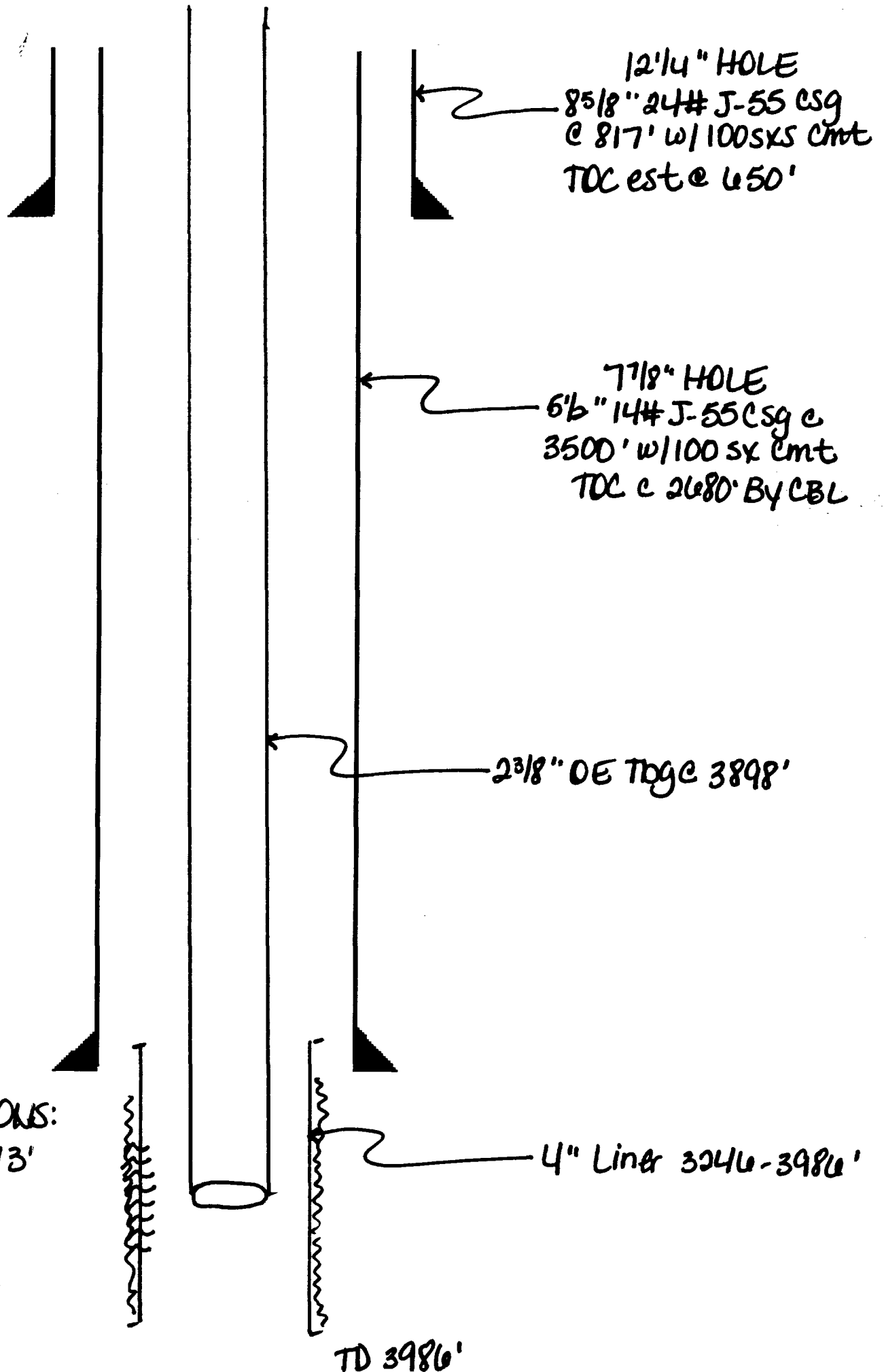
- WITHDRAWN**
- A. (1) H.E. West "A" #11  
1980' FNL 1980' FWL  
Section 3-17S-21E  
Eddy County, NM
- (2) **Surface:** 8-5/8" 24# J-55 set @ 817' w/100 sxs cmt. (12-1/4" hole)  
**Production:** 5-1/2" 14# J-55, set @ 3500' w/100 sxs cmt (7-7/8" hole)  
**Liner:** 4" from 3246-3986'  
Cement was circulated back to surface on the surface string  
and the production string.  
Please also refer to the wellbore schematic labeled Attachment III
- (3) Tubing will be 2-3/8" 4.7#, J-55 EUE Plastic Coated, set @ 3125'.
- (4) A Baker, Tension (or equivalent) Pkr will be set @ 3125' in tension.
- B. (1) The injection formations will be the Grayburg/San Andres in the  
Grayburg/Jackson field.
- (2) The proposed intervals are 3200-4100'. The injection interval will be open  
hole 3986-4100', and through existing and proposed perforations  
3200-3973'.
- (3) This well was originally drilled and completed as an oil well. It produced  
from the Grayburg/San Andres Formations.
- (4) Please refer to the wellbore schematic labeled Attachment III (schematic)  
for depths of other perforated intervals and detail on the sacks of cement of  
BP used to seal off perforations. Additional perforations may be added in  
the 3200-3986' interval.
- (5) The Top of the Seven Rivers Formation is approximately 2300', there are  
no known lower oil formations.

Devon Energy Operating Corporation

Attachment III - Schematic

EXISTING WELLBORE

H.E. West "A" #11  
1980' FNL 1980' FWL  
Section 3-17S-31E  
Eddy County, NM

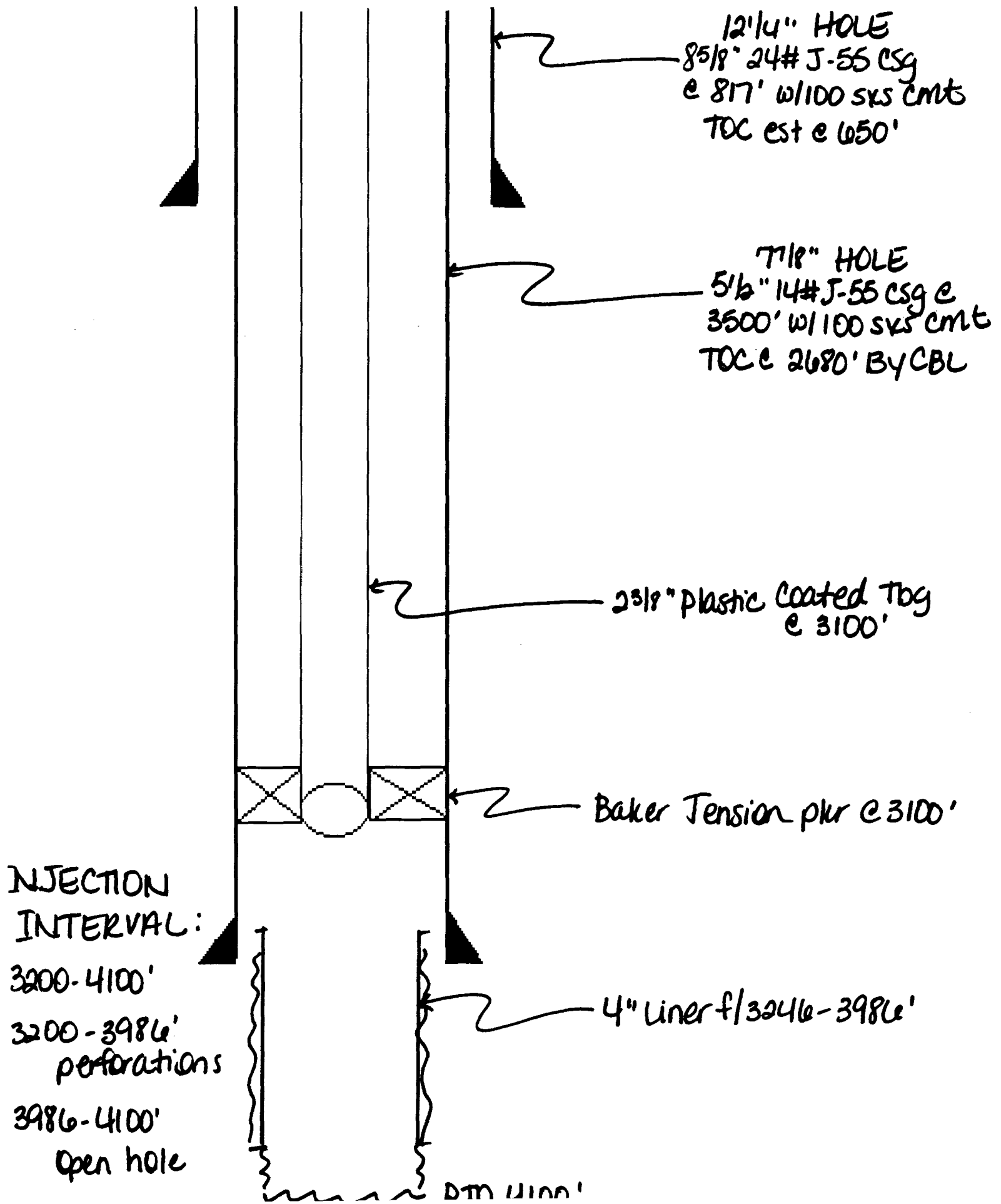


Devon Energy Operating Corporation

Attachment III - Schematic

PROPOSED WELLBORE

H.E. West "A" #11  
1980' FNL 1980' FWL  
Section 3-17S-31E  
Eddy County, NM



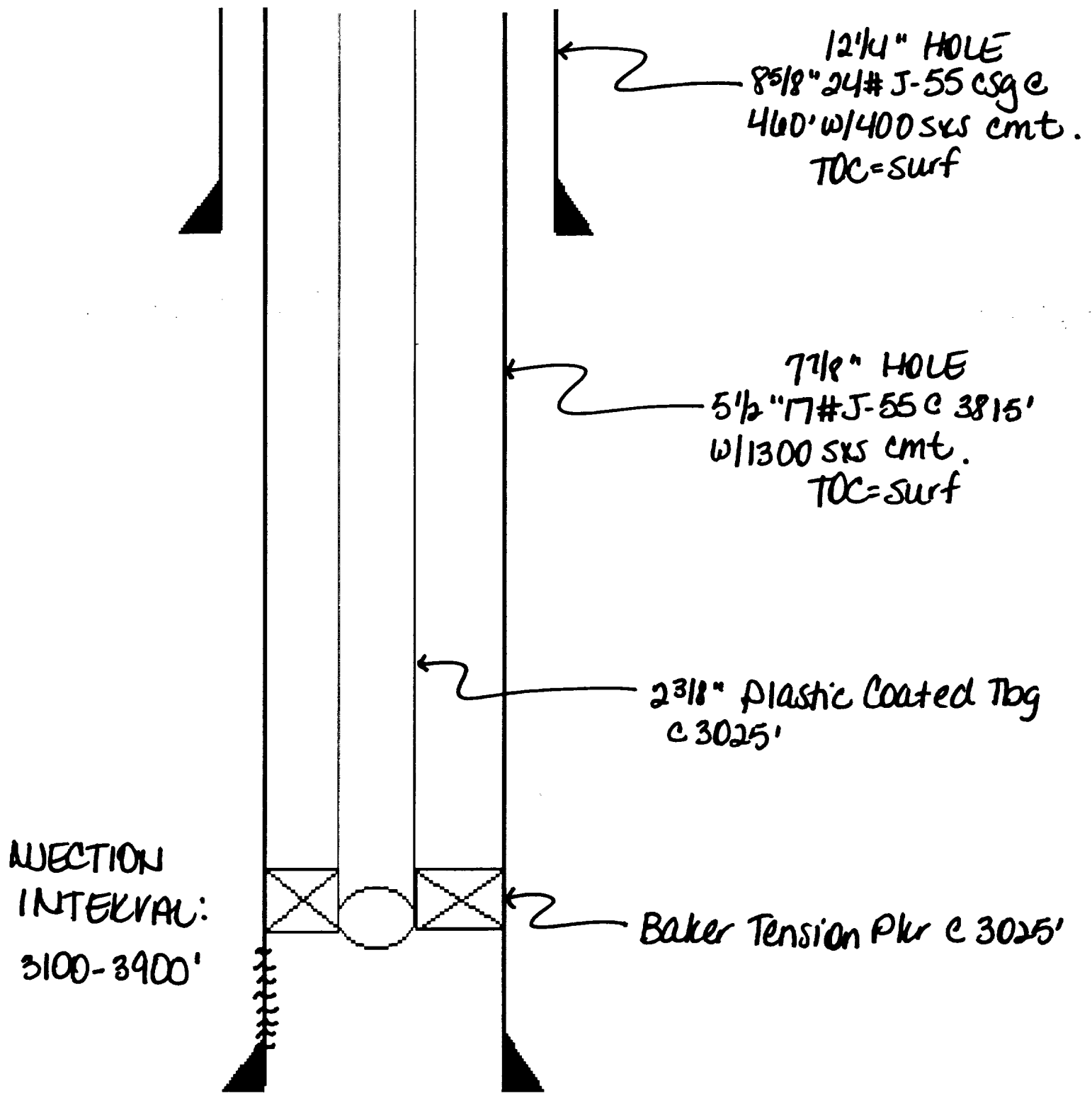
**ATTACHMENT III (tabular)**

**Well Data**

- WIT H DRAWN
- A. (1) H.E. West "B" #35  
860' FWL and 1980' FSL  
Section 9-17S-31E  
Eddy County, NM
- (2) **Surface Casing:** 8-5/8" 24# J-55 set @ 460' w/400 sxs cmt.  
Est TOC surface. (12 1/4" hole)  
**Production Casing:** 5-1/2" 17# set @ 3815' w/1300 sxs cmt.  
TOC @ surface (7-7/8" hole)  
Please also refer to the wellbore schematic labeled Attachment III -  
(schematic)
- (3) Tubing will be 2-3/8" plastic coated 4.7#, set @ 3025'
- (4) A Baker Tension pkr (or equivalent) will be set @ 3025' in tension
- B. (1) The injection formations will be the Grayburg/San Andres in the  
Grayburg/Jackson field.
- (2) The proposed intervals are 3100-3900' The injection interval will be  
through existing and proposed perforations 3100-3900'.
- (3) This well was originally drilled and completed as an oil well. It produced  
from the Grayburg/San Andres Formations.
- (4) Additional Perforations may be added in the 3100-3900' interval.
- (5) The Top of the Seven Rivers Formation is approximately 2300', there are  
no known lower oil formations.

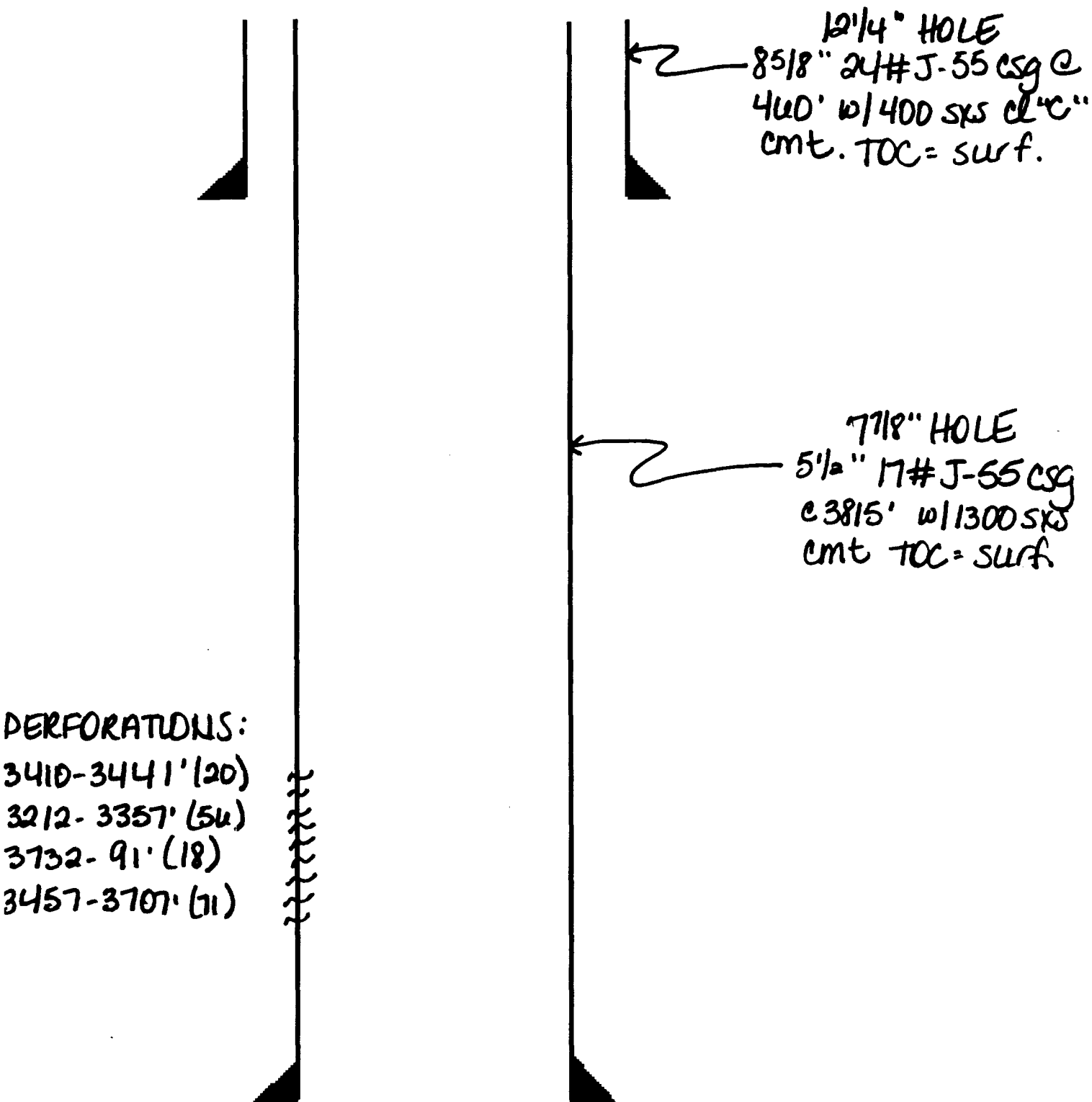
Devon Energy Operating Corporation  
Attachment III - Schematic  
PROPOSED WELLBORE

H.E. West "B" #35  
860' FWL and 1980' FSL  
Section 9-17S-31E  
Eddy County, NM



Devon Energy Operating Corporation  
Attachment III - Schematic  
EXISTING WELLBORE

