

10/13/06 DATE IN	10/30/06 SUSPENSE	DRC ENGINEER	10/13/06 LOGGED IN	WFX TYPE	PDAC06-28950638 APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

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



824

ADMINISTRATIVE APPLICATION CHECKLIST

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

Application Acronyms:

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

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

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

Check One Only for [B] or [C]

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

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

[D] Other: Specify _____

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

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☐ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

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

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

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

Print or Type Name

Signature

Title

Date

e-mail Address

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: X Secondary Recovery Pressure Maintenance Disposal Storage
Application qualifies for administrative approval? X Yes No
- II. OPERATOR: Stephens & Johnson Operating Co.
ADDRESS: P.O. Box 2249, Wichita Falls, TX 76307
CONTACT PARTY: William M. Kincaid PHONE: 940-723-2166
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? X Yes No
If yes, give the Division order number authorizing the project: Case No. 6477 Order No. R-6177
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: William M. Kincaid TITLE: Petroleum Engineer
SIGNATURE: William M. Kincaid DATE: October 6, 2006
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted.
Please show the date and circumstances of the earlier submittal: Original "Application for Authorization to Inject" November, 1979 Case No. 6477, Order No. R-6177-A

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

Application for Authorization to Inject

Stephens & Johnson Operating Co.
East Millman Pool Unit
Millman (Yates-SR-QN-GB-SA) East Field
Eddy Co., New Mexico

- I. Stephens & Johnson Operating Co. plans to convert the following wells to injection wells into the Queen and Grayburg formations.

<u>Well No.</u>	<u>API No.</u>	<u>Unit Ltr.</u>	<u>Sec.</u>	<u>Twp</u>	<u>Rge</u>
4-2	30-015-02238	D	13	19S	28E
4-4	30-015-02239	M	13	19S	28E
4-6	30-015-10105	N	13	19S	28E
5-1	30-015-02219	N	12	19S	28E
5-2	30-015-02220	M	12	19S	28E
7-1	30-015-02234	F	13	19S	28E
7-2	30-015-02235	E	13	19S	28E
7-4	30-015-02231	L	13	19S	28E

- II. Operator: Stephens & Johnson Operating Co.
P. O. Box 2249
Wichita Falls, TX 76307-2249

Attention: William M. Kincaid 940/723-2166

- III. Well Data: See Attachment "A" "Injection Well Data Sheets" and their corresponding schematics attachments A-1 thru A-8.
- IV. This is an expansion of an existing project, Case No. 6477, Order No. R-6177-A
- V. See Attachment "B" - Map of Surrounding Area with Area of Review.
- VI. See Attachment "C" - Tabulation of Data on Wells Within the Area of Review.
- VII. 1) Proposed average daily injection volume: 300 BWPD.
Maximum daily injection volume: 600 BWPD.
- 2) System will be a closed system.

Application for Authorization to Inject
East Millman Pool Unit
Page 2

- 3) Proposed average injection pressure: 500 psi
Proposed maximum injection pressure: 900 psi
 - 4) Injection water will be reinjected produced water from the producing wells on the East Millman Pool Unit and fresh water from the City of Carlsbad fresh water system.
- VIII. Geological data on the injection zone and information on underground sources of drinking water were previously submitted in the "Application for Authorization to Inject" in November, 1979 for this project. Case No. 6477, Order No. R-6177-A.
- IX. The proposed injection interval may be acidized with 2000 gals. 15% NEFE acid.
- X. Well logs and test data are on file at the OCD.
- XI. Fresh Water Analysis from fresh water well was previously submitted in the original "Application for Authorization to Inject" in November, 1979 for this project. Case No. 6477, Order No. R-6177-A.
- XII. Geologic and engineering data have been examined and no evidence of open faults or any other hydrological connection between the injection zone and any fresh water aquifer has been found.
- XIII. A) Certified letters sent to offset operators (See Attachment "D"). Surface is owned by the State of New Mexico and leased to Dagger Draw Ranch, Inc., P.O. Box 1061, Carlsbad, NM 88221, (505)234-3690.
- B) Copy of legal advertisement attached, along with an Affidavit of Publication (Attachment "E").

ATTACHMENT "A"
INJECTION WELL DATA SHEET NO. 1

SIDE 1

Stephens & Johnson Operating Co.		East Millman Pool Unit	
OPERATOR		LEASE	
Tract 4 Well No. 2	660' FNL, 660' FWL	13	19S
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP
			28E
			RANGE

Schematic

SEE ATTACHED SCHEMATIC

SEE P. 512

Tabular Data

<u>Surface Casing</u>	364' of 8 5/8"	"	Cemented with	150	sx.
Size					
TOC	surface		feet determined by	site	
Hole size	10"	"			
<u>Intermediate Casing</u>		"	Cemented with		sx.
Size					
TOC			feet determined by		
Hole size		"			
<u>Long String</u>	2218' of 5 1/2"	"	Cemented with	275	sx.
Size					
TOC	880'		feet determined by	Temperature Survey	
Hole size	8"	"			
Total Depth	2218'				

Injection Interval

See Below _____ feet to _____ feet
(perforated or open hole, indicate which)

Perforations: 1656' - 1988'
2046' - 2148'

INJECTION WELL DATA SHEET -- SIDE 2

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

Nickel Plated Baker Lockset packer at 1610' feet
(brand and model)

Other Data

1. Name of the injection formation Queen and Grayburg

2. Name of Field or Pool (if applicable) Millman (Yates-SR-QN-GB-SA) East

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

If no, for what purpose was the well originally drilled? As a productive oil well.

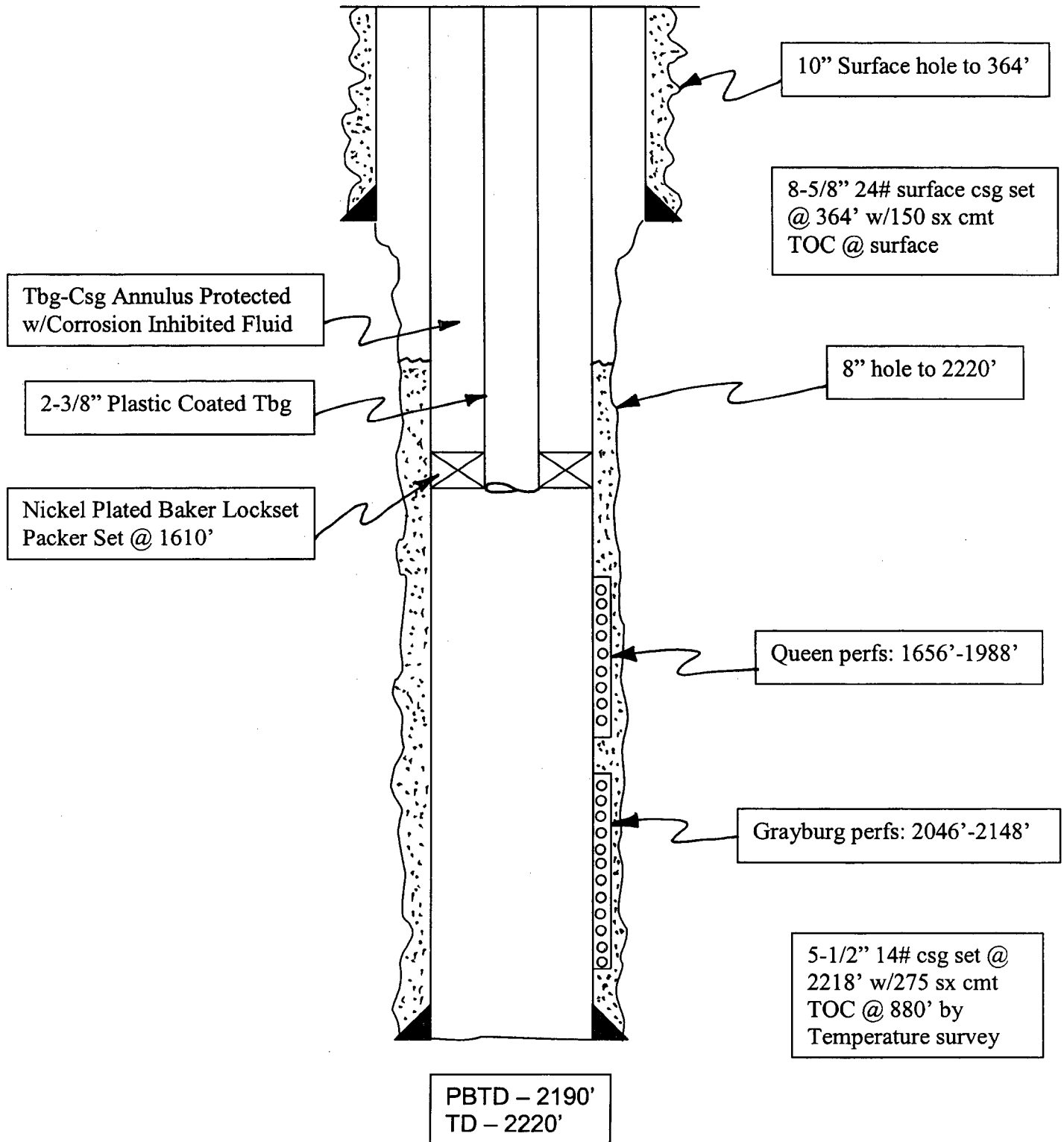
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used)

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.
Seven Rivers formation is approximately 1200' from surface.

ATTACHMENT 'A1'

Application for Authorization to Inject
Stephens & Johnson Operating Co.
East Millman Pool Unit
Millman (Yates, SR, QN, GB, SA) East Field
Eddy County, New Mexico

Water Injection Well Schematic
Stephens & Johnson Operating Co.
East Millman Pool Unit Tract 4 Well No. 2
API No. 30-015-02238
Sec 13, T19S, R28E, Unit Ltr 'D'



ATTACHMENT "A"
INJECTION WELL DATA SHEET NO. 2

SIDE 1

Stephens & Johnson Operating Co.		East Millman Pool Unit	
OPERATOR		LEASE	
Tract 4 Well No. 4	660' FSL, 660' FWL	13	19S
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP
			RANGE
			28E

Schematic

SEE ATTACHED SCHEMATIC

See also # 28015-0339

Tabular Data

<u>Surface Casing</u>			
Size	427' of 8 5/8"	"	Cemented with 250 sx.
TOC	surface	feet determined by	site
Hole size	12 1/4"	"	
<u>Intermediate Casing</u>			
Size	"	"	Cemented with sx.
TOC		feet determined by	
Hole size	"	"	
<u>Long String</u>			
Size	2280' of 4 1/2"	"	Cemented with 250 sx.
TOC	1115'	feet determined by	Temperature Survey
Hole size	7 7/8"	"	
Total Depth	2280'	feet	

Injection Interval

See Below feet to feet
(perforated or open hole, indicate which)

Perforations: 1784' - 1935'
2091' - 2214'

INJECTION WELL DATA SHEET -- SIDE 2

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

Nickel Plated Baker Lockset packer at 1735' feet
(brand and model)

Other Data

1. Name of the injection formation Queen and Grayburg
2. Name of Field or Pool (if applicable) Millman (Yates-SR-QN-GB-SA) East
3. Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? As a productive oil well.

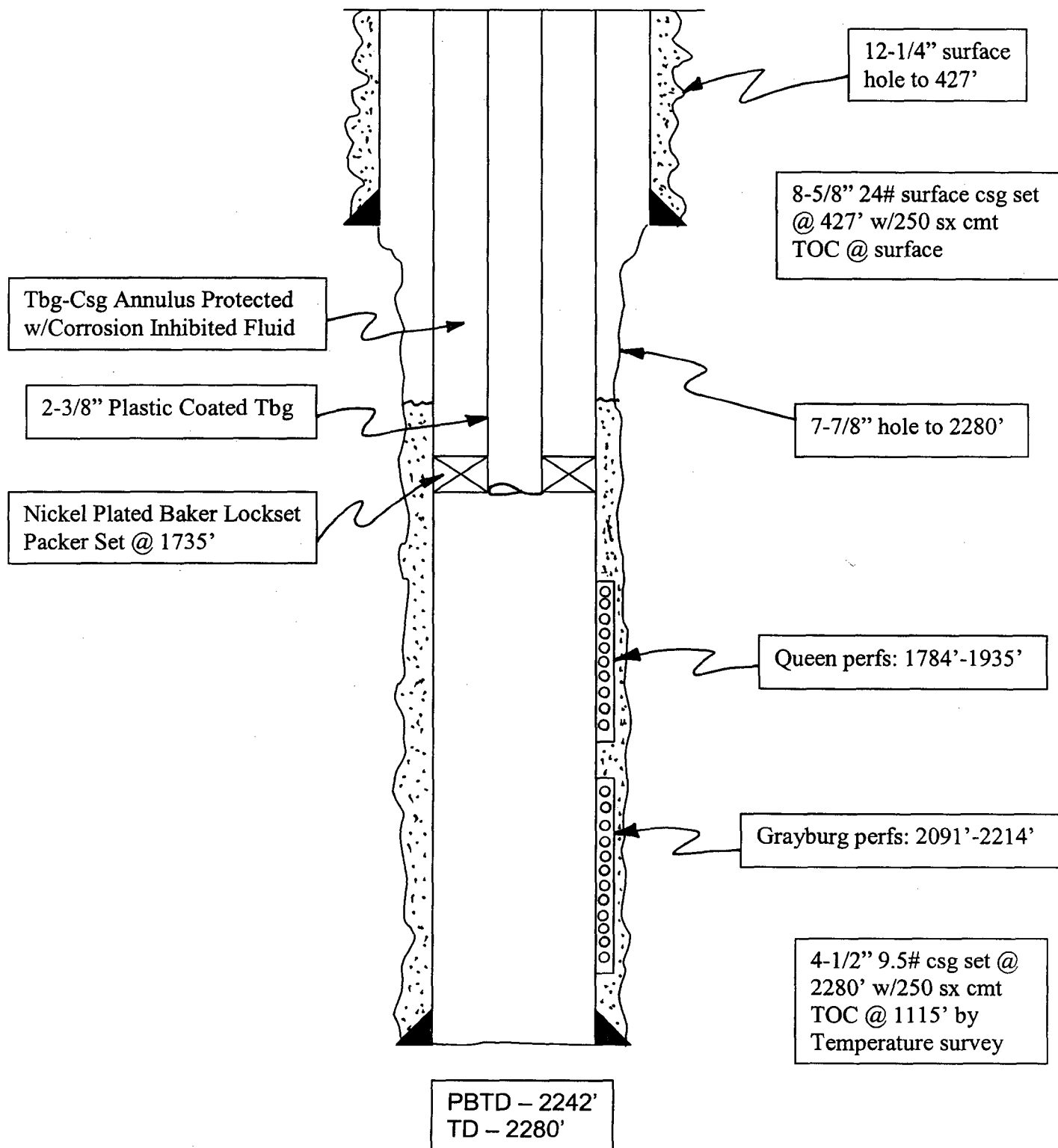
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used)

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.
Seven Rivers formation is approximately 1200' from surface.

ATTACHMENT 'A2'

Application for Authorization to Inject
Stephens & Johnson Operating Co.
East Millman Pool Unit
Millman (Yates, SR, QN, GB, SA) East Field
Eddy County, New Mexico

Water Injection Well Schematic
Stephens & Johnson Operating Co.
East Millman Pool Unit Tract 4 Well No. 4
API No. 30-015-02239
Sec 13, T19S, R28E, Unit Ltr 'M'



ATTACHMENT "A"
INJECTION WELL DATA SHEET NO. 3

SIDE 1

Stephens & Johnson Operating Co.
OPERATOR

East Millman Pool Unit
LEASE

Tract 4 Well No. 6 990' FSL, 1980' FWL
WELL NO. FOOTAGE LOCATION

13 19S 28E
SECTION TOWNSHIP RANGE

Schematic

SEE ATTACHED SCHEMATIC

25-015-10105
Y60

Tabular Data

Surface Casing
Size 418' of 8 5/8" Cemented with 350 sx.
TOC surface feet determined by site
Hole size 12 1/4" "
Intermediate Casing
Size " Cemented with sx.
TOC feet determined by
Hole size " "
Long String
Size 2300' of 4 1/2" Cemented with 250 sx.
TOC 1040' feet determined by Temperature Survey
Hole size 7 7/8" "
Total Depth 2300' feet

Injection Interval

See Below feet to
(perforated or open hole, indicate which)

Perforations: 2115' - 2218'

INJECTION WELL DATA SHEET -- SIDE 2

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

Nickel Plated Baker Lockset packer at 2065' feet
(brand and model)

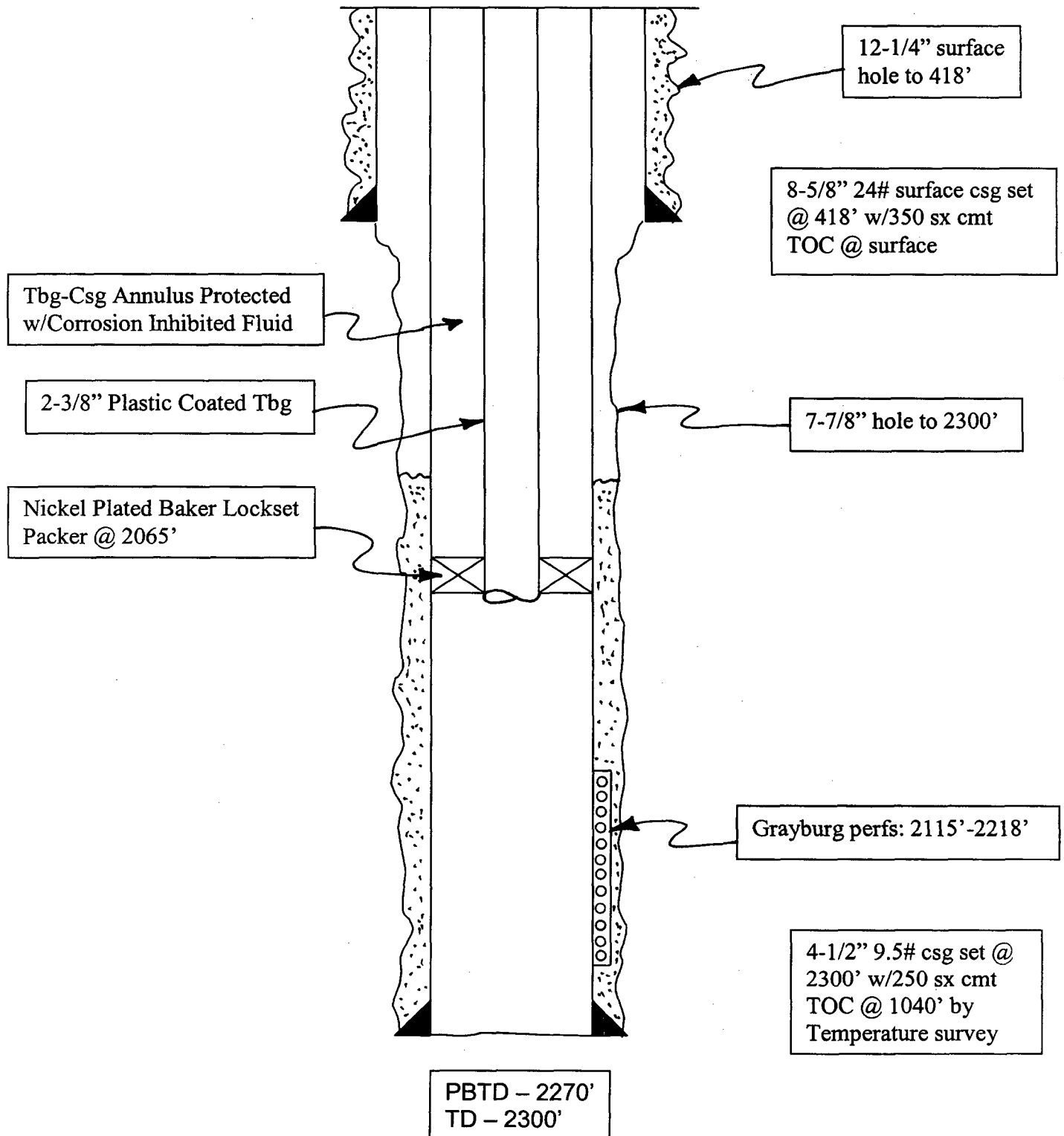
Other Data

1. Name of the injection formation Queen and Grayburg
2. Name of Field or Pool (if applicable) Millman (Yates-SR-QN-GB-SA) East
3. Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? As a productive oil well.
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) _____
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.
Seven Rivers formation is approximately 1200' from surface.

