

devon
ENERGY CORPORATION

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

WFX 5.1.96
681
Telephone: 405/235-3611
FAX 405/552-4667

February 19, 1996

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505
Attn: Mr. Ben Stone

RE: H.E. West "B" #9 H.E.
660' FSL 660' FWL
Section 4-17S-31E
Eddy County, NM

West "B" #11
1980' FSL 1980' FWL
Section 4-17S-31E
Eddy County, NM

H.E. West "B" #6
2005' FNL 660' FWL
Section 4-17S-31E
Eddy County, NM

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

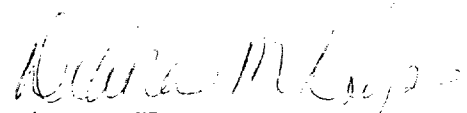
Mr. Stone:

Please find enclosed Applications for Authority to Inject on the above referenced wells. Each of these wells had previously been a water injection well, but had been shut in for over one year. Since these four wells are a continuation of the Phase III project which was approved in January, I am sending copies of the publications, and using some of the attachments from the original Phase III application.

Please advise if additional information is required and direct questions regarding this matter to Randy Jackson at (405) 552-4560 or Diana Keys at (405) 552-4511.

Sincerely,

Devon Energy Corporation



Diana M. Keys
Engineering Technician

/dmk
enclosures

xc: Well Files

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.
- * 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: 2/19/96
- * 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.

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.

ATTACHMENT III (tabular)

Well Data

- A. (1) H.E. West "A" #4
1980' FNL 1980' FWL
Section 4-17S-31E
Eddy County, NM
- (2) **Surface Casing:** 8-5/8" 24#, set @ 706' w/100 sxs cmt.
Est TOC @ 546'. (12-1/4" hole)
Production Casing: 7" set @ 3169' w/200 sxs cmt.
Est TOC @ 1555'. (8" hole)
Liner: 4-1/2" 9.5# liner f/3068-3842' w/95 sxs cmt.
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 J-Loc Pkr will be set @ 3025'
- B. (1) The injection formations will be the Grayburg/San Andres in the
Grayburg/Jackson field.
- (2) The proposed intervals are 3100-4000'. The injection interval will be open
hole 3842-4000' and through existing and proposed perforations 3100-
3842'.
- (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 3100-3842' interval.
- (5) The Top of the Seven Rivers Formation is approximately 2300', there are
no known lower oil formations.

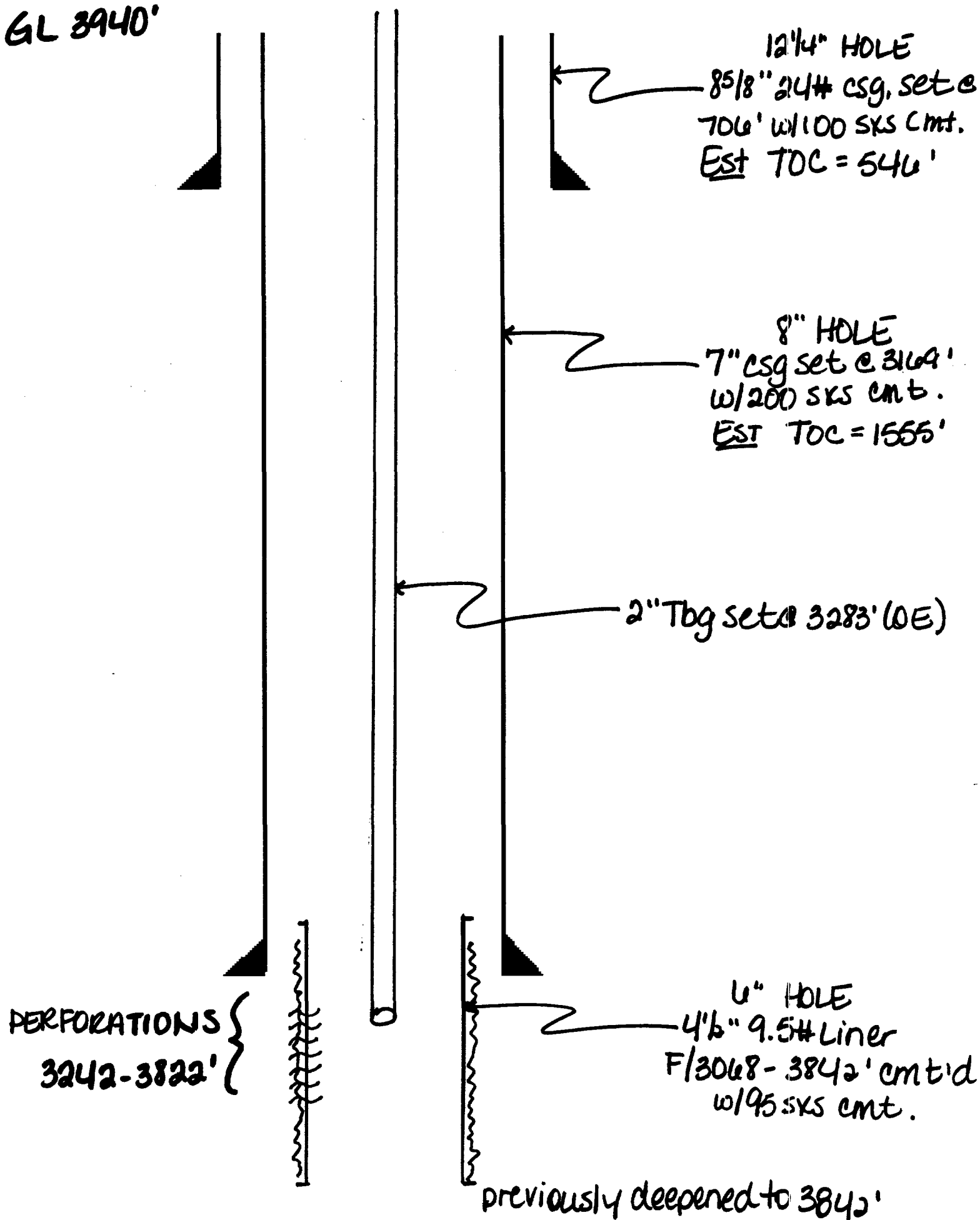
Devon Energy Operating Corporation

Attachment III - Schematic

EXISTING WELLBORE

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

GL 3940'

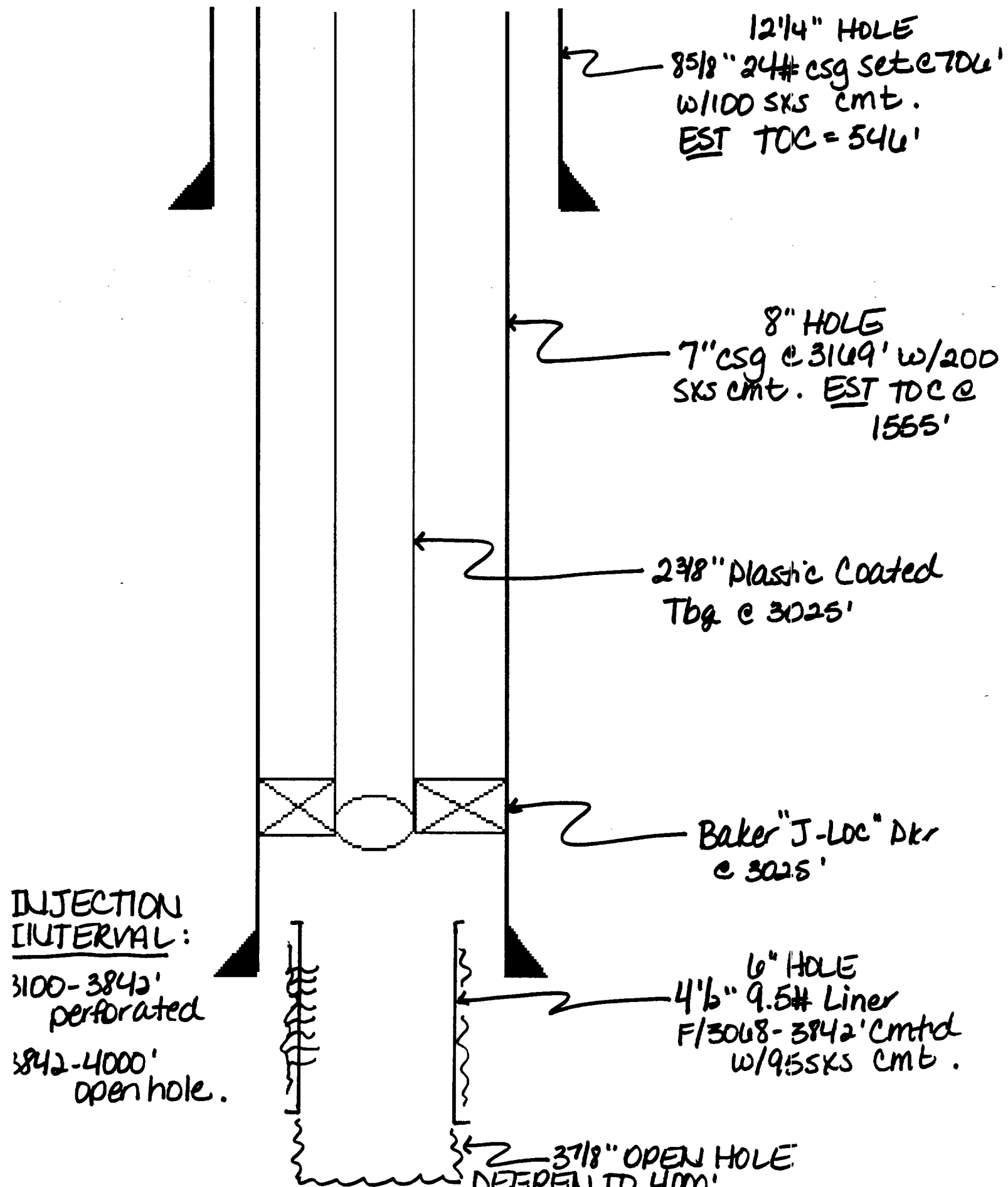


Devon Energy Operating Corporation

Attachment III - Schematic

PROPOSED WELLBORE

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



ATTACHMENT III (tabular)