H.E. West "B" #35  
860' FWL and 1980' FSL  
Section 9-17S-31E  
Eddy County, NM



**ATTACHMENT III (tabular)**

**Well Data**

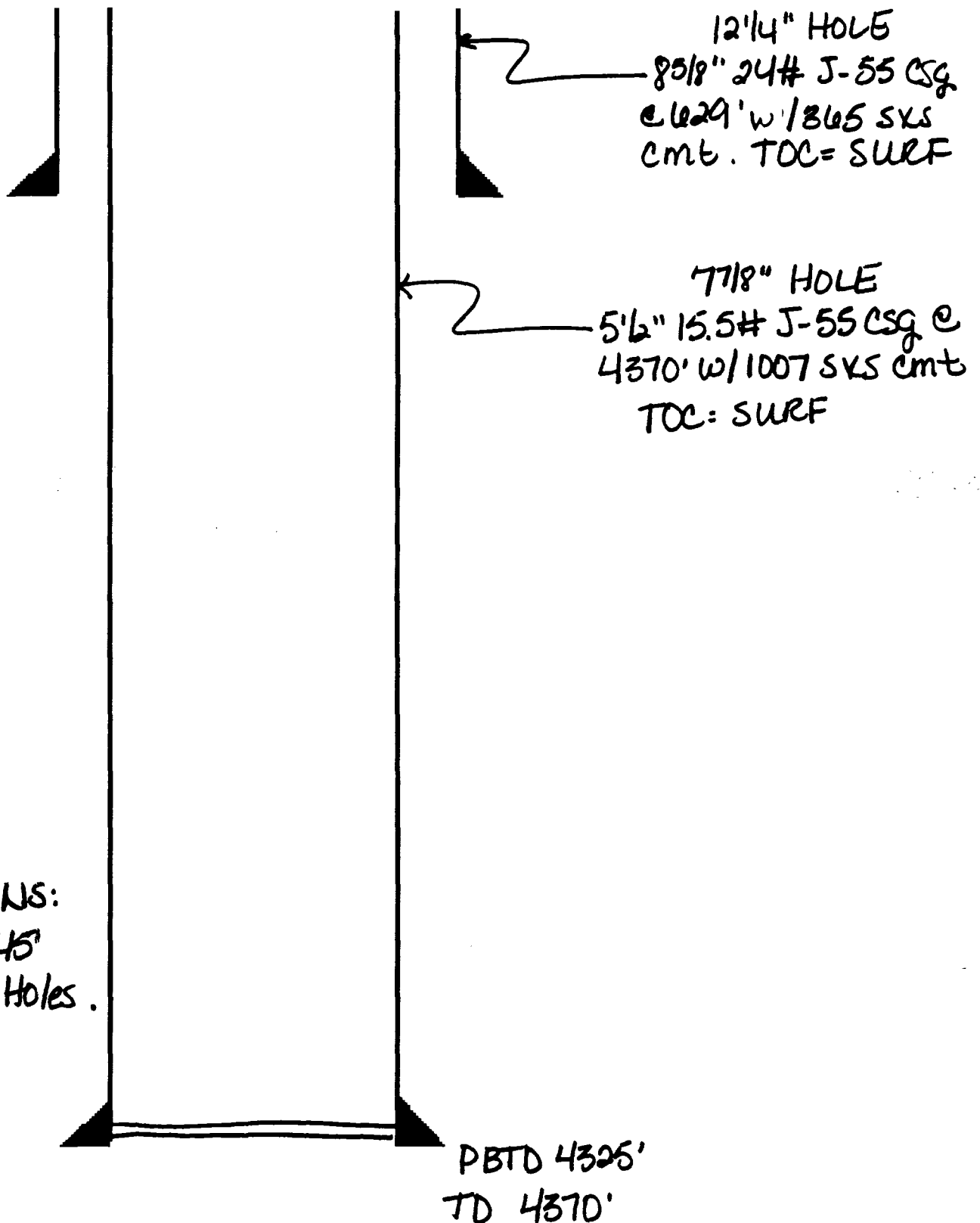
- WITHDRAWN
- A. (1) H.E. West "B" #48  
2130' FSL 1980' FEL  
Section 10-17S-31E  
Eddy County, NM
- (2) **Surface Casing:** 8-5/8" 24# J-55 set @ 629' w/365 sxs cmt.  
TOC @ surface (12-1/4" hole)  
**Production Casing:** 5-1/2" 15.5# J-55 set @ 4370' w/1007 sxs cmt.  
Est TOC @ surface. (7-7/8" hole)  
Please also refer to the wellbore schematic labeled Attachment III -  
(schematic)
- (3) Tubing will be 2-3/8" plastic coated 4.7#, set @ 3075'.
- (4) A Baker Tension pkr (or equivalent) Pkr will be set @ 3075' in tension
- B. (1) The injection formations will be the Grayburg/San Andres in the  
Grayburg/Jackson field.
- (2) The proposed intervals are 3150-4000'. The injection interval will be  
through the existing and proposed perforated interval 3150-4000'
- (3) This well was originally drilled and completed as an oil well. It produced  
from the Grayburg/San Andres Formations.
- (4) Additional Perforations may be added in the 3150-4000' interval. The  
perforated interval 4200-4245' will be isolated by setting a CIBP in the  
5-1/2" csg @ 4150' and capping with 35 sxs of cmt.
- (5) The Top of the Seven Rivers Formation is approximately 2300', there are  
no known lower oil formations.

16.2.2017



Devon Energy Operating Corporation  
Attachment III - Schematic  
EXISTING WELLBORE

H.E. West "B" #48  
2130' FSL 1980' FEL  
Section 10-17S-31E  
Eddy County, NM



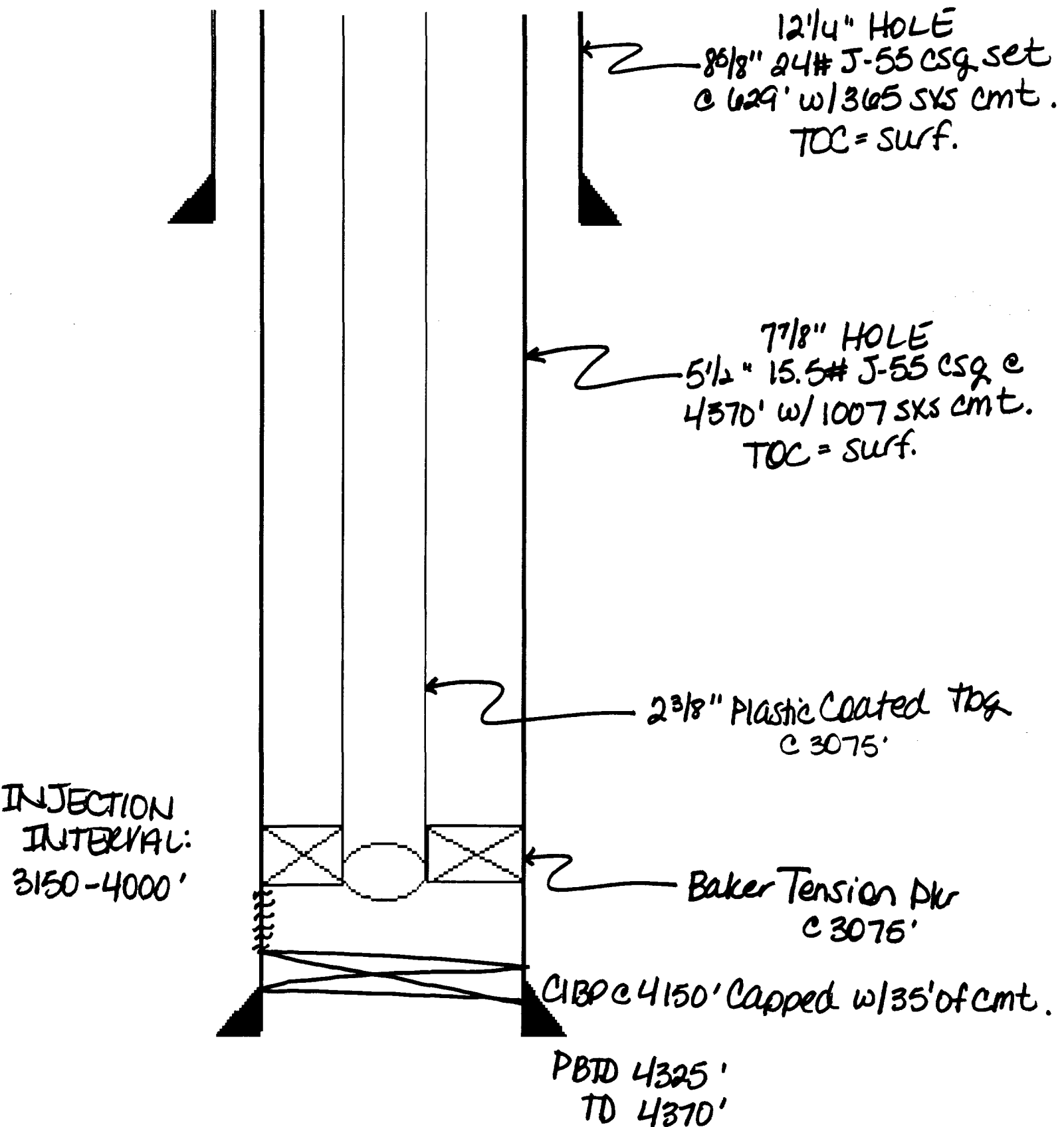
PERFORATIONS:  
3272 - 4245'  
Total of 85 Holes.

Devon Energy Operating Corporation

Attachment III - Schematic

PROPOSED WELLBORE

H.E. West "B" #48  
2130' FSL 1980' FEL  
Section 10-17S-31E  
Eddy County, NM



Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "B" #3	"C"	2/26/46	5/3/46	Oil	3500'	708' of 10-3/4" 32.75# csg set @ 417' w/100 sxs cmt. TOC Surf
Current Status:	660' FNL 1980' FWL					7" csg set @ 3294' w/100 sxs cmt, TOC est @ 2888'. 2" 4.7# J-55 tbg set @ 3329'. Producing zone: 3440-3365'.
Dual Wtr Inj	Sec. 4-17S-31E		10/9/62 9/9/64	W/W D/W/W		Commenced injecting wtr 10/9/62 Recomplete as a dual wtr inj well. Ran 4-1/2" csg flnr (3227-3799); Perfd 4-1/2" liner @ 3500' w/ 4-3/8" holes. Set pkr @ 3450'. Perf Loco Hills f/3210-18', Metex f/3258-68', Square Lake f/3290-3302' and 3313-18'. Premier f/3352-57' and 3392-3406' and 3414-26' w/132 3/8" holes. Squeeze 4-1/2" liner thru perfs 3258-3414' w/700 sxs & dtd cmt to 3465'. Perf Premier f/ 3392-3406', 3414-26' w/52 - 3/8" holes. 10-3/4" 43# csg set @ 649' w/125 sxs cmt, TOC est @ 211'. 7" csg set @ 3338 w/150 sxs cmt, TOC Est @ 2728'.
H.E. West "A" #2	"B"	2/5/48	3/21/48	Oil	3494'	
Current Status:	660' FNL 1980' FEL		11/53 04/66 05/66			C.O f/3455-92' w/cable tools. set pkr @ 3285'. Ran 3155' of 2-1/2" tbg. Run logs. Perf Open hole f/3343-3460'. Perf Opn hole Grayburg 3340-3465' w/7 holes. Ran 2-7/8" tbg. set @ 3348'. Began pumping well.
Oil Well	Sec. 4-17S-31E					
H.E. West "A" #7	"A"	5/8/55	6/17/55	Oil	3386'	8-5/8" 24# set @ 760' w/100 sxs cmt, TOC est @ 600' 5-1/2" 15.5# set @ 3234' w/200 sxs cmt, TOC est @ 2576'. Ran tbg to 3328'. Convert to wtr injection well Pulled rods & tbg. Ran tbg & pkr to 3100'. Started injection wtr. Deepened f/3386-3883', Run tbg & pkr to 3279'. Inj. 142 bbl wtr into opn hole 3234-3883'.
Current Status:	660 FNL					
Wtr Injection	Sec. 4-17S-31E		09/62 10/62 08/63	W/W		
					3833'	

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "B" #5	"F"	8/1/50	10/12/50	Oil	3487'	10-3/4" 40.5# set @ 682' w/150 sxs cmt. TOC Surf
Current Status:	1980' FNL					7" 26# set @ 3186' w/150 sxs TOC surf.
Oil Well	Sec. 4-17S-31E					2-1/2" tbg # 3266', Pkr @ 3463'.
			07/63	Pmpg Oil	3841'	Formation: 3331-3487'
			09/66	Oil		Deepen well to 3841'. Pulled pks & RR 2-7/8" tbg to 3200' (well on pmp)
						4-1/2" liner hung f/3105-3794', squeezed w/300 sxs. Csg scraper to 3665'.
						Pkr to 3648', Perf liner Grayburg 3393-3425' (25 holes). Vacuum f/3472-
						3483' (18 holes). Lovington f/3548-58' (20 holes).
H.E. West "B" #6	"L"	3/10/51	5/10/95	Oil	3314	10-3/4" set 669' w/100 sxs, TOC est @ 318'. 7" set 3123' w/200 sxs,
Current Status:	2005' FNL					TOC est @ 2310' 2" tbg set @ 3141'. Formation: 3286-97'
Wtr Injection	660' FWL		11/28/52	Oil	3556	Deepen to 3556'. Formation: 3526-38'.
	Sec. 4-17S-31E					2" 4 7# tbg set to 3390'.
		11/8/52	09/62	W/W		Pulled rods & tbg, ran logs. Ld hole w/wtr. Started injecting wtr 300 BPM.
						Set 511' of 4-1/2" liner w/150 sxs cmt. f/3043-3554'. Squeeze liner @ 3060'
						w/ 3/8" holes. Set ret in 7" csg @ 2958'. Ran 2" tbg to 2958' & squeeze
						4-1/2" liner 3008-3519' w/88 sxs. Inj. wtr in tbg & csg & comp. as dual W/W
			06/80	SW/W		POOH w/tbg & pkr. Inst BOP. RIH & set pkr @ 3112'. Return to inj 5/14/80
H.E. West "A" #6	"H"	1/2/55	2/12/55	Oil	3369'	8-5/8" csg @ 740' w/100 sxs, TOC est @ 580'
Current Status:	1980' FNL					7" csg @ 3220' w/200 sxs, TOC est @ 2407'. 2-3/8" tbg @ 3213'.
Oil Well	660' FEL		8/4/63		3870'	Formation: 3356-63'
H.E. West "B" #60	Sec. 4-17S-31E	8/24/63	1/26/95	Oil	4335'	Deepen to 3870'. Formation: 3356-3870'.
Current Status:	2625' FNL					8-5/8" J-55 24# csg, set @ 586' w/365 sxs cmt, TOC surf. (12-1/4" hole)
Oil Well	1305' FWL					5-1/2" J-55 15.5# csg, set @ 4335' w/1225 sxs cmt, TOC surf. (7-7/8" hole)
H.E. West "B" #61	Sec. 10-17S-31E	11/5/95	2/25/95	Oil	4350'	Perfs: 3272-4251'. 2-7/8" tbg OE @ 4269'.
Current Status:	2625' FNL					8-5/8" J-55 24# csg, set @ 606' w/365 sxs cmt, TOC surf. (12-1/4" hole)
Oil Well	15' FWL					5-1/2" J-55 15.5# csg, set @ 4341' w/1225 sxs cmt, TOC surf. (7-7/8" hole)
	Sec. 10-17S-31E					Perfs: 3227-4120". 2-7/8" tbg OE @ 4182'.

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "A" #4	"G"	8/7/54	9/13/54	Oil	3341'	8-5/8" set @ 706' w/100 sxs cmt. TOC est @ 600' 7" set @ 3169' w/200 sxs cmt. TOC est @ 2356'. 2" @ 3283'. Formation: f/3326-3336' Set 774' of liner @ 3842' cmt'd w/95 sxs. Perf'd 4-1/2" liner 3760-63' & 3816-22' w/18 holes. 2" tbg to 3825'. pkr @ 3735'.
Current Status:	1980' FNL 1980' FEL	8/23/62	9/19/62	DWIV		2" tbg @ 3600'. Comp as a dual inj well. Perf (1) 3242-44'; (2) 3252-54'; (3) 3296-98'; (4) 3304-06'; (5) 3382-86'; (6) 3392-98'. Ran 2" tbg landed in 4-1/2" pkr @ 3450'. POOH w/triple assembly. Set pkr @ 3167'. 4/28/61 commence injecting wtr into perfs 3242-3822'. (Single Wtr Injection well.) Well temporarily abandoned.
Temp. Aband.	Sec. 4-17S-31E					
			9/12/63	TWIV		
			5/6/81	SWIV		
			09/92	TAd		
H.E. West "A" #9	"I"	10/19/55	11/26/55	Oil	3375'	8-5/8" set @ 719' w/100 sxs. TOC est @ 280' 7" set @ 3198' w/200 sxs. TOC est @ 2440'. 2" to 3353'. Formation: 3345-48' and 3362-70'. Ran 2" tbg & pkr to 3105'. Ld hle w/wtr. Started wtr injection. Deepen to 3868'. Completed as an Injection Well. PB f/3868' to 3700' w/BP Plugged and abandoned 4/26/82 Drd & CO to 3868'. Set top of liner @ 2967'. cmt'd w/175 sxs. Perf'd f/3296-3854' (61). set pkr & tbg @ 3205'. Ready for inj. pkr @ 3200'. Put back on inj.
Current Status:	660' FEL		08/62	WIV		
Wtr Injection	Sec. 4-17S-31E		08/63	WIV	3868'	
			02/65		PBTD 3700'	
			04/82	<del>WIV</del>		
			10/89	<del>WIV</del>		
			12/93			
H.E. West "B" #85	"K"	3/10/95	4/24/95	Oil	4470'	8-5/8" J-55 24# csq, set @ 643' w/300 sxs cmt. TOC surf. (12-1/4" hole) 5-1/2" J-55 15.5# csq, set @ 4469' w/965 sxs cmt. TOC surf. (7-7/8" hole) Perfs: 3328-4237'. 2-7/8" tbg OE @ 4272'.
Current Status:	2614' FSL 2621' FWL				PBTD 4421'	
Oil Well	Sec. 3-17S-31E					