ATTACHMENT 'A3'

Application for Authorization to Inject
Stephens & Johnson Operating Co.
East Millman Pool Unit
Millman (Yates, SR, QN, GB, SA) East Field
Eddy County, New Mexico

Water Injection Well Schematic
Stephens & Johnson Operating Co.
East Millman Pool Unit Tract 4 Well No. 6
API No. 30-015-10105
Sec 13, T19S, R28E, Unit Ltr 'N'



ATTACHMENT "A"

INJECTION WELL DATA SHEET NO. 4

SIDE 1

Stephens & Johnson Operating Co.
OPERATOR

East Millman Pool Unit
LEASE

Tract 5 Well No. 1

330' FSL, 1980' FWL
FOOTAGE LOCATION

28E

19S

12

RANGE

TOWNSHIP

SECTION

Tabular Data

Schematic

SEE ATTACHED SCHEMATIC

Surface Casing
Size 619' of 8 5/8" " Cemented with 200 sx.
TOC surface feet determined by site
Hole size 11" "
Intermediate Casing
Size " " Cemented with sx.
TOC feet determined by
Hole size " "

Long String
Size 2250' of 5 1/2" " Cemented with 300 sx.
TOC 380' feet determined by Temperature Survey
Hole size 7 7/8" "
Total Depth 2250' feet

Injection Interval

See Below feet to feet
(perforated or open hole, indicate which)

Perforations: 1776' - 1784'
2085' - 2234'

30-015-02215
10

INJECTION WELL DATA SHEET -- SIDE 2

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

Nickel Plated Baker Lockset packer at 1730' feet
(brand and model)

Other Data

1. Name of the injection formation Queen and Grayburg
2. Name of Field or Pool (if applicable) Millman (Yates-SR-QN-GB-SA) East

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

If no, for what purpose was the well originally drilled? As a productive oil well.

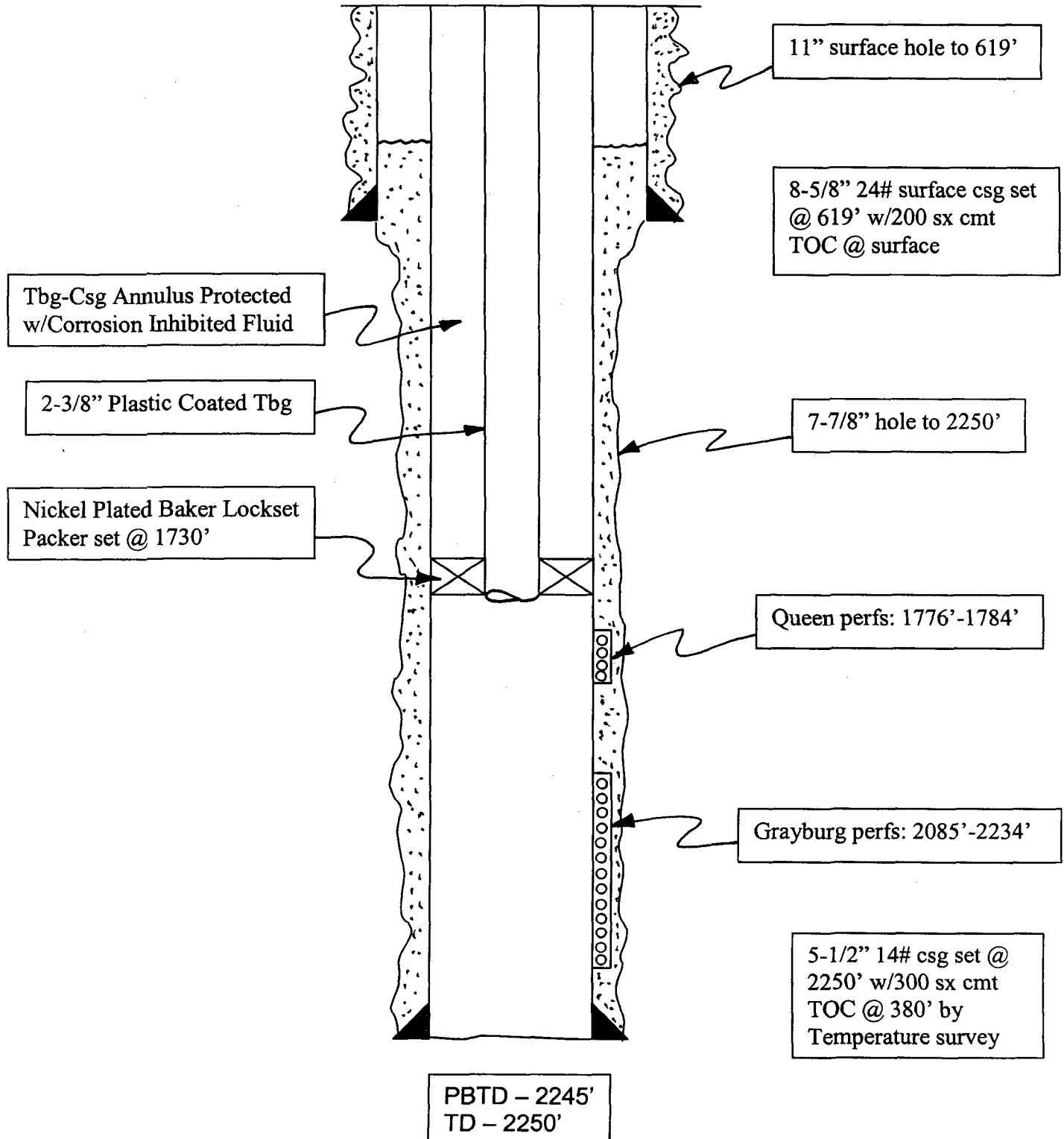
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used)

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.
Seven Rivers formation is approximately 1200' from surface.

ATTACHMENT 'A4'

Application for Authorization to Inject
Stephens & Johnson Operating Co.
East Millman Pool Unit
Millman (Yates, SR, QN, GB, SA) East Field
Eddy County, New Mexico

Water Injection Well Schematic
Stephens & Johnson Operating Co.
East Millman Pool Unit Tract 5 Well No. 1
API No. 30-015-02219
Sec 12, T19S, R28E, Unit Ltr 'N'



ATTACHMENT "A"
INJECTION WELL DATA SHEET NO. 5

SIDE 1

Stephens & Johnson Operating Co.
OPERATOR

East Millman Pool Unit
LEASE

Tract 5 Well No. 2 330' FSL, 660' FWL
WELL NO. FOOTAGE LOCATION

12 19S 28E
SECTION TOWNSHIP RANGE

Schematic

SEE ATTACHED SCHEMATIC

30615-02220
2

Tabular Data

Surface Casing
Size 632' of 8 5/8" " Cemented with 350 sx.
TOC surface feet determined by site
Hole size 11" "
Intermediate Casing
Size " " Cemented with sx.
TOC feet determined by
Hole size " "
Long String
Size 2230' of 5 1/2" " Cemented with 350 sx.
TOC surface feet determined by site
Hole size 7 7/8" "
Total Depth 2232' feet

Injection Interval

See Below feet to feet
(perforated or open hole, indicate which)

Perforations: 1676' - 2004'
2042' - 2212'

INJECTION WELL DATA SHEET -- SIDE 2

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

Nickel Plated Baker Lockset packer at 1630' feet
(brand and model)

Other Data

1. Name of the injection formation Queen and Grayburg
2. Name of Field or Pool (if applicable) Millman (Yates-SR-QN-GB-SA) East

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

If no, for what purpose was the well originally drilled? As a productive oil well.

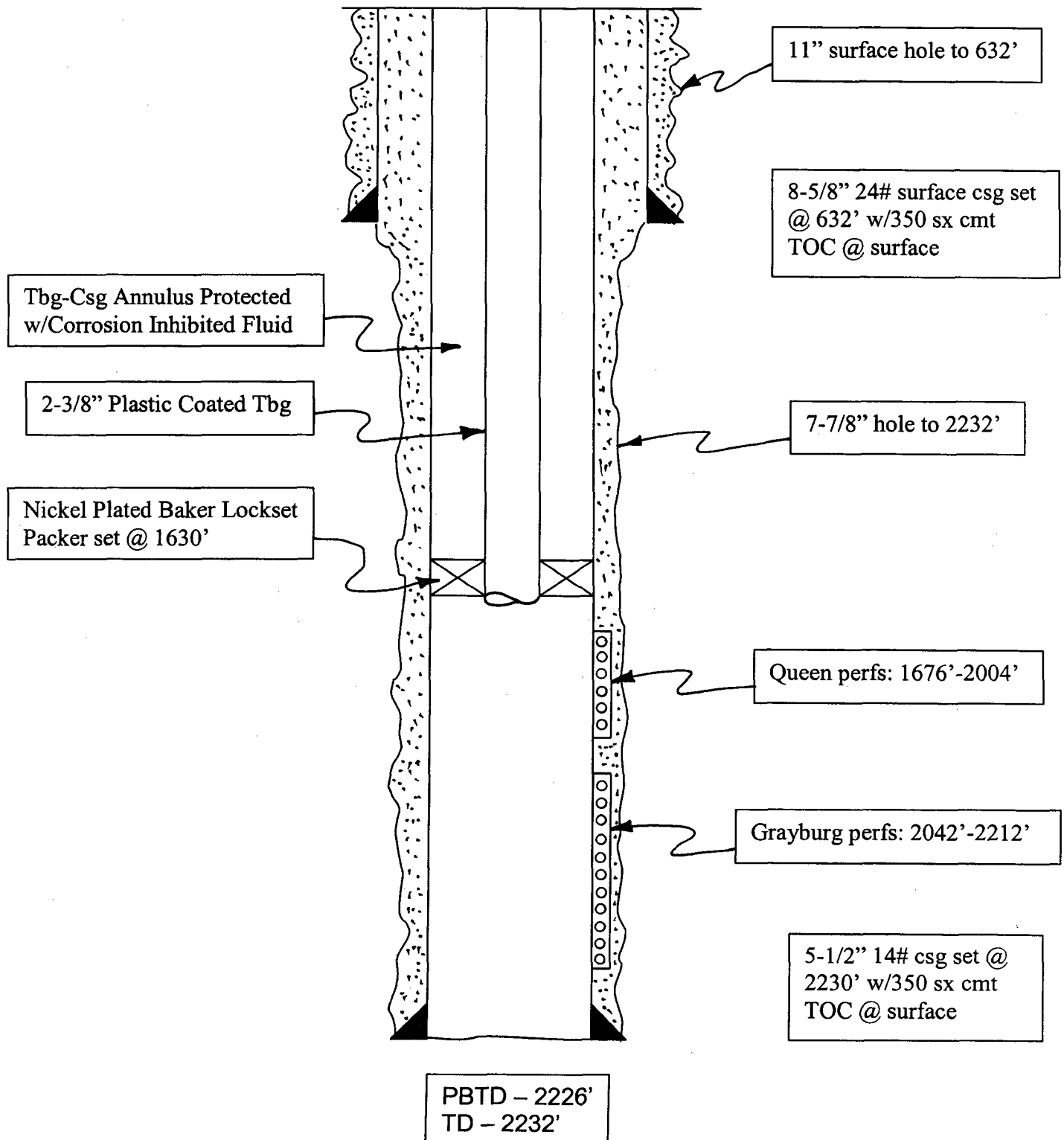
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used)

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.
Seven Rivers formation is approximately 1200' from surface.

ATTACHMENT 'A5'

Application for Authorization to Inject
Stephens & Johnson Operating Co.
East Millman Pool Unit
Millman (Yates, SR, QN, GB, SA) East Field
Eddy County, New Mexico

Water Injection Well Schematic
Stephens & Johnson Operating Co.
East Millman Pool Unit Tract 5 Well No. 2
API No. 30-015-02220
Sec 12, T19S, R28E, Unit Ltr 'M'



ATTACHMENT "A"

SIDE 1

Stephens & Johnson Operating Co.
OPERATOR

East Millman Pool Unit
LEASE

Tract 7 Well No. 1	1980' FNL, 1980' FWL
WELL NO.	FOOTAGE LOCATION

13	19S	28E
SECTION	TOWNSHIP	RANGE

Schematic

SEE ATTACHED SCHEMATIC

Tabular Data

Surface Casing			
Size	591' of 9 5/8"	"	Cemented with 525 sx.
TOC	surface	feet determined by	site
Hole size	12 1/4"	"	

Intermediate Casing

Size _____ " _____ Cemented with _____ sx: _____

TOC _____ feet determined by _____

Hole size _____ "

Long String	2188' of 4 1/2"	"	Cemented with	550	sq.
Size					
TOC	surface		feet determined by	site	
Hole size	7 7/8"		"		
Total Depth	2188'		feet		

Injection Interval

See Below _____ feet to _____ feet
(perforated or open hole, indicate which)

Perforation:	1722'	-	1726'
	2054'	-	2074'
	2090'	-	2102'
	2107'	-	2123'

INJECTION WELL DATA SHEET -- SIDE 2

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

Nickel Plated Baker Lockset packer at 1675' feet
(brand and model)

Other Data

1. Name of the injection formation Queen and Grayburg

2. Name of Field or Pool (if applicable) Millman (Yates-SR-QN-GB-SA) East

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

If no, for what purpose was the well originally drilled? As a productive oil well.

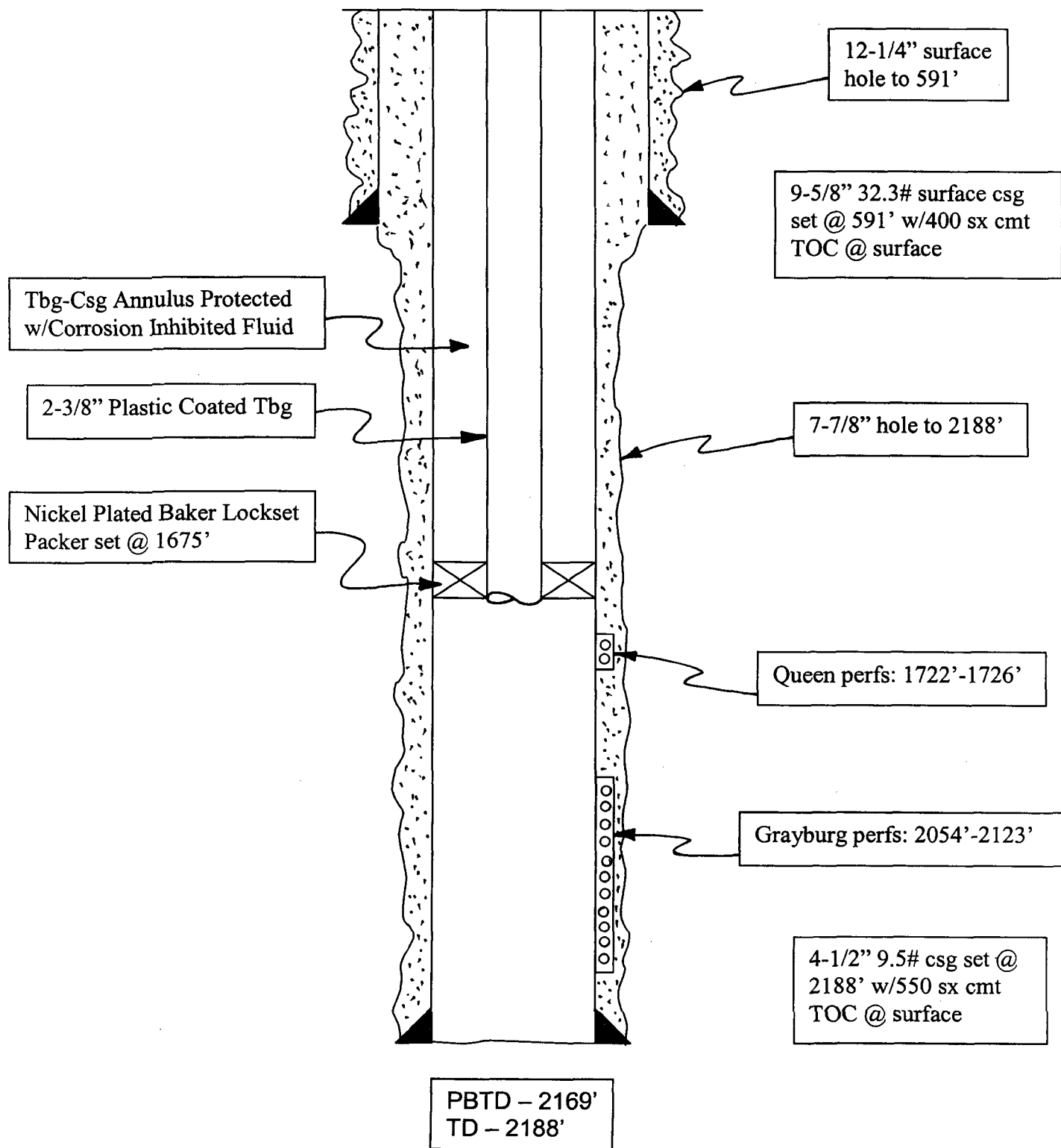
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used)

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.
Seven Rivers formation is approximately 1200' from surface.