Well Data

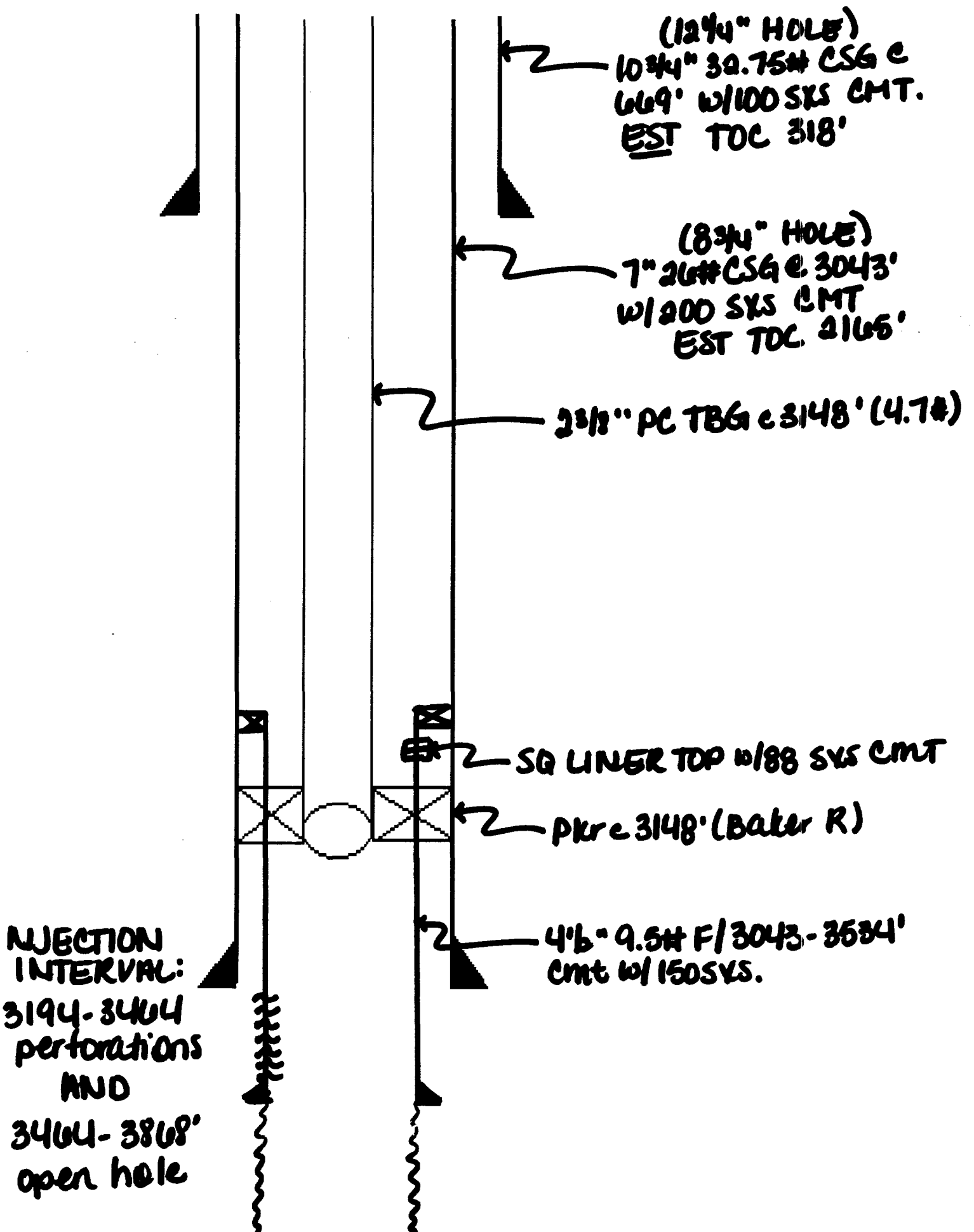
- A. (1) H.E. West "B" #6
2005' FNL 660' FWL
Section 4-17S-31E
Eddy County, NM
- (2) **Surface Casing:** 10-3/4" 32.75#, set @ 669' w/100 sxs cmt.
Est TOC @ 318'. (12-1/4" hole)
Production Casing: 7" 26#, set @ 3123' w/200 sxs cmt.
Est TOC @ 2165'. (8-3/4" hole)
Liner: 4-1/2" liner f/3043 to 3534'. Cmt'd w/150 sxs cmt, Sq'd liner top
@ 3060' w/88 sxs cmt, 2-3/8" tbg @ 3148' w/Baker "R" Pkr.
Please also refer to the wellbore schematic labeled Attachment III -
(schematic)
- (3) Tubing will be 2-3/8" Plastic coated 4.7#, set @ 3148'
- (4) Baker Model "R" Packer set @ 3148'
- B. (1) The injection formations will be the Grayburg/San Andres in the
Grayburg/Jackson field.
- (2) The proposed intervals are 3126-3868'. The injection interval will be
through open hole and perforations 3194-3464
- (3) This well was originally drilled and completed as an oil well and converted
to a water injection well 7/29/64.
- (4) Injection will be through open hole interval 3534-3868'.
- (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" #6
2005' FNL and 660' FWL
Section 4-17S-31E
Eddy County, NM