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "A" #8	"E"	8/55/55	9/18/55	Oil	3404'	8-5/8" 24# set @ 769' w/100 sxs cmt, TOC est @ 609'; 5-1/2" set @ 3246' w/200 sxs cmt, TOC est @ 2484'; 2" @ 3360'; Zone: 3386-3404'
Current Status:	1980' FNL 660' FWL					
Wtr Injection	Sec. 3-17S-31E					
			09/62	W/W		Pulled rods & tbg, Ran 2" tbg & pkr to 3140', started wtr injection
			02/65		PBTD 3750'	PB to 3750' w/SBP
			04/82			Plugged and abandoned effective 4/23/82
			08/89		3901'	Reentered & drld to 3901'. Set RBP @ 2150'.
			10/89	W/W		Drld out ret. Ran 30 jts 4" liner & set f/3901'-2989', cmt'd w/75 sxs cl "C".
						Perf 3360-3795' w/45 holes. RIH w/pkr & tbg, set @ 2834'. Well ready for injection. (2-3/8" liner f/3022-3901' w/100 sxs).
H.E. West "A" #5	"J"	10/20/54	12/23/54	Oil	3650'	8-5/8" @ 695' w/100 sxs cmt, TOC Surf
Current Status:	1980' FSL 1980' FEL					7" @ 3169' w/200 sxs cmt, TOC 1500'.
Wtr Injection	Sec. 4-17S-31E					2" @ 3398'
			02/85			Formation: 3276-81',
						Repair well: RBP set @ 3115' w/2 sxs sd. Found split in csg. Set pkr bel
						hole. C.O 7" bel hole.
						Perfd 2 JSPF @ 695', set pkr @ 582'. Circ cmt thru csg ann. POOH w/pkr,
						CO to 3650'. SN @ 3170'.
			03/95	W/W	4070'	Deepen to 4070', Ran 4-1/2" 11.6# csg, set @ 4070, cmt'd w/365 sxs,
						TOC surf. Perfd 53 holes f/3170-3580'.
					PBTD 4016	
H.E. West "A" #24	"A"	8/27/94	12/16/94	Oil	4380'	Pkr @ 3145'.
Current Status:	2625' FNL 15' FEL				PBTD 4345'	8-5/8" FC @ 528' cmt w/365 sxs cmt. TOC Surf.
Oil Well	Sec. 4-17S-31E					5-1/2" FC @ 4345.75' w/955 sxs 35/65 poz & 510 sxs cl "C", TOC Surf
						Formations: Slaughter 4108-4222'; San Andres: 3650-3925'; Grayburg
						3315-3527'

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "B" #11	"K"	12/26/53	2/6/54	Oil	3574'	8-5/8" @ 683' w/100 sxs, TOC est @ 523'. 7" @ 3146 w/200 sxs, TOC est @ 2333'. 2" @ 3103'. Formation: 3146-3574'
Current Status:	1980' FSL 1980' FWL					
Wtr Injection	Sec. 7-17S-31E					
			9/29/54			3290-3311'. 3540-3560'. Ran 10-3/4" csg to 240', Ran 8-5/8" to 817', Pulled 240' of 10-3/4" & cmt'd
						8-5/8" w/100 sxs.
			08/62	W/W		Convert to wtr injection well
			09/64	DW/W		2-3/8" tbg @ 3385' w/pkr. Ran 503' of 4-1/2" csg f/liner. Perf 3334-36'.
			10/16/80	SW/W		squeeze cmt w/335 sxs. Comp as a dual water injection well
						Set pkr @ 3147', return to single wtr injection well.
H.E. West "A" #20	"P"	11/14/94	1/25/95	Oil	4325'	8-5/8" @ 606' w/365 sxs cmt, TOC surf
Current Status:	2525' FSL 1305' FEL					5-1/2" @ 4324' w/675 sxs 35/65 poz + 425 sxs "C", TOC surf
Oil Well	Sec. 4-17S-31E					2-7/8" @ 4257' (OET) Formations: Slaughter f/4017-4246'; San Andres 3617-3878'; Grayburg f/3276-3503'.
H.E. West "A" #33	"O"	2/7/95	4/25/95	Oil	4285'	8-5/8" @ 601' w/165 sxs cmt, TOC surf.
Current Status:	1299' FSL 2675' FWL				PBTD 4237'	5-1/2" 15.5# @ 4284' w/850 sxs "H" poz & 350 RFC. TOC surf.
Oil Well	Sec. 4-17S-31E					2-7/8" @ 4236' (OET) Formation: Slaughter f/3974-4211' (23 holes); Jackson f/3979-3901' (18); Vacuum & Lovington f/3521-3628' (9); Grayburg f/3275-3462'.

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "A" #19	"P"	7/19/94	10/22/94	Oil	4360'	8-5/8" 24# set @ 650' w/365 sxs cmt, TOC surf.
Current Status:	1230' FSL				PBTD 4312'	5-1/2" 15.5# set @ 4360' w/1280 sxs cmt, TOC Surf
Oil Well	1305' FEL					2-7/8" @ 4259' (OE)
	Sec. 4-17S-31E					Slaughter 4058-4259'; Jackson 3784-3851'; Premier 3445-3502';
						Loco Hills 3309-3317'; Metex 3350-3418';
H.E. West "A" #14	"O"	11/2/88	12/2/88	Oil	3935'	8-5/8" 24# set @ 542' w/350 sxs cmt, TOC Surf
Current Status:	720' FSL				PBTD 3892'	5-1/2" 17# set @ 3935' w/1500 sxs cmt, TOC Surf
Wtr Injection	1980' FEL					2-7/8" @ 3774'; 3709-3863'; 3492-3678'; 3214-3467'; BP set @ 3828'
	Sec. 4-17S-31E					
			02/95	WIW		Dril out CIBP @ 3828' & CO to 3926', Perf 3886-3906',
H.E. West "B" #73	"E"	10/27/94	2/5/95	Oil	4248'	Set pkr @ 3065', Convert to Injection Well
Current Status:	2610' FNL				PBTD 3970'	8-5/8" 24# set @ 599' w/165 sxs cmt to surf.
	1270' FWL					5-1/2" 15.5# set @ 4247' w/950 sxs, TOC surf.
	Sec. 4-17S-31E					2-7/8" OET @ 3946'; Slaughter: f/3985-4160'; Jackson: f/3683-3889'
<del>H.E. West "A" #10</del>	<del>"D"</del>	<del>3/9/56</del>	<del>5/6/56</del>	<del>Oil</del>	<del>3670'</del>	<del>Vacuum &amp; Lovington f/3461-3543'; Grayburg f/3164-3411';</del>
Current Status:	660' FNL					8-5/8" set @ 788' w/100 sxs to surf.
Plugged & Aband.	660' FWL					7" set @ 2855' w/200 sxs, TOC est @ 2042'; 5-1/2" set @ 3261
	Sec. 3-17S-31E					w/200 sxs, TOC est @ 2500'; 2" @ 3332'
			1/13/65			Sand/oil fracd Grayburg opn hole 3385-3670' w/10,000 gal oil + 10,000# sd
			07/70			Temporarily Abandoned (lbg stuck)
			2/3/81			Well plugged and abandoned effective 2/3/81.

2B & 2C  
3-17S-31E



100-44388-100

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "A" #16	"F"	12/4/88	1/12/89	Oil	4076'	8-5/8" 24# set @ 644' w/400 sxs cmt, TOC Surf
Current Status:	1980' FNL				PBTD 4023'	5-1/2" 17# set @ 4076' w/1250 sxs cmt, TOC surf
Oil Well	Sec. 3-17S-31E					2-3/8" @ 3959'
						3791-3953' (50) acid w/1000 gals 15% NEFE, 6000 gals 20% CRA
						3588-3753' (55) acid w/4000 gals 15%, Frac'd w/50,000 gals 30# Xlink,
						140,000# 20/40 sd. 3415-3549' (51) acid w/4000 gals, Frac'd w/50,000
						gal Xlink & 110,000# 20/40 sd.
H.E. West "A" #25	"F"	10/1/94	11/12/94	Oil	4380'	8-5/8" 24# set @ 623' w/365 sxs cmt, TOC surf
Current Status:	2625' FNL				PBTD 4333'	5-1/2" 15.5# set @ 4379' w/700 sxs poz "C" & 425 sxs cl "C", TOC surf
Oil Well	Sec. 3-17S-31E					2-7/8" OET @ 4105', Jackson perfs: 3657-4042', Premier perfs: 3505-52';
						Metex perfs: 3420-44' (20); LocoHills 3392'; Graybury 3316-46';
H.E. West "A" #21	"E"	8/6/94	11/15/94	Oil	4420'	8-5/8" 24# set @ 667' w/365 sxs cmt, TOC Surf
Current Status:	1335' FNL				PBTD 4070'	5-1/2" 15.5# set @ 4380' w/1050 sxs cmt, Est TOC 380', 2-7/8" @ 3944';
Oil Well	Sec. 3-17S-31E					Slaughter: 4102-4275'; Jackson perfs: 3699-4038'; Lovington perfs 3669-75';
						Vacuum 3600'.
H.E. West "A" #22	"I"	2/3/93	3/31/93	Oil	5022'	13-3/8" 48# set @ 604' w/350 sxs cmt, TOC est @ 243'
Current Status:	1345' FSL				PBTD 3560'	8-5/8" 24# set @ 1815' w/750 sxs cmt, TOC est @ 615';
Oil Well	Sec. 4-17S-31E					5-1/2" 17# & 15.5# set @ 5022' w/1175 sxs cmt, 2-7/8" @ 3543' TOC Est
						546'. Slaughter 4990-92' (8), 4972-57' (12), 4918-4878' (24)
						4104-4735' (26), 3941-4072'
						M. Jackson 3738-3852' (18) Lovington 3646-50' (6),
						Premier 3432-357' (27), Metex 3367-3407' (14), Loco Hill
						3352-33' (3), Grayburg 3291-78' (6), 3278-3522' (43)

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "A" #17	"P"	12/12/89	1/6/90	Oil	3954' PBTD 3906'	8-5/8" 24# @ 575' w/350 sxs cmt. TOC surf 5-1/2" 17# @ 3948' w/600 sxs HLC & 575 sxs cl "C", TOC surf 2-3/8" @ 3723'. f/3776-3839' (25) acid w/8000 gals. f/3633-3726' (10) w/1250 gals, f/3273-3508' (40) w/4000 gals. Frac'd w/80,000 gals & 160,000# sd. Drid out 5-1/2" shoe f/3890-3954', Perf'd f/3924-45', acid w/2500 gals. Set pkr & tbq 3107'.
Current Status:	660' FSL 660' FEL		1/29/95	W/IW		
Wtr Injection	Sec. 4-17S-31E					
H.E. West "B" #33	"L"	8/2/88	8/20/88	Oil	4057' PBTD 4011'	8-5/8" 24# @ 625' w/300 sxs cmt. TOC surf 5-1/2" 15.5# @ 4057' w/1000 sxs HLC & 300 sxs cl "C", TOC surf 2-3/8" @ 3774', Perfs 3777-3994 C.O. to 4011', Pkr & tbq set @ 3151', Convert to W/IW effective 1/27/95
Current Status:	660' FVL		1/27/95	W/IW		
Wtr Injection	Sec. 3-17S-31E					
H.E. West "A" #1	"C"	7/17/46	9/17/46	Dry hole	3688'	10-3/4" 32.75# set @ 806' w/100 sxs cmt (pulled 202) 8-5/8" 32# set @ 2887' (pulled 2115) 7" 24# set @ 3366' w/50 sxs (pulled 2130')
Current Status:	660' FNL 1980' FVL					
Dry Hole	Sec. 3-17S-31E					
H.E. West "A" #13	"C"	10/11/64	10/31/64	W/IW	3700' PBTD 3695'	8-5/8" 24# @ 555' w/200 sxs, TOC est @ 485'. 4-1/2" 9.5# @ 3700' w/320 sxs, TOC est @ 2500'. 2-3/8" @ 3385', pkr @ 3385'. Sq. Lake perfs: 3419-28' Premier perfs: 3474-3545' Lovington perfs: 3671-86' Drid out ol 3950'. Perf Grayburg San Andrews f/3574-3689' w/13 shots. Perf'd 3369-3550' w/28 shots. Set tbq & pkr @ 3209'.
Current Status:	900' FNL 2310' FVL					
Wtr Injection	Sec. 3-17S-31E					
			9/29/89			

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "A" #18	"B"	7/29/94	11/5/94	Oil	4362'	8-5/8" 24# @ 547' w/365 sxs cml, TOC Surf
Current Status:	660' FNL				PBTD 4340	5-1/2" 15.5# set @ 4362' w/1230 sxs cml, TOC surf
Oil Well	1980' FEL					Metex perfs: 3457-3521'; Premier perfs: 3557-71', Jackson: 3716-4071',
H.E. West "B" #55	Sec. 3-17S-31E					Slaughter perfs: 4107-4267'.
	"K"	2/21/93	5/6/93	Oil	4300'	13-3/8" 48# set @ 575' w/300 sxs cml, TOC surf
Current Status:	1972' FSL				PBTD 4265'	8-5/8" 24# @ 1768' w/750 sxs cml, TOC est @ 568'.
Wtr Injection	2078' FWL					5-1/2" 15.5# @ 4266' w/1070 sxs cml, TOC est @ 190'.
	Sec. 3-17S-31E					4206-02' (8), 4196-76' (40), 4172-58' (28), 4150-42' (16), 4202-58' (28)
						4150-42' (16), s
			7/28/93			Perf Jackson 4088-3830' (178),
			8/25/93			Set plug @ 3600', Perf Premier f/3479-3552' (15); Metex f/3418-3444' (6);
			10/93	W/W		Loco Hills f/3389-3395' (4); Grayburg 3314-45' (3);
						Convert to wtr injection well. (thru Grayburg-Jackson perfs 3314-4206'
						total 298 holes)
H.E. West "A" 11	"G"	9/29/59	11/17/59	Oil	3500'	8-5/8" @ 683' w/100 sxs, TOC est @ 523'. 7" @ 3146' w/200 sxs, TOC
Current Status:	1980' FNL					est @ 2300'. 2" @ 3103', Zone: 3269-3488'; Perf'd Grayburg f/3445-52'
Oil Well	Sec. 3-17S-31E		4/8/71	TAd		Temporarily Abandoned
			11/81		3650'	Deepen to 3650'. 8-5/8" @ 817' w/100 sxs, 5-1/2" @ 3500'.
						Perf 2650' (2) squeezed w/1500 sxs cl "H", 1000 sxs flo-chex,
			7/25/89		3986'	3445-52' w/500 sxs cl "H".
			8/8/89	Oil		Deepen to 3986', Ran 4" liner & set w/75 sxs cml. Top of liner @ 3246'
						Perf'd 3812-3973' (36), Perf'd 3601-3770' (36); Perf'd 3439-3570'
						Ran 2-3/8" tbg w/SN set @ 3898'.

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "A" #12	"H"	3/18/61	4/26/61	Oil	3760'	8-5/8" @ 840' w/100 sxs cmt, TOC est @ 680'. 4-1/2" @ 3760' w/200 sxs cmt, TOC est @ 3000'. 2-3/8" @ 3500'/3544-50' & 3572-80'. Perf 3709-15'. Plugged and abandoned.
Current Status:	660' FEL		5/4/81	P&A		
Plugged & Aband	Sec. 3-17S-31E					
H.E. West "B" #26	"I"	1/12/61	2/23/61	Oil	3757'	8-5/8" @ 845' w/100 sxs, TOC est @ 685'. 4-1/2" 9.5# @ 3757' w/100 sxs
Current Status:	1980' FSL		3/21/66	W/W	PBTD 3740'	TOC est @ 3457'. 2-3/8" @ 3735' perms: 3714-34'. CIBP @ 3690', Perf Grayburg f/3422-3579' (70).
Wtr Injection	Sec. 3-17S-31E		9/25/89	W/W	3941'	Drid out & deepen to 3941'. Perf d f/3401-3744' (41) Set pkr & tbg @ 3307'.
H.E. West "B" #37	"J"	11/12/88	12/23/88	Oil	4082'	8-5/8" 24# @ 627' w/400 sxs, TOC surf. 5-1/2" 17# @ 4083' w/1350 sxs;
Current Status:	1980' FSL				PBTD 4038'	TOC surf. 2-3/8" @ 3843'. Perfs: 3911-4009' (30) Perfs: 3653-3881', Perfs: 3410-3614'
Oil Well	Sec. 3-17S-31E		9/2/59	Oil	3456'	8-5/8" 24# @ 797' w/100 sxs, TOC est @ 467'. 5" 11.5# @ 3456' w/100 sxs TOC est @ 3000'. 2-3/8" 4.7# @ 3391'. Perf d 5" f/3413-35' (Square Lake).
Current Status:	1980' FSL		3/27/64	DW/W	3557'	Deepen to 3557'. Premier open hole 3456-3557'. Perf Metex 3374-84' acid w/250 gals, Ran 2-3/8"
Plugged & Aband	Sec. 3-17S-31E					tbg & pkr 3447', SN @ 3443'. CIBP @ 2978'. Temporarily abandoned Plugged and abandoned.
H.E. West "B" #18	"O"	10/24/58	12/5/58	Oil	3725'	10-3/4" csg @ 797' w/100 sxs, TOC est @ 446'. 5-1/2" csg @ 3725' w/100
Current Status:	660' FSL		5/8/68		PBTD 3716'	sxs, TOC est @ 3344'. 2-3/8" @ 3343'. Perfs: 3393-3464'. Perfs Premier f/3523-3560' (34).
Wtr Injection	Sec. 3-17S-31E		7/18/89	W/W	3996'	Deepen to 3996'. Acid OH f/3716-3994' w/8000 gals. Perf 3386-3994'
						Set pkr & tbg @ 3310'.