ATTACHMENT 'A6'

Application for Authorization to Inject
Stephens & Johnson Operating Co.
East Millman Pool Unit
Millman (Yates, SR, QN, GB, SA) East Field
Eddy County, New Mexico

Water Injection Well Schematic
Stephens & Johnson Operating Co.
East Millman Pool Unit Tract 7 Well No. 1
API No. 30-015-02234
Sec 13, T19S, R28E, Unit Ltr 'F'



ATTACHMENT "A"
INJECTION WELL DATA SHEET NO. 7

SIDE 1

Stephens & Johnson Operating Co. OPERATOR	East Millman Pool Unit LEASE				
Tract 7 Well No. 2	1980' FNL, 660' FWL	13	19S	28E	
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE	

Schematic

SEE ATTACHED SCHEMATIC

30-015-0220-510-05
12 R

Tabular Data

<u>Surface Casing</u>					
Size	595' of 7 5/8"	"	Cemented with	325	sx.
TOC	surface		feet determined by	site	
Hole size	11"	"			
<u>Intermediate Casing</u>					
Size	"	"	Cemented with		sx.
TOC			feet determined by		
Hole size		"			
<u>Long String</u>					
Size	2197' of 4 1/2"	"	Cemented with	330	sx.
TOC	surface		feet determined by	site	
Hole size	6 3/4"	"			
Total Depth	2200'				

Injection Interval

See Below	feet to				
(perforated or open hole, indicate which)					
Perforations:	1733'	-	1743'	2116'	- 2126'
	2065'	-	2071'	2149'	- 2151'
	2084'	-	2086'	2165'	- 2185'
	2095'	-	2097'		
	2107'	-	2109'		

INJECTION WELL DATA SHEET -- SIDE 2

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

Nickel Plated Baker Lockset packer at 1685' feet
(brand and model)

Other Data

1. Name of the injection formation Queen and Grayburg

2. Name of Field or Pool (if applicable) Millman (Yates-SR-QN-GB-SA) East

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

If no, for what purpose was the well originally drilled? As a productive oil well.

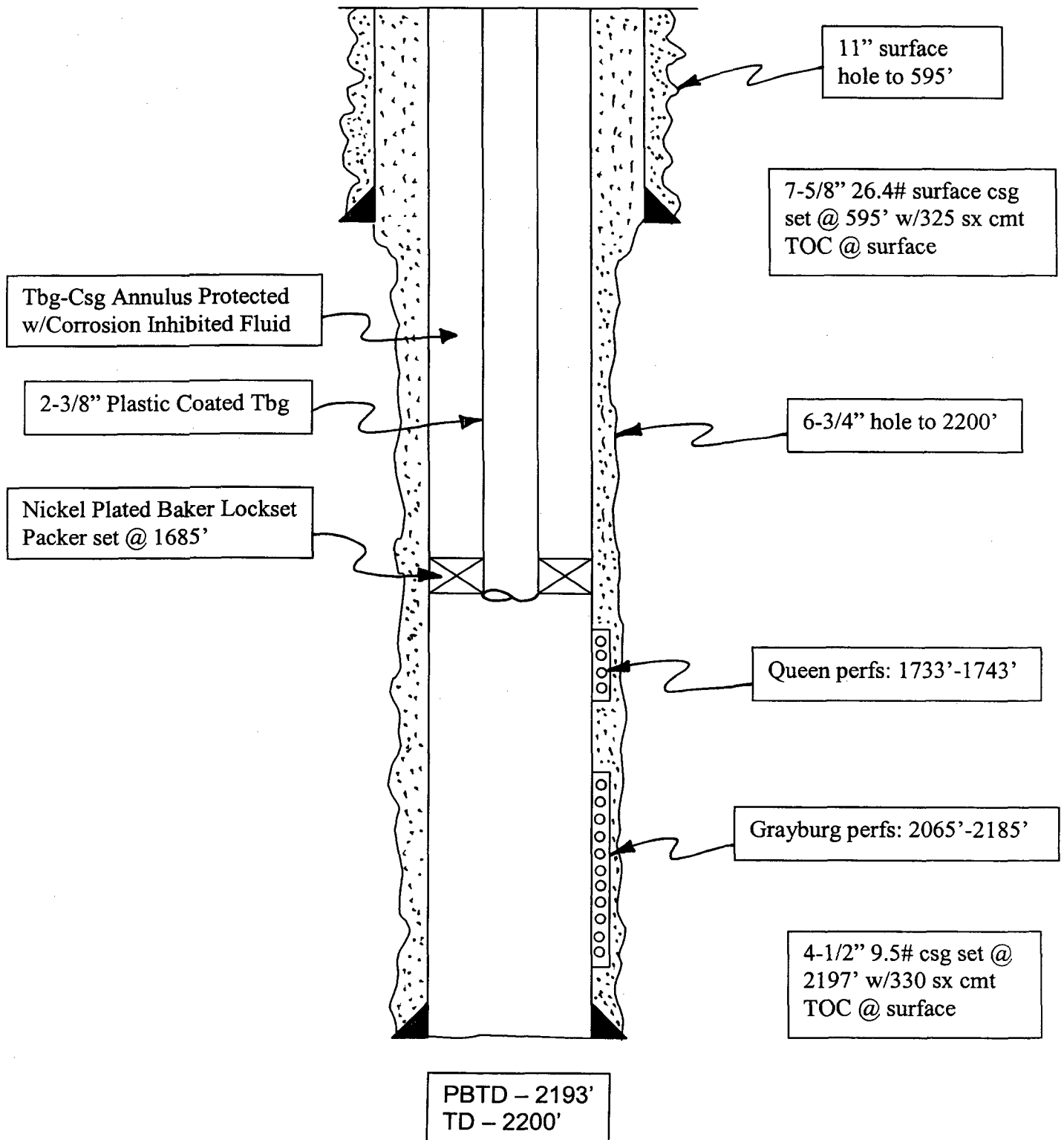
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used)

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.
Seven Rivers formation is approximately 1200' from surface.

ATTACHMENT 'A7'

Application for Authorization to Inject
Stephens & Johnson Operating Co.
East Millman Pool Unit
Millman (Yates, SR, QN, GB, SA) East Field
Eddy County, New Mexico

Water Injection Well Schematic
Stephens & Johnson Operating Co.
East Millman Pool Unit Tract 7 Well No. 2
API No. 30-015-02235
Sec 13, T19S, R28E, Unit Ltr 'E'



ATTACHMENT "A"
INJECTION WELL DATA SHEET NO. 8

SIDE 1

<u>Stephens & Johnson Operating Co.</u>		<u>East Millman Pool Unit</u>	
<u>OPERATOR</u>		<u>LEASE</u>	
<u>Tract 7 Well No. 4</u>	<u>2310' FSL, 660' FWL</u>	<u>13</u>	<u>19S</u>
<u>WELL NO.</u>	<u>FOOTAGE LOCATION</u>	<u>SECTION</u>	<u>TOWNSHIP</u>
			<u>28E</u>
			<u>RANGE</u>

Schematic

SEE ATTACHED SCHEMATIC

Tabular Data

<u>Surface Casing</u>	<u>609' of 7 5/8"</u>	<u>"</u>	<u>Cemented with</u>	<u>450</u>	<u>sx.</u>
<u>Size</u>					
<u>TOC</u>	<u>surface</u>	<u>feet determined by</u>	<u>site</u>		
<u>Hole size</u>	<u>9 7/8"</u>	<u>"</u>			
<u>Intermediate Casing</u>		<u>"</u>	<u>Cemented with</u>		<u>sx.</u>
<u>Size</u>					
<u>TOC</u>		<u>feet determined by</u>			
<u>Hole size</u>		<u>"</u>			
<u>Long String</u>	<u>2250' of 4 1/2"</u>	<u>"</u>	<u>Cemented with</u>	<u>375</u>	<u>sx.</u>
<u>Size</u>					
<u>TOC</u>	<u>surface</u>	<u>feet determined by</u>	<u>site</u>		
<u>Hole size</u>	<u>6 3/4"</u>	<u>"</u>			
<u>Total Depth</u>	<u>2250'</u>	<u>feet</u>			

Injection Interval

<u>See Below</u>	<u>feet to</u>	<u>feet</u>
<u>(perforated or open hole, indicate which)</u>		
<u>Perforations:</u>	<u>1734'</u>	<u>1736'</u>
	<u>2054'</u>	<u>2056'</u>
	<u>2088'</u>	<u>2090'</u>
	<u>2106'</u>	<u>2108'</u>
	<u>2198'</u>	<u>2200'</u>

26-15-02231
15-02231

INJECTION WELL DATA SHEET -- SIDE 2

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

Nickel Plated Baker Lockset packer at 1685' feet
(brand and model)

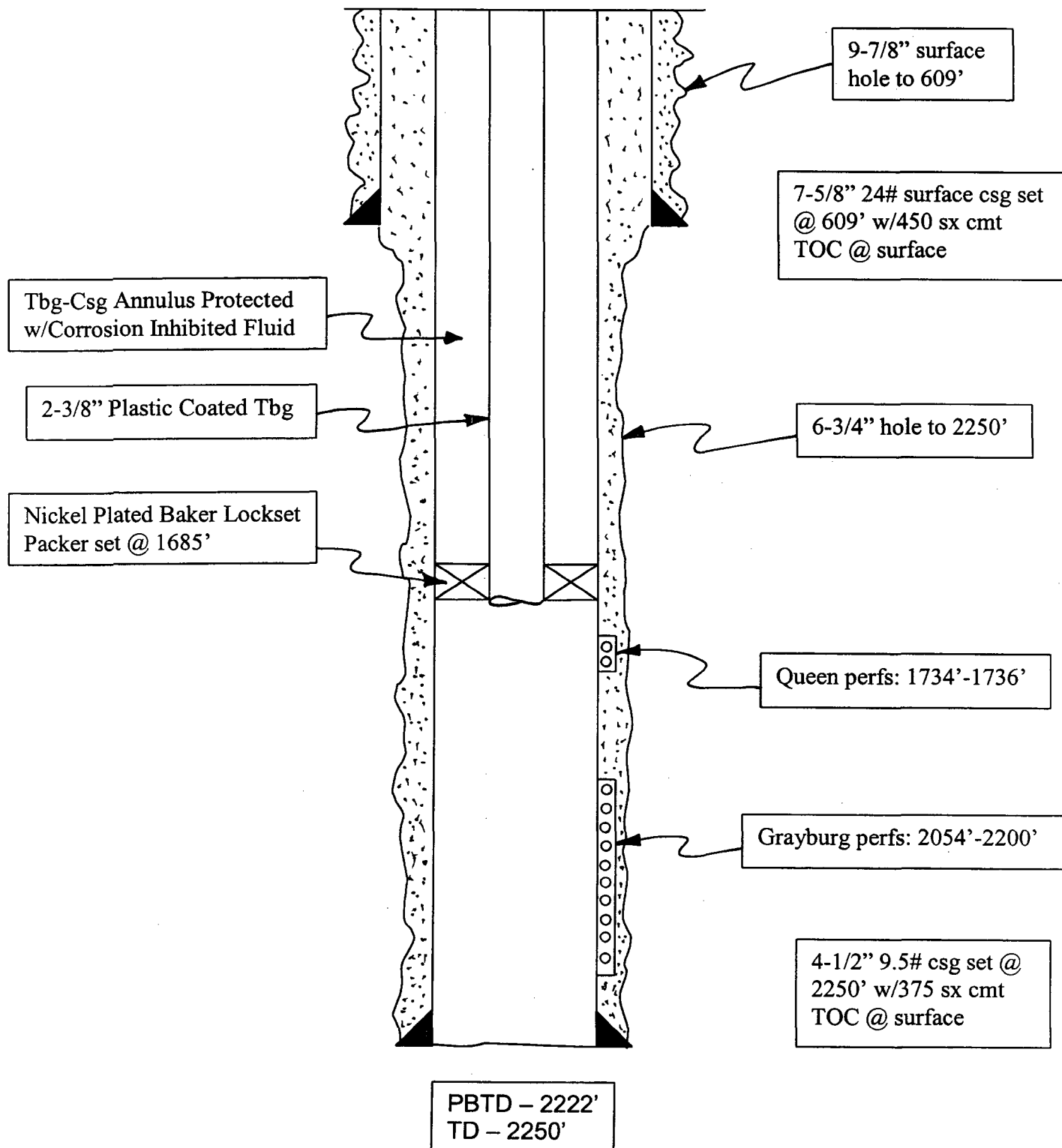
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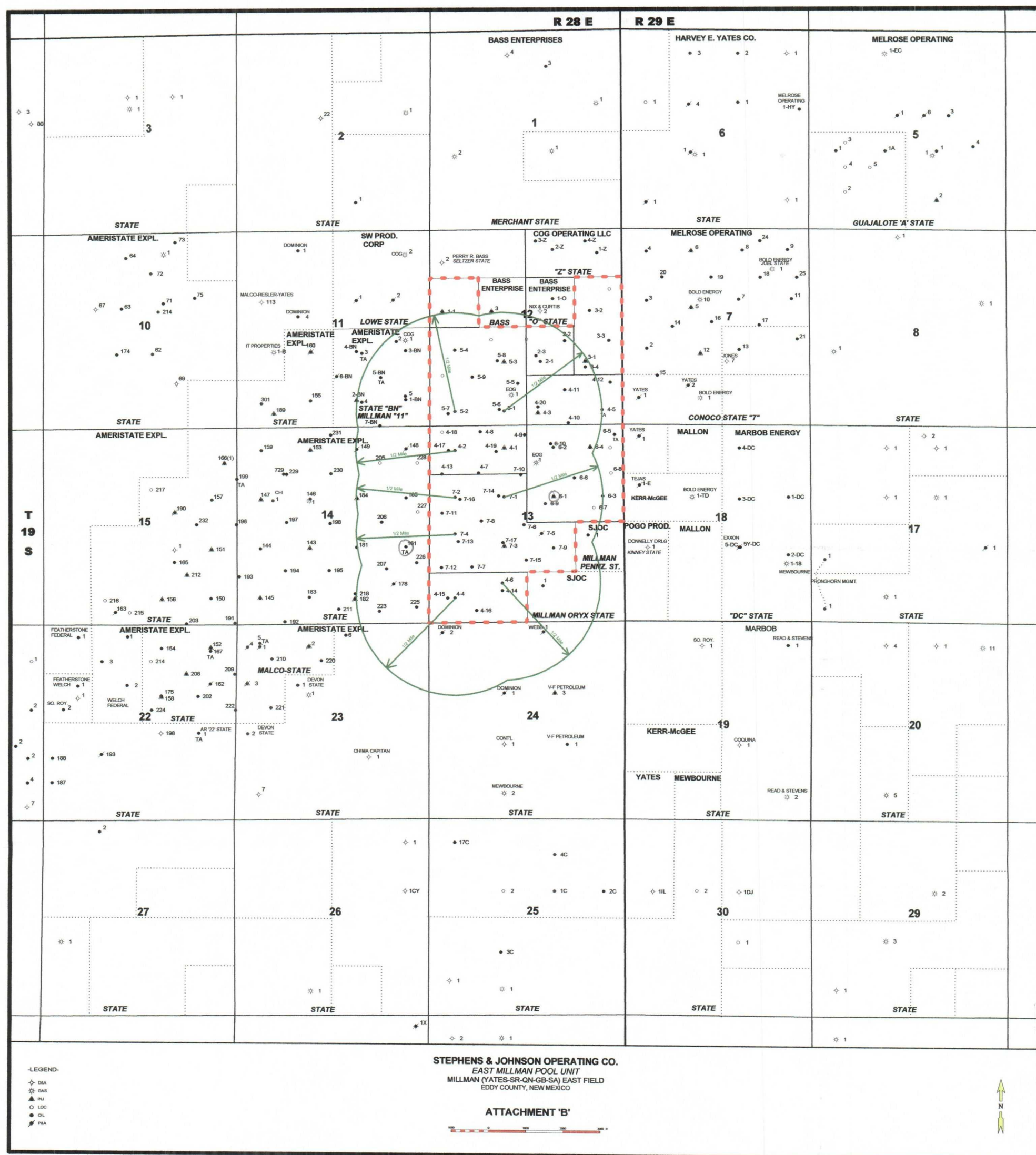
1. Name of the injection formation Queen and Grayburg
2. Name of Field or Pool (if applicable) Millman (Yates-SR-QN-GB-SA) East
3. Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? As a productive oil well.
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.
Seven Rivers formation is approximately 1200' from surface.