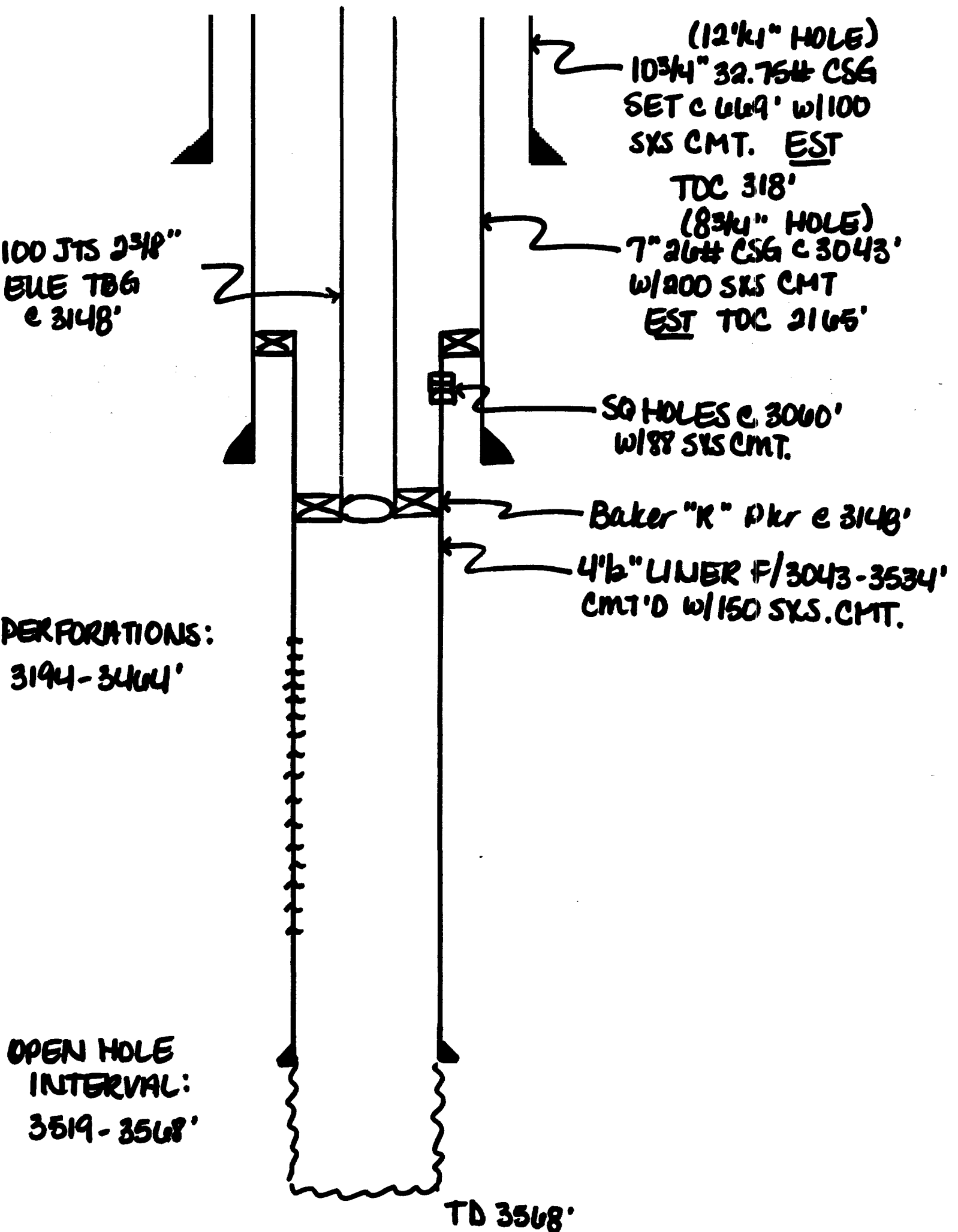


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Attachment III - Schematic

EXISTING WELLBORE

H.E. West "B" #6
2005' FNL and 660' FWL
Section 4-17S-31E
Eddy County, NM



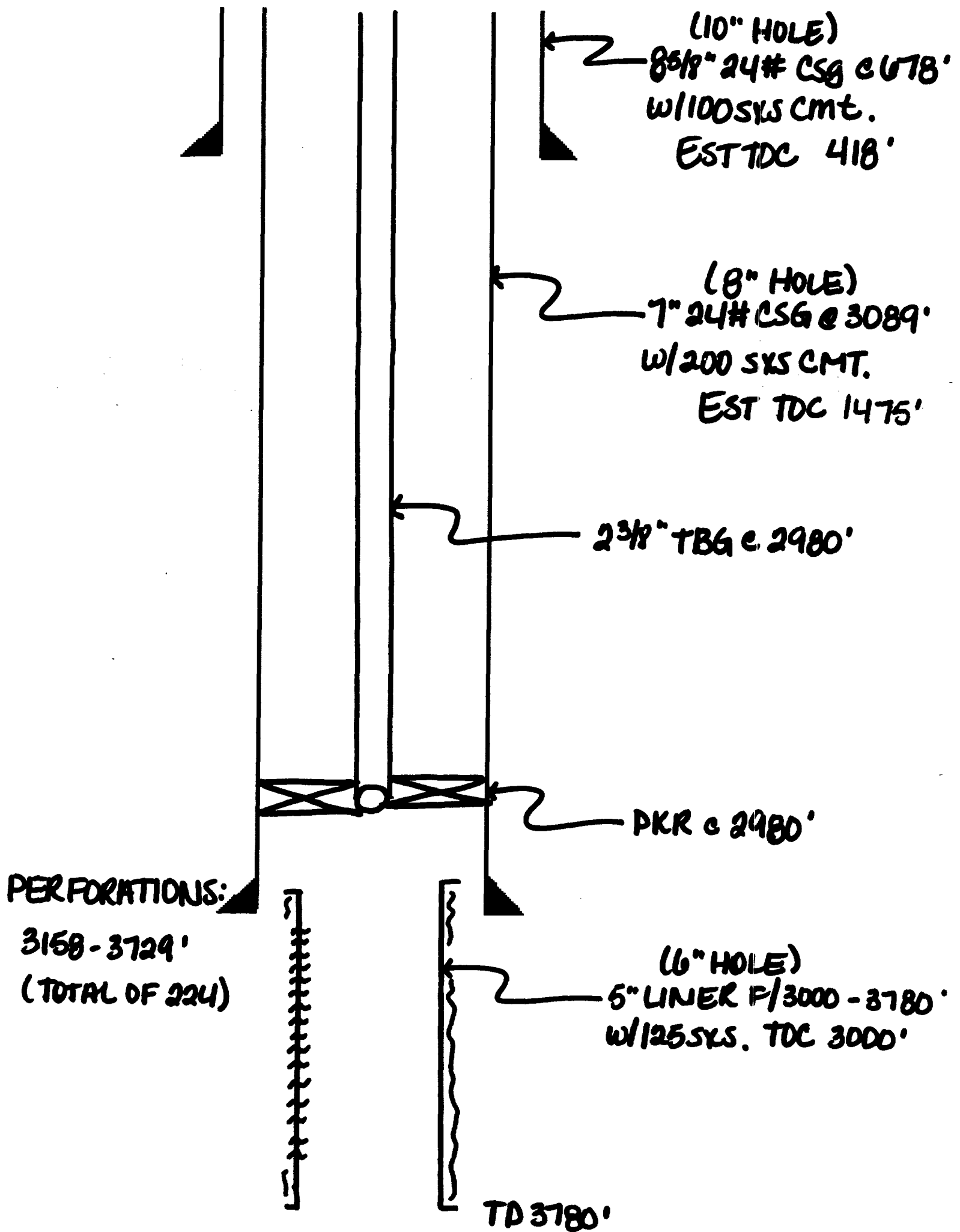
ATTACHMENT III (tabular)

Well Data

- A. (1) H.E. West "B" #9
660' FSL 660' FWL
Section 4-17S-31E
Eddy County, NM
- (2) **Surface Casing:** 8-5/8" 24#, set @ 678' w/100 sxs cmt.
Est TOC @ 418'. (11" hole)
Production Casing: 7" 20# set @ 3089' w/200 sxs cmt.
Est TOC @ 1475'. (8" hole)
Liner: 5" f/3000-3780' w/125sxs cmt. TOC @ liner top.
Please also refer to the wellbore schematic labeled Attachment III -
(schematic)
- (3) Tubing will be 2-3/8" Plastic Coated 4.7#, set @ 2985'
- (4) A Baker J-Loc Pkr will be set @ 2985'
- B. (1) The injection formations will be the Grayburg/San Andres in the
Grayburg/Jackson field.
- (2) The proposed intervals are 3083-3880'. The injection interval will be open
hole and through existing and proposed perforations 3134-3729'
- (3) This well was originally drilled and completed as an oil well and converted
to a water injection well 12/27/63.
- (4) Additional Perforations may be added in the 3134-3780" 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" #9
660' FSL and 660' FWL
Section 4-17S-31E
Eddy County, NM

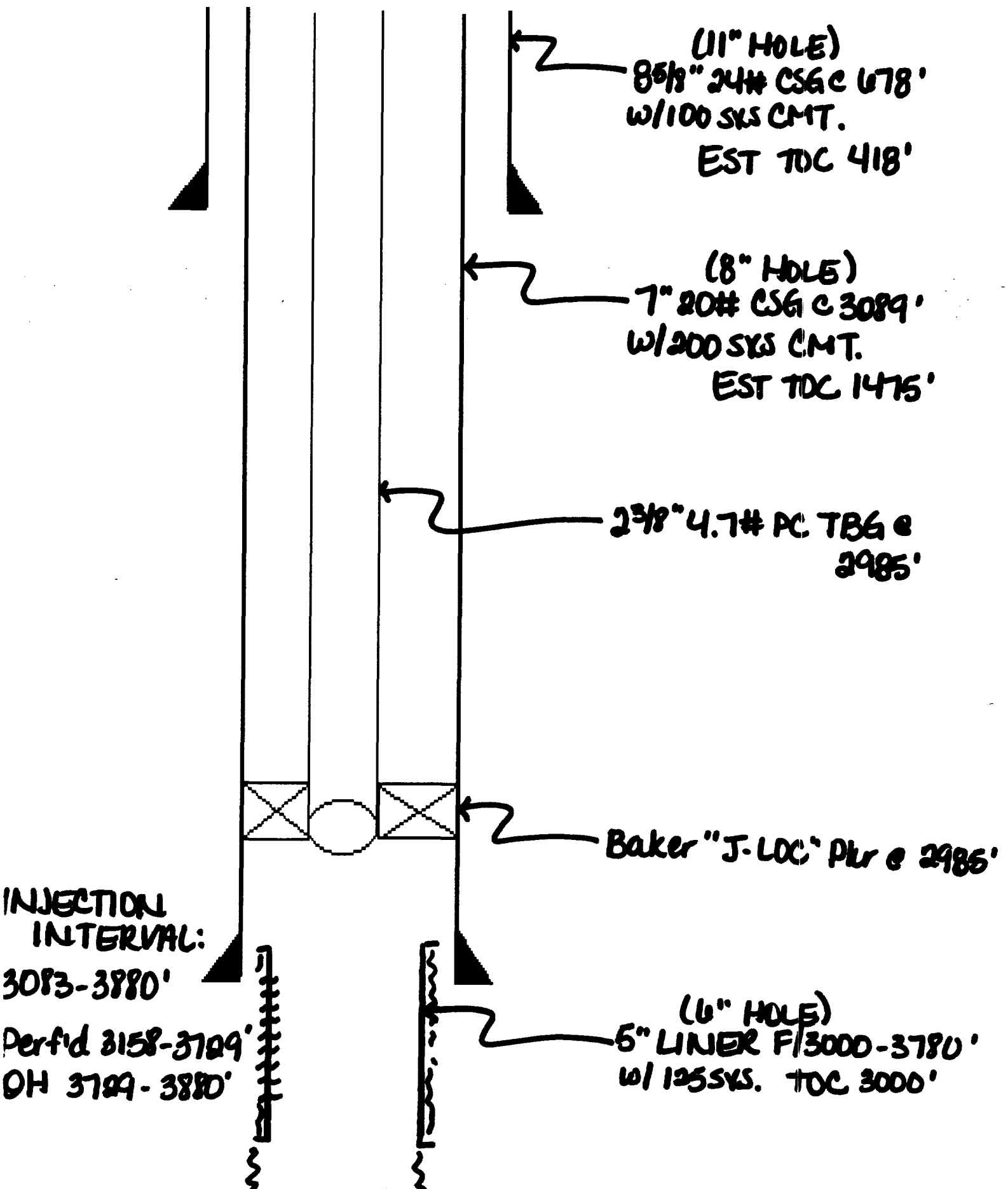


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Attachment III - Schematic

PROPOSED WELLBORE

H.E. West "B" #9
660' FSL and 660' FWL
Section 4-17S-31E
Eddy County, NM



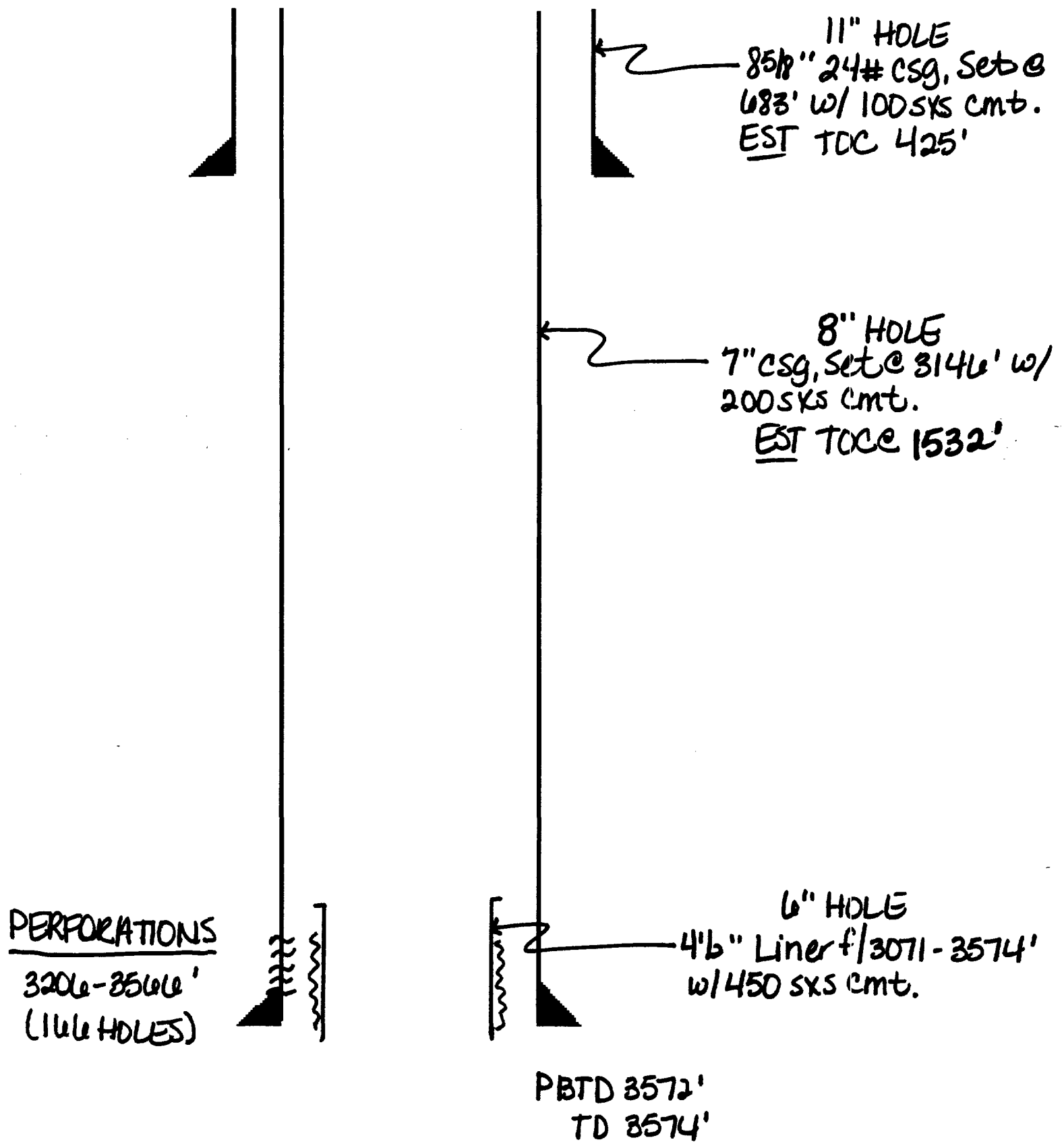
ATTACHMENT III (tabular)