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "B" #56	"N"	9/23/94	2/14/95	Oil	4385'	8-5/8" 24# @ 647' w/365 sxs, TOC surf. 5-1/2" 15.5# @ 4384' w/1300 sxs,
Current Status:	1205' FSL 2530' FWL				PBTD 4135'	TOC surf. 2-7/8" @ 3914' (OET). Slaughter perfs: 4152-92' (12), perfs 3901-4057', Lovington & M/Jackson 3685-3859', Grayburg 3317-3559'
Oil Well	Sec. 3-17S-31E					
H.E. West "B" #49	"M"	4/5/93	8/29/93	Oil	4350'	8-5/8" 24# @ 618' w/300 sxs, TOC surf. 5-1/2" 17# @ 4350' w/1300 sxs
Current Status:	1305' FSL 1305' FWL				PBTD 4276'	TOC surf. 2-7/8" @ 3962'. Perfs: f/3314-3532'.
Oil Well	Sec. 3-17S-31E					
H.E. West "B" #1	"B"		9/29/89	Oil	5515'	8-5/8" @ 810' w/400 sxs cmt, TOC surf. 4-1/2" @ 5515' w/850 sxs cmt.
Current Status:	660' FNL 1980' FEL				PBTD 3950'	TOC est @ 3000'. 2-3/8 @ 3881'. Perfs: 3800-3935', 3380-3754'
Oil Well	Sec. 10-17S-31E					
H.E. West "B" #41	"M"	1/2/89	2/15/89	Oil	4008'	8-5/8" 24# @ 602' w/400 sxs cmt, TOC surf. 5-1/2" 17# @ 4008' w/1250
Current Status:	660' FSL 2020' FWL				PBTD 3935'	sxs cmt, TOC surf. 2-3/8" @ 3894' (OET). Perfs: 3875-3943' 3831-47', 3593-3793', 3301-3543'
Oil Well	Sec. 10-17S-31E					
H.E. West "B" #57	"N"	9/23/94	1/3/95	Oil	4400'	8-5/8" 24# @ 621' w/365 sxs cmt, TOC Surf. 5-1/2" 15.5# @ 4399'
Current Status:	15' FSL 2625' FWL				3670' CIBP	w/1225 sxs. TOC surf. 2-7/8" @ 3254'. Perf'd 3683-3969'; 3306-3552', CIBP set 3670'. Perf'd 3683-3969', 3306-3552' sq w/150 sxs cl "C" cmt. 3543-3552', 3306-3552'
Oil Well	Sec. 3-17S-31E					
H.E. West "B" #51	"K"	3/16/93	9/1/93	Oil	4372'	8-5/8" 24# @ 575' w/250 sxs cmt, TOC surf. 5-1/2" 17# @ 4372' w/1300
Current Status:	1337' FNL 1363' FWL				PBTD 4321'	sxs cmt. TOC surf. 2-7/8" @ 4022'. Perf'd 3893-98', 3843-60', 3820-31', 3547-3467', 3442-3396', 3366-56', 3318-08'.
Oil Well	Sec. 10-17S-31E					

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "B" #19	"C"	12/21/58	1/29/59	Oil	3501'	10-1/4" 32.75# @ 785' w/100 sxs TOC est @ 435'. 5-1/2" 15.5# @ 3501' w/100 sxs cmt, TOC est @ 3000'. 2-3/8" 4.7# @ 3344'.
Current Status:	660' FNL 1980' FWL					
Wtr Injection	Sec. 10-17S-31E		03/64	DWIW	3585'	Deepen well to 3585'. Perf'd Melex f/3378-89', Perf Square Lake f/3438-41'. Set 2-3/8" tbg & pkr @ 3466'. Converted to dual WIW.
			1/23/81			Set BP @ 3466'. Set pkr @ 3319'. Convert to single WIW thru 3378-3441'.
			8/16/89		3955'	Deepen well to 3955'. Ran 4" liner & set w/65 sxs. TOL 3323'. Perf f/3821-
						3941' (22 holes). Perf f/3610-
						3792' (28 holes).
						Perf 3373-3569' Ran 2-3/8" &
						pkr, set @ 3279'. (Ready for WIW).
			8/30/89			Commenced WI.
			11/93			Set pkr & tbg @ 3280'.
H.E. West "B" #50		3/4/93	7/21/93	Oil	4356'	13-3/8" 48# set @ 576' w/250 sxs cmt, TOC est @ 321'. 5-1/2" 17# @
Current Status:	50' FSL 1400' FWL				PBTD 4285'	4356' w/1900 sxs cmt., TOC est @ surf. 2-7/8" @ 3863'. Perfs 3980-4052',
Oil Well	Sec. 3-17S-31E					3936-47', 3907-23', 3845-58', 3825-33', 3558-3474', 3434-06', 3379-77'
						3300'
H.E. West "B" #24	"A"	11/28/59	1/9/60	Oil	3604'	8-5/8" 24# @ 815' w/100 sxs. TOC est @ 655'. 5-1/2" 14 & 15.5# @
Current Status:	660' FNL 660' FEL				PBTD 3597'	3604' w/100 sxs. TOC est @ 3000'. 2-3/8" 4.7# @ 3514'. Perf'd 3396-3560'.
Wtr Injection	Sec. 10-17S-31E		3/11/66	WIW		Perf'd Grayburg f/3430-38', 3448-56', 3462-68' w/44 3/8" holes. Ran 2-3/8" tbg & pkr, set @ 3509. Conv to Wtr injection well.
			8/31/89	WIW	3916'	Deepen to 3916'. Ran 4" liner & set w/TOL @ 3277'. Cmt'd w/100 sxs,
						Set ret @ 3225 & sq w/50 sxs cl "C". D/d out ret & cmt in 4" lnr to 3907'.
			9/28/89	WIW		Perf'd 3750-877' Perf'd f/3602-3703' Perf'd f/3375-76' Ran 100 jts 2-7/8"
						tbg w/SN set @ 3236'. Hung well on pump.
			1/3/91	WIW		Ran 4" pkr & tbg, set pkr @ 3378'. Tied into injection line.

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "B" #25	"P"	11/18/60	1/24/61	Oil	3675'	8-5/8" 22.36# @ 858' w/100 sxs cmt, TOC est @ 698'. 4-1/2" 9.5# @ 3675' w/125 sxs cmt, TOC est @ 3000'. 2-3/8" 4.7# @ 3491'. Perf'd 3541-47' (24).
Current Status:	660' FSL					Re-perfd 3541-47'
Oil Well	Sec. 3-17S-31E					
H.E. West "B" #66	"B"	10/18/94	4/2/94	Oil	4450'	8-5/8" 24# @ 694' w/365 sxs cmt, TOC surf. 5-1/2" 15.5# @ 4449' w/1098 sxs cmt, TOC surf. 2-7/8" @ 3953'. Perf Lovington & M. Jackson f/3712-3917'
Current Status:	1230' FNL				PBRD 4401'	Premier 3539-74' (9); Grayburg 3321-3499' (20), Perf 3713-3749'.
Oil Well	1435' FEL					
Sec. 10-17S-31E						
H.E. West "B" #38	"F"	10/25/88	12/16/88	Oil	3960'	8-5/8" 24# @ 596' w/400 sxs cmt TOC surf. 5-1/2" 17# @ 3960' w/1300 sxs cmt, TOC surf. 2-3/8" @ 3836'. Perf 3757-3910'. 3587-3727'. 3364-3562'.
Current Status:	2085' FNL		2/14/95	W/IW	PBTD 3937'	Perf 3294-41'. Acid w/4000 gals, Ran tbq & pkr, set @ 3146'. Convert to WI
Wtr Injection	1980' FWL					
Sec. 10-17S-31E						
H.E. West "B" #44	"N"	2/9/93	8/1/93	Oil	4400'	8-5/8" 48# @ 566' w/400 sxs cmt, TOC surf. 5-1/2" 15.5# @ 4400' w/3625 sxs cmt, TOC Surf. 2-7/8" @ 3323'. Perf 3938-56', 3971-4008, 3294-3545', 3816-44'.
Current Status:	720' FSL				PBTD 3925'	Perf 3288-99', 3312-26', Loco 3366-75', Metex 3397-3411' & 3419-27'.
Wtr Injection	1980' FWL		10/29/95	Oil		Premier 3498-3542'.
						Drid out CIBP @ 3925'. Perf 3435-3968' Ran tbq &
			1/25/95	W/IW		pkr, set @ 3182, Conv to W/IW.
H.E. West "B" #58	"C"	10/2/94	12/24/94	Oil	4480'	8-5/8" 24# @ 648' w/390 sxs cmt, TOC surf. 5-1/2" 15.5# @ 4479' w/1075 sxs cmt, TOC surf. 2-7/8" @ 3377'. Perf Middle Jackson 3814-3958'.
Current Status:	1305' FNL				PBTD 3645'	Lovington 3665-3748', Grayburg 3319-3583'
Oil Well	2625' FWL					
Sec. 10-17S-31E						



Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "B" #67	"G"	12/31/94	3/12/95	Oil	4395'	8-5/8" 24# @ 646' w/425 sxs cmt, TOC surf, 5-1/2" 15.5# @ 4394' w/ 800 + 435 sxs cmt, TOC Surf, circ to surf, 2-7/8" tbg @ 4227'. Perfs: Slaughter 4126-4219'. Lower Jackson 4033-90', U & M Jackson 3797-3999'
Current Status:	2625' FNL 1335' FEL				PBTD 4366'	Vacuum, Lovington & U. Jackson 3628-3753', Grayburg & Vacuum 3321-3596'.
Oil Well	Sec. 10-17S-31E					
H.E. West "B" #59	"K"	10/10/94	11/7/94	Oil	4370'	8-5/8" 24# @ 447' w/365 sxs circ to surf, 5-1/2" 15.5# @ 4370 w/1075 sxs circ to surf, 2-7/8" tbg @ 4080' (OET). Perf 3275-3939'.
Current Status:	2625' FSL 2625' FWL				PBTD 4322'	
Oil Well	Sec. 10-17S-31E					
H.E. West "B" #42	"H"	1/11/89	2/26/89	Oil	4004'	8-5/8" 24# @ 641' w/400 sxs, TOC surf, 5-1/2" 17# @ 3985' w/1250 sxs, TOC surf, 2-3/8" tbg @ 3723'. Perf 3808-3923' (Perf 3614-3791' (85) acid w/6000 gals.
Current Status:	2105' FNL 660' FEL				PBTD 3800'	3546-99' Perf 3398-3524' (64).
Oil Well	Sec. 10-17S-31E					
H.E. West "B" #4	"D"	6/17/46	10/2/46	Oil	3153'	10-3/4" @ 46', 8-5/8" @ 645', 7" @ 3097', 2-1/2" @ 3153'. Oil Zone: 3235-3527'. Perfs: 3270-3422'. No cement report available.
Current Status:	660' FNL 660' FWL		5/16/81	P&A		150 sxs cl "C" on cmt ret @ 3007'. Perf 2 JSPF @ 1818-20', set pkr @ 1761'. Cmt ret @ 1759' w/ 250 sxs, Pmpd 100 sl "C" between 8-5/8" x 7" annulus. Spot 20 sxs "C" in 7" csg f/682-582 (100' plug). Spot 60' cl "C" plug @ surf. CO WH. Well plugged and abandoned.
Plugged & Aband	Sec. 4-17S-31E					
H.E. West "B" #15	"G"	5/8/58	7/8/58	Oil	3728'	10-3/4" @ 780' w/200 sxs, TOC Surf, 5-1/2" @ 3728' w/100 sxs, TOC est 3000'. 2" @ 3453'. Perfs: 3515-40' ; 3372-78'.
Current Status:	1980' FNL 1980' FEL				PBTD 3726'	
Wtr Injection	Sec. 10-17S-31E		8/26/89	ready for WI	3952'	Deepen to 3952', set CIBP @ 3320', Perf 3230' w/4 shots, sq 150 sxs. Drid out cmt & CIBP. Ran 834' of 4" liner. TOL @ 3119'. Cmt w/50 sxs cl "C". Drid out cmt. TOC @ 3220'. Perf 3799-3916 (18).
						Perf 3392-3752'
						Perf 3368-78' Ran
						pkr & tbg, set @ 3092'. Ready for injection.
			3/6/93	W/W		Started Water Injection.

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record	
H.E. West "B" #9	"M"	4/29/52	6/11/52	Oil	3595'	8-5/8" 24# @ 678', 7" @ 3089', 2-1/2" @ 3595'. No cmt report available	
Current Status:	660' FSL					Oil pay: 3198-3207', 3350-3359', 3410-23', acid w/500 gals f/3405-3426', acid w/1000 g f/3405-3429'.	
Wtr Injection	Sec 4-17S-31E		12/27/63	WIW	3749'	Deepen f/3544-3749', Perf G-SA 4 spf, 3158-3729' (224), Set 5" liner	
H.E. West "B" #48	"J"	7/8/94	10/5/94	Oil	4370'	f/3000-3780' w/125 sxs cmt, 2-3/8" tbg w/pkr to 2979'.	
Current Status:	2130' FSL				PBTD 4325	8-5/8" 24# @ 447' w/365 sxs, TOC surf., 5-1/2" 15.5# @ 4370' w/1007 sxs, TOC Surf. 2-7/8" @ 4266' (OET). Perf Slaughter 4200-45' (20).	
Oil Well	Sec. 10-17S-31E					Jackson 3575-3878', Premier 3494-3528', Loco Hills/Metex 3272-3450'	
H.E. West "B" #7	"L"	2/7/52	4/23/52	Oil	3541'	8-5/8" @ 649' w/100 sxs cmt, TOC est @ 490', 7" @ 3105' w/200 sxs	3103
Current Status:	1980' FSL		12/7/63	Oil	3765'	cmt, TOC est @ 2200', 2-1/2" @ 3379'. Deepen to 3765'. Ran tbg to 3401'.	3103
<del>Oil Well</del>	Sec. 4-17S-31E						
H.E. West "B" #2	"P"	11/1/37	2/4/38	Oil	3757'	9" @ 695' w/50 sxs, TOC est @ 560', 7" @ 3570' w/100 sxs, TOC est @ 3110', 2" @ 3710'. Zones: 3590-3605', 3714-21'.	3082
Current Status:	900' FEL		2/6/40	Abandoned		Filled hole w/hvy mud to top & cmt btm of hole w/50 sxs. CO 7" csg @ 980'	3765
Plugged & Aband	Sec. 9-17S-31E					Set 15 sxs plug in 7" csg @ 980'. CO 9" csg @ 81'. Set 15 sx plug in top of 9". Set 10 sx cmt plug in btm of cellar.	
			9/27/89	P&A		Circ 200 sxs cl "C" to surface. Well plugged and abandoned.	
H.E. West "B" #27	"N"	5/3/61	8/22/61	P&A	12,860'	13-3/8" @ 650' w/740 sxs cmt, TOC surf. 9-5/8" @ 3800' w/1450 sxs.	
Current Status:	660' FNL				PBTD 3700'	TOC est @ 745'. CIBP @ 3700' Plugs: 100 sxs f/12,607-12,860'.	
Oil Well	Sec. 4-17S-31E		2/7/64	Oil	PBTD 3885'	38 sxs f/11050-11150', 38 sxs f/9600-9700' 38 sxs v/7000-7100', 38 sxs f/6300-6400', 60 sxs f/3700-3850'. Perfs: 3180-3546' w/18 holes.	
			11/29/89	Oil		Began pumping.	
H.E. West "B" #31	"P"	6/16/88	7/10/88	Oil	4218'	8-5/8" 24# @ 630' w/450 sxs, TOC surf. 5-1/2" 15.5# @ 4218' w/1300 sxs,	
Current Status:	660' FWL				PBTD 3747'	TOC surf. 2-3/8" @ 3677' (EOT). Perfs: 3301-4087'.	
Oil Well	Sec. 10-17S-31E					200 sxs f/4041-4138'.	



Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "B" #13	"E"	8/16/57	10/7/57	Oil	3630'	10-3/4" 28.6# @ 739' w/100 sxs cml. TOC est @ 440'. 7" 20# @ 3525' w/100 sxs cml. TOC est @ 2460'. 2-3/8" 4.7# @ 3285'. Perfs: 3318-26', 3356-75'.
Current Status:	1980' FNL					
WI WIW	660' FWL		8/29/89	WIW	3900'	Deepen to 3900'. Ran 5" liner 3094-3897' set w/150 sxs cml. Ran 2-3/8" tbg w/pkr @ 3206'. Perf'd 3737-3864' CIBP @ 3720'
	Sec. 10-17S-31E					Perf'd 3568-3965'. Perf'd 3312-3519'
			2/17/93	WIW		Cind out of 3720'. Drid out CIBP @ 3720'. Cind out to PBTD of 3890'.
						set tbg in pkr @ 3218'.
			5/30/95	SIWIW	4050'	Deepen to 4050'. Perf 3737-3864' (25), 3568-3696' (28), 3312-3519' (32)
						3897-4050' OH.SI WIW.
H.E. West "B" #14	"K"	11/9/57	1/1/58	Oil	3632'	8-5/8" 24# @ 762' w/100 sxs cml. TOC est @ 600'. 7" 20# @ 3563' w/100 sxs cml. TOC est @ 3157'. 2-3/8" @ 3340'. Perfs: 3380-96'.
Current Status:	1980' FSL		6/2/65	DWIW	PBTD 3450'	Perf'd Metex 3343-51', Premier 3496-3537', w/124 holes.
Wtr Injection	Sec. 10-17S-31E		2/27/81	SWIW		Tbg & pkr set @ 3368'.
			9/28/89		3950'	Set pkr @ 3276'. Inst wellhead for single wtr injection in Grayburg-Jackson
						3343-3537' and OH 3563-32'.
						Deepen to 3950'. Ran 22 jts 5" liner & set w/top @ 3255'. Cmt'd w/120 sxs
						Set ret @ 3205' & sq w/50 sxs. Perfs 3773-3900'
						Perf'd 3582-3749'
						Perf'd 3317-3547' w/34 shots.
			3/25/93	WIW		Ran tbg & pkr, set @ 3208'.
			10/13/58	Oil	3670'	set pkr @ 3217'.
H.E. West "B" #17	"I"	9/2/58				10-3/4" 32.75# @ 747' w/100 sxs cml. TOC est @ 400'. 5-1/2" 17-15.5# @ 3670' w/100 sxs. TOC est @ 3200'. 2-3/8" 4.7# @ 3302'. Perf'd 3338-56'.
Current Status:	1980' FSL					
Wtr Injection	660' FEL		06/65	DWIW		Perf'd (100 holes) Metex 3296-3302', Premier 3466-3500', Lovington
	Sec. 9-17S-31E		4/16/81	SWIW		3613-24'. Recomplete as a dual wtr inj well.
				WIW	3930'	Set pkr @ 3242'. SWIW in Metex, Square Lake, Premier & Lovington.
						Drid to 3930'. Perf'd 3536-3649'. Perf'd 3271-3501' (80)
						Ran pkr & tbg, set @ 3240'.