ATTACHMENT 'A8'

Application for Authorization to Inject
Stephens & Johnson Operating Co.
East Millman Pool Unit
Millman (Yates, SR, QN, GB, SA) East Field
Eddy County, New Mexico

Water Injection Well Schematic
Stephens & Johnson Operating Co.
East Millman Pool Unit Tract 7 Well No. 4
API No. 30-015-02231
Sec 13, T19S, R28E, Unit Ltr 'L'





Field Operator	Section - Township - Range	Well No.	API No.	Lease	Unit Ltr - Location	Well Type	Well Status	Date Drilled	Total Depth	Surface Casing			Intermediate Casing			Production Casing			Producing Interval			Remarks			
										Size (Inches)	Depth (Feet)	Cmt Top (Feet)	Size (Inches)	Depth (Feet)	Cement (Sacks)	Cmt Top (Feet)	Size (Inches)	Depth (Feet)	Cement (Sacks)	Cmt Top (Feet)	Top Feet		Bottom Feet	Formation	
See 12, T19S, R28E (Cont'd)																									
Millman (Yates-SR-QN-QB-SA) East Stephens & Johnson Operating Co. Stephens & Johnson Operating Co. Stephens & Johnson Operating Co. Stephens & Johnson Operating Co.		5-6	30-015	34131	East Millman Pool Unit	OW	ACT	14-Jun-2005	2,710	8 5/8	327	300					5 1/2	2,699	1,050	Surf	2,327	2,494	GB		
		5-7	30-015	34124	East Millman Pool Unit	OW	ACT	12-Jul-2005	2,737	8 5/8	333	225	Surf				5 1/2	2,727	800	Surf	2,309	2,472	GB		
		5-8	30-015	34629	East Millman Pool Unit	OW	ACT	3-Apr-2006	2,740	8 5/8	324	350	Surf				5 1/2	2,726	700	Surf	2,442	2,496	GB		
		5-9	30-015	34627	East Millman Pool Unit	OW	ACT	7-Jun-2006	2,730	8 5/8	314	200	Surf				5 1/2	2,715	800	Surf	2,306	2,480	GB		
		See 13, T19S, R28E																							
Turkey Tract - Morrow (Gas)																									
EOG Resources Inc.		1	30-015	25065	East Millman '13' Federal Com	GW	P&A	6-Dec-1984	11,300	13 3/8	350	450	Surf	8 5/8	2718	11700	1,000	7,650	10,687	11,180	Morrow	Plugged Well			
See 14, T19S, R28E																									
Millman (Yates-SR-QN-QB-SA) East Stephens & Johnson Operating Co. Stephens & Johnson Operating Co. Stephens & Johnson Operating Co. Stephens & Johnson Operating Co. Stephens & Johnson Operating Co. Stephens & Johnson Operating Co. Stephens & Johnson Operating Co. Stephens & Johnson Operating Co. Stephens & Johnson Operating Co. Stephens & Johnson Operating Co. Stephens & Johnson Operating Co. Stephens & Johnson Operating Co. Stephens & Johnson Operating Co. Stephens & Johnson Operating Co. Stephens & Johnson Operating Co. Stephens & Johnson Operating Co. Stephens & Johnson Operating Co. Stephens & Johnson Operating Co. Stephens & Johnson Operating Co.		1	30-015	29832	Millman Oxyx State	OW	ACT	19-Sep-1997	2,803	8 5/8	413	480	Surf				5 1/2	2,777	975	Surf	2,350	2,658	GB		
		1	30-015	29619	Millman Permcoil State	OW	ACT	15-Jun-1997	3,050	8 5/8	415	610	Surf				5 1/2	2,832	975	Surf	2,365	2,674	GB		
		4-1	30-015	02237	East Millman Pool Unit	WVW	ACT	28-Nov-1958	2,168	10 3/4	359	140	Surf				7	2,167	250	1,295	1,662	2,150	QN-GB		
		4-2	30-015	02238	East Millman Pool Unit	OW	ACT	26-Jan-1959	2,220	8 5/8	364	150	Surf				5 1/2	2,218	275	880	1,656	2,148	QN-GB		
		4-3	30-015	02239	East Millman Pool Unit	OW	TA	30-Nov-1963	2,280	8 5/8	427	250	Surf				4 1/2	2,280	250	1,115	1,784	2,214	QN-GB		
		4-4	30-015	10105	East Millman Pool Unit	OW	TA	28-Feb-1964	2,300	8 5/8	418	350	Surf				4 1/2	2,300	250	1,040	2,115	2,218	GB		
		4-6	30-015	10105	East Millman Pool Unit	OW	ACT	3-Nov-1996	2,850	8 5/8	410	285	Surf				5 1/2	2,848	1,000	Surf	2,234	2,515	GB		
		4-7	30-015	29121	East Millman Pool Unit	OW	ACT	5-Dec-1996	2,700	8 5/8	415	260	Surf				5 1/2	2,680	875	Surf	1,782	2,487	QN-GB		
		4-8	30-015	29261	East Millman Pool Unit	OW	ACT	26-Nov-1996	2,718	8 5/8	425	285	Surf				5 1/2	2,708	985	Surf	2,261	2,497	GB		
		4-9	30-015	31229	East Millman Pool Unit	OW	ACT	26-Aug-2004	2,646	8 5/8	436	260	Surf				5 1/2	2,646	900	Surf	2,294	2,597	GB		
		4-13	30-015	33543	East Millman Pool Unit	OW	ACT	9-Sep-2004	2,732	8 5/8	314	200	Surf				5 1/2	2,728	700	Surf	2,294	2,597	GB		
		4-14	30-015	33543	East Millman Pool Unit	OW	ACT	7-Nov-2006	2,710	8 5/8	317	250	Surf				5 1/2	2,701	700	Surf	2,283	2,595	GB		
		4-15	30-015	33540	East Millman Pool Unit	OW	ACT	27-Mar-2005	2,673	8 5/8	317	250	Surf				5 1/2	2,664	800	Surf	2,342	2,626	GB		
		4-16	30-015	33944	East Millman Pool Unit	OW	ACT	4-Apr-2005	2,710	8 5/8	317	250	Surf				5 1/2	2,694	800	Surf	2,245	2,463	GB		
		4-17	30-015	33945	East Millman Pool Unit	OW	ACT	11-Oct-2005	2,740	8 5/8	343	200	Surf				5 1/2	2,731	600	390	2,240	2,478	GB		
		4-19	30-016	34238	East Millman Pool Unit	OW	ACT	26-Jun-1958	2,147	8 5/8	600	50	130*	Surf	7	2,145	18	1,750	1,656	2,132	QN-GB				
		6-1	30-015	02227	East Millman Pool Unit	WVW	ACT	20-Sep-1958	2,808	10	345	50	Surf*				5 1/2	2,689	300	1522*	1,758	2,222	QN-GB		
		6-2	30-015	02228	East Millman Pool Unit	OW	ACT	8-Nov-1958	2,330	10 3/4	348	50	Surf*				5 1/2	2,330	150	1205*	1,186	2,323	GB		
		6-3	30-015	02229	East Millman Pool Unit	WVW	ACT	3-Mar-1959	2,285	8 5/8	277	50	21*				5 1/2	2,285	100	1,060	1,690	2,138	GB		
		6-4	30-015	02230	East Millman Pool Unit	OW	TA	31-Jan-1960	2,241	8 5/8	270	50	14*				4 1/2	2,235	160	1,535	1,740	2,156	QN-GB		
		6-5	30-015	02233	East Millman Pool Unit	A	330' FNL	330' FEL	OW	ACT	28-May-1996	2,650	8 5/8	410	260	Surf			5 1/2	2,650	950	Surf	2,233	2,501	GB
		6-6	30-015	28882	East Millman Pool Unit	G	1400' FNL	1330' FEL	OW	ACT	20-Aug-2006	2,715	8 5/8	330	200	Surf			5 1/2	2,703	725	330	2,401	2,480	GB
6-9	30-015	34886	East Millman Pool Unit	G	2143' FNL	2108' FEL	OW	ACT	28-Aug-2006	2,720	8 5/8	331	475	Surf			5 1/2	2,705	850	Surf	2,405	2,570	GB		
6-10	30-015	34891	East Millman Pool Unit	B	510' FNL	1940' FEL	OW	ACT	7-Dec-1958	2,188	9 5/8	591	400	Surf			4 1/2	2,188	550	Surf	1,722	2,123	QN-GB		
7-1	30-015	02234	East Millman Pool Unit	F	1980' FNL	1980' FNL	OW	ACT	1-Jan-1959	2,200	7 5/8	595	325	Surf			4 1/2	2,197	330	Surf	1,733	2,185	QN-GB		
7-2	30-015	02235	East Millman Pool Unit	E	1980' FNL	1980' FNL	OW	ACT	21-Feb-1959	2,200	7 5/8	605	443	Surf			4 1/2	2,200	375	20	1,672	2,144	QN-GB		
7-3	30-015	02236	East Millman Pool Unit	K	1980' FNL	1980' FNL	WVW	ACT	30-Dec-1959	2,250	7 5/8	609	450	Surf			4 1/2	2,250	375	Surf	1,734	2,200	QN-GB		
7-4	30-015	02231	East Millman Pool Unit	L	2310' FSL	660' FNL	OW	ACT	25-Oct-1959	2,240	8 5/8	620	150	Surf			5 1/2	2,240	400	Surf*	1,773	2,142	QN-GB		
7-5	30-015	02232	East Millman Pool Unit	J	2310' FSL	2310' FEL	SWD	P&A	1-Jun-1996	2,700	8 5/8	410	250	Surf			5 1/2	2,687	750	Surf	2,203	2,522	GB		
7-6	30-015	28932	East Millman Pool Unit	K	2630' FSL	2603' FNL	OW	ACT	1-Jun-1996	2,700	8 5/8	400	370	Surf			5 1/2	2,687	750	490	2,191	2,401	GB		
7-7	30-015	28625	East Millman Pool Unit	L	1492' FSL	1151' FNL	OW	ACT	22-Nov-1995	2,700	8 5/8	408	260	Surf			5 1/2	2,650	620	Surf	2,183	2,453	GB		
7-8	30-015	29122	East Millman Pool Unit	F	2574' FNL	1392' FNL	OW	ACT	13-May-1997	2,700	8 5/8	419	620	Surf			5 1/2	2,684	975	Surf	2,305	2,607	GB		
7-9	30-015	29502	East Millman Pool Unit	J	1980' FNL	1900' FEL	OW	ACT	9-Aug-1997	2,650	8 5/8	422	260	Surf			5 1/2	2,635	905	Surf	2,281	2,489	GB		
7-10	30-015	29748	East Millman Pool Unit	F	1330' FNL	2448' FNL	OW	ACT	23-May-2000	2,702	8 5/8	404	260	Surf			5 1/2	2,685	800	200	2,179	2,473	GB		
7-11	30-015	31121	East Millman Pool Unit	E	2471' FNL	330' FNL	OW	ACT	6-Oct-1999	2,700	8 5/8	423	260	Surf			5 1/2	2,663	800	440	2,179	2,416	GB		
7-12	30-015	30745	East Millman Pool Unit	L	1490' FNL	330' FNL	OW	ACT	4-Jun-2001	2,688	8 5/8	409	550	Surf			5 1/2	2,674	800	Surf	2,192	2,444	GB		
7-13	30-015	31677	East Millman Pool Unit	L	2176' FSL	777' FNL	OW	ACT	10-Jul-2001	2,700	8 5/8	407	650	Surf			5 1/2	2,670	700	Surf	2,335	2,468	GB		
7-14	30-015	31678	East Millman Pool Unit	F	1898' FNL	1658' FNL	OW	ACT	24-Feb-2004	2,677	8 5/8	410	450	Surf			5 1/2	2,662	700	370	2,331	2,585	GB		
7-15	30-015	33220	East Millman Pool Unit	K	1659' FSL	2607' FNL	OW	ACT	26-Apr-2004	2,707	8 5/8	318	200	Surf			5 1/2	2,706	930	Surf	2,349	2,483	GB		
7-16	30-015	33358	East Millman Pool Unit	E	1981' FNL	817' FNL	OW	ACT	12-Jul-2004	2,710	8 5/8	285	300	Surf			5 1/2	2,710	800	Surf	2,187	2,418	GB		
7-17	30-015	33422	East Millman Pool Unit	K	2132' FSL	1976' FNL	OW	ACT																	

Field Operator	Section - Township - Range	Well No.	API No.	Lease	Unit Ltr - Location	Well Type	Well Status	Date Drilled	Total Depth	Surface Casing			Intermediate Casing			Production Casing			Producing Interval			Remarks		
										Size (Inches)	Depth (Feet)	Cmt (Sacks)	Cmt Top (Feet)	Size (Inches)	Depth (Feet)	Cmt (Sacks)	Cmt Top (Feet)	Size (Inches)	Depth (Feet)	Cmt (Sacks)	Cmt Top (Feet)		Producing Interval	
																							Top Feet	Bottom Feet
Sec 14, T19S, R28E (Cont'd)																								
Millman (Yates-SR-QN-GB-SA) East																								
Ameristate Exploration, LLC		206	30-015 27351	East Millman Unit	G 2630' FNL 1310' FEL	OW	ACT	4-Jul-1993	2,650	8 5/8	389	350	Surf*	5 1/2	2,645	1,000	Surf*	1,890	2,266	QN-GB				
Ameristate Exploration, LLC		207	30-015 27466	East Millman Unit	I 1400' FSL 1180' FEL	OW	ACT	16-Jul-1993	2,840	8 5/8	370	350	Surf*	5 1/2	2,841	875	Surf*	1,830	2,366	QN-GB				
Ameristate Exploration, LLC		211	30-015 27527	East Millman Unit	O 330' FSL 2462' FEL	OW	ACT	18-Oct-1993	2,650	8 5/8	381	350	Surf*	5 1/2	2,649	650	Surf*	2,006	2,342	GB				
Ameristate Exploration, LLC		218	30-015 22089	East Millman Unit	O 810' FSL 1980' FEL	OW	ACT	28-May-1977	11,352	13 3/8	410	365	Surf	8 5/8	2,820	1,200	520	2,064	2,287	GB	Plug back from Morrow			
Ameristate Exploration, LLC		223	30-015 27766	East Millman Unit	O 330' FSL 1330' FEL	OW	ACT	28-Apr-1994	2,675	8 5/8	381	350	Surf*	5 1/2	2,674	975	Surf*	1,952	2,472	QN-GB				
Ameristate Exploration, LLC		225	30-015 28104	East Millman Unit	P 430' FSL 330' FEL	OW	ACT	17-Dec-1994	2,670	8 5/8	388	350	Surf*	5 1/2	2,664	800	Surf*	2,050	2,086	GB				
Ameristate Exploration, LLC		226	30-015 33667	East Millman Unit	I 1650' FSL 330' FEL	OW	ACT	16-Nov-2004	2,710	8 5/8	367	350	Surf	5 1/2	2,698	800	Surf	2,058	2,402	GB				
Sec 24, T19S, R28E																								
Millman (Yates-SR-QN-GB-SA) East																								
Dominion Oklahoma Texas E&P Co.		2	30-015 10352	State 'A'	D 330' FNL 330' FWL	OW	P&A	24-Dec-1964	2,282	8 5/8	340	175	Surf*	4 1/2	2,278	175	1277*	2,165	2,222	GB	Plugged Well			
Webb Oil Co.		1	30-015 23390	Ruth	B 330' FNL 2278' FEL	OW	P&A	3-Sep-1980	2,270	8 5/8	440	150	Surf	4 1/2	2,270	450	Surf	2,124	2,172	GB	Plugged Well			
Sec 7, T19S, R29E																								
Turkey Tract - Morrow (Gas)																								
Bold Energy, L.P.		1	30-015 23174	Conoco 7' State	N 660' FSL 1980' FWL	GW	ACT	28-Mar-1980	11,610	13 3/8	400	550	Surf	8 5/8	2690	1300	450	11,036	11,050	Morrow				
Parkway - Wolfcamp, North																								
Bold Energy, L.P.		10	30-015 23933	Conoco 7' State	F 1980' FNL 1980' FWL	GW	ACT	8-Dec-1981	11,550	13 3/8	377	375	Surf	8 5/8	3020	780	Surf	Unk	Unk	Wolfcamp				
Millman (Yates-SR-QN-GB-SA) East																								
John A. Yates		1	30-015 03622	E. Dundas	M 660' FSL 330' FWL	OW	P&A	11-Sep-1961	2,227	8 5/8	283	50	150*	4 1/2	2,163	125	1550*	1,773	2,096	QN-GB	Plugged Well			
John A. Yates		2	30-015 03623	E. Dundas	N 990' FSL 1650' FWL	OW	P&A	31-Jan-1962	2,348	7	309	50	150*	4 1/2	2,199	100	1450*	2,080	2,101	GB	Plugged Well			
Melrose Operating Co.		2	30-015 23693	Conoco 7' State	L 1980' FSL 541' FWL	OW	ACT	21-Mar-1981	3,801	8 5/8	450	600	Surf	4 1/2	3,792	1,085	Surf*	2,122	2,216	GB				
Melrose Operating Co.		3	30-015 23694	Conoco 7' State	E 1980' FNL 542' FWL	OW	ACT	26-Mar-1981	3,607	8 5/8	432	400	Surf	4 1/2	3,599	1,250	Surf*	2,142	2,472	GB				
Melrose Operating Co.		4	30-015 23919	Conoco 7' State	D 660' FNL 540' FWL	OW	ACT	25-Nov-1981	2,587	8 5/8	384	400	Surf	4 1/2	2,587	995	Surf	2,163	2,240	GB				
Melrose Operating Co.		5	30-015 23920	Conoco 7' State	F 2180' FNL 1740' FWL	WVW	ACT	9-Feb-1982	2,575	8 5/8	372	800	Surf	4 1/2	2,571	850	Surf	1,977	2,179	QN-GB				
Melrose Operating Co.		14	30-015 29006	Conoco 7' State	K 2630' FSL 1350' FWL	OW	ACT	27-Jul-1996	3,000	8 5/8	375	375	Surf	5 1/2	3,000	1,075	Surf*	2,182	2,542	GB				
Melrose Operating Co.		15	30-015 29197	Conoco 7' State	M 1310' FSL 937' FWL	OW	ACT	28-Oct-1996	3,027	8 5/8	342	350	Surf	5 1/2	3,025	1,100	Surf	2,137	2,582	GB				
Melrose Operating Co.		20	30-015 29438	Conoco 7' State	D 1310' FNL 1080' FWL	OW	ACT	12-Sep-1997	3,000	8 5/8	385	350	Surf*	4 1/2	2,994	925	Surf	2,187	2,546	GB				
Sec 18, T18S, R29E																								
Donnelly Drilling Co.		1	30-015 03597	Kinney - State	L 1980' FSL 540' FWL		D&A	30-Sep-1958	3,010	8 5/8	230	100	Surf*	5 1/2	2,414	185	1600*	1,859	2,258	QN-GB	Plugged Well			
Palmillo Seven Rivers																								
John A. Yates		1	30-015 03596	Campbell-Gwaltney	D 330' FNL 330' FWL	OW	P&A	20-Oct-1959	2,314	8 5/8	262	80	Surf*	4 1/2	2,314	300	680*	1,258	2,194	SR-QN-GB	Plugged Well			
Millman (Yates-SR-QN-GB-SA) East																								
Tejas Petroleum Co.		1-E	30-015 03598	Sindair-State 'A'	E 1650' FNL 330' FWL	OW	P&A	5-Feb-1960	2,581	8 5/8	258	50	50*	4 1/2	2,349	200	1432*	1,849	2,120	QN-GB	Plugged Well			
Turkey Tract - Morrow (Gas)																								
Bold Energy, L.P.		1	30-015 23681	Flag TD State Com	F 1980' FNL 1739' FWL	GW	ACT	4-May-1981	11,461	13 3/8	405	1,400	Surf	8 5/8	3000	1500	Surf	10,981	11,078	Morrow				