Well Data

- A. (1) H.E. West "B" #11
1980' FSL 1980' FWL
Section 4-17S-31E
Eddy County, NM
- (2) **Surface Casing:** 8-5/8" 24#, set @ 683' w/100 sxs cmt.
Est TOC @ 425'. (11" hole)
Production Casing: 7" set @ 3146' w/200 sxs cmt.
Est TOC @ 1532'. (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 J-Loc packer will be set @ 2975'
- B. (1) The injection formations will be the Grayburg/San Andres in the
Grayburg/Jackson field.
- (2) The proposed intervals are 3050-3950'. The injection interval will be open
hole and through existing perforations 3206-3566'.
- (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 3050-3574' 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" #11
1980' FSL 1980' FWL
Section 4-17S-31E
Eddy County, NM

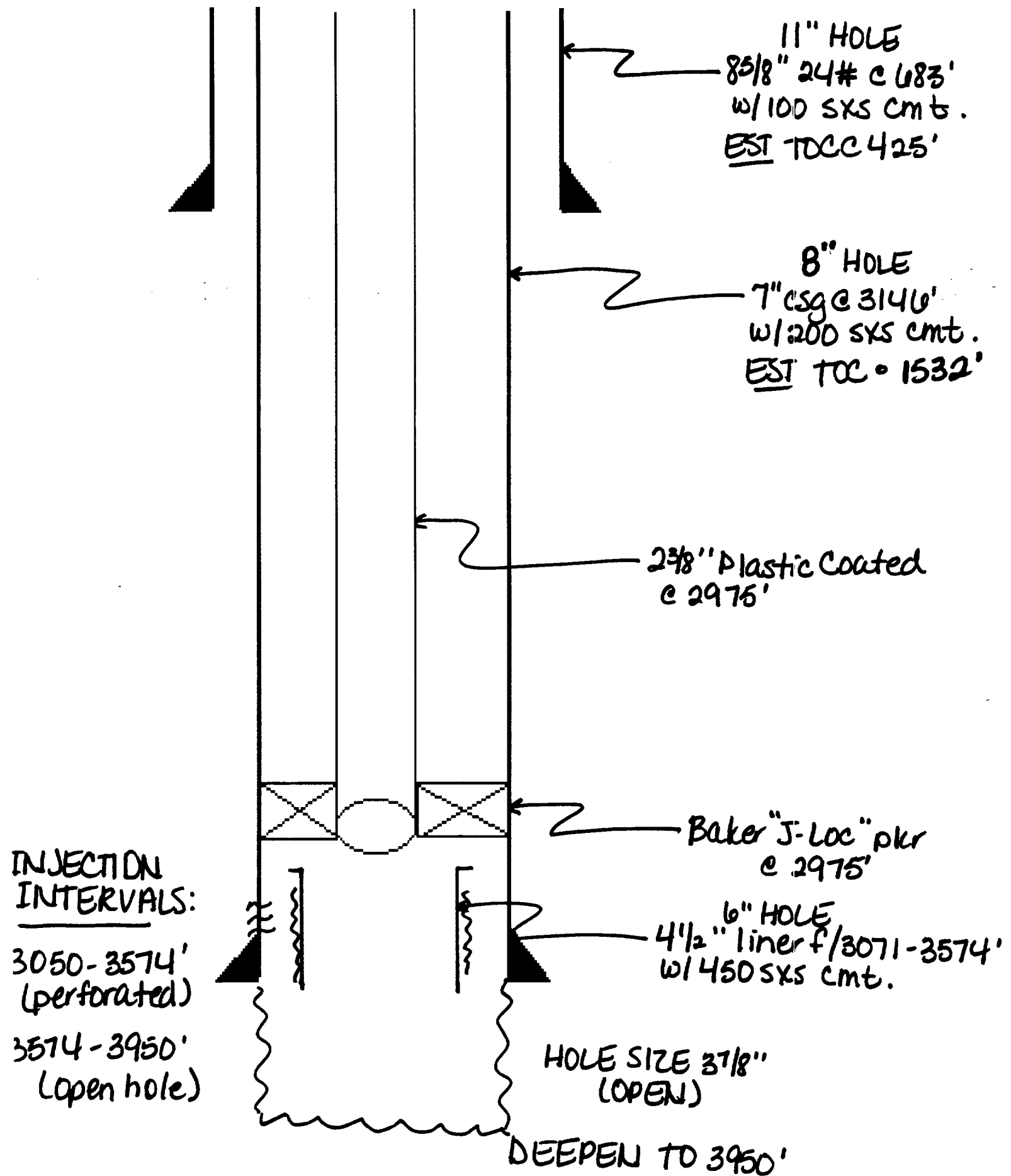


Devon Energy Operating Corporation

Attachment III - Schematic

PROPOSED WELLBORE

H.E. West "B" #11
1980' FSL 1980' FWL
Section 4-17S-31E
Eddy County, NM



Tabular Summary of Wells in "Area of Review"

Wells within "Area of Review"			
Proposed Injection Well	NAME	WELL #	Operator
West "A" #4	West B	3	DEOC
West "A" #4	West A	2	DEOC
West "A" #4	West A	7	DEOC
West "A" #4	West B	6	DEOC
West "A" #4	West B	5	DEOC
West "A" #4	West A	4	DEOC
West "A" #4	West A	6	DEOC
West "A" #4	West A	8	DEOC
West "A" #4	West B	73	DEOC
West "A" #4	West A	20	DEOC
West "A" #4	West A	24	DEOC
West "A" #4	West B	11	DEOC
West "A" #4	West A	5	DEOC
West "A" #4	West A	9	DEOC
West "B" #11	West B	3	DEOC
West "B" #11	West B	83	DEOC
West "B" #11	West B	75	DEOC
West "B" #11	West B	6	DEOC
West "B" #11	West B	5	DEOC
West "B" #11	West A	4	DEOC
West "B" #11	West B	84	DEOC
West "B" #11	West B	75	DEOC
West "B" #11	West B	86	DEOC
West "B" #11	West A	20	DEOC
West "B" #11	Keel B	16	DEOC
West "B" #11	West B	7	DEOC
West "B" #11	West B	11	DEOC
West "B" #11	West A	5	DEOC
West "B" #11	West A	9	DEOC
West "B" #11	Keel B	85	DEOC
West "B" #11	West B	87	DEOC
West "B" #11	West A	33	DEOC
West "B" #11	West A	19	DEOC
West "B" #11	West B	9	DEOC
West "B" #11	West B	27	DEOC
West "B" #11	West A	14	DEOC
West "B" #11	West B	77	DEOC
West "B" #11	West B	64	DEOC
West "B" #11	West B	29	DEOC
West "B" #6	Keel B	9	DEOC
West "B" #6	Keel B	16	DEOC
West "B" #6	Keel B	44	DEOC
West "B" #6	Keel B	45	DEOC
West "B" #6	Keel B	68	DEOC
West "B" #6	Keel B	70	DEOC
West "B" #6	Keel B	72	DEOC

West "B" #6	Keel B	84	DEOC
West "B" #6	Keel B	85	DEOC
West "B" #6	West B	3	DEOC
West "B" #6	West B	4	DEOC
West "B" #6	West B	5	DEOC
West "B" #6	West B	7	DEOC
West "B" #6	West B	9	DEOC
West "B" #6	West B	11	DEOC
West "B" #6	West B	73	DEOC
West "B" #6	West B	74	DEOC
West "B" #6	West B	83	DEOC
West "B" #6	West B	84	DEOC
West "B" #6	West B	86	DEOC
West "B" #6	West B	87	DEOC
West "B" #6	West A	4	DEOC
West "B" #6	M 33	4	Newmont
West "B" #6	West A	34	DEOC
West "B" #9	Keel B	12	DEOC
West "B" #9	Keel B	13	DEOC
West "B" #9	Keel B	14	DEOC
West "B" #9	Keel B	18	DEOC
West "B" #9	Keel B	50	DEOC
West "B" #9	Keel B	72	DEOC
West "B" #9	Keel B	74	DEOC
West "B" #9	Keel B	85	DEOC
West "B" #9	Keel B	87	DEOC
West "B" #9	Keel B	89	DEOC
West "B" #9	West B	5	DEOC
West "B" #9	West B	6	DEOC
West "B" #9	West B	7	DEOC
West "B" #9	West B	9	DEOC
West "B" #9	West B	10	DEOC
West "B" #9	West B	11	DEOC
West "B" #9	West B	27	DEOC
West "B" #9	West B	29	DEOC
West "B" #9	West B	64	DEOC
West "B" #9	West B	73	DEOC
West "B" #9	West B	77	DEOC
West "B" #9	West B	78	DEOC
West "B" #9	West B	84	DEOC
West "B" #9	West B	87	DEOC
West "B" #9	West B	88	DEOC
West "B" #9	West A	14	DEOC
West "B" #9	West A	33	DEOC