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "B" #29	"C"	12/11/63	1/22/64	Oil	3810'	8-5/8" @ 559' w/240 sxs cmt. TOC est @ 175'. 5-1/2" @ 3810' w/300 sxs cmt. TOC est @ 2600'. 2-7/8" @ 3723'. Perfs: 3232-3804'. Set CIBP @ 3600' w/1 sx cmt. Ran 2" tbg & pkr, Set @ 3168'. Conv to wtr injection well. (thru perfs 3232-3462') Cind out to 3810'. Perfs 3224-3800' w/118 holes. Ran tbg & pump. SN @ 3756'. Ran tbg & pkr, set @ 3151'. Commenced injecting 8/15/89
Current Status:	1980' FWL			W/W		
Wtr Injection	Sec. 9-17S-31E		8/15/89	W/W	PBTD 3600'	
H.E. West "B" #21	"M"	3/20/59	5/20/59	Oil	3802'	10-3/4" 32.75# set @ 734' w/100 sxs cmt. TOC est @ 380'. 5-1/2" 4.7# @ 3802' w/125 sxs. TOC est @ 3326'. 2-3/8" 4.7# set @ 3319'. Perfd 3362-70' Added perfs 3416-3775' (28 holes). Cind & drld out to 3801'. Deepen to 3917'. Perfd 3576-3773'. Perfd 3294-3511' w/38 holes. Set pkr & tbg @ 3207'
Current Status:	660' FSL					
Wtr Injection	Sec. 10-17S-31E		06/70 6/28/89	W/W	3917'	
H.E. West "B" #34	"I"	9/26/88	10/88	Oil	3885' PBTD 3837'	8-5/8" 24# @ 629' w/450 sxs. TOC surf. 5-1/2" 17# @ 3885' w/1650 sxs. TOC surf. 2-3/8" @ 3761'. Perfs 3616-3802'. Perfd 3341-3583' (68).
Current Status:	1980' FSL					
Oil Well	660' FEL					
	Sec. 10-17S-31E					
H.E. West "B" #32	"L"	8/13/88	9/27/88	Oil	3954'	8-5/8" 24# @ 582' w/450 sxs cmt. TOC surf. 5-1/2" 15.5# @ 3954'. w/1600 sxs. TOC surf. 2-3/8" @ 3755'. Perfs 3529-3754'. Perfs 3451-84'. Perfs 3391-3424'. Perfd 3314-19'
Current Status:	1980' FSL					
Oil Well	660' FWL					
	Sec. 10-17S-31E					
H.E. West "B" #53	"H"	9/20/93	12/7/93	Oil	4310' PBTD 4152'	8-5/8" 24# @ 584' w/300 sxs cmt. TOC surf. 5-1/2" 15# @ 4310' w/1300 sxs. TOC surf. 2-7/8" @ 3562'. Perfd 3228-3438' (192 holes).
Current Status:	1350' FNL					
Oil Well	1250' FEL					
	Sec. 9-17S-31E					

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "B" #28	"A"	11/27/63	12/29/63	WIW	3850'	8-5/8" 24# @ 550' w/240 sxs cmt. TOC surf. 5-1/2" 14# @ 3850' w/300 sxs TOC est @ 2700'. 2-3/8" @ 3220'. Perfs 3289-3339' 3424-3745' 3749-81'; 3842-49'
Current Status:	660' FEL					PB i/3850' to approx 3650' w/frac sd.
Wtr Injection	Sec. 9-17S-31E		2/25/65 12/93	WIW		Perfd 3270-3823' (72 holes). PKR @ 3234'. HU to injection system.
H.E. West "B" #20	"O"	2/9/59	4/3/59	Oil	3635'	10-3/4" 32.75# set @ 797' w/100 sxs cmt. TOC est @ 447'. 5-1/2" 14# @ 3635' w/100 sxs. TOC est @ 3200'. 2-3/8" 4.7# @ 3383' w/100 sxs. Perfs 3603-3611'; Perfs 3542-56'. Perfd 3398-3410'. RBP @ 3460'. Perfd 3359-64'. Deepen to 3971'. Ran 4" liner, set @ 3966'. (TOL @ 3177'). Cml w/50 sx Perfd 3858-3957' 3677-3839' (24) Perfd 3353-3634'
Current Status:	1980' FEL		08/70 04/89		3971'	Ran tbg & pump strd well pmjg. POOH w/rods & tbg. RIH w/pkr & FG tbg. Set @ 3114'. (Ready for inj).
Wtr Injection	Sec. 10-17S-31E					
H.E. West "B" #12	"G"	6/29/56	9/19/56	Oil	3800'	9-5/8" @ 668' w/100 sxs. TOC est @ 457'. 7" @ 3158' w/200 sxs. TOC est @ 2345'. 2" @ 3264'. OH. Deepen I/3800'-3864'. Ran 5" csq, set @ 3864' cml w/750 sxs. Perfd 3676-3930' CIBP @ 3660'. Perfd 3350-3633' Perfd 3260-3330' Ran tbg & pkr, set @ 3210'. Ready for injection.
Current Status:	1980' FNL		06/89		3864'	
Wtr Injection	Sec. 9-17S-31E		8/12/89	WIW		

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "B" #52	"D"	3/21/93	5/17/93	Oil	4335'	8-5/8" 24# @ 626' w/500 sxs. TOC surf. 5-1/2" 17# @ 4335' w/1200 sxs
Current Status:	1250' FNL				PBTD 4284'	TOC surf. 2-7/8" @ 4280'. Slaughter perfs: 4126-04' & 4094-4080'
Oil Well	100' FWL					Perf 4162-98'
	Sec. 9-17S-31E		8/1/93			Perfd Jackson 3940-80' (80). Perf Jackson
						3764-3860' (66) Grayburg perfs 3246-3515' (52)
H.E. West "B" #36	"H"	10/15/88	11/10/88	Oil	3883'	8-5/8" 24# @ 541' w/400 sxs cmt. TOC surf. 5-1/2" 17# @ 3883' w/1300
Current Status:	1980' FNL				PBTD 3861'	sxs. TOC surf. 2-3/8" @ 3781' (OET). Perfs: "A" 3494-3821' (62);
Wtr Injection	660' FEL					"B" 3267-3462'. "C" 3199-3234'.
	Sec. 9-17S-31E		2/14/95	WIW		Drd out shoe jt 3861-3883' & 4-3/4" OH f/3883-4050'. Run OH Neut Log
						Run pkr & tbq. set @ 3111'. Conv to WIW.
H.E. West "B" #30	"K"	1/19/66	2/30/66	Oil	3952'	8-5/8" 24# @ 551' w/300 sxs cmt. TOC surf. 4-1/2" 10.5# @ 3952'
Current Status:	1980' FWL				PBTD 3810'	w/470 sxs cmt. TOC est @ 2500'. 2-3/8" @ 3351'. (OET). Perfs
Wtr Injection	1980' FSL					3394-3400'. 3403-07'. 3466-72' Set CIBP @ 3810'.
	Sec. 9-17S-31E		7/1/89	WIW		Perf 3579-3760' Perf 3247-3560'. gals. Ran tbq & pkr. set
						Pkr @ 3201'. Started Injection 8/15/89.
H.E. West "B" #62	"J"	9/5/94	3/16/95	Oil	4350'	8-5/8" 24# @ 566' w/145 sxs cmt. TOC surf. 5-1/2" 15.5# @ 4349' w/1165
Current Status:	2625' FSL				PBTD 4323'	sxs cmt. TOC surf. 2-7/8" @ 4028' (OET). Perfd Middle Jackson
Oil Well	1335' FEL					f/3759-3909' Perf Vac & Lovington 3539-3623' Perf
	Sec. 9-17S-31E					Lovington f/3612-23' Perf Grayburg 3226-3491'

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "B" #72	"P"	1/3/95	3/16/95	Oil	4160'	8-5/8" 24# @ 520' w/225 sxs, TOC surf. 5-1/2" 15.5# @ 4159' w/2000 sxs, TOC surf. 2-7/8" @4069'. Perf L. Jackson 3911-4008' (19),
Current Status:	660' FSL 735' FEL				PBTD 4112'	Vac & Lovington 3545-3623' (14)Grayburg 3247-3465' (17),
Oil Well	Sec. 9-17S-31E					
H.E. West "B" #46	"J"	12/21/89	1/17/90	Oil	3938'	8-5/8" 24# @ 541' w/325 sxs cmt, TOC surf. 5-1/2" 17# @ 3938' w/950
Current Status:	1880' FSL 1980' FEL				PBTD 3918'	sxs cmt, TOC surf. 2-7/8" @ 3861'. Perf'd 3881-3906' (9), Perf 3670-3739'
Oil Well	Sec. 9-17S-31E					Perf 3267-3473'
H.E. West "B" #64		11/8/94	1/11/95	Oil	4265'	8-5/8" 24# @ 575' w/390 sxs cmt TOC surf. 5-1/2" 15.5# @ 4264'
Current Status:	15' FNL 2625' FEL				PBTD 3950'	w/1625 sxs cmt, TOC surf. 2-7/8" @ 3905' OE. 4000' 4 squeeze holes,
Oil Well	Sec. 9-17S-31E					Perf San Andres 3566-3890' Perf Grayburg 3322-3440'
West "B" #35		10/5/88	11/10/88	Oil	3815'	8-5/8" 24# @ 460' w/400 sxs cmt, TOC surf. 5-1/2" 17# @ 3815'
Current Status:	1980' FSL 860' FWL				PBTD 3802'	w/1300 sxs cmt, TOC surf. 2" @ 3658'. Perf 3732-91' cmt w/127 sxs cl "C"
Oil Well	Sec 9-17S-31E					Perf 3457-3707', Perf 3410-41', Perf 3212-3380'



Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
<del>H.E. West "B" #8</del>	"D"	2/1/52	4/22/52	Oil	3542'	8-5/8" @ 630' w/100 sxs cmt, TOC est @ 470'. 7" @ 3109' w/200 sxs cmt, TOC est @ 2200'. 2-1/2" @ 3505'. deepen f/3423-3542'.
Current Status:	660' FNL					
Plugged & Aband	Sec. 9-17S-31E		6/4/76	Dry	PBTD 2446'	Cut tbg @ 3115' & POOH. RIH w/7" cmt ret on tbg & set @ 3029'. Pmpd 200 sxs thru ret. PU tbg to 2907'. Left 122' cmt on top of pkr. TIH w/tbg OE to 2900'. Spotted 20 bbls mud 2900-2500'. Pld tbg out of hole to 2500'. Spid 25 sxs cmt plug 2500-2350'. Recompletion in Seven Rivers. Perfs 2100-2161' (8). Set pkr. Treated 2100-2261' w/2000 gals. Recomp. Unsuccessful. Set ret 1744' w/125 sxs. Left 60' cmt on top of ret. TOC 1684'. Perfd 4.5" holes in 7" @ 700'. Ran 7" ret, set @ 557'. Circ ann w/175 sxs. TOC @ 507'. Spotted 10 sxs inside 7" csg @ surf. Plugged and Abandoned.
<del>24765</del>			6/7/76	<del>P&amp;A</del>		
H.E. West "B" #47	"B"	12/2/89	1/9/90	Oil	3922'	8-5/8" 24# @ 539' w/350 sxs cmt, TOC surf. 5-1/2" 17# @ 3922' w/1400 sxs cmt, TOC surf. 2-3/8" @ 3743' (OE). Perf 3842-59'. Perf 3734-3819'.
Current Status:	840' FNL				PBTD 3805'	Perfd 3501-3613' (15). 3265-3444' (33).
Wtr Injection	1980' FEL		Feb-95	WIW		Drld out CIBP @ 3805'. Perf 3223-3914' (24).
	Sec. 9-17S-31E					Ran pkr & tbg, set pkr @ 3053'. Convert to wtr injection well.
H.E. West "A" #15	"A"	11/22/88	1/6/89	Oil	4090'	8-5/8" 24# @ 685' w/450 sxs cmt, 5-1/2" 17# @ 4090' w/1300 sxs cmt, 2-3/8" @ 3977'. Perfs 3943-4046'. 3713-3926'. 3479-3684'.
Current Status:	660' FNL				PBTD 4037'	
Oil Well	330' FEL					
	Sec. 3-17S-31E					
H.E. West "B" #79	"F"	2/15/95	4/24/95	Oil	4360'	8-5/8" 24# @ 602' w/165 sxs cmt, TOC surf. 5-1/2" 15.5# @ 4359'.
Current Status:	2630' FNL				PBTD 4310'	w/1125 sxs cmt, TOC surf. 2-7/8" @ 3988' (OE), Perfd Lovington,
Oil Well	2457' FWL					L&M Jackson f/3566-3898'. Perf Premier f/3405-3460'.
	Sec. 9-17S-31E					Perfd Grayburg f/3197-3379'.

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "B" #63	"G"	9/15/94	3/12/95	Oil	4280'	8-5/8" 24# @ 548' w/365 sxs cmt, TOC surf. 5-1/2" 15.5# @ 4279'
Current Status:	1335' FNL				PBTD 4239'	w/1125 sxs cmt, TOC surf. 2-7/8" @ 4225' (OE), Slaughter 4015-4151'
Oil Well	2555' FEL					San Andres 3572-3801' Perf Grayburg 3189-3435'
	Sec. 9-17S-31E					
H.E. West "B" #39	"F"	12/13/88	1/26/89	Oil	3868'	8-5/8" 24# @ 488' w/350 sxs, TOC surf. 5-1/2" 17# @ 3868' w/1150 sxs,
Current Status:	1980' FWL				PBTD 3819'	TOC surf. 2-3/8" @ 3738', Perf'd 3700-3815' Perf 3654-3762',
Oil Well	1980' FNL					Perf 3458-3623', Perf 3253-3420'
	Sec. 9-17S-31E					
H.E. West "B" #10	"E"	2/23/53	4/9/53	Oil	3623'	8-5/8" 24# @ 642' w/100 sxs, TOC est @ 482' 7" 20# @ 3097' w/200 sxs,
Current Status:	1980' FNL					TOC est @ 2200' 2-1/2" @ 3300' Perf 3297-3313',
Wtr Injection	660' FWL		7/14/64	W/W		2-3/8" tbg @ 3040', Pkr @ 3040', Jet perf 112 holes 3161-67', 3209-15',
	Sec. 9-17S-31E					3242-52', 3302-05', 3331-34', 3346-56', 3358-61', 3364-67', 3410-16',
						3429-35',
			8/9/89			Perf'd 31 new holes f/3190-3496', Ran Tbg & pkr, Set @
						2938'. Ready for injection
			8/15/89	W/W		Commenced injection.
H.E. West "B" #40	"D"	12/22/88	2/2/89	Oil	4021'	8-5/8" 24# @ 603' w/350 sxs cmt, TOC surf. 5-1/2" 17# @ 4021' w/1250
Current Status:	560' FNL				PBTD 3956'	sxs cmt, TOC surf. 2-3/8" @ 3868', Perf 3792-3941'
Wtr Injection	660' FWL		2/5/95	W/W	4050'	20% acid, Perf'd 3585-3746' (43), Perf'd 3475-3547', Perf 3345-3425',
	Sec. 10-17S-31E					Deepen to 4050'. Perf 3220-3484'
						Ran 5-1/2" pkr, set @ 3134'. Conv to wtr injection 2/5/95.

[illegible]

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
J. L. Keel "B" #19	1980' FSL 1980' FEL Sec. 5-17S-31E	3/13/54	8/21/54 5/29/69 4/4/86	Oil Oil SI	3700' PBTD 3316'	8-5/8" 22# set @ 622' w/100 sxs cmt, 7" 20# 8RD csg set @ 3006' w/ 200 sxs cmt, 2" 4.7# @ 3695'. Zones: OH 3639-53' and 3672-80'. PD thru tbg to 3316'. Ran 3-1/2" tbg & pkr to 2950'. Pulled Rods & pump. Ld hole w/corr inh oil. SI effective 4/4/86.
J. L. Keel "B" #10	"B" 660' FNL 1980' FEL Sec. 5-17S-31E	8/15/51	9/15/51 5/30/65 10/27/73 6/12/79	Oil Oil Oil Oil	3127' PBTD 3120' 3413'	10-3/4" 32.75# csg set @ 594' w/100 sxs cmt, 7" 26# csg @ 3019' w/200 sxs cmt, 2" 4.7# UE @ 3120'. Oil pay 3094-3100'. (PB to 3120' w/gravel). Deepen to 3413' 2-7/8" tbg @ 3014'. Cln out to 3346'. Ran 2-7/8" tbg & SN to 3247'. Cln out to 3346'. Rih w/CA to 3339'. Ld hole w/15 BW.
J. L. Keel "B" #15	"H" 1980' FNL 660' FEL Sec. 8-17S-31E	4/16/52	7/8/52 9/24/81	Oil P&A	3500'	8-5/8" csg @ 777' w/100 sxs cmt, 7" @ 3075' w/200 sxs cmt, 2-1/2" @ 3165'. Zone: 3075-3500' OH. POOH w/3077' tbg. Cmt retr set @ 2967'. Sp'd 260" "H" cmt on to of retr. Spt 100' cmt f/1595-1695'. Perf'd 2 JS @ 700'. Set Cmt retr @ 650'. Cmt'd thru retr w/235 sxs cl "H". Pmp'd 175 sxs thru ann. spot 100' cmt plug on top of retr @ 650'. Spot 10' cmt @ surf. CO WH. Well P&A
J. L. Keel "B" #9	"H" 1980' FNL 660' FEL	6/20/51	8/23/51	Oil	3500'	10-3/4" 32.75# csg @ w/100 sxs cmt, 7" 24# csg @ 3082' w/200 sxs cmt,
J. L. Keel "B" #16	Sec. 5-17S-31E 1980' FSL 660' FEL Sec. 5-17S-31E	5/1/52	7/9/52 1/15/64 5/22/95	Oil W/W P&A?	3510' 3780'	8-5/8" 24# csg @ 643' w/100 sxs cmt, 7" 26# @ 3081' w/200 sxs cmt, 2-1/2" at 3295'. 3-1/2" Larkin shot w/190 qtr Nitro gly f/3260-3350'. CO to 3350'. Zones: 3278-3289', 3324-32'. Deepen to 3780'. Cmt'd 5" liner f/3002-3765'. Perf'd 3140-3756' (164), set 2-3/8" tbg @ 3113' w/pkr. Conv to wtr inj well. In process of P&A'ing well. No report to reflect well was plugged, although status reflects P&A.
J. L. Keel "B" #50	1310' FSL 1310' FEL Sec. 5-17S-31E	12/7/94	3/8/95	Oil	4167' PBTD 4112'	8-5/8" J-55 24# csg set @ 482' w/365 sxs cmt, TOC surf. 5-1/2" J-55 15.5# csg, set @ 4166' w/1425 sxs cmt, TOC surf. Perfs: 3041-3852'. 2-7/8" OE tbg @ 3903'.

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "B" #84	2620' FSL 10' FWL Sec. 485-17S-31E	9/13/95	10/6/95	Oil	4230' PBTD 4275'	8-5/8" 24# @ 516' w/380 sxs cmt, 5-1/2" 15.5# @ 4319' w/1050 sxs cmt, 2-7/8" @ 3908' (OE). Perf'd Middle Jackson f/3673-3779', Perf'd Grayburg/Lovington f/3173-3514'.
J.L. Keel "B" #74	"B" 338' FNL 1455' FEL Sec. 8-17S-31E	8/1/95	9/11/95	Oil	4235' PBTD 4187'	8-5/8" 24# @ 464' w/500 sxs cmt, 5-1/2" 15.5# @ 4234' w/1350 sxs cmt, 2-7/8" @ 4099' (OE), Perfs: 3766-4022' (23), Perf'd M&U Jackson & Lovington 3426-3693' (19), Perf'd Grayburg 3130-3376' (29).
J.L. Keel "B" #28	"I" 660' FEL 1980' FSL Sec. 8-17S-31E	10/23/64	11/10/64 8/30/79	Int. P&A	3800'	8-5/8" 24# @ 550' w/225 sxs cmt, 4-1/2" 9.5# @ 3800' w/360 sxs cmt, 2-3/8" @ 3069' w/pkr. Perfs: 3118-3800' (190 holes), acid w/2450 gals MA Plugged and Abandoned Effective 8/30/79
J.L. Keel "B" #57	"I" 1980' FSL 580' FEL Sec. 8-17S-31E	1/8/95	5/2/95	Oil	3985' CIBP @ 3568'	8-5/8" J-55 24# csg set @ 424' w/500 sxs cmt, TOC surf. 5-1/2" J-55 15.5# csg, set @ 3983' w/1325 sxs cmt, TOC surf. Perfs: 3029-3899' 2-7/8" OE tbg @ 3526'.
J.L. Keel "B" #63	"M" 1310' FSL 1190' FWL Sec. 6-17S-31E	2/1/95	4/12/95	Oil	4000' PBTD 3952'	8-5/8" J-55 24# csg set @ 433' w/325 sxs cmt, TOC surf. 5-1/2" J-55 15.5# csg, set @ 3999' w/1150 sxs cmt, TOC surf. Perfs: 2785-3611' 2-7/8" OE tbg @ 3916'.