LEGEND

Well Type: OW Oil Well
GW Gas Well
WVW Water Injection Well
SWD Salt Water Disposal Well

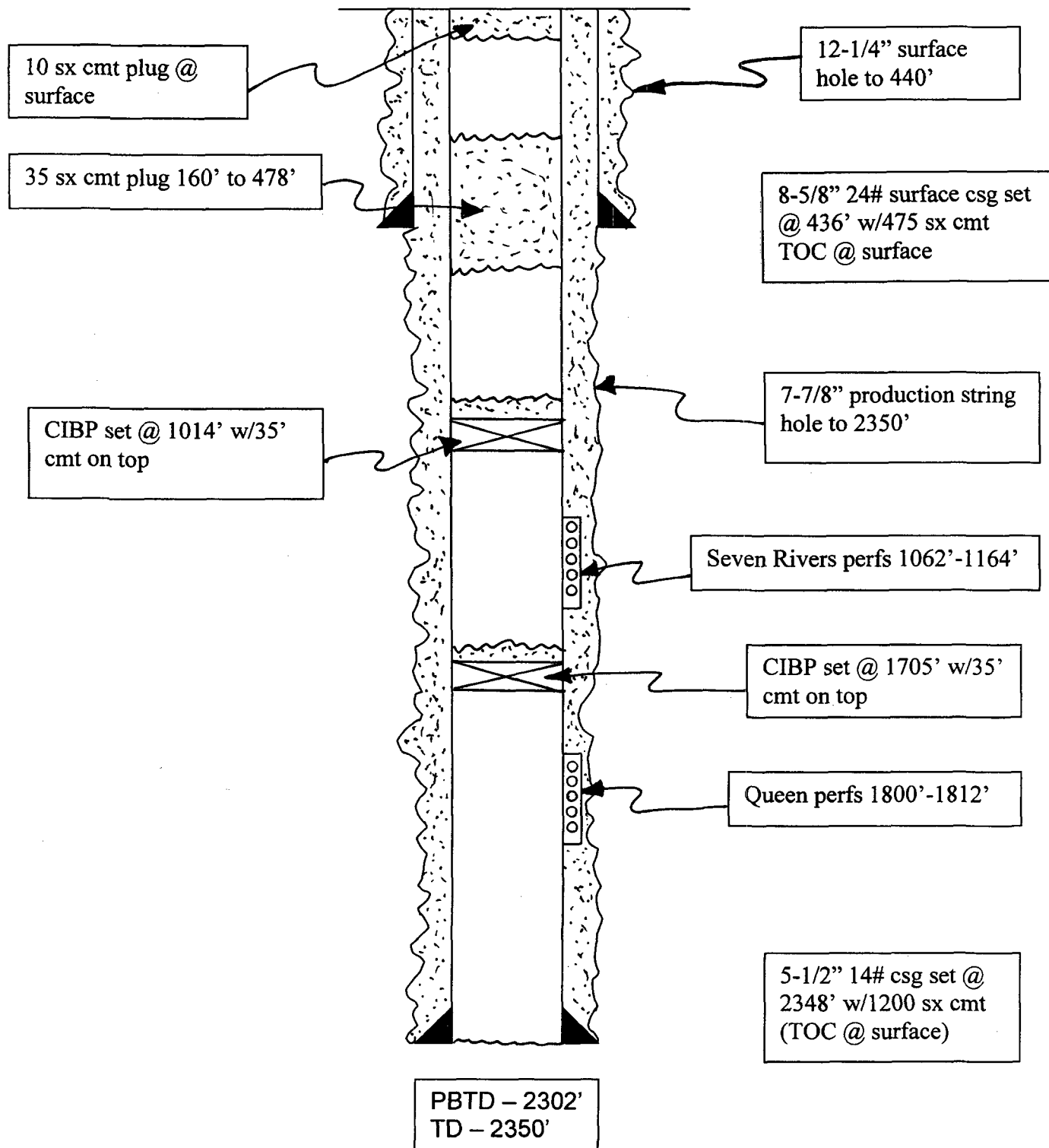
Well Status: ACT Active
TA Temporarily Abandoned
D&A Drilled & Abandoned
P&A Plugged & Abandoned

Formations: QN Queen
GB Grayburg
SR Seven Rivers
SA San Andres

ATTACHMENT 'C1'

Application for Authorization to Inject
Stephens & Johnson Operating Co.
East Millman Pool Unit
Millman (Yates, SR, QN, GB, SA) East Field
Eddy County, New Mexico

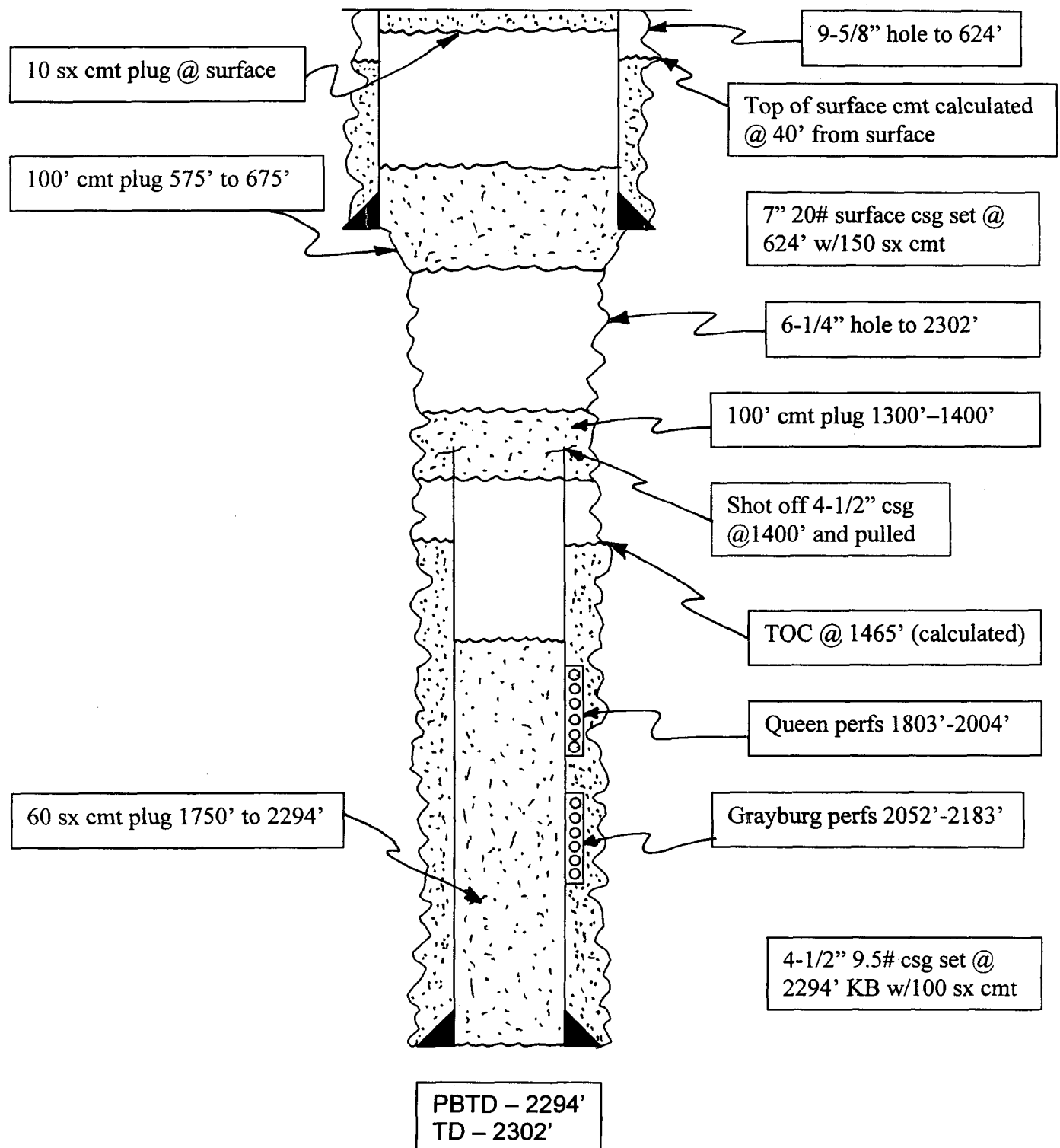
P&A Schematic
SDX Resources, Inc.
State 'BN' No. 6
API No. 30-015-27309
Sec 11, T19S, R28E, Unit Ltr "O"



ATTACHMENT 'C2'

Application for Authorization to Inject
Stephens & Johnson Operating Co.
East Millman Pool Unit
Millman (Yates, SR, QN, GB, SA) East Field
Eddy County, New Mexico

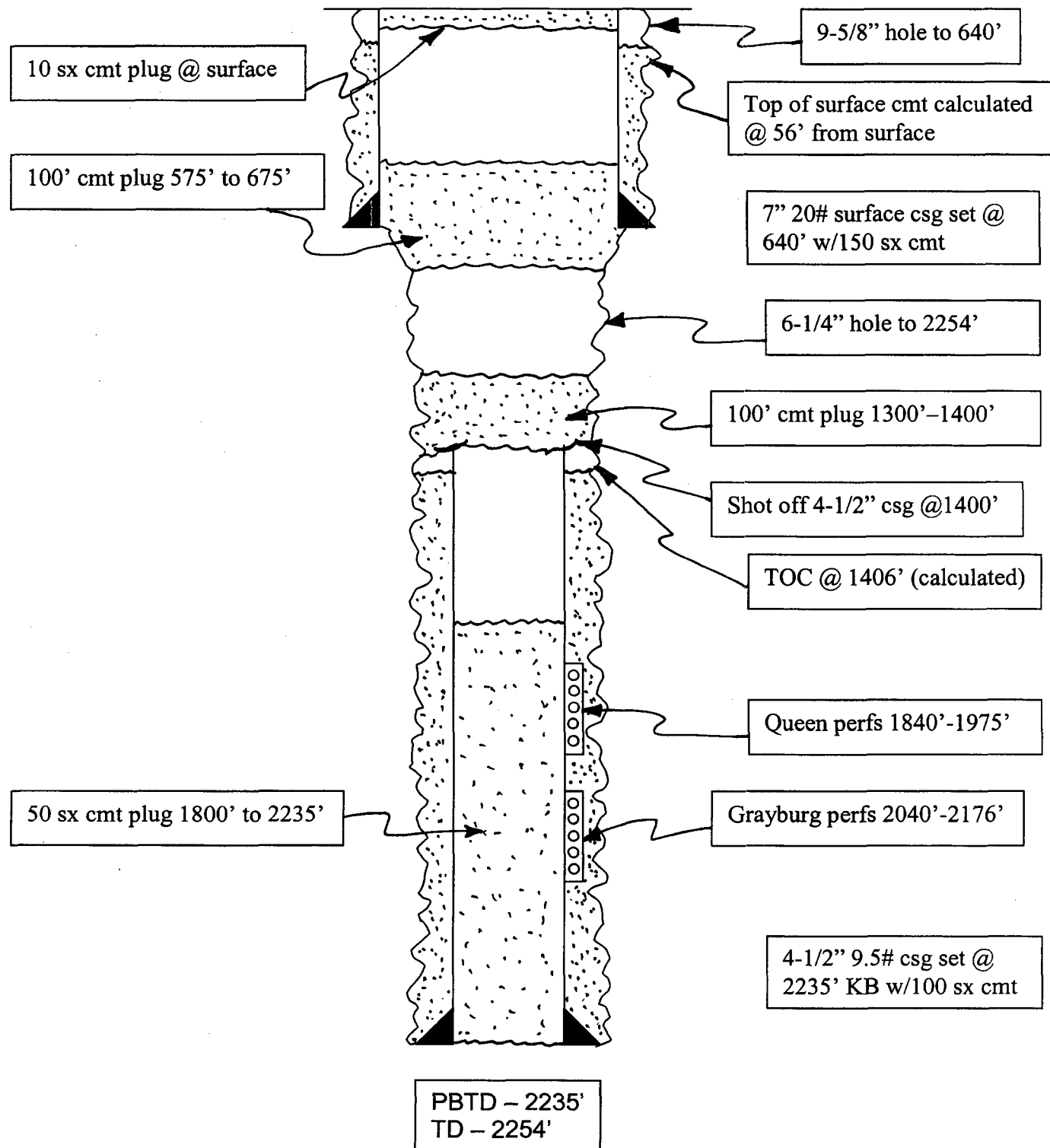
P&A Schematic
Southwest Production Corporation
Lowe State No. 1
API No. 30-015-10882
Sec 11, T19S, R28E, Unit Ltr 'G'



ATTACHMENT 'C3'

Application for Authorization to Inject
Stephens & Johnson Operating Co.
East Millman Pool Unit
Millman (Yates, SR, QN, GB, SA) East Field
Eddy County, New Mexico

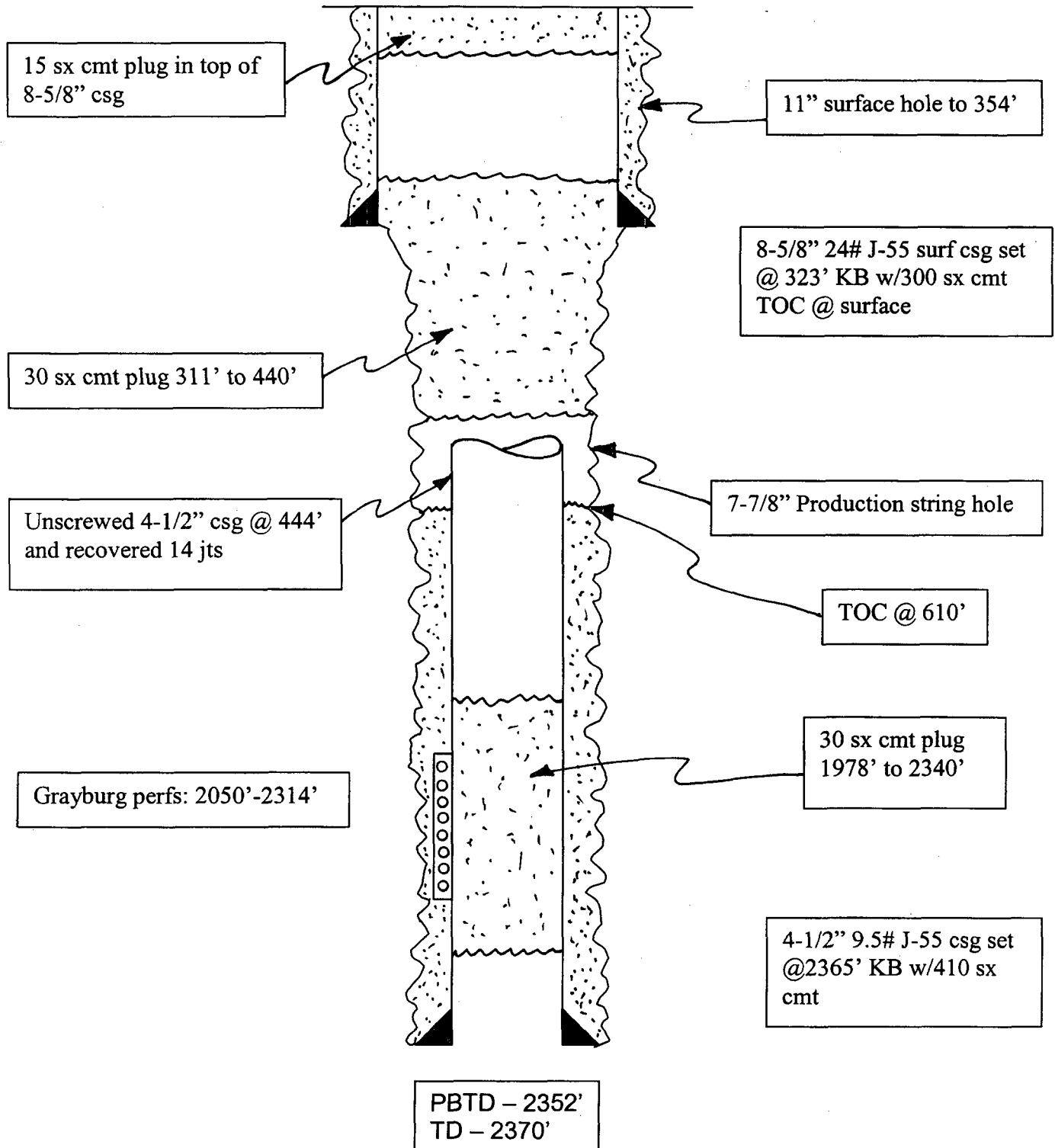
P&A Schematic
Southwest Production Corporation
Lowe State No. 2
API No. 30-015-10883
Sec 11, T19S, R28E, Unit Ltr 'H'



ATTACHMENT 'C4'

Application for Authorization to Inject
Stephens & Johnson Operating Co.
East Millman Pool Unit
Millman (Yates, SR, QN, GB, SA) East Field
Eddy County, New Mexico