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
J. L. Keel "B" #9	"H" 1980' FNL 660' FEL Sec. 5-17S-31E	6/20/51	8/23/51	Oil	3500'	10-3/4" 32.75# csg @ 660' w/100 sxs cmt, Est TOC @ 309'. 7" 24# csg @ 3082' w/200 sxs cmt, Est TOC 2204'.
J. L. Keel "B" #12	"A" 660' FNL 660' FEL Sec. 8-17S-31E	10/17/52	1/29/52	Oil	3551'	10-3/4" 32.75# @ 620 w/100 sxs cmt, Est TOC 393' 7" 20# @ 3036' w/200 sxs cmt, Est TOC 2158' 2-1/2" 6.75# @ 3150'. Zones: 3145-51', 3360-65', 3430-3441'. 5" liner @ f/2937 to 3730' w/150 sxs cmt, TOC on liner est @ 2937'. Perfd 3088-3676' w/a total of 200 holes.
J. L. Keel "B" #13	660' FSL 1980' FEL Sec. 5-17S-31E	12/27/63	1/22/64	WIW	3737' PBTD 3715'	8-5/8" Spiral Weld csg @ 609' w/100 sxs cmt in 10" hole. Est TOC 449' 7" 20# csg @ 2992' in 8-5/8" hole w/200 sxs cmt, Est TOC 2114' 5" liner f/2942-3735' w/200 sxs cmt, (circ). 2-3/8" tbg @ 3004' w/pkr. Perfs 3045-3714' total of 174 3/8" jet shots.
J. L. Keel "B" #14	660' FSL 660' FEL Sec. 5-17S-31E	2/4/52	4/24/52	Oil	3550'	8-5/8" Spiral Weld @ 654' w/100 sxs cmt, Est TOC (10" hole) 181' 7" 20# @ 3059' w/200 sxs cmt, Est TOC (8" hole) 1446' 2-1/2" 6.5# @ 3397'. Zones: 3516-20', 3320-3390'. 2-7/8" tbg @ 3147'. Completed open hole. 3054-3728'.
J. L. Keel "B" #15	"H" 1980' FNL 660' FEL Sec. 8-17S-31E	4/16/52	7/8/52	Oil	3500'	8-5/8" csg @ 777' w/100 sxs cmt, TOC est @ 617'. 7" @ 3075' w/200 sxs cmt TOC Est @ 1461'. 2-1/2" @ 3165'. Zone: 3075-3500' OH. POOH w/3077' tbg. Cmt retr set @ 2967'. Spid 260' "H" cmt on to of retr. Spt 100' cmt f/1595-1695'. Perfd 2 JS @ 700'. Set Cmt retr @ 650'. Cmt'd thru retr w/235 sxs cl "H". Pmpd 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" #16	"I" 1980' FSL 660' FEL Sec. 5-17S-31E	5/1/52	7/9/52	Oil	3510'	8-5/8" 24# csg @ 643' w/100 sxs cmt, 7" 26# @ 3081' w/200 sxs cmt, 2-1/2" at 3295'. CO to 3350'. Zones: 3278-3289', 3324-32'. Deepen to 3780'. Cmt'd 5" liner f/3002-3765'. Perfd 3140-3756' (164), set 2-3/8" tbg @ 3113' w/pkr. Conv to wtr inj well. POOH, L/D 2-3/8" tbg w/pkr. Set 5" CIBP @ 3090' on WL. Set 7" FBRC pkr @ 1535'. Set 7" CIBP @ 2895'. Spid 25 sxs cl "C" @ 2895-2765' & 2080-1950' & 1400-1270'. WIH w/CR, Set @ 735', Cmt w/200 sxs cl "C" Dmpd 60' cmt on CR. Perfd 4 holes @ 600'. Est inj into perfs @ 600' w/reins Cmt'd 7" csg & 7" x 8-5/8" ann f/surf - 600' w/ 215 sxs cl "C". CO WH. Inst Dryhole mkr. 10' cmt plug @ surf.

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
J.L. Keel "B" #18	"D"	12/19/54	2/4/54	Oil	3232'	8-5/8" 24# @ 504' in 12-1/4" hole w/300 sxs cmt, TOC surf. 5-1/2" 17# @ 3916' in 7-7/8" hole w/900 sxs HLC + 350 sxs "C". TOC Surf 2" @ 2815'. Zone: 2985-3232'.
	660' FNL					
	660' FWL					
	Sec. 8-17S-31E		6/16/95	W/W	3810'	4-1/2" 11.6# K-55 @ 3809' (6-1/4" hole) w/400 sxs cmt, TOC Surf. 2-3/8"
					PBTD 3766'	tbq w/pkr @ 2823'. Perfd 2879-3342' and 3450-3701' w/59 holes.
J.L. Keel "B" #44	"A"	1/31/89	3/24/89	Oil	3916'	10-3/4" 32.75# csg @ w/100 sxs cmt, Est TOC @ ' 7" 24# csg @
	660' FNL				PBTD 3800'	3082' w/200 sxs cmt, Est TOC 2204'.
	660' FEL					2-3/8" tbq OE @ 3732'.
	Sec. 5-17S-31E					Perfd 3641-3374' 194 holes.
J.L. Keel "B" #45	"G"	2/13/89	3/30/89	Oil	3883'	8-5/8" 24# @ 464' in 12-1/4" hole w/300 sxs cmt, Est TOC
	1930' FNL				PBTD 3828'	5-1/2" 17# @ 3883' in 7-7/8" hole w/1150 sxs HCL + 350 sxs "C" Est TOC
	1830' FEL					2-3/8" tbq @ 3731' (OE)
	Sec. 5-17S-31E					Perfs: 3136-3730' = 149 holes.
J.L. Keel "B" #50	"P"	12/7/94	3/8/95	Oil	4167'	8-5/8" 24# @ 482' in 12-1/4" hole w/365 sxs cmt, TOC Surf
	1310' FSL				PBTD 4112'	5-1/2" 15.5# @ 4166' in 7-7/8" hole w/1425 sxs cmt, TOC Surf
	1310' FEL					2-7/8" OET @ 3903'.
	Sec. 5-17S-31E					Perfs: 3041-3852' (54 holes)
J.L. Keel "B" #68	"A"	10/1/95	11/4/95	Oil	4265'	8-5/8" 24# @ 506' in 12-1/4" hole w/380 sxs cmt, TOC Surf
	1250' FNL				PBTD 4217'	5-1/2" 15.5# @ 4264' in 7-7/8" hole w/975 sxs cmt. TOC Surf.
	1300' FEL					2-7/8" tbq OE @ 4182'.
	Sec. 5-17S-31E					Perfs: 3131-4098' = 72 holes.
J.L. Keel "B" #70	"H"	9/21/96	10/27/95	Oil	4325'	8-5/8" J-55 24# @ 550' in 12-1/4" hole w/380 sxs cmt, TOC Surf
	1338' FNL				PBTD 4279'	5-1/2" J-55 15.5# @ 4324' in 7-7/8" hole w/1175 sxs cmt, TOC Surf.
	40' FEL					2-7/8" tbq @ 4117' OE
	Sec. 5-17S-31E					Perfs: 3223-4087' = 77 holes
J.L. Keel "B" #72	"I"	9/6/95	10/3/95	Oil	4065'	14" cond @ 40'. 8-5/8" J-55 24# @ 514' in 12-1/4" hole. w/380 sxs cmt, TOC surf.
	2230' FSL				PBTD 4018	5-1/2" J-55 15.5# @ 4064' in 7-7/8" hole w/825 sxs cmt. TOC Surf.
	760' FEL					2-7/8" tbq OE @ 3792.93'.
	Sec. 5-17S-31E					Perfs: 3153-3740' = 50

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
J.L. Keel "B" #74	"B"	8/1/95	9/11/95	Oil	4235	8-5/8" J-55 24# @ 464' in 12-1/4" hole w/500 sxs cmt, TOC Surf.
	338' FNL				PBTD 4187	5-1/2" J-55 15.5# @ 4234' in 7-7/8" hole w/1350 sxs cmt. TOC surf.
	1455' FEL					2-7/8" @ 4099' OE.
	Sec. 8-17S-31E					Perfs: 3130-4022' (71 holes)
J.L. Keel "B" #84	"H"	7/3/95	8/13/95	Oil	4220'	8-5/8" 24# @ 438' w/350 sxs cmt, TOC Surf
	2598' FNL				PBTD 4171'	5-1/2" 15.5# @ 4219' w/900 sxs cmt, TOC Surf
	1293' FEL					2-7/8" OET @ 4093'.
	Sec. 5-17S-31E					Perfs: 3135-4066' (84 holes)
J.L. Keel "B" #85	"I"	8/29/95	10/15/95	Oil	4290'	10-3/4" 32.75# csg @ w/100 sxs cmt, Est TOC @ 1, 7" 24# csg @
	1341' FSL				PBTD 4242'	3082' w/200 sxs cmt, Est TOC 2204'.
	10' FEL					2-7/8" @ 4118' OE.
	Sec. 5-17S-31E					Perfs: 3153-4061' (65 holes)
J.L. Keel "B" #87	"A"	8/20/95	8/27/95	Oil	4275'	8-5/8" 24# @ 513' in 12-1/4" hole w/380 sxs cmt, TOC Surf
	40' FNL				PBTD 4176'	5-1/2" 15.5# @ 4274' in 7-7/8" hole w/1500 sxs cmt, TOC Surf.
	40' FEL					2-7/8" OET @ 4108.72'.
	Sec. 8-17S-31E					Perfs: 3113-4069' (63 holes)
J.L. Keel "B" #89	"A"	8/11/95	9/27/95	Oil	4290'	8-5/8" 24# @ 519' in 12-1/4" hole w/500 sxs cmt. TOC Surf.
	1194' FNL				PBTD 4245'	5-1/2" 15.5# @ 4289' in 7-7/8" hole w/1540 sxs cmt. TOC Surf.
	100' FEL					2-7/8" @ 4127' OE.
	Sec. 8-17S-31E					Perfs: 3177-4033' (66 holes)