Well Name	Operator	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
Kersey State #1	Westall Ray	660' FNL 1980' FEL	3/4/89	5/4/89	Oil-WO	3780'	4-1/2" csg @ 3780 w/300 sxs cmt, 2-3/8" tbg @ 3710'. IP: f/3453-3749' prod 130 BOPD & 110 MCF/d. Acid 3645-3749' w/7000 gals acid, Acid f/3453-3590' w/2000 gals. Frac'd f/3452-3590' w/60,000 gals & 160,000# sd.
Lea "C" #11	Apache Corp	1980' FSL 660' FWL	7/21/72	8/5/72	Oil	3930'	8-5/8" set @ 614' w/350 sxs cmt, 5-1/2" set @ 3930' w/1600 sxs cmt. Acid f/3361-3872' w/2000 gals, Frac'd w/35,000 gals & 52,000# sd. IP: 78 BO, 84 BW.
Skelly Unit #106	Wiser Oil Co.	660' FNL 1980' FWL	1/9/71	2/19/71	Oil	3692'	8-5/8" @ 626' w/300 sxs cmt, 5-1/2" @ 3692' w/1350 sxs cmt, Frac'd f/3282-3510' w/18,000 gals & 22,500# sd. IP 65 BO. 5 BW.
Skelly Unit #18	Wiser Oil Co.	660' FNL 660' FWL	8/5/59	9/16/59	Oil	3611'	See Attached Schematic for Plugging Information 8-5/8" @ 770' w/90 sxs, 5-1/2" @ 3510' w/345 sxs, CLAG f/3434-3460' w/250 gals, Frac w/40,000 gals. CLAG f/3302-58' w/250 gals, Frac w/50,000 gals. IP: 3302-3460' 129 BO.
J.L. Keel "B" #1	Repollo Oil Co. (Devon)	330' FSL 330' FEL	11/22/26	5/1/27	D&A	3872'	12-1/2" @ 680', 10" @ 1823', 8-1/4" @ 2953', 6-5/8" @ 3380'. XPLO f/3482-3491' w/40 QIs, f/3377-3412' w/140 QIs. IP 15 BO. 3380-3872'. See Attached Schematic for Plugging Information
West "A" #1	Repollo Oil Co. (Devon)	660' FNL 1980' FWL	7/17/46	9/20/46	D&A	3690'	10" @ 815' w/75 sxs cmt, 8-1/4" @ 2885'. See Attached Schematic for Plugging Information
H.E. West #3	Repollo Oil Co. (Devon)	330' FNL 330' FEL	3/19/39	7/5/39	D&A	4483'	8-5/8" @ 895' w/50 sxs, 7" @ 3670' w/200 sxs. See Attached Schematic for Plugging Information
New Mex BG St #3	Mack Energy Corp	1650' FSL 330' FEL	9/15/79	11/8/79	Oil	3852'	8-5/8" @ 770' w/300 sxs, 5-1/2" @ 3847' w/425 sxs, Acid 2994-3000' w/500 gals, Frac'd w/17,000 gals & 19,000# sd. Acid 3569-74' w/500 gals, Frac'd w/20,000 gals & 23,000# sd. Acid 3659-3694' w/1000 gals, Frac'd w/31,000 gals & 35,500# sd. IP: 3569-3694': 84 BO.
Shell-State #1	Kersey and Co.	330' FNL 330' FEL	7/14/60	12/1/60	Oil	3778'	8-5/8" @ 682' w/50 sxs cmt, 4-1/2" @ 3775' w/325 sxs, Acid f/3726-3744' w/2500 gals, Acid 3288-3428' w/2500 gals, Frac'd w/25,000 gals, 25,000# sd.
<del>Johnson "B" #4</del>	<del>Suppes, GB</del>	<del>510' FSL 2130' FEL</del>	<del>5/20/48</del>	<del>7/18/48</del>	<del>D&amp;A</del>	<del>3798'</del>	<del>8-1/4" @ 532', 5-1/2" @ 3279' w/150 sxs cmt.</del>
TX Trading-Fed #2	Xeric Oil & Gas Co.	660' FSL 660' FEL	12/25/63	1/20/64	Inj	3836'	5-1/2" @ 3836' w/150 sxs cmt.
Johnson #16	Xeric Oil & Gas Co	330' FSL 2310' FEL	6/6/55	7/24/55	Oil	3597'	8-5/8" @ 583' w/50 sxs cmt, 5-1/2" @ 3561' w/50 sxs cmt, Frac'd 3428-3440' w/10,000 gals & 10,000#sd, Frac'd 3561-3597' w/10,000 gals & 10,000# sd. IP: 3428-3597' 47 BOPD.

**ATTACHMENT VI**  
**Well Information and Downhole Schematics**  
**Plugged and Abandoned Wells within Area of Review**  
**Devon Energy Corporation**  
**Grayburg/Jackson Waterflood Project**

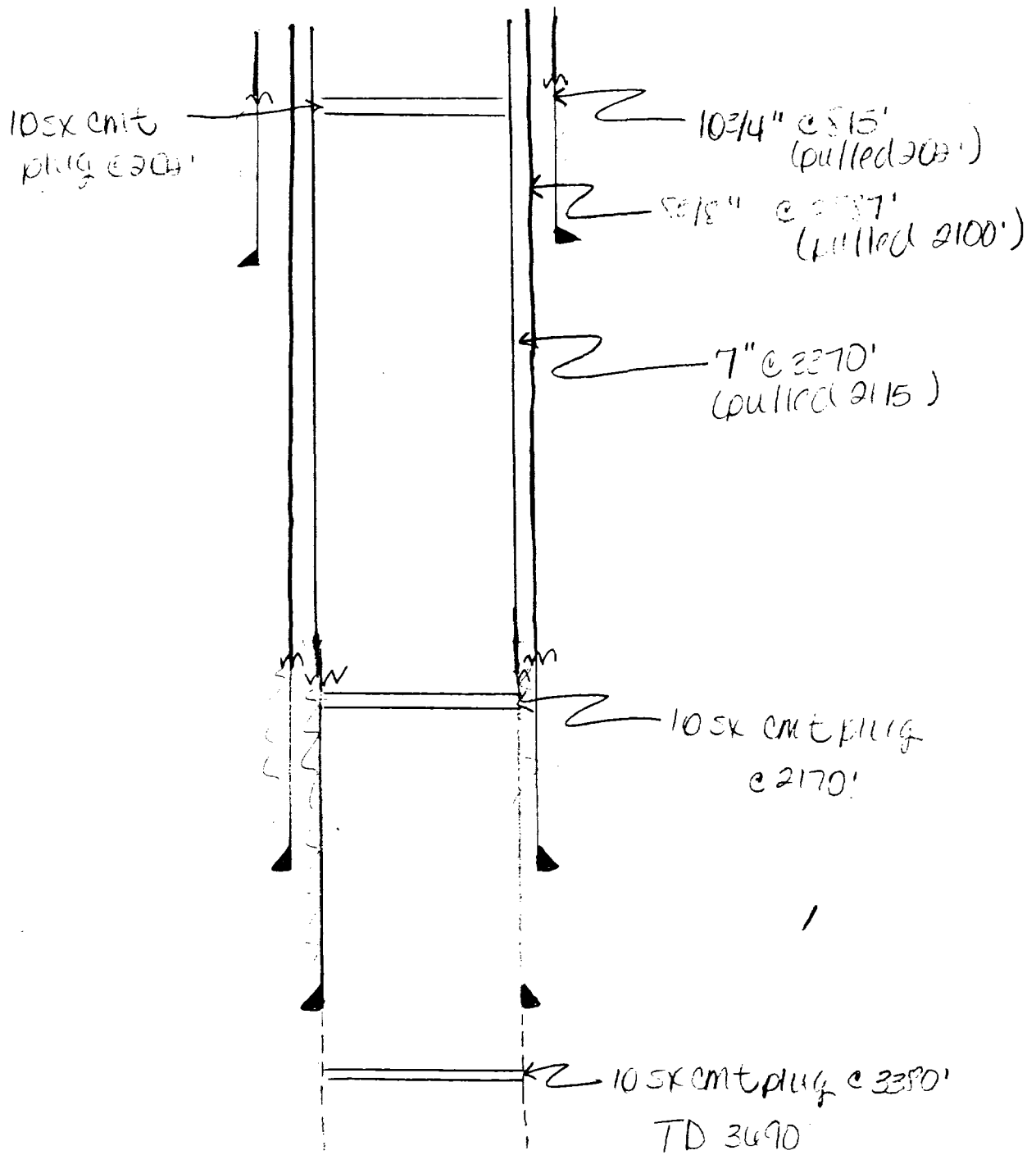
**Well Name:** West "A" #1  
**Location:** Section 3-17S-31E  
**Operator (at time of plugging):** Repollo  
**Date Plugged:** 1948  
**Information Obtained From:** Completion Report

**Comments:** Filled hole w/hvy mud thru tbg & spotted 10 sx cmt plug @ 3380'. Knocked off 7" csg @ 2100' & knocked off 8-5/8" csg @ 2115'. Spotted 10 sx cmt plug @ 2170' thru tbg. Pulled tbg and knocked off 10-3/4" csg @ 202'. Spotted 20 sx cmt plug @ 202' thru tbg. Keeping hole full of hvy mud. Set regulation Marker

**Casing Detail:**

<u>Size</u>	<u>Weight</u>	<u>Setting depth</u>	<u>Cmt</u>	<u>Amount Pulled</u>
10-3/4"	32.75#	815'	100 sxs	202'
8-5/8"	32#	2887'	None	2100'
7"	24#	3370'	50 sxs	2115'

**Downhole Schematic:**



**Duplicatory Copy**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**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 Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other ☐ P&A
2. NAME OF OPERATOR ARGO Oil & Gas Company  
Division of Atlantic Richfield Company
3. ADDRESS OF OPERATOR  
P. O. Box 1710, Hobbs, New Mexico 88240
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1980' FSL & 1980' FWL  
AT TOP PROD. INTERVAL: as above  
AT TOTAL DEPTH: as above
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐  
(other) ☐

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MAY 10 1982

NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

RU 4/23/82, installed BOP, POH w/injection assy. Pushed junk 1600' to 2978'; circ csg w/brine gel wtr. Spot 25 sx Cl C cmt cont'g 2% CaCl<sub>2</sub> 2978-2678'. Set pkr @ 1627', established injection @ 2 BPM. POH w/pkr. Set cmt retr @ 1627'. Squeezed thru retr w/200 sx Cl C cmt cont'g 2% CaCl<sub>2</sub>, final squeeze press 2000#. Spot 100' cmt on top of retr. RIH w/pkr & tbg, set pkr in 5" csg @ 1150', established circ between 8-5/8" x 5" csg. POH w/pkr & tbg. Set cmt retr @ 1155'. Pmpd 1000 sx Cl C cmt, had circ to surface, no cmt circ to surface. Spot 10' cmt on top of retr. Ran temp survey, indicated TOC @ 1070' FS. Perf'd 2 JS @ 800'. Set cmt retr @ 750'. Pmpd 260 sx Cl C cmt, circ 25 sx cmt to surf. Closed bradenhead & squeezed 100 sx cmt into formation w/1000#. Dumped 150' cmt on top of retr. Spot 150' cmt surface plug. Cut off wellhead below GL, installed regulation dry hole marker. Cleaned & levelled location. P&A eff 4/27/82. Final Report. (Plugging operations witnessed by Mr. Bird Jones w/Minerals Management Service, Artesia, New Mexico.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Peter W. Chester TITLE Dist. Drlg. Supt. DATE 5/4/82

**APPROVED**

(This space for Federal or State office use)

APPROVED BY Peter W. Chester TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

NOV 30 1982

FOR

JAMES A. GILLHAM  
DISTRICT SUPERVISOR

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CENTRAL FILES

*Midland  
Dallas  
CJ-Mio*



Lease West "A"  
Well No. 1 Sec. 3 T. 17S R. 31E  
Eddy Co., Wm.

ACQUISITION \_\_\_\_\_ FIELD GLS LOCATION P+A

WELL PROFILE

TD	DRILL PIPE	LOG
PBTD	DRILL PIPE	GAMMA-RAY

ELEVATION \_\_\_\_\_ OPERATOR: Ripello  
DATUM POINT (GRD-KB-DF) \_\_\_\_\_  
DATUM POINT ELEVATION \_\_\_\_\_

CASING DESIGN

SIZE	WEIGHT	GRADE	THREAD	COUPLING	MARK CMT	NO JTS	FOOTAGE	SACKS
10 3/4"	32.75	8RD		815'	100 SKS		202'	
8 5/8"	32#	8RD		2887'	NO CMT		2100'	
7"	24#			3370'	50 SKS CMT.		2115'	

PERFORATED INTERVAL	FORMATION	REMARKS

COMMENTS:  
Filled hole w/ hvy mud thru tbg + spotted 10SK cmt plug @ 3380'. Knocked off 7" CSG @ 2100' + knocked off 8 5/8" CSG @ 2115'. Spotted 10SK cmt plug @ 2170' thru tbg. Pulled tbg and knocked off 10 3/4" OD CSG @ 202'. Spotted 20SK cmt plug @ 202' thru tbg. Keeping hole full hvy mud. Set 10 3/4" pipe. Set regulation marker

Well Information and Downhole Schematics  
Plugged and Abandoned Wells within Area of Review  
Devon Energy Corporation  
Grayburg/Jackson Waterflood Project

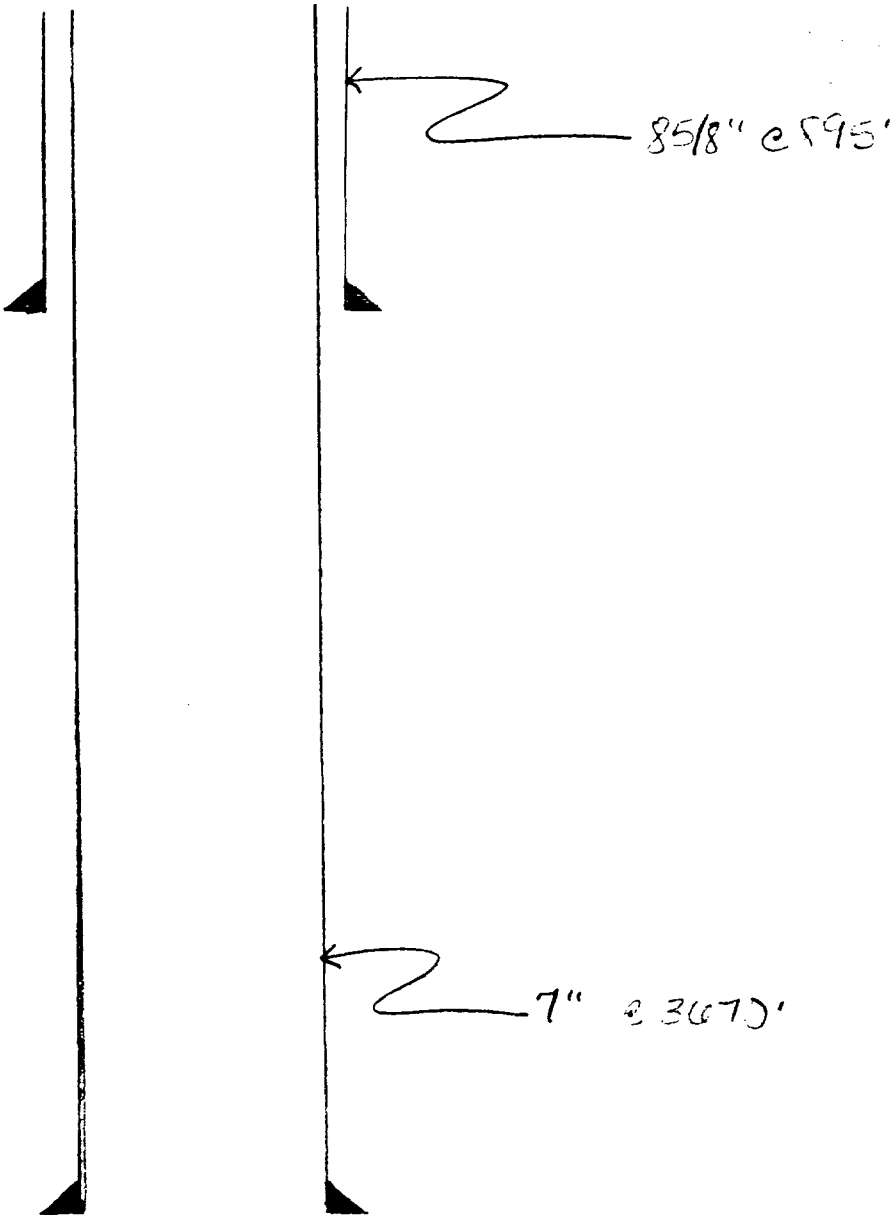
Well Name: West "A" #3  
Location: Section 3-17S-31E  
Operator (at time of plugging): Repollo  
Date Plugged:  
Information Obtained From:

Comments:

Casing Detail:

<u>Size</u>	<u>Weight</u>	<u>Setting depth</u>	<u>Cmt</u>	<u>Amount Pulled</u>
8-5/8"		895'		
7"		3670'		

Downhole Schematic:



no plugging  
info-  
called  
BLM.