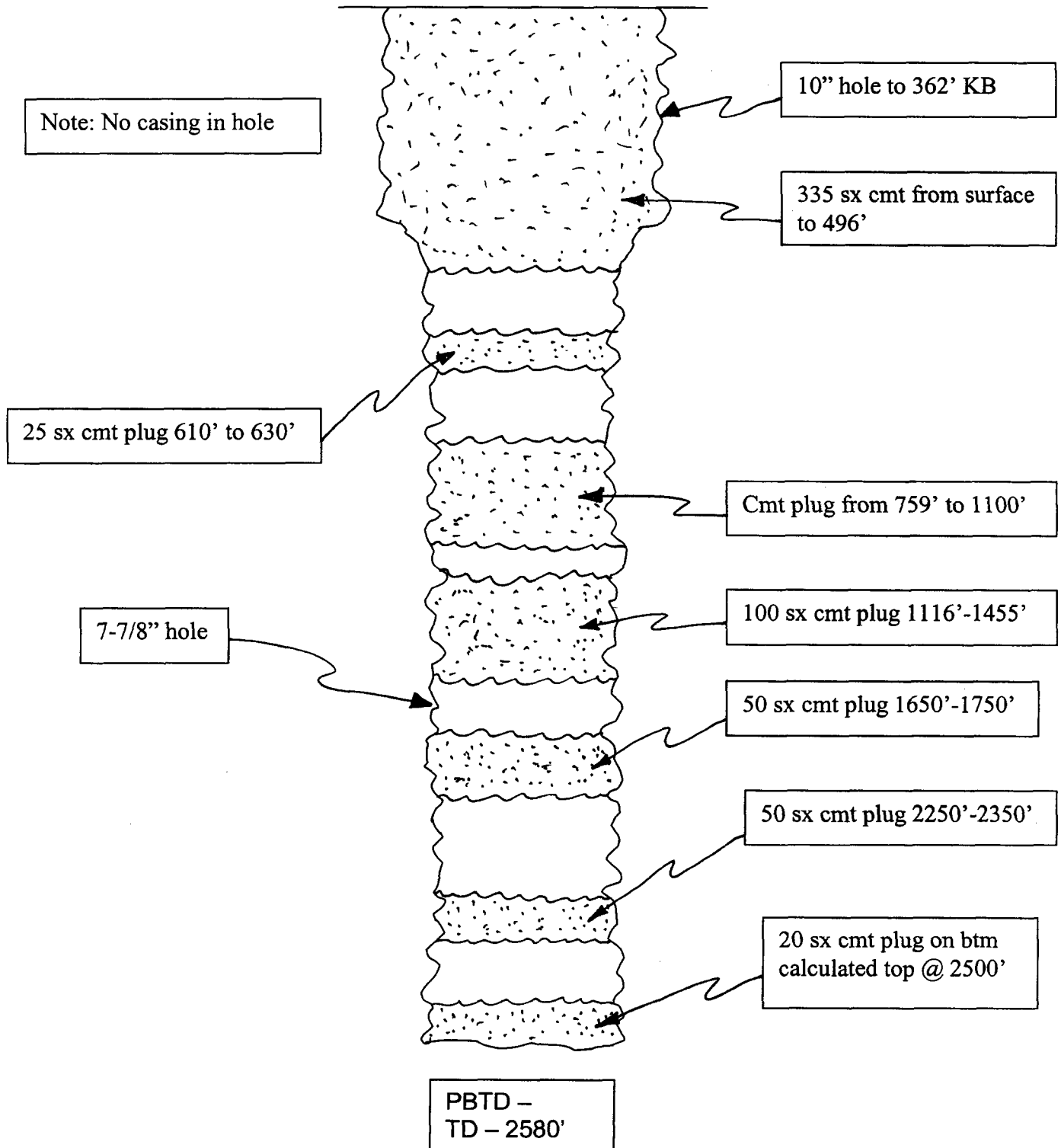
P&A Schematic
Perry R. Bass
Seltzer State No. 2
API No. 30-015-02218
Sec 12, T19S, R28E, Unit Ltr 'D'



ATTACHMENT 'C5'

Application for Authorization to Inject
Stephens & Johnson Operating Co.
East Millman Pool Unit
Millman (Yates, SR, QN, GB, SA) East Field
Eddy County, New Mexico

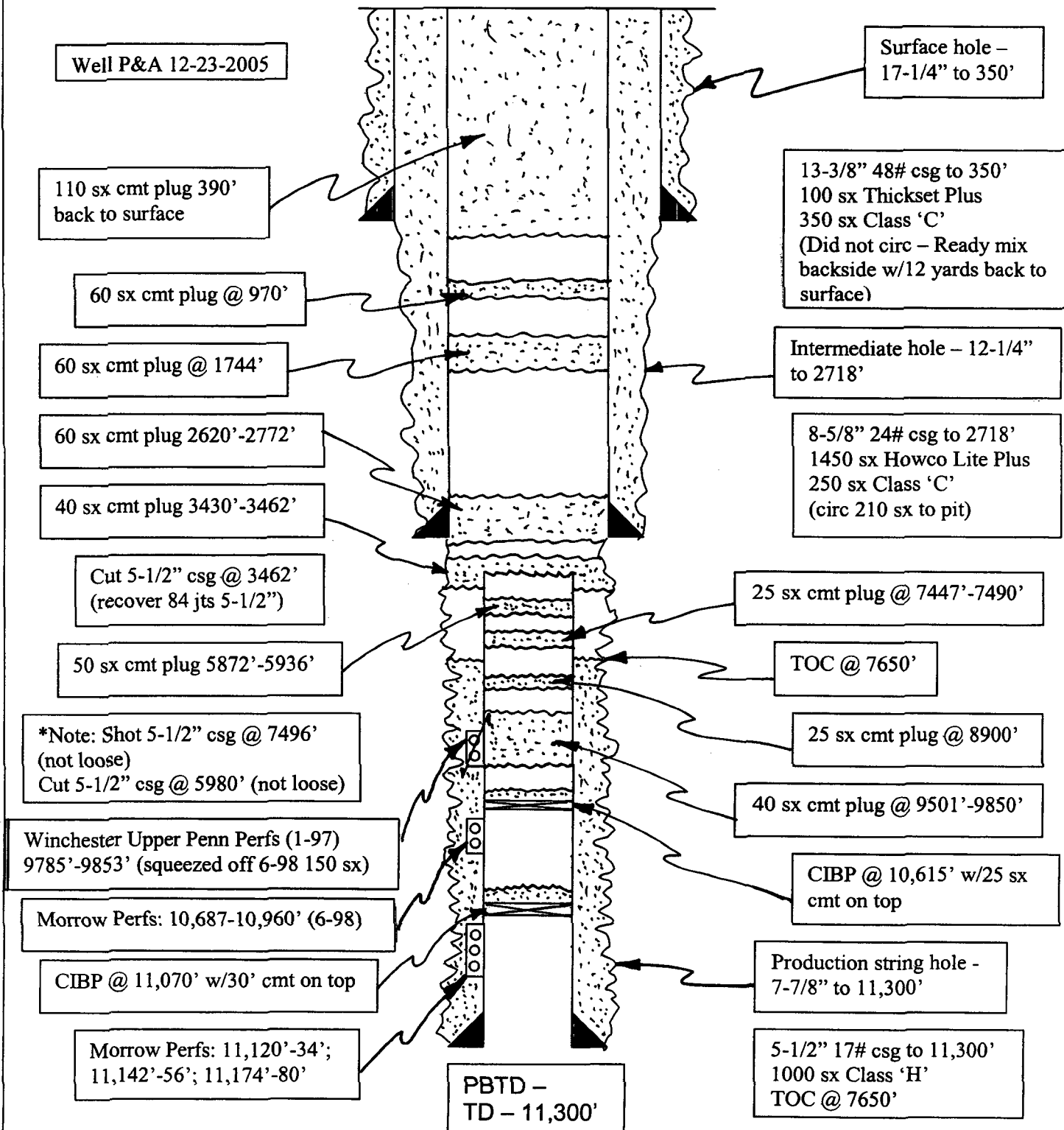
P&A Schematic
Nix and Curtis
R&B State No. 2
API No. 30-015-02224
Sec 12, T19S, R28E, Unit Ltr 'G'



ATTACHMENT 'C6'

Application for Authorization to Inject
 Stephens & Johnson Operating Co.
 East Millman Pool Unit
 Millman (Yates, SR, QN, GB, SA) East Field
 Eddy County, New Mexico

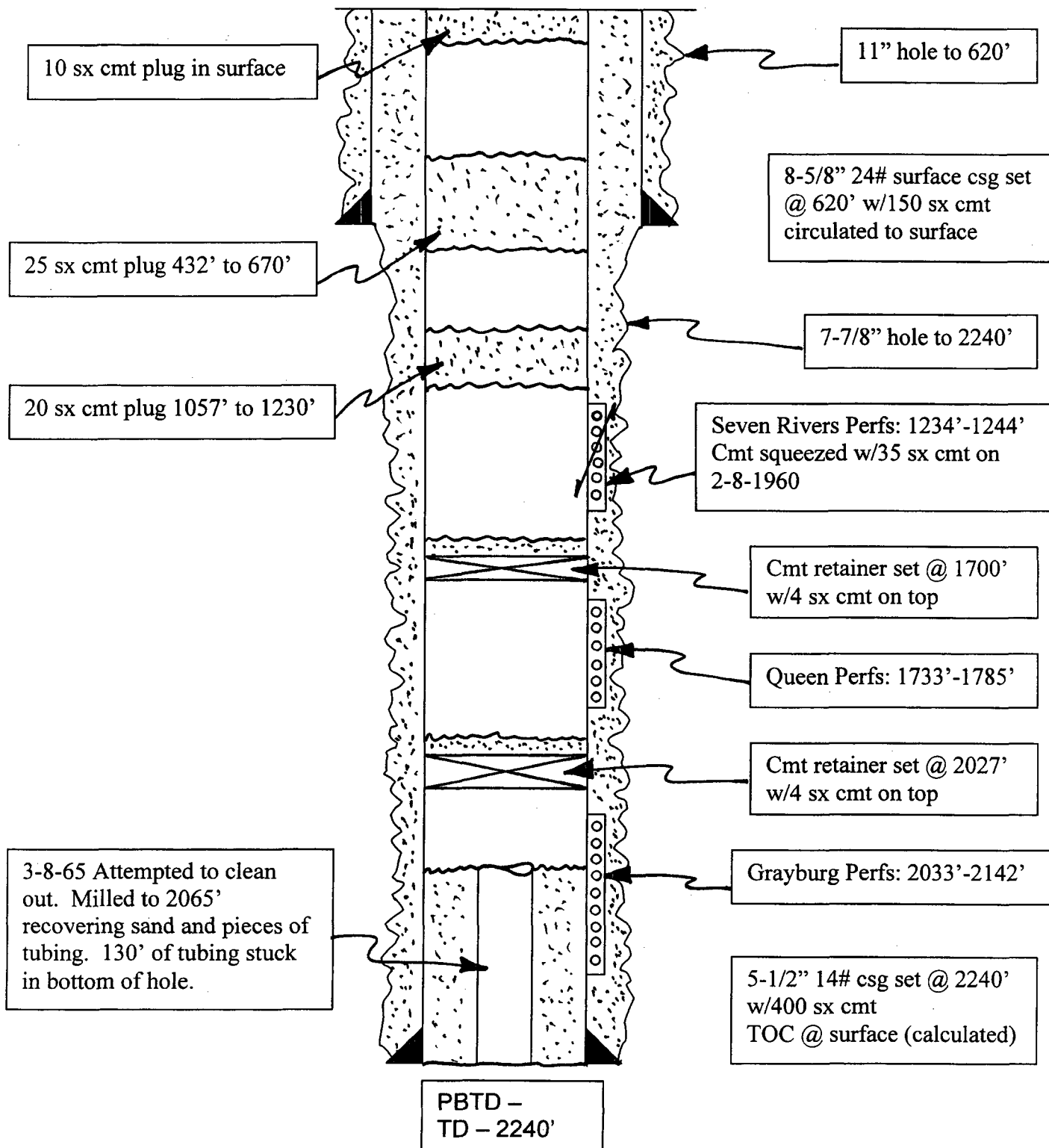
P&A Schematic
 EOG Resources, Inc.
 East Millman '13' Fed Com No.1
 API No. 30-015-25065
 Sec 13, T19S, R28E, Unit Ltr 'B'



ATTACHMENT 'C7'

Application for Authorization to Inject
 Stephens & Johnson Operating Co.
 East Millman Pool Unit
 Millman (Yates, SR, QN, GB, SA) East Field
 Eddy County, New Mexico

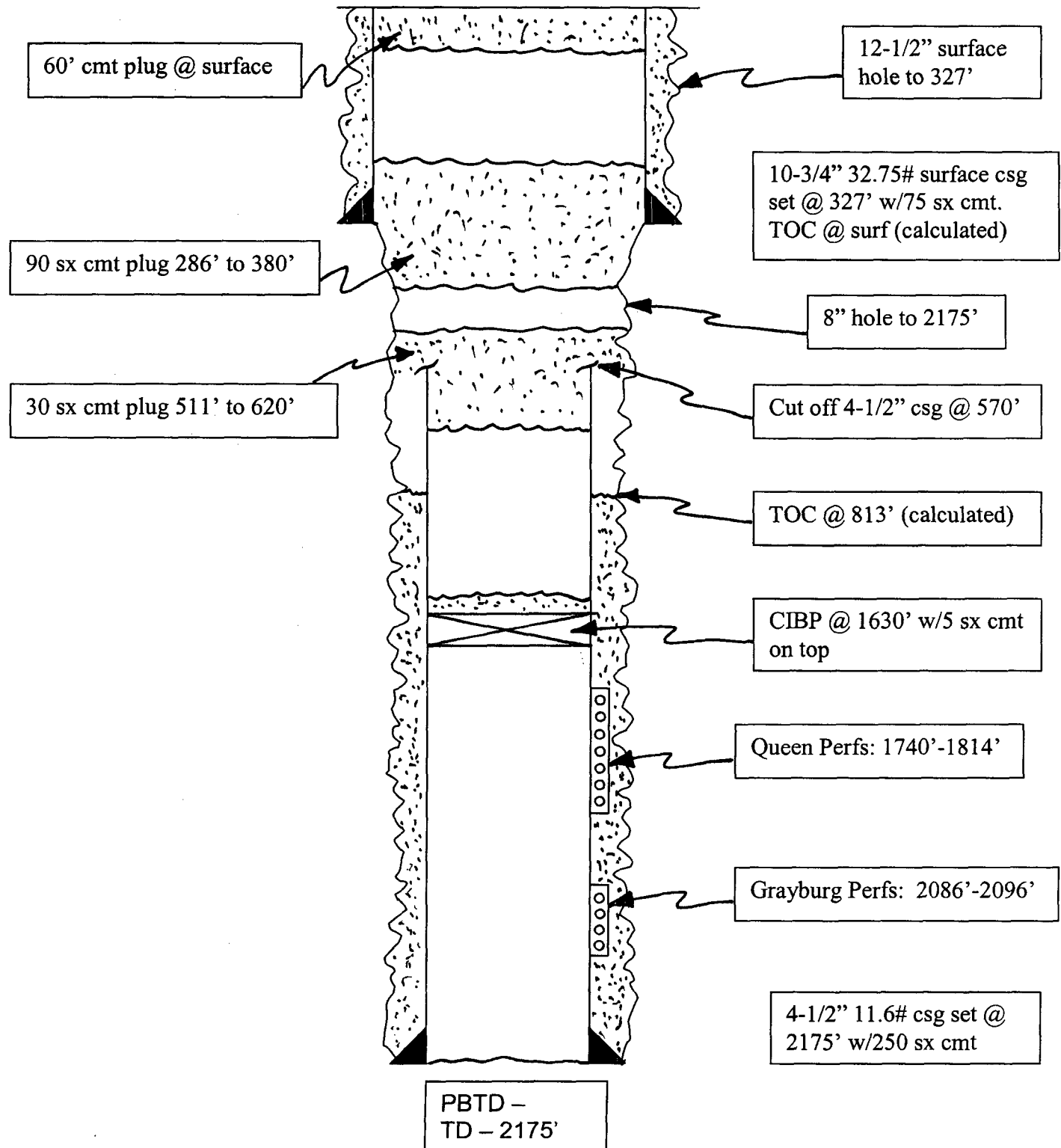
P&A Schematic
 Stephens & Johnson Operating Co.
 East Millman Pool Unit No.7-5
 API No. 30-015-02232
 Sec 13, T19S, R28E, Unit Ltr 'J'



ATTACHMENT 'C8'

Application for Authorization to Inject
Stephens & Johnson Operating Co.
East Millman Pool Unit
Millman (Yates, SR, QN, GB, SA) East Field
Eddy County, New Mexico