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "A" #2	"B"	2/5/48	3/21/48	Oil	3494'	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'.
Current Status:	660' FNL 1980' FEL					Shot f/3407-82' w/ 4-1/2" shell. C.O f/3455-92' w/cable tools, set pkr @ 3285'. Ran 3155' of 2-1/2" tbg.
Oil Well	Sec. 4-17S-31E		11/53 04/66 05/66 01/91			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.
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'.
Current Status:	1980' FNL 1980' FEL					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'. Perf'd 3331-3604' w/132 holes 2" tbg @ 3600'. Inj 202 BW into perfs below pkr @ 3404'. 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	8/23/62	9/19/62	DW/IV		
			9/12/63	TW/IV		
			5/6/81	SW/IV		
			09/92	TAd		
H.E. West "A" #5	"J"	10/20/54	12/23/54	Oil	3650'	8-5/8" @ 695' w/100 sxs cmt, TOC Surf 7" @ 3169' w/200 sxs cmt, TOC 1500'. 2" @ 3398'. 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. Perf'd 2 JSPF @ 695', set pkr @ 582'. Circ cmt thru csg ann, POOH w/pkr. CO to 3650' SN @ 3170'. Deepen to 4070', Ran 4-1/2" 11.6# csg, set @ 4070, cmt'd w/365 sxs, TOC surf. Perf'd 53 holes f/3170-3580'.
Current Status:	1980' FSL 1980' FEL					
Wtr Injection	Sec. 4-17S-31E		02/85			
			03/95	W/IV	4070'	
					PBTD 4016	

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "A" #6	"H" 1980' FNL	1/2/55	2/12/55	Oil	3369'	10-3/4" 32.75# csg @ 740' w/100 sxs cmt, Est TOC @580'; 7" 24# csg @ 3220' w/200 sxs cmt, Est TOC 2407'
Current Status:	660' FEL					2-3/8" tbq @ 3213'.
Oil Well	Sec. 4-17S-31E					Formation: 3356-63'
		8/24/63	8/4/63		3870'	Deepen to 3870'. formation: 3356-3870'.
H.E. West "A" #7	"A" 660' FNL	5/8/55	6/17/55	Oil	3386'	8-5/8" 24# set @ 760' w/100 sxs cmt, TOC est @ 600'
Current Status:	660' FEL		09/62	WIW		5-1/2" 15.5# set @ 3234' w/200 sxs cmt, TOC est @ 2576'. Ran tbq to 3328'.
Wtr Injection	Sec. 4-17S-31E		10/62			Convert to wtr injection well
			08/63		3833'	Pulled rods & tbq, Ran tbq & pkr to 3100'. Started injection wtr.
						Deepened f/3386-3883, Ran 2" tbq & pkr to 3750-3825'. Run tbq & pkr to 3279'.
			02/65			Inj. 142 dbl wtr into opn hole 3234-3883'.
						PB f/3880' to 3700' w/frac sd.
H.E. West "A" #8	"E" 1980' FNL	8/55/55	9/18/55	Oil	3404'	8-5/8" 24# set @ 769' w/100 sxs cmt, TOC est @ 609'
Current Status:	660' FWL					5-1/2" set @ 3246' w/200 sxs cmt, TOC est @ 2484'.
Wtr Injection	Sec. 3-17S-31E					2" @ 3360'.
			09/62	WIW		Formations: 3386-3404'
			08/63			Pulled rods & tbq, Ran 2" tbq & pkr to 3140', started wtr injection
			02/65			Pulled rods & tbq, Ran 2" tbq & pkr to 3100', set pkr @ 3770-3844'.
			04/82	P&A	PBTD 3750'	PB to 3750' w/SBP
			08/89		3901'	Plugged and abandoned effective 4/23/82
			10/89	WIW		Reentered & dtd to 3901', Set RBP @ 2150'.
						Drd out rel. 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 & tbq, set @
						2834'. Well ready for injection. (2-3/8" liner f/3022-3901' w/100 sxs).
H.E. West "A" #9	"I" 1980' FSL	10/19/55	11/26/55	Oil	3375'	8-5/8" set @ 719' w/100 sxs, TOC est @ 280'
Current Status:	660' FEL					7" set @ 3198' w/200 sxs, TOC est @ 2440'.
Wtr Injection	Sec. 4-17S-31E					2" to 3353'
			08/62	WIW		Formation: 3345-48' and 3362-70'.
			08/63	WIW	3868'	Ran 2" tbq & pkr to 3105'. Ld the wtr. Started wtr injection.
			02/65		PBTD 3700'	Deepen to 3868'. pkr & tbq to 3164'. Completed as an injection well.
			04/82	P&A		PB f/3868' to 3700' w/BP
			10/89	WIW		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 & tbq @ 3205', Ready for inj.

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
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		02/95	W/W		2-7/8" @ 3774'
	Sec. 4-17S-31E					Drld out CIBP @ 3828' & CO to 3926', Perf 3886-3906',
						Set pkr @ 3065', Convert to Injection Well
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" #20	"P"	11/14/94	1/25/95	Oil	4325'	8-5/8" @ 606' w/365 sxs cmt, TOC surf
Current Status:	2525' FSL					5-1/2" @ 4324' w/675 sxs 35/65 poz + 425 sxs "C", TOC surf
Oil Well	1305' FEL					2-7/8" @ 4257' (OET)
	Sec. 4-17S-31E					Formations: Slaughter f/4017-4246', San Andres 3617-3878', Grayburg
						f/3276-3503'.
H.E. West "A" #24	"A"	8/27/94	12/16/94	Oil	4380'	8-5/8" FC @ 528' cmt w/365 sxs cmt, TOC Surf.
Current Status:	2625' FNL				PBTD 4345'	5-1/2" FC @ 4345.75' w/955 sxs 35/65 poz & 510 sxs cl "C", TOC Surf
Oil Well	15' FEL					Formations: Slaughter 4108-4222' (21 holes), San Andres: 3650-3925' (22 holes).
	Sec. 4-17S-31E					

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
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				PBTD 4237'	5-1/2" 15.5# @ 4284' w/850 sxs "H" poz & 350 RFC. TOC surf.
	2675' FWL					2-7/8" @ 4236' (OET)
Oil Well	Sec. 4-17S-31E					Formation: Slaughter f/3974-4211' (23 holes); Jackson f/3979-3901' (18);
						Vacuum & Lovington f/3521-3628' (9), Grayburg f/3275-3462'.
H.E. West "A" #34	"G"	10/29/95	11/19/95	Oil	4365'	8-5/8" J-55 24# @ 612' in 12-1/4" hole w/400 sxs cmt, TOC Surf.
	1334' FNL				PBTD 4318'	5-1/2" J-55 15.5# @ 4364' in 7-7/8" hole w/975 sxs cmt, TOC Surf.
	2622' FEL					2-7/8" @ 4035'. OE
	Sec. 4-17S-31E					Perts: 3244-3972' (49 holes)

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "B" #3	"C"	8/14/64	9/7/64	Inj	3800'	10-3/4" 32.75# csg @ 714' w/100 sxs cmt, Est TOC @ 488'. 7" 24# csg @ 3291' w/200 sxs cmt, Est TOC @ 2158'.
	660' FNL				PBTD 3755'	4-1/2" liner f/3227-3799' w/755 sxs cmt, Est TOL @ top
	1980' FWL					2-3/8" tbg @ 3307' w/pkr set @ 3311'.
	Sec. 4-17S-31E					Perfd" 3210-3426' (132 holes)
H.E. West "B" #4	"D"	6/7/46	10/2/46	Oil	3429'	8-5/8" csg @ 666' cmt w/125 sxs. Est TOC @ 466'
	660' FNL					7" csg @ 3097' w/125 sxs. Est TOC @ 2548'
	660' FWL					Zone: 3285-3327'.
	Sec. 4-17S-31E		5/16/81	P&A		POOH w/tbg @ 3001'. Set cmt retr @ 3007'. Pmpd 150 sxs cl "C" cmt
						TOC @ 1860'. Perfd 2 USPF @ 1818-1820'. Set pkr @ 1761'.
						Set cmt retr @ 1759'. Pmpd 250 sxs cl "C". TOC @ 1600'. Pmpd 100 sxs
						between 8-5/8" x 7" ann. Spot 20 sxs cl "C" in 7" csg 682-582' (100') plug.
						Spot 60' cl "C" cmt plug @ surf. CO WH, inst marker, Well P&A
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
	1980' FNL					7" 26# set @ 3186' w/150 sxs TOC surf.
Current Status:	1980' FWL					2-1/2" tbg # 3266'. Pkr @ 3463'.
Oil Well	Sec. 4-17S-31E					Formation: 3331-3487'.
			07/63	Pmpg Oil	3841'	Deepen well to 3841'. Pulled pkrs & RR 2-7/8" tbg to 3200'. (well on pmp)
			09/66	Oil		4-1/2" liner hung f/3105-3794', squeezed w/300 sxs. Csg scrapper 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'.
	2005' FNL					7" set 3123' w/200 sxs. TOC est @ 2310'
Current Status:	660' FWL					2" tbg set @ 3141'.
Wtr Injection	Sec. 4-17S-31E					Formation: 3286-97'.
		11/8/52	11/28/52			Deepen to 3556'. Formation: 3526-38' 2" 4 7# tbg set to 3390'.
				Oil	3556'	Pulled rods & tbg, ran logs. Ld hole w/wtr. Started injecting wtr 300 BPM.
				09/62	W/IV	Set 511' of 4-1/2" liner w/150 sxs cmt. f/3043-3554'. Squeeze liner @ 3060'
				09/64	DW/IV	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. Comp as a dual W/IV
				06/80	SW/IV	POOH w/tbg & pkr. Inst BOP. R/H & set pkr @ 3112'. Return to inj 5/14/80

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
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	1980' FWL					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/118 holes.
	Sec. 4-17S-31E		2/7/64	Oil	PBTD 3885'	Perfs: 3180-3546' w/118 holes.
			11/29/63	Oil		Began pumping.
H.E. West "B" #29	"C"	12/11/63	1/22/64	Oil	3610'	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'.
Current Status:	660' FNL					Set CIBP @ 3600' w/1 sx cmt. Ran 2" tbg & pkr, Set @ 3168'. Conv to
Wtr Injection	1980' FWL			WIW		wtr injection well. (thru perfs 3232-3462').
	Sec. 9-17S-31E		8/15/89	WIW	PBTD 3600'	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
H.E. West "B" #64	"B"	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				PBTD 3950'	w/1625 sxs cmt, TOC surf. 2-7/8" @ 3905' OE. 4000' 4 squeeze holes,
Oil Well	2625' FEL					Perf San Andres 3566-3890' Perf Grayburg
	Sec. 9-17S-31E					3322-3440'
H.E. West "B" #73	"E"	10/27/94	2/5/95	Oil	4248'	8-5/8" 24# set @ 599' w/165 sxs cmt to surf.
Current Status:	2610' FNL				PBTD 3970'	5-1/2" 15.5# set @ 4247' w/950 sxs, TOC surf.
Oil Well	1270' FWL					2-7/8" OET @ 3946'
	Sec. 4-17S-31E					Slaughter: f/3985-4160' (20 holes) Jackson: f/3683-3889' (22 holes)
						Vacuum & Lovington f/3461-3543' (18 holes) Grayburg f/3164-3411'.
H.E. West "B" #74	"D"	10/11/95	12/20/95	Oil	4075'	8-5/8" J-55# 24# @ 521' in 12-1/4" hole w/390 sxs cmt, TOC Surf.
	686' FNL				PBTD 4028'	5-1/2" J-55 15.5# @ 4074' in 7-7/8" hole w/1150 sxs cmt, TOC Surf.
	654' FWL					2-7/8" Tbg @ 3971'. OE
	Sec. 4-17S-31E					Perfs: 3186-3910' (49 holes)