**Well Information and Downhole Schematics**  
**Plugged and Abandoned Wells within Area of Review**  
**Devon Energy Corporation**  
**Grayburg/Jackson Waterflood Project**

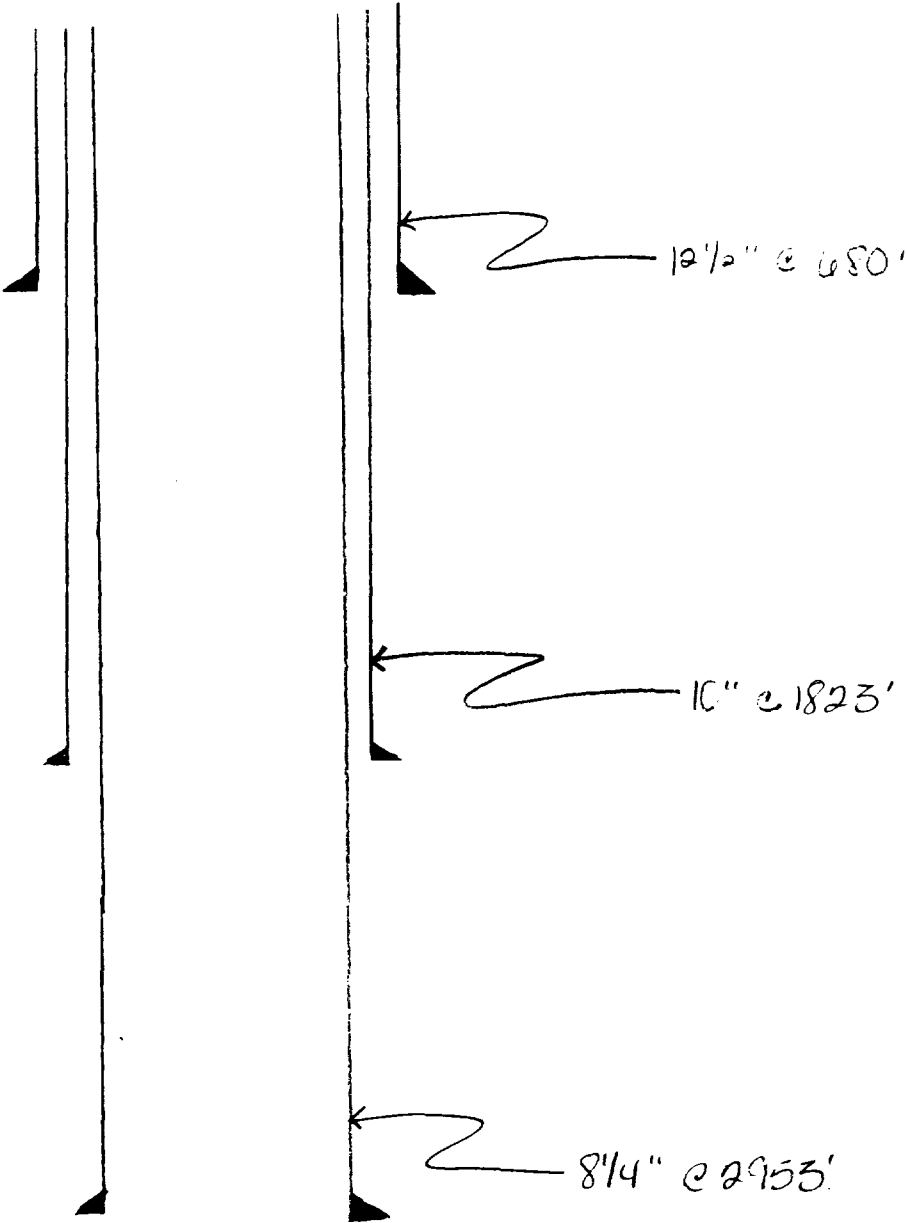
**Well Name:** Keel "B" 1  
**Location:** Section 10-17S-31E  
**Operator (at time of plugging):** Repollo  
**Date Plugged:**  
**Information Obtained From:**

**Comments:**

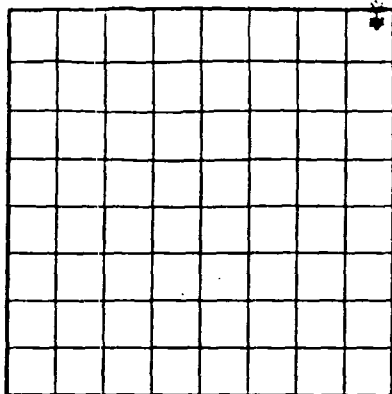
**Casing Detail:**

<u>Size</u>	<u>Weight</u>	<u>Setting depth</u>	<u>Cmt</u>	<u>Amount Pulled</u>
12-1/2"		680'		
10"		1823'		
8-1/4"		2953'		

**Downhole Schematic:**



*no  
plugging info-  
called BUM.*



U. S. LAND OFFICE **Las Cruces**  
 SERIAL NUMBER **029426**  
 LEASE OR PERMIT TO PROSPECT **H. E. West**

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Repollo Oil Company** Address **Tulsa, Okla.**  
 Lessor or Tract **H. E. West** Field **Artesia** State **New Mexico**  
 Well No. **5** Sec. **5** T. **17S** R. **31E** Meridian **NM1M** County **Eddy**  
 Location **330** ft. {N.} of **N.** Line and **330** ft. {E.} of **E.** Line of **NENE** Elevation **3999**  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed *L. Smith*

Date **7/3/39**

Title **Dist. Supt.**

The summary on this page is for the condition of the well at above date.

Commenced drilling **3/19/39**, 19\_\_\_\_ Finished drilling **6/25/39**, 19\_\_\_\_

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **show 3470** to **3475** No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from **do 3904** to **3908** No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 3, from **do 4080** to **4093** No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from **3535** to **3538** No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from **4450** to **4483** No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<b>8 5/8" 00</b>	<b>32</b>	<b>8</b>		<b>887'</b>	<b>TP</b>				
<b>7" 00</b>	<b>24</b>	<b>10</b>		<b>2000'</b>	<b>Alloy</b>				
HISTORY OF OIL OR GAS WELL									

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<b>8 5/8" 00</b>	<b>32</b>	<b>50</b>	<b>Halliburton</b>		
<b>7" 00</b>	<b>24</b>	<b>200</b>	<b>do</b>		<b>6 Ton</b>

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

Size	Shell used	Cartridge used	Quantity	Date	Barrel	Depth cleaned out
none						

## TOOLS USED

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

Cable tools were used from ..... 0 ..... feet to ..... 4483 ..... feet, and from ..... feet to ..... feet

## DATES

....., 19..... Put to producing ..... , 19.....

The production for the first 24 hours was none barrels of fluid of which ..... % was oil; ..... % emulsion; ..... % water; and ..... % sediment. Gravity, °Bé. ....

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

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

## EMPLOYEES

P. H. Coleman Coleman, Driller E. A. Mardahl Mardahl, Driller  
J. T. Henry Henry, Driller ....., Driller

## FORMATION RECORD

FROM	TO -	TOTAL FEET	FORMATION
0	130	130	Sand & Hedbed
130	630	500	Hedrock
630	850	220	Anhydrite
850	945	95	Salt
945	1130	185	Salt & anhydrite
1130	1825	675	Salt & Potash
1825	2305	480	Anhydrite
2305	3145	840	Anhydrite & Lime
3145	3155	10	Sand
3155	3185	30	Anhydrite
3185	3225	40	Red sand
3225	3300	75	Anhydrite
3300	4483	1183	Lime - Salt water 4450 to 4483

FROM

TO

TOTAL FEET

(OVER)

FORMATION

6-5745

FORMATION RECORD—Continued

## RECC 'ENDATION FOR NEW WELL L ATION

TBR  
MoiDATE June 14, 1938LEASE NO. COUNTY & STATE Lease #1 Sddy County, New MexicoFARM NAME & WELL NO. West #3TO BE LOCATED 330' from north and east lines of SectionSECTION 3 TOWNSHIP 17 north RANGE 31 eastOWNERSHIP OF W. I. Full

OPERATED BY (IF PARTNERSHIP OR UNIT)

OPERATING AGREEMENT PARTNERS CONSENT

OFFSET (OWNER, WELL NO. &amp; FARM NAME)

LATEST PRODUCTION DATA

PRESENT ALLOWABLE (BBLs) PRODUCING HORIZON

REASON FOR DRILLING LOCATION RECOMMENDED Exploration of Permit

WELL MUST START OR COMPLETE

ESTIMATED COST \$35,000.00 BUDGET

CONTRIBUTIONS TITLE CHECK

## GEOLOGICAL REPORT

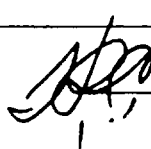
CONTRACT DEPTH 4500', or oil, gas or water in  
pays shown below.FORMATIONS TO BE TESTED  
AND APPROXIMATE DEPTHS

SUGGESTIONS FOR RUNNING PIPE

SUGGESTIONS FOR CORING

Sandy line 3700 to 3800'10 3/4" 600' setSamplesSandy line 3850-3950'8 5/8" 1000 cemented 50 max.Line 4200-4400'.7" 3700 " 100 max.RECOVERY PER ACRE TO BE REASONABLY EXPECTED WildcatOTHER SUGGESTIONS Cable tools.

B



J. B. Lark

REPORT OF SPECIAL TESTS ON- H. E. TEST. well # 3

DEVIATION SURVEY

500 Feet	1/2 Degree from Vertical				
1000 "	1/2	"	"	"	"
1500 "	1/2	"	"	"	"
1985 "	1/2	"	"	"	"
2500 "	1/2	"	"	"	"
3000 "	1/2	"	"	"	"
3500 "	1/2	"	"	"	"
4000 "	1/2	"	"	"	"

ORIGINAL

## NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## NOTICE OF INTENTION TO DRILL

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

Tulsa, Oklahoma

June 27, 1946

OIL CONSERVATION COMMISSION,  
Santa Fe, New Mexico,

Gentlemen:

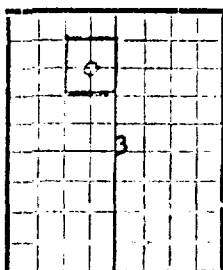
You are hereby notified that it is our intention to commence the drilling of a well to be known as

Repollo Oil Company H. E. West "A" Well No. 1 in NE NW

Company or Operator Lease

of Sec. 3, T. 17-S, R. 31-E, N. M., P. M., Square Lake Field, Eddy County.

N



AREA 660 ACRES

LOCATE WELL CORRECTLY

The well is 660 feet (S) of the North line and 660 feet

(E) 1000 of the West line of NE NW Section 3

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

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

If patented land the owner is

Address

If government land the permittee is J. E. Keel

Address Nowell, New Mexico

The lessee is Repollo Oil Company

Address P.O. Box 521, Tulsa 2, Oklahoma

We propose to drill well with drilling equipment as follows:

Cable Tools

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

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

Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	Backs Cement
12-1/2	10-3/4	40	S.H.	800	Cemented	50
10	8-5/8	28	"	2900	Set	—
8	7	20	New	3375	Cemented	100

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about 3700 feet.

Additional information:

Approved JUN 25 1946, 19

except as follows:

Sincerely yours,

REPOLLO OIL COMPANY

Company or Operator

By Dana H. Kelsey

Position Vice-President

Send communications regarding well to

Name Dana H. Kelsey

Address P.O. Box 521, Tulsa 2, Oklahoma

OIL CONSERVATION COMMISSION,

By

Title



# **ATTACHMENT VI** **Well Information and Downhole Schematics** **Plugged and Abandoned Wells within Area of Review** **Devon Energy Corporation** **Grayburg/Jackson Waterflood Project**

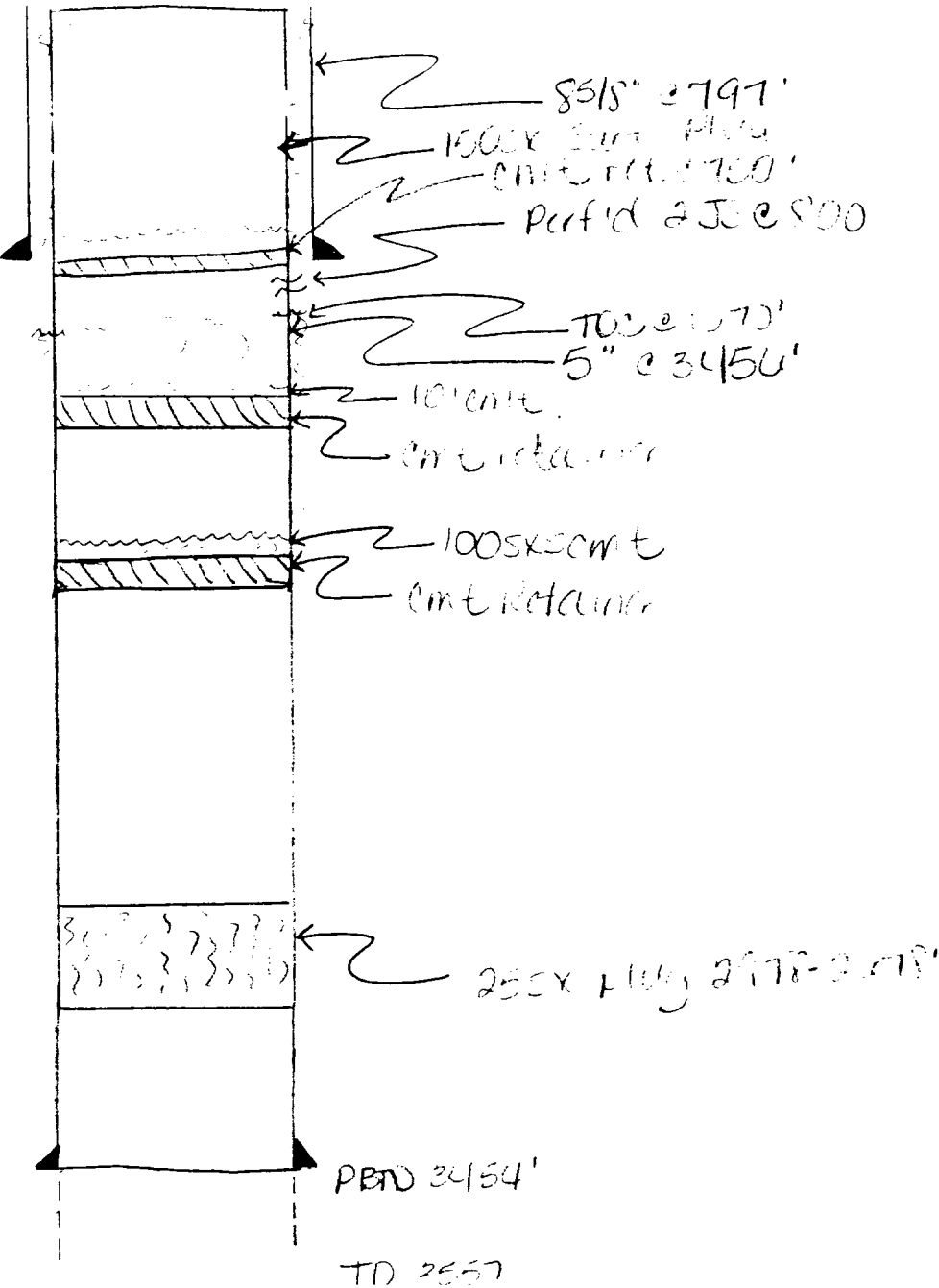
**Well Name:** West "B" #23  
**Location:** Section 3-17S-31E  
**Operator (at time of plugging):** ARCO Oil & Gas Company  
**Date Plugged:** 4/27/82  
**Information Obtained From:** Sundry Notice

**Comments:** Spot 25 sx plug 2978-2678'. Set pkr @ 1627'. Set cmt ret @ 1627'. Squeeze thru ret w/200 sxs cl "C" cmt. Spot 100' cmt on top of ret. Set pkr in 5" csg @ 1150'. Established circ between 8-5/8" x 5" csg. Set cmt ret @ 1155'. Pmpd 1000 sxs cl "C" cmt. Spot 10' cmt on top of retr. Temp surv indicated TOC @ 1070' FS. Perf'd 2 JS @ 800'. Set cmt retr @ 750'. Pmpd 260 sxs cl "C". Circ 25 sxs to surf. Clsd bradenhead & squeezed 100 sxs cmt into formation w/1000#. Dmpd 150' cmt on top of retr. Spot 150 sxs cmt surf plug. C/O WH bel GL. P&A.

**Casing Detail:**

Size	Weight	Setting depth	Cmt	Amount Pulled
8-5/8"	24#	797'	100 sxs	
5"	11.5#	3456'	100 sxs	

**Downhole Schematic:**

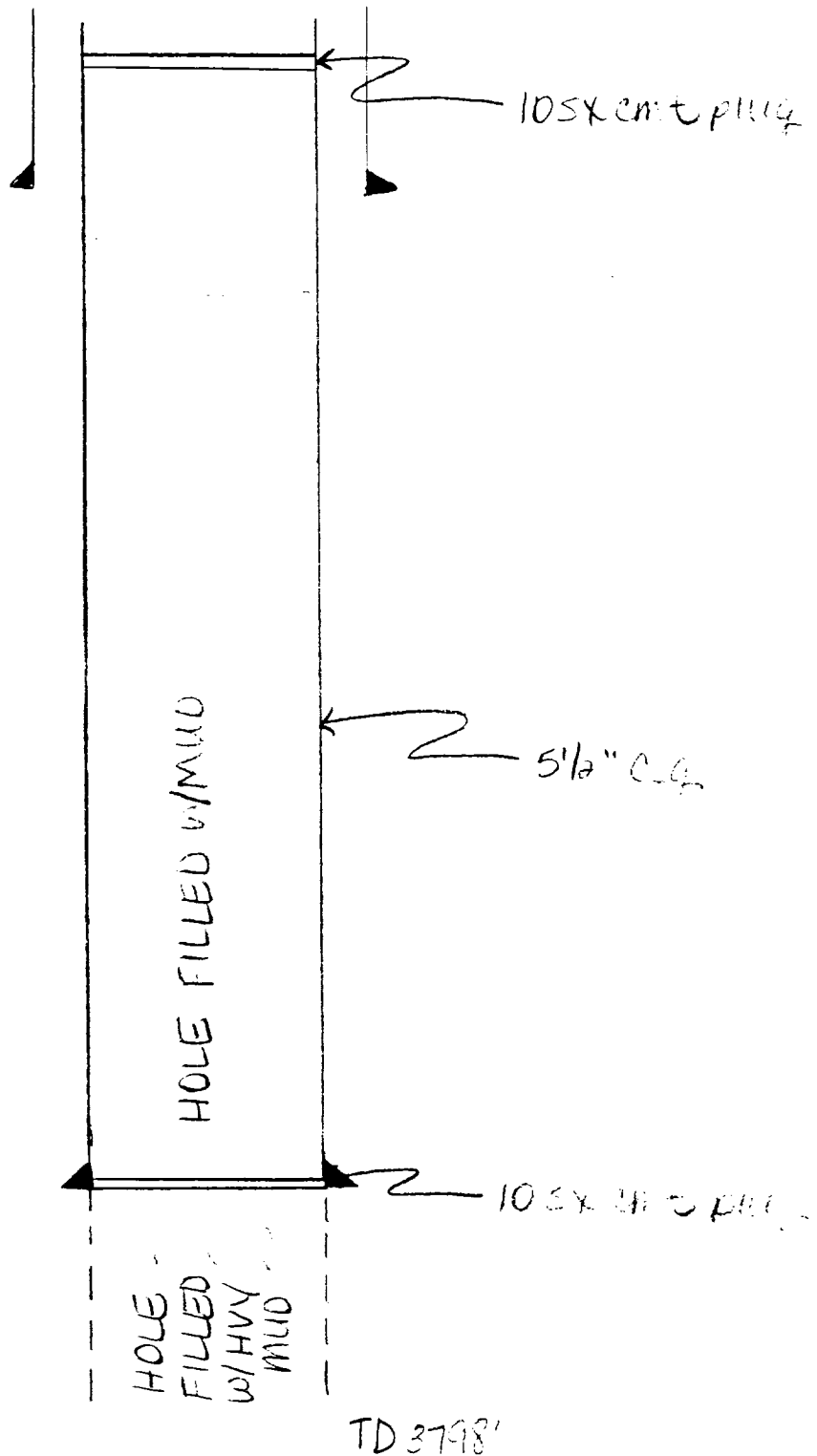


**ATTACHMENT VI**  
**Well Information and Downhole Schematics**  
**Plugged and Abandoned Wells within Area of Review**  
**Devon Energy Corporation**  
**Grayburg/Jackson Waterflood Project**

**Well Name:** Johnson "B" #14  
**Location:** Section 33-16S-31E  
**Operator (at time of plugging):** Suppes  
**Date Plugged:** 1948  
**Information Obtained From:** BLM Sundry Notice

**Comments:** Plugged by filling hole with heavy mud 3798' back to 5-1/2" setting depth of 3280'. Set 10 sx cmt plug @ 3280'. Filled hole w/mud f/ 5-1/2" to 510'. Set 10 sx cmt plug @ 110'. Filled hole w/mud to surface. (TD 3798')

**Downhole Schematic:**



## **Attachment VII**

Devon Energy Operating Corporation  
"Typical Well Information"  
Grayburg/Jackson Waterflood Project  
Eddy County, NM

### **Proposed Operation:**

1. Plans are to inject 600 barrels maximum, 500 barrels average of produced water per day.
2. The Injection system will be a closed system.
3. The proposed injection pressure is 2000 psig. Maximum pressure will be 2500 psig.
4. The injection fluid will be reinjected produced water; Plus makup water from the Keel West Fresh Water System.
5. N/A.