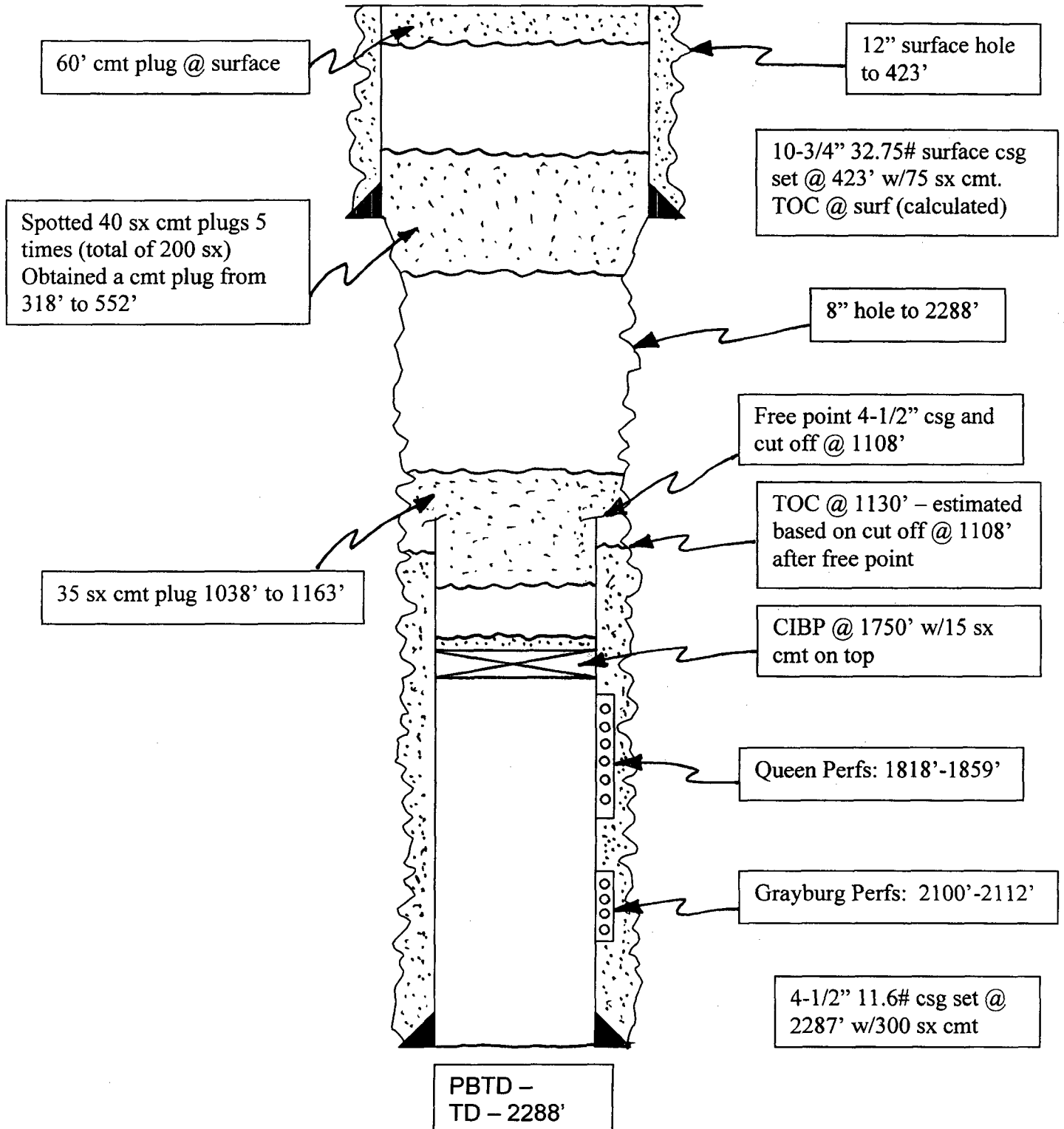
P&A Schematic
SDX Resources, Inc.
East Millman Unit No. 148
API No. 30-015-02250
Sec 14, T19S, R28E, Unit Ltr 'A'



ATTACHMENT 'C9'

Application for Authorization to Inject
 Stephens & Johnson Operating Co.
 East Millman Pool Unit
 Millman (Yates, SR, QN, GB, SA) East Field
 Eddy County, New Mexico

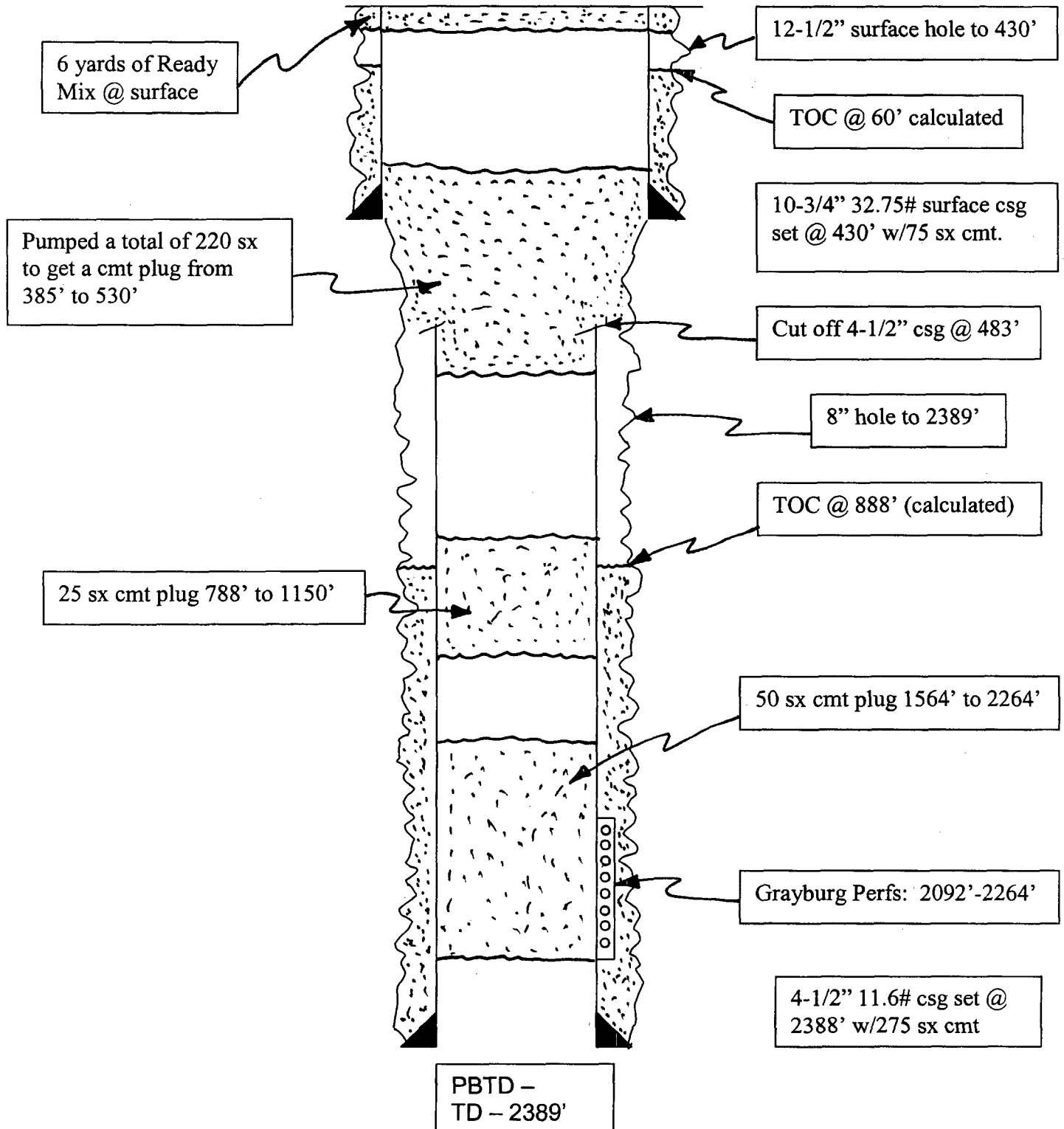
P&A Schematic
 SDX Resources, Inc.
 East Millman Unit No. 149
 API No. 30-015-02251
 Sec 14, T19S, R28E, Unit Ltr 'B'



ATTACHMENT 'C10'

Application for Authorization to Inject
Stephens & Johnson Operating Co.
East Millman Pool Unit
Millman (Yates, SR, QN, GB, SA) East Field
Eddy County, New Mexico

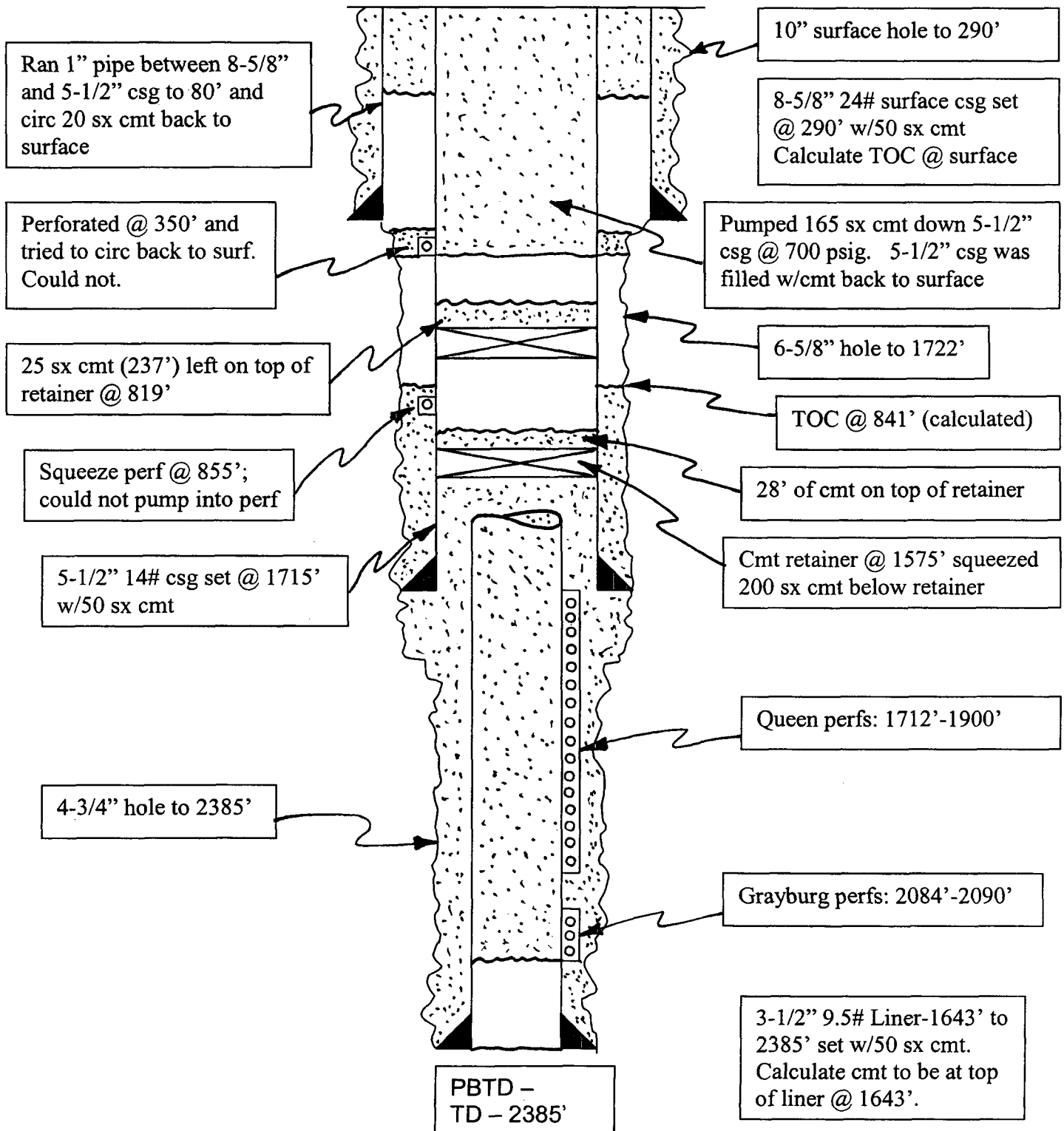
P&A Schematic
SDX Resources, Inc.
East Millman Unit No. 178
API No. 30-015-02255
Sec 14, T19S, R28E, Unit Ltr 'P'



ATTACHMENT 'C11'

Application for Authorization to Inject
 Stephens & Johnson Operating Co.
 East Millman Pool Unit
 Millman (Yates, SR, QN, GB, SA) East Field
 Eddy County, New Mexico

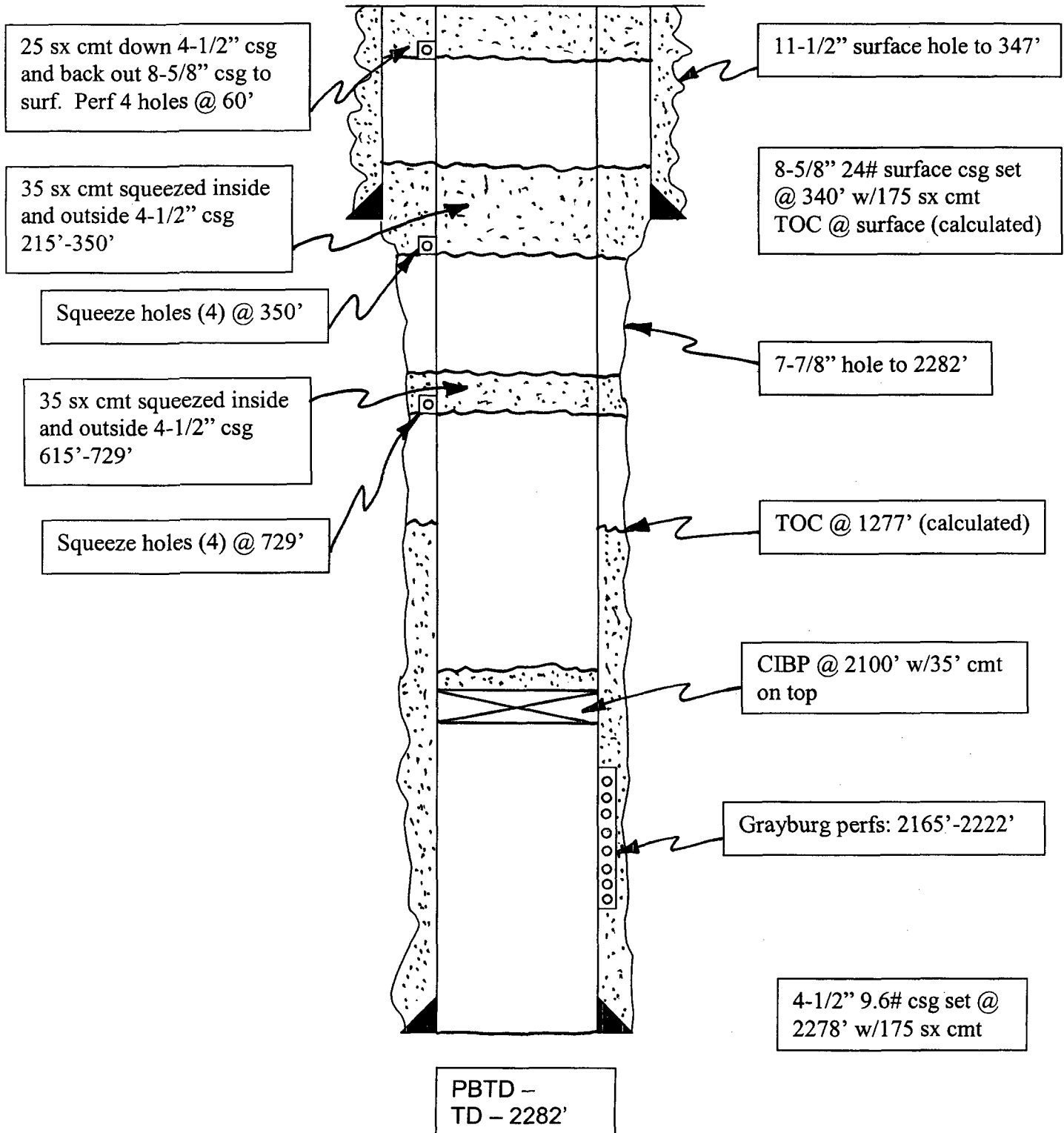
P&A Schematic
 Depco, Inc.
 East Millman Unit No. 182
 API No. 30-015-02241
 Sec 14, T19S, R28E, Unit Ltr 'O'



ATTACHMENT 'C12'

Application for Authorization to Inject
Stephens & Johnson Operating Co.
East Millman Pool Unit
Millman (Yates, SR, QN, GB, SA) East Field
Eddy County, New Mexico

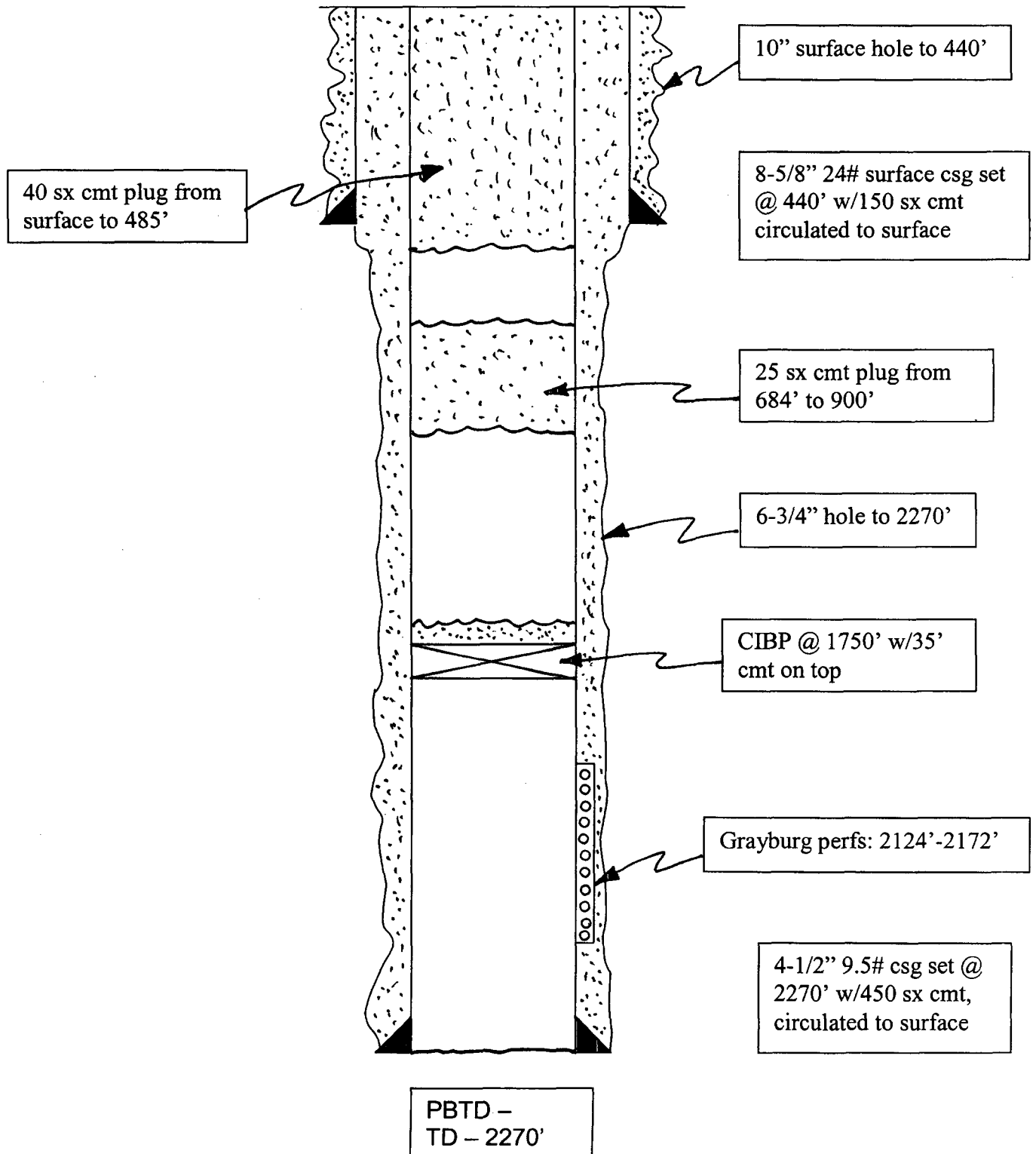
P&A Schematic
Dominion OK TX Expl. & Prod. Inc.
State 'A' No. 2
API No. 30-015-10352
Sec 24, T19S, R28E, Unit Ltr 'D'