Well Name	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD	Completion Record
H.E. West "B" 86	"K"	4/1/95	5/17/95	Oil	4360'	8-5/8" 24# @ 607' w/325 sxs cmt, TOC Surf
	2588' FSL				PBTD 4320'	5-1/2" 15.5# @ 4359' w/1325 sxs cmt, TOC Surf.
	2526' FWL					2-7/8" OET @ 4297.85'
	Sec. 4-17S-31E					Perfs: 3162-4167' (58)
H.E. West "B" 87	"M"	10/18/95	12/9/95	Oil	4345'	8-5/8" 24# @ 545' w/450 sxs cmt, TOC Surf
	1310' FSL				PBTD 4298'	5-1/2" 15.5# @ 4344' w/1150 sxs cmt, TOC Surf
	1308' FWL					2-7/8" OET @ 4147'
	Sec. 4-17S-31E					Perfs: 3120-4089' (66 holes)
H.E. West "B" 88	"D"	11/10/95	12/21/95	Oil	4345'	8-5/8" 24# @ 551' w/380 sxs cmt, TOC Surf
	1309' FNL				PBTD 4297'	5-1/2" 15.5# @ 4344' w/1565 and 380 sxs cmt, TOC Surf.
	1310' FWL					2-7/8" OET @ 3943'
	Sec. 9-17S-31E					Perfs: 3172-3882' (44 holes)

NON-OPERATED WELLS IN AREA OF REVIEW						
Well Name	Operator	Location	Spud Date	Completion Date	Type of Well	Depth/PBTD
Johnson "B" #14	Suppes, GB	510' FSL	5/20/48	7/18/48	D&A	3798'
		2130' FEL				See attached plugging schematic
		Sec. 33-16S-31E				
Johnson #16	Mercury Prod Co.	330' FSL	6/6/55	7/24/55	Oil	3597'
		2310' FEL				8-5/8" @ 583' w/50 sxs cmt, TOC Est @ 503'
		Sec. 33-17S-31E				5-1/2" @ 3561' w/50 sxs cmt, TOC Est @ 3370'
						IP: 3428-3597' 47 BOPD.

ATTACHMENT VI

Well Information and Downhole Schematics

Plugged and Abandoned Wells within Area of Review

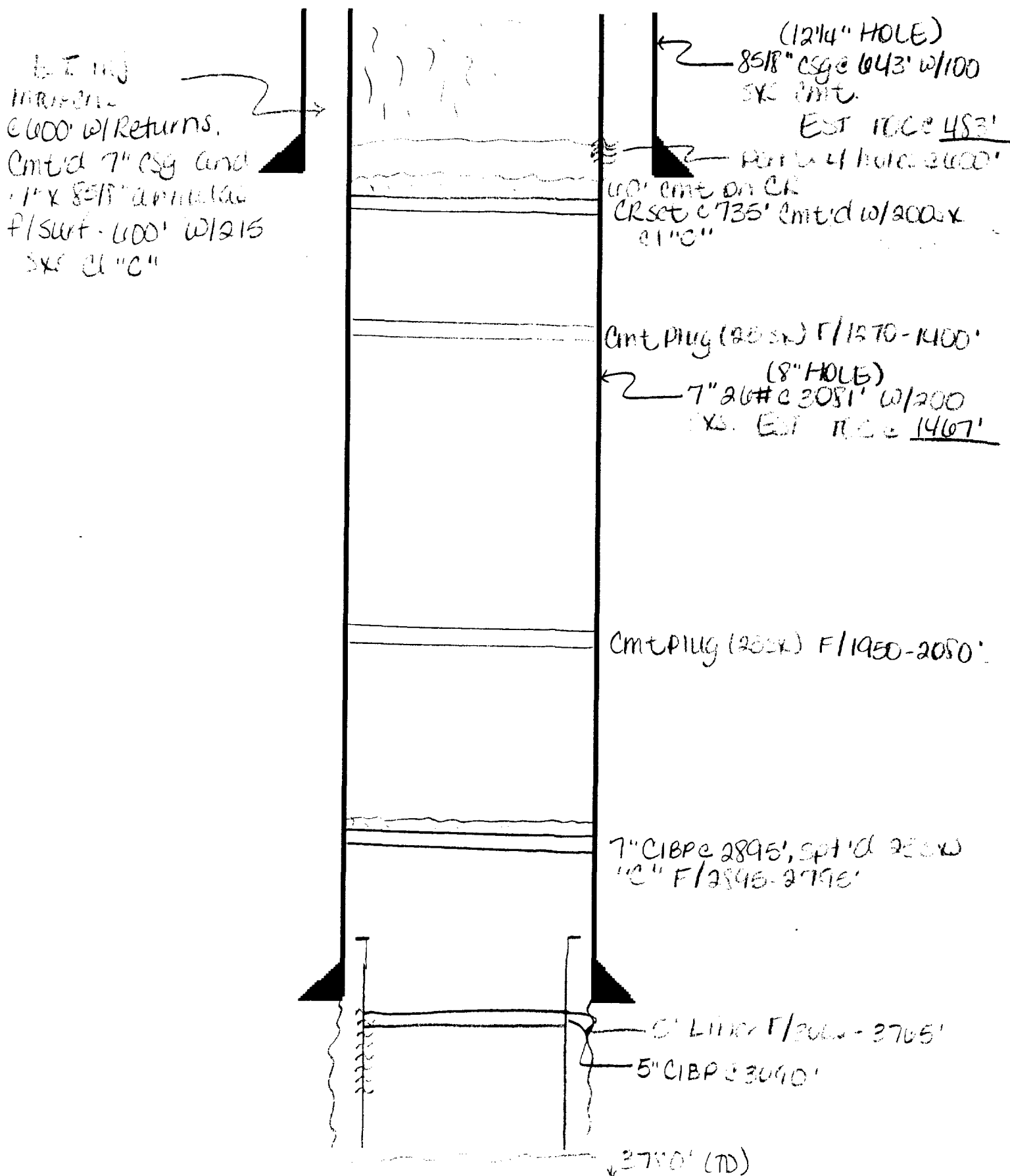
Devon Energy Corporation

Grayburg/Jackson Waterflood Project

Well Name: J.L. Keel "B" #16
Location: Section 5-17S-31E
Operator (at time of plugging): ARCO Oil and Gas Company
Date Plugged: 5/24/86
Information Obtained From: BLM Sundry Notice

Comments: CIBP @ 3090', CIBP @ 2895' w/25 sxs cmt on top. 25 sxs cmt plug f/1950-2080'. 25 sx cmt plug f/1270-1400'. CR 735' w/60' on CR. **Perf'd 4 holes** @ 600' cmt inside & outside of 7" csg to surface w/215 sxs. C/O WH. Inst dry hole marker & 10' cmt plug @ surf.

Downhole Schematic:

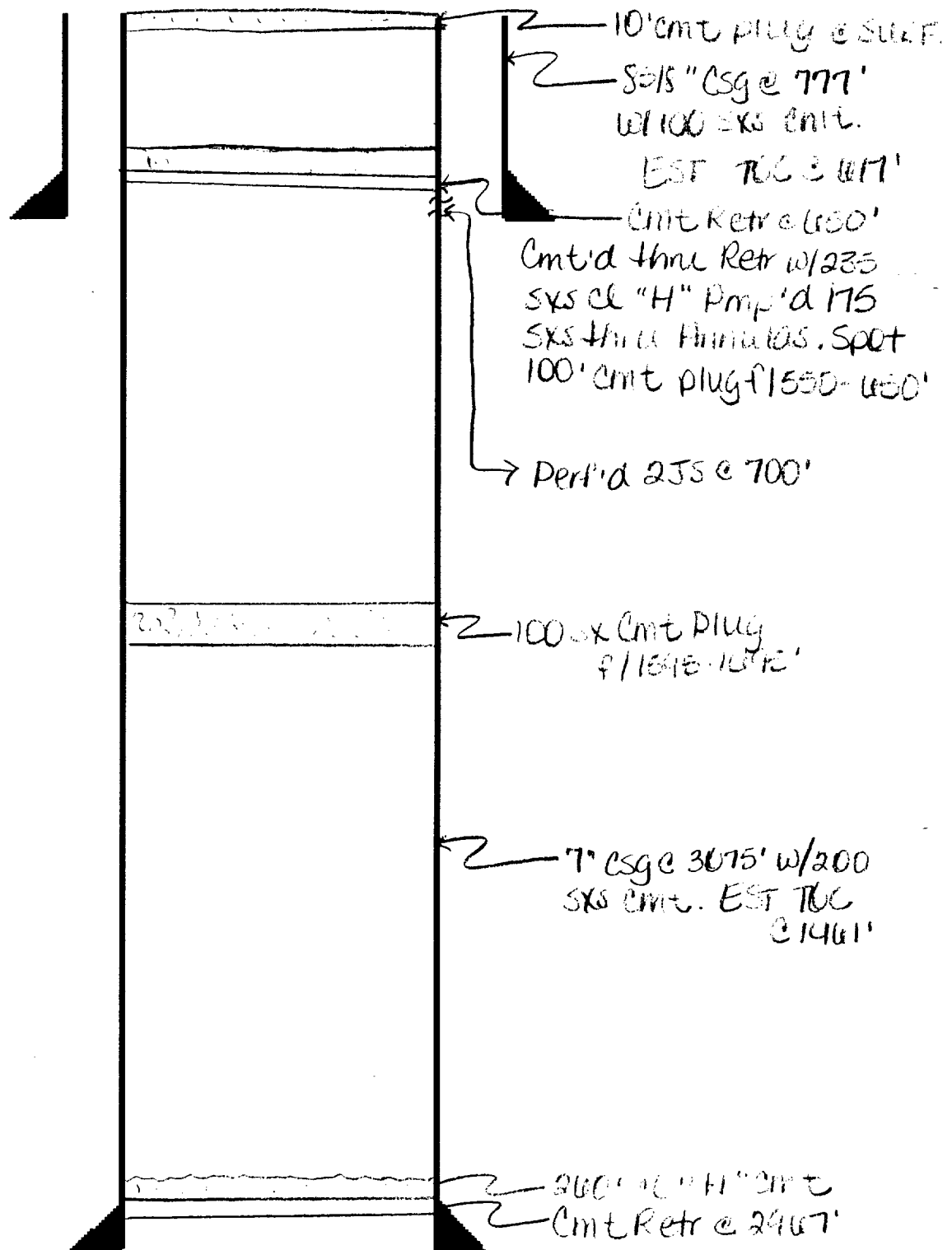


ATTACHMENT VI
Well Information and Downhole Schematics
Plugged and Abandoned Wells within Area of Review
Devon Energy Corporation
Grayburg/Jackson Waterflood Project