## **Attachment VIII**

Devon Energy Operating Corporation  
"Typical Well Information"  
Grayburg/Jackson Waterflood Project  
Eddy County, NM

### **Geology and Lithology**

Injection zones are sand lenses within the Grayburg/San Andres formation at an average depth of 3196-4070 feet.

Specifically they are:

Grayburg Formation consist primarily of Dolomite sand w/Dolomite Cementation.  
The San Andres formation consists primarily of Dolomite with Intermingled Stringers of Quartz sand with Dolomite Cementation.

#### **Fresh Water Zones**

There are no known sources of fresh water overlying or underlying the Proposed Injection Interval.

## **Attachment XII**

Devon Energy Operating Corporation  
"Typical Well Information"  
Grayburg/Jackson Waterflood Project  
Eddy County, NM

No evidence of fault communication between the shallow aquifers and the proposed injection zones has been encountered as the result of detailed studied of formations in Grayburg Jackson Unit.

## **Attachment XIII**

Devon Energy Operating Corporation  
"Typical Well Information"  
Grayburg/Jackson Waterflood Project  
Eddy County, NM

### Proof of Notice

Devon Energy Operating Corporation operates the Grayburg Jackson Unit in Sections 3,4,9 and 10. Operators operating in area of review:

Xeric Oil and Gas  
P.O. Box 51311  
Midland, TX 79710

Mack Energy Corporation  
P.O. Box 1359  
Artesia, NM 88221-1359

Apache Corporation  
One Post Oak Central  
2000 Post Oak Blvd  
Suite 100  
Houston, TX 77056-4400

Weiser Oil Company  
Attn: Betty Epie  
8115 Preston Road  
Suite 400  
Dallas, TX 75225

Kersey and Company  
808 West Grand  
Artesia, NM 88210-1937

Ray Westall  
P.O. Box 4  
Loco Hills, NM 88255

Each of these operators were provided a letter and a copy of our application by certified mail. Proof of notice is enclosed. The Bureau of Land Management is the surface owner. They have been notified by letter with a copy of our application.

**Attachment XIII (cont)**

**Proof of Publication**

Proof of Publication from the Carlsbad Current-Argus is enclosed.

# Affidavit of Publication

No 16713

State of New Mexico,  
County of Eddy, ss.

Amy McKay,  
being first duly sworn, on oath says:

That she is Business Manager  
of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the state wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

July 26, 1995  
\_\_\_\_\_, 19\_\_\_\_  
\_\_\_\_\_, 19\_\_\_\_  
\_\_\_\_\_, 19\_\_\_\_  
\_\_\_\_\_, 19\_\_\_\_  
\_\_\_\_\_, 19\_\_\_\_

That the cost of publication is \$ 25.70,  
and that payment thereof has been made and will be assessed as court costs.

Amy McKay

Subscribed and sworn to before me this

27<sup>th</sup> day of July, 1995

Donna Crump

My commission expires 08/01/98  
Notary Public

July 26, 1995

## LEGAL ADVERTISEMENT

Notice is hereby given that Devon Energy Corporation (Nevada) is applying to the New Mexico Oil Conservation Division to convert twenty (20) wells to injection wells for secondary recovery purposes in:

Sections 3, 4, 9, & 10 of Township 17S, Range 31E, Eddy County, NM

The intended purpose of these wells is to inject produced waters into the Grayburg/San Andres Formations to enhance oil production through secondary recovery. Maximum injection rates of 600 bwpd and a maximum pressure of 2500 psig are expected.

Interested parties must file objections or requests for hearing within 15 days to the following commission.

Oil Conservation Division  
P.O. Box 2088  
Santa Fe, NM 87501

Randy Jackson  
District Engineer  
Devon Energy Corporation  
(Nevada)  
20 North Broadway,  
Suite 1500  
Oklahoma City, OK 73102  
(405) 552-4560



**devon**  
ENERGY CORPORATION

20 North Broadway, Suite  
Oklahoma City, Oklahoma



September 6, 1995

Ray Westall  
P.O. Box 4  
Loco Hills, NM 88255

RE: Devon Energy Corporation  
Grayburg Jackson Waterflood Project  
Sections 3,4,9,10-T17S-R31E  
Eddy County, NM

Gentlemen

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing applications to convert approximately twenty (20) wells to water injection wells in the above referenced Sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearing of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

Please direct questions regarding this matter to Randy Jackson at (405) 552-4560.

Sincerely,

Devon Energy Corporation

*Diana M. Keys*

Diana M. Keys  
Engineering Technician

/dmk  
enclosures

xc: Well Files

**PS Form 3800, March 1993**

Ray Westall  
P.O. Box 4  
Loco Hills, NM 88255

Grayburg Jackson Waterflood Project

5. Signature (Addressee)

6. Signature (Agent)

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date

4a. Article Number  
2 781 292 878

4b. Service Type

☐ Registered ☐ Insured

☒ Certified ☐ COD

☐ Express Mail ☒ Return Receipt for Merchandise

7. Date of Delivery  
11-30-95

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

POSTMARK: Offsets & G W. flood.

your RETURN ADDRESS completed on the reverse side?

PS Form 3811, December 1991 U.S. GPO: 1993-352-714

**DOMESTIC RETURN RECEIPT**

**devon**  
ENERGY CORPORATION

20 North Broadway, Suite 14  
Oklahoma City, Oklahoma 73102



Z 781 292 87  
**Receipt for  
Certified Mail**  
No Insurance Coverage Provided  
Do not use for International  
(See Reverse)

September 6, 1995

Kersey and Company  
808 West Grand  
Artesia, NM 88210-1937

RE: Devon Energy Corporation  
Grayburg Jackson Waterflood Project  
Sections 3,4,9,10-T17S-R31E  
Eddy County, NM

Kersey and Company  
808 West Grand  
Artesia, NM 88210-1937

PS Form 3800, March 1993

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date <i>Offsets G13 w' flood.</i>	

Gentlemen:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing applications to convert approximately twenty (20) wells to water injection wells in the above referenced Sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearing of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

Please direct questions regarding this matter to Randy Jackson at (405) 552-4560.

Sincerely,

Devon Energy Corporation

*Diana M. Keys*

Diana M. Keys  
Engineering Technician

/dmk  
enclosures

xc: Well Files

Is your RETURN ADDRESS completed on the reverse side?

<b>SENDER:</b> • Complete items 1 and/or 2 for additional services. • Complete items 3, and 4a & b. • Print your name and address on the reverse of this form so that we can return this card to you. • Attach this form to the front of the mailpiece, or on the back if space does not permit. • Write "Return Receipt Requested" on the mailpiece below the article number. • The Return Receipt will show to whom the article was delivered and the date delivered.		<b>OFFST STU</b> I also wish to receive following services (for an fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.
Kersey and Company 808 West Grand Artesia, NM 88210-1937  Grayburg Jackson Waterflood Project		4a. Article Number <b>2 781 292 876</b> 4b. Service Type <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input checked="" type="checkbox"/> Return Receipt Merchandise
5. Signature (Addressee) <i>Randy Jackson</i> 6. Signature (Agent) <b>ME KERSEY</b>		7. Date of Delivery <b>12-4-95</b> 8. Addressee's Address (Only if required and fee is paid)



20 North Broadway, Suite  
Oklahoma City, Oklahoma

Z 781 292 880



**Receipt for  
Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Back)

Weiser Oil Company  
Attn: Betty Epie  
8115 Preston Road  
Suite 400  
Dallas, TX 75225

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$

Postmark or Date

Offsets - G 13  
WTR FLOOD.

PS Form 3800, March 1993

September 6, 1995

Weiser Oil Company  
Attn: Betty Epie  
8115 Preston Road  
Suite 400  
Dallas, TX 75225

RE: Devon Energy Corporation  
Grayburg Jackson Waterflood Project  
Sections 3,4,9,10-T17S-R31E  
Eddy County, NM

Gentlemen:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing applications to convert approximately twenty (20) wells to water injection wells in the above referenced Sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearing of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

Please direct questions regarding this matter to Randy Jackson at (405) 552-4560.

Sincerely,

Devon Energy Corporation

*Diana M. Keys*

Diana M. Keys  
Engineering Technician

/dmk  
enclosures

cc: Well Files

<b>SENDER:</b> <ul style="list-style-type: none"><li>• Complete items 1 and/or 2 for additional services.</li><li>• Complete items 3, and 4a &amp; b.</li><li>• Print your name and address on the reverse of this form so that we can return this card to you.</li><li>• Attach this form to the front of the mailpiece, or on the back if space does not permit.</li><li>• Write "Return Receipt Requested" on the mailpiece below the article number.</li><li>• The Return Receipt will show to whom the article was delivered and the date delivered.</li></ul>		<p>Offset 416</p> <p>I also wish to receive the following services (for an ext. fee):</p> <p>1. <input type="checkbox"/> Addressee's Address</p> <p>2. <input type="checkbox"/> Restricted Delivery</p> <p>Consult postmaster for fee.</p>	
Weiser Oil Company Attn: Betty Epie 8115 Preston Road Suite 400 Dallas, TX 75225		4a. Article Number <b>2 781 292 880</b>	
Grayburg Jackson Waterflood Project		4b. Service Type <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input checked="" type="checkbox"/> Return Receipt for Merchandise	
5. Signature (Addressee)		7. Date of Delivery <b>NOV 30 1995</b>	
6. Signature (Agent) <i>[Signature]</i>		8. Addressee's Address (Only if request and fee is paid)	

PS Form 3811, December 1991 \*U.S. GPO: 1993-352-714

DOMESTIC RETURN RECEIPT



20 North Broadway, Suite  
Oklahoma City, Oklahoma

September 6, 1995

Apache Corporation  
One Post Oak Central  
2000 Post Oak Blvd  
Suite 100  
Houston, TX 77056-4400

RE: Devon Energy Corporation  
Grayburg Jackson Waterflood Project  
Sections 3,4,9,10-T17S-R31E  
Eddy County, NM

Gentlemen:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing applications to convert approximately twenty (20) wells to water injection wells in the above referenced Sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearing of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

Please direct questions regarding this matter to Randy Jackson at (405) 552-4560.

Sincerely,

Devon Energy Corporation

*Diana M. Keys*

Diana M. Keys  
Engineering Technician

/dmk  
enclosures

cc: Well Files

7 781 292 881

**Receipt for Certified Mail**  
No Insurance Coverage Provided  
Do not use for International Mail (See Back)

Apache Corporation  
One Post Oak Central  
2000 Post Oak Blvd  
Suite 100  
Houston, TX 77056-4400

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, March 1993

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt" on the back of the mailpiece.

article number, id and the date

4a. Article Number  
**2 781 292 881**

4b. Service Type  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☒ Return Receipt for Merchandise

7. Date of Delivery  
**11/30/95**

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

5. Signature (Addressee)  
*[Signature]*

6. Signature (Agent)  
*[Signature]*

Apache Corporation  
One Post Oak Central  
2000 Post Oak Blvd  
Suite 100  
Houston, TX 77056-4400

Grayburg Jackson Waterflood Project

YOUR RETURN ADDRESS COMPLETED ON THE REVERSE SIDE?

U.S. GPO: 1993-352-714



20 North Broadway, Suite 150  
Oklahoma City, Oklahoma 73102



**Receipt for  
Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Mack Energy Corporation  
P.O. Box 1359  
Artesia, NM 88221-1359

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, March 1993

September 6, 1995

Mack Energy Corporation  
P.O. Box 1359  
Artesia, NM 88221-1359

RE: Devon Energy Corporation  
Grayburg Jackson Waterflood Project  
Sections 3,4,9,10-T17S-R31E  
Eddy County, NM

Gentlemen:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing applications to convert approximately twenty (20) wells to water injection wells in the above referenced Sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearing of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

Please direct questions regarding this matter to Randy Jackson at (405) 552-4560.

Sincerely,

Devon Energy Corporation

*Diana M. Keys*

Diana M. Keys  
Engineering Technician

/dmk  
enclosures

cc: Well Files

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

**3. Article Addressed to:**

Mack Energy Corporation  
P.O. Box 1359  
Artesia, NM 88221-1359  
**PO Box 960**  
Grayburg Jackson Waterflood Project

**5. Signature (Addressee)**

*Shannon Dils*

**6. Signature (Agent)**

*Shannon Dils*

*POST 216*

also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

**4a. Article Number**

**2 781 292 882**

**4b. Service Type**

- |   |  |
|---|--|
| <input type="checkbox"/> Registered           | <input type="checkbox"/> Insured                                   |
| <input checked="" type="checkbox"/> Certified | <input type="checkbox"/> COD                                       |
| <input type="checkbox"/> Express Mail         | <input checked="" type="checkbox"/> Return Receipt for Merchandise |

**7. Date of Delivery**

**12-1-95**

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

# devon

## ENERGY CORPORATION

20 North Broadway, Suite 1500  
Oklahoma City, Oklahoma 73102-8260

Telephone: 405/235-3611  
FAX 405/552-4667

September 6, 1995

Xeric Oil and Gas  
P.O. Box 51311  
Midland, TX 79710

RE: Devon Energy Corpora:  
Grayburg Jackson Water  
Sections 3,4,9,10-T17S-  
Eddy County, NM

Gentlemen:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing applications to convert approximately twenty (20) wells to water injection wells in the above referenced Sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearing of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

Please direct questions regarding this matter to Randy Jackson at (405) 552-4560.

Sincerely,

Devon Energy Corporation

*Diana M. Keys*  
Diana M. Keys  
Engineering Technician

/dmk  
enclosures

xc: Well Files

Is your RETURN ADDRESS completed on the reverse side?

### SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

### 3. Article Addressed to:

Xeric Oil and Gas  
P.O. Box 51311  
Midland, TX 79710

### Grayburg Jackson Waterflood Project

### b. Signature (Addressee)

### 6. Signature (Agent)

*Diana M. Keys*

*OFF 11/6*

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address

2. ☐ Restricted Delivery

Consult postmaster for fee.

### 4a. Article Number

*Z 781 292 883*

### 4b. Service Type

- ☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☒ Return Receipt for Merchandise

### 7. Date of Delivery

*11-9-95*

### 8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 \*U.S. GPO: 1993-352-714

**DOMESTIC RETURN RECEIPT**

*Z 781 292 883*

### Receipt for Certified Mail



No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Xeric Oil and Gas P.O. Box 51311 Midland, TX 79710	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, March 1993

Sorted Lists of Area of Review Wells

<u>Group Number</u>	<u>Well Name</u>	<u>Area of Review Well</u>	<u>Well Number</u>
1	West "B" 35	#3 (non op)	nw/nw/nw of 16
1	West "B" 35	KB	15
1	West "B" 35	KB	28
1	West "B" 35	KB	46
1	West "B" 35	KB	57
1	West "B" 35	KB	77
1	West "B" 35	KB	92
1	West "B" 35	KB	94
1	West "B" 35	WB	43
1	West "B" 35	WB	45
1	West "B" 35	WB	30
1	West "B" 35	WB	46
1	West "B" 35	WB	79
1	West "B" 35	WB	10
1	West "B" 35	WB	39
1	West "B" 35	WB	8
2	West "A" 6	WA	2
2	West "A" 6	WA	7
2	West "A" 6	WA	4
2	West "A" 6	WA	9
2	West "A" 6	WA	5
2	West "A" 6	WA	8
2	West "A" 6	WA	24
2	West "A" 6	WA	20
2	West "A" 6	WA	10
2	West "A" 6	WA	19
2	West "A" 6	WA	16
2	West "A" 6	WA	21
2	West "A" 6	WA	22
2	West "A" 6	WA	25
2	West "A" 6	WA	17
2	West "A" 6	WB	5
2	West "A" 6	WB	33
3	West "B" 16	#6 (non op)	"N" of Sec. 34
3	West "B" 16	WA	6
3	West "B" 16	WA	1
3	West "B" 16	WA	13
3	West "B" 16	WA	11
3	West "B" 16	WA	18
3	West "B" 16	WA	12
3	West "B" 16	WB	55
3	West "B" 16	WB	23
3	West "B" 16	WB	37
3	West "B" 16	WB	49
3	West "B" 16	WB	56
3	West "B" 16	WB	44
3	West "B" 16	WB	32
3	West "B" 16	WB	85
4	West "A" 11	WA	16
4	West "A" 11	WA	28
4	West "A" 11	WA	15
4	West "A" 11	WA	3

Sorted Lists of Area of Review Wells

4	West "A" 11	WA	32
4	West "A" 11	WB	18
4	West "A" 11	WB	26
5	West "B" 37	WB	25
5	West "B" 37	#2 (non op)	2
6	West "B" 1	WB	51
6	West "B" 1	WB	57
6	West "B" 1	WB	19
6	West "B" 1	WB	24
6	West "B" 1	WB	50
6	West "B" 1	WB	25
6	West "B" 1	WB	38
6	West "B" 1	WB	58
6	West "B" 1	WB	66
6	West "B" 1	WB	59
6	West "B" 1	WB	67
6	West "B" 1	WB	48
6	West "B" 1	WB	40
6	West "B" 1	#3 (non op)	3
7	West "B" 48	WB	1
7	West "B" 48	WB	41
7	West "B" 48	WB	42
7	West "B" 48	WB	31
7	West "B" 48	WB	66
7	West "B" 48	WB	14
7	West "B" 48	WB	34
7	West "B" 48	WB	20
7	West "B" 48	WB	60
7	West "B" 48	#1 (non op)	1
7	West "B" 48	#1 (non op)	1
8	West "B" 32	WB	2
8	West "B" 32	WB	13
8	West "B" 32	WB	17
8	West "B" 32	WB	21
8	West "B" 32	WB	36
8	West "B" 32	WB	52
8	West "B" 32	WB	72
8	West "B" 32	WB	61
8	West "B" 32	(non op)	1
8	West "B" 32	(non op)	18
9	West "B" 45	WB	35
9	West "B" 45	WB	22
9	West "B" 45	(non op)	1
9	West "B" 45	(non op)	3
9	West "B" 45	(non op)	3
10	West "B" 39	WB	27
10	West "B" 39	WB	29
10	West "B" 39	WB	53
10	West "B" 39	WB	12
10	West "B" 39	WB	62
10	West "B" 39	WB	47
10	West "B" 39	WB	63
11	West "B" 27	KB	14
11	West "B" 27	WA	14



Sorted Lists of Area of Review Wells

11	West "B" 27	WA	33
11	West "B" 27	WB	9
11	West "B" 27	WB	64
11	West "B" 27	WB	54
11	West "B" 27	WB	11
11	West "B" 27	WB	73
11	West "B" 27	WB	7
12	West "B" 7	KB	16
12	West "B" 7	KB	19
12	West "B" 7	KB	9
12	West "B" 7	KB	50
12	West "B" 7	KB	84
13	West "B" 8	KB	10
13	West "B" 8	KB	12
13	West "B" 8	KB	35
13	West "B" 8	KB	39
13	West "B" 8	KB	63
13	West "B" 8	KB	88