ATTACHMENT 'C13'

Application for Authorization to Inject
Stephens & Johnson Operating Co.
East Millman Pool Unit
Millman (Yates, SR, QN, GB, SA) East Field
Eddy County, New Mexico

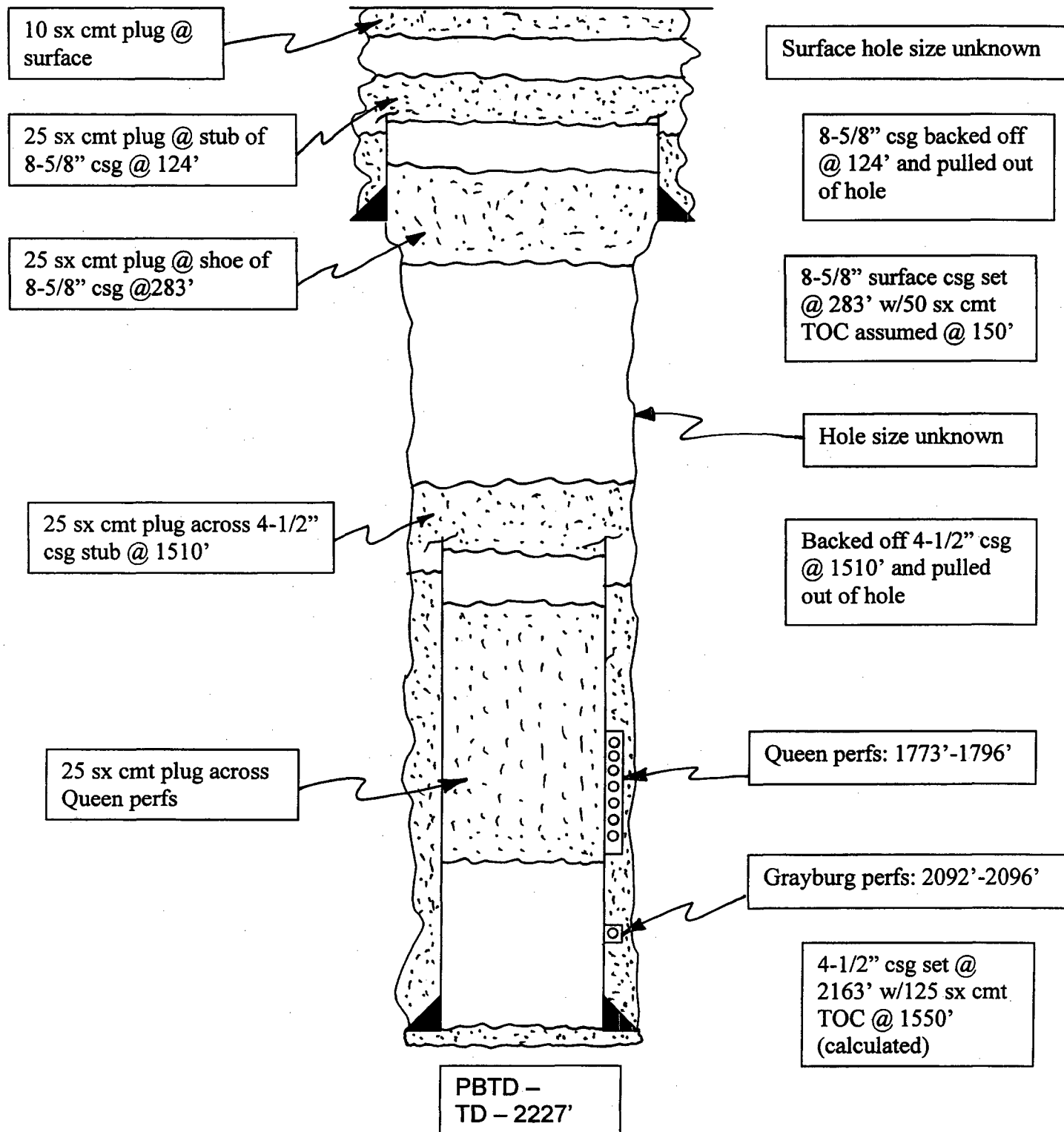
P&A Schematic
Webb Oil Company
Ruth State No. 1
API No. 30-015-23390
Sec 24, T19S, R28E, Unit Ltr 'B'



ATTACHMENT 'C14'

Application for Authorization to Inject
Stephens & Johnson Operating Co.
East Millman Pool Unit
Millman (Yates, SR, QN, GB, SA) East Field
Eddy County, New Mexico

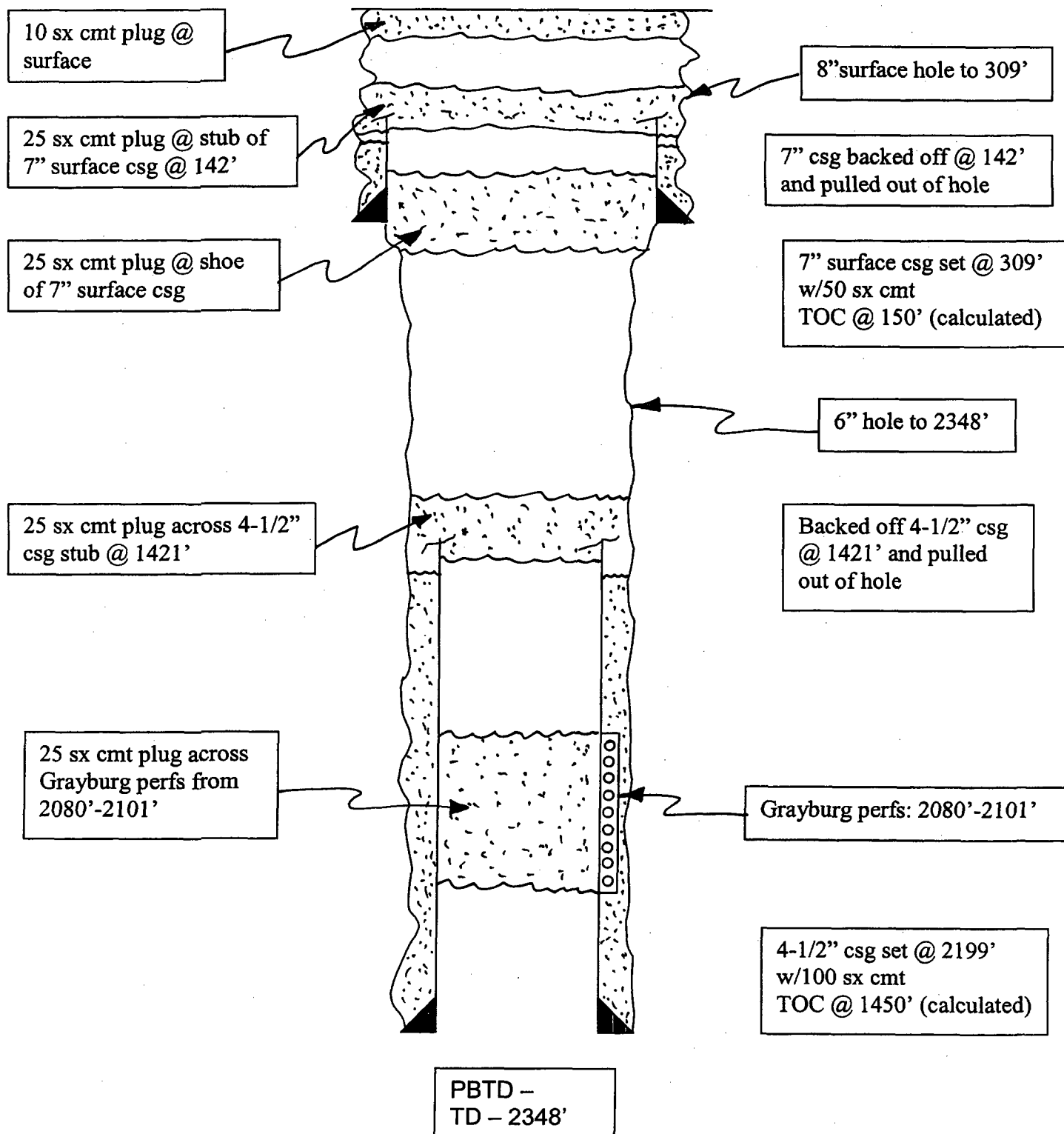
P&A Schematic
John A. Yates
E. Dundas No. 1
API No. 30-015-03622
Sec 7, T19S, R29E, Unit Ltr 'M'



ATTACHMENT 'C15'

Application for Authorization to Inject
Stephens & Johnson Operating Co.
East Millman Pool Unit
Millman (Yates, SR, QN, GB, SA) East Field
Eddy County, New Mexico

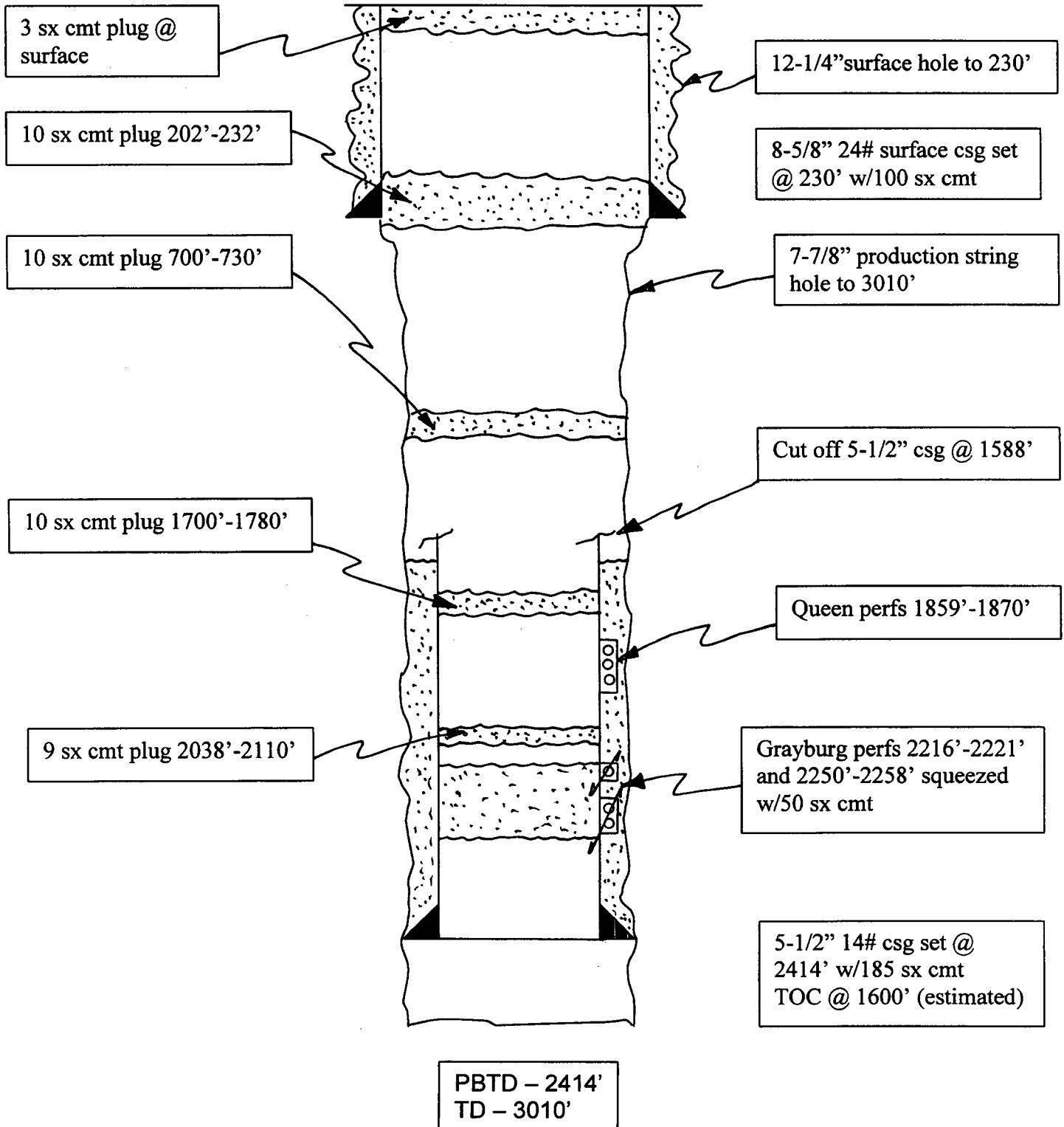
P&A Schematic
John A. Yates
E. Dundas No. 2
API No. 30-015-03623
Sec 7, T19S, R29E, Unit Ltr 'N'



ATTACHMENT 'C16'

Application for Authorization to Inject
Stephens & Johnson Operating Co.
East Millman Pool Unit
Millman (Yates, SR, QN, GB, SA) East Field
Eddy County, New Mexico

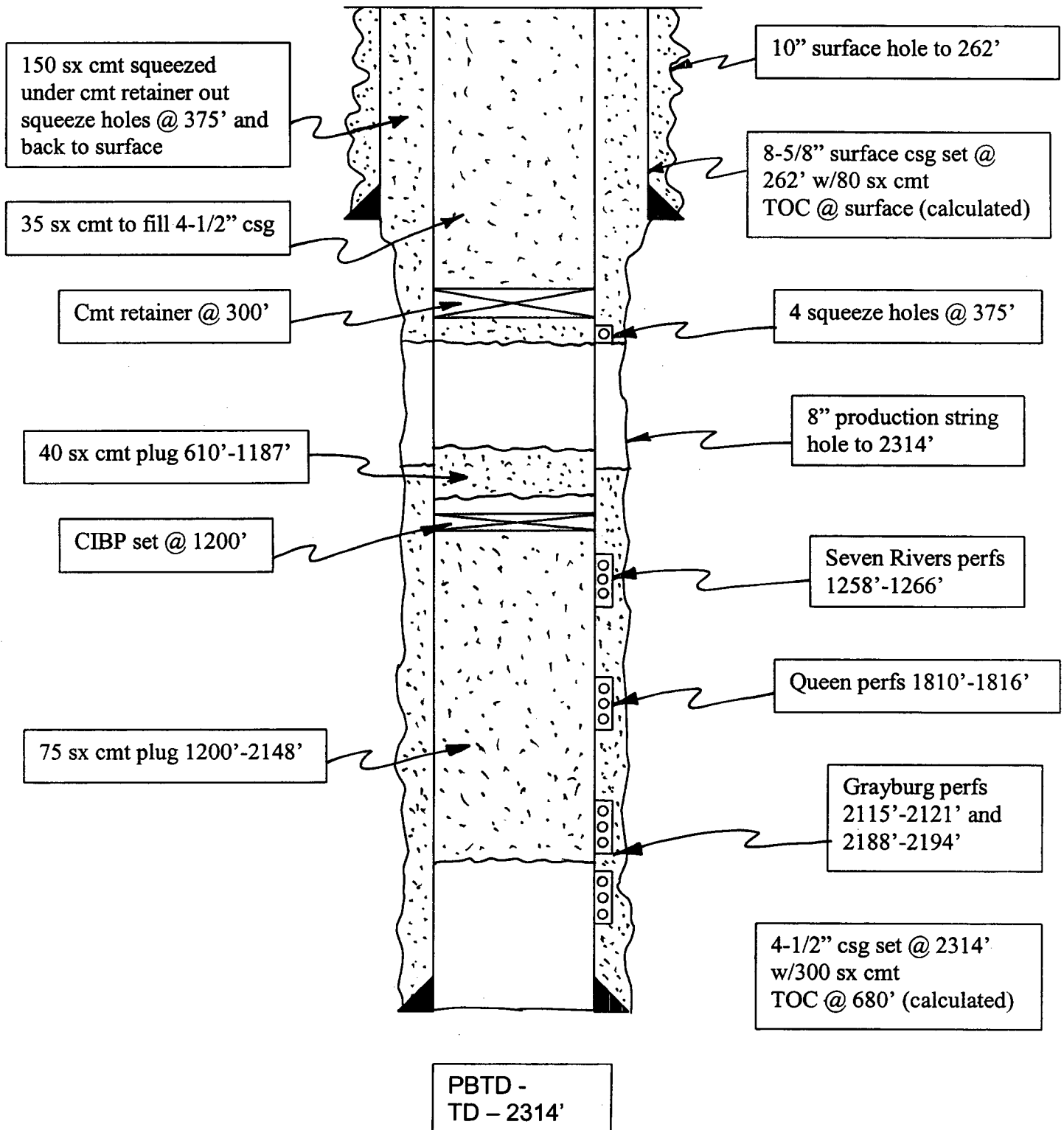
P&A Schematic
Donnelly Drilling Company
State No. 1
API No. 30-015-03597
Sec 18, T19S, R29E, Unit Ltr 'L'



ATTACHMENT 'C17'

Application for Authorization to Inject
 Stephens & Johnson Operating Co.
 East Millman Pool Unit
 Millman (Yates, SR, QN, GB, SA) East Field
 Eddy County, New Mexico