Well Name: J.L. Keel "B" #15
Location: Section 8-17S-31E
Operator (at time of plugging):
Date Plugged: 9/24/81
Information Obtained From: BLM Sundry Notice

Comments: POOH w/3077' tbg. Cmt retr set @ 2967'. Spotted 260' cl "H" cmt on top 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. Inst dry hole mrkr. Well P&A.

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

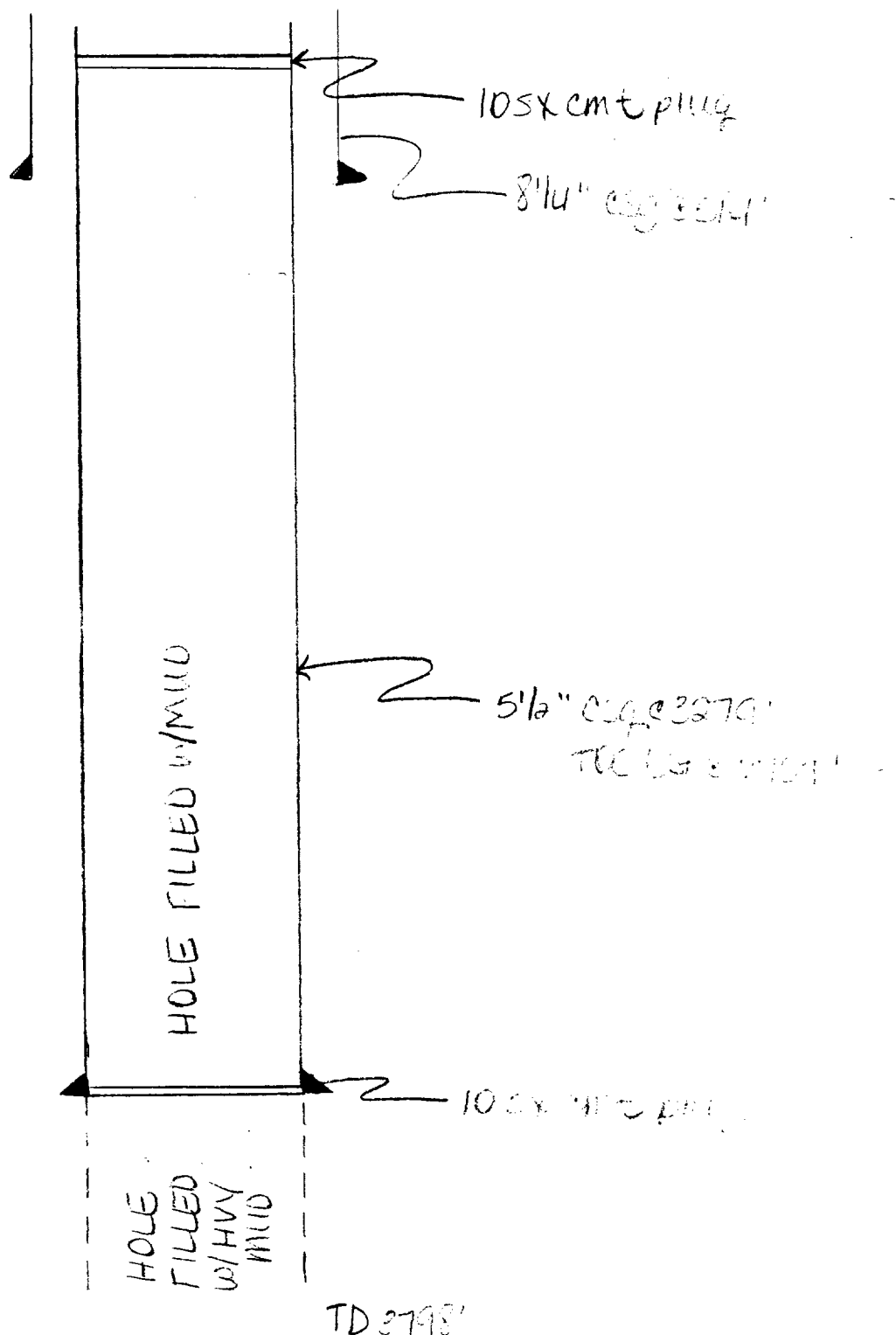
Operator (at time of plugging): Suppes

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 VI

Well Information and Downhole Schematics

Plugged and Abandoned Wells within Area of Review

Devon Energy Corporation

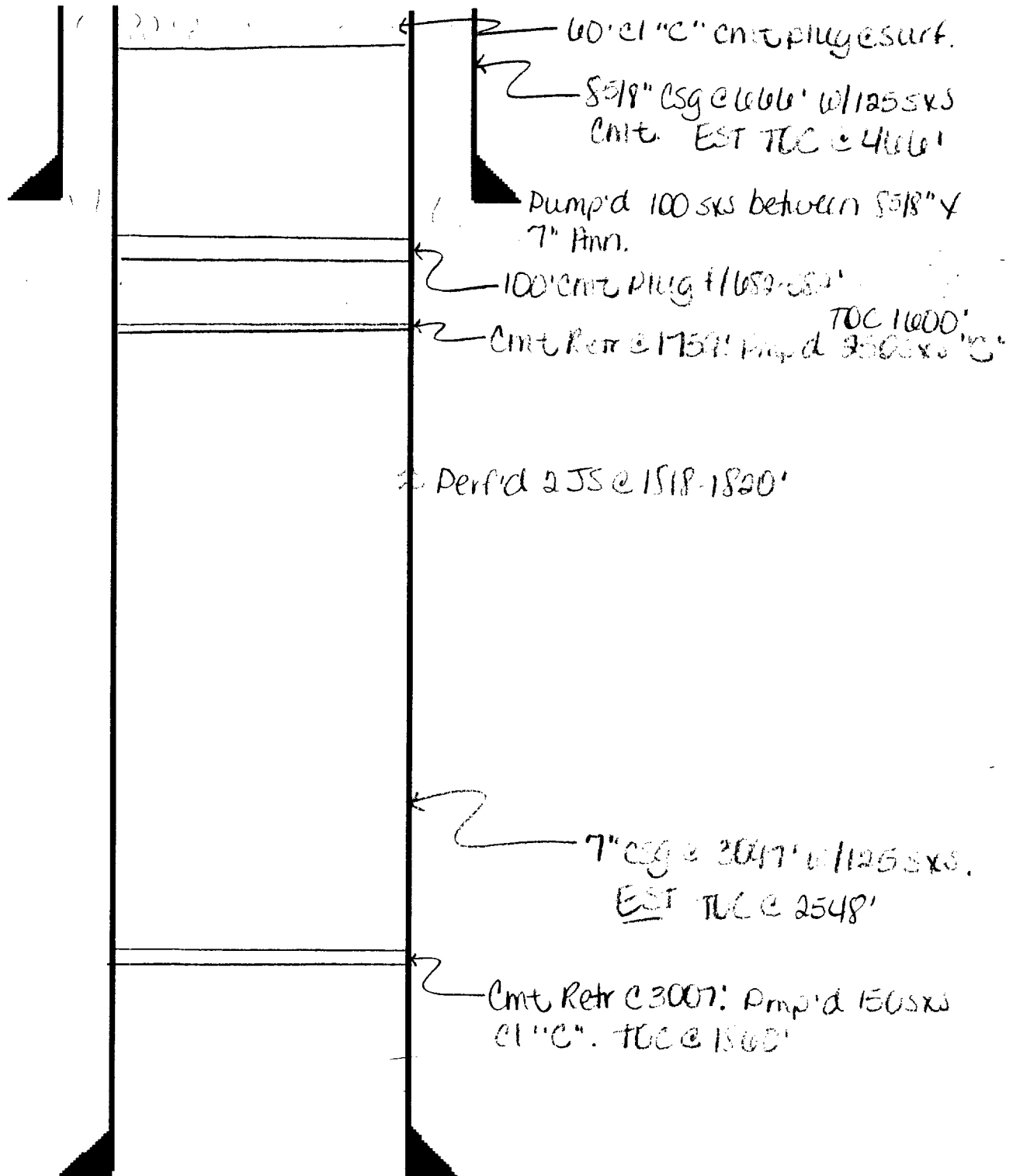
Grayburg/Jackson Waterflood Project

Well Name: H.E. West #4
Location: Section 4-17S-31E
Operator (at time of plugging):
Date Plugged: 5-16-84
Information Obtained From: BLM Sundry Notice

Comments:

POOH w/tbg @ 3001'. Set cmt retr @ 3007'. Pmpd 150 sxs cl "C" cmt
 TOC @ 1860'. Perf'd 2 JSPF @ 1818-1820'.
 Set cmt retr @ 1759'. Pmpd 250 sxs cl "C". TOC @ 1600'. Pmpd 100 sxs
 between 8-5/8" x 7" ann. Spot 20 sxs cl "C" in 7" csg 682-582' (100') plug.
 Spot 60' cl "C" cmt plug @ surf. CO WH, inst marker, Well P&A

Downhole Schematic:



TD 3429'

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 Dolomitic 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. Notices had previously been sent to all operators in each of these sections.

Attachment XIII (cont)

Proof of Publication

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

Affidavit of Publication

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
27th 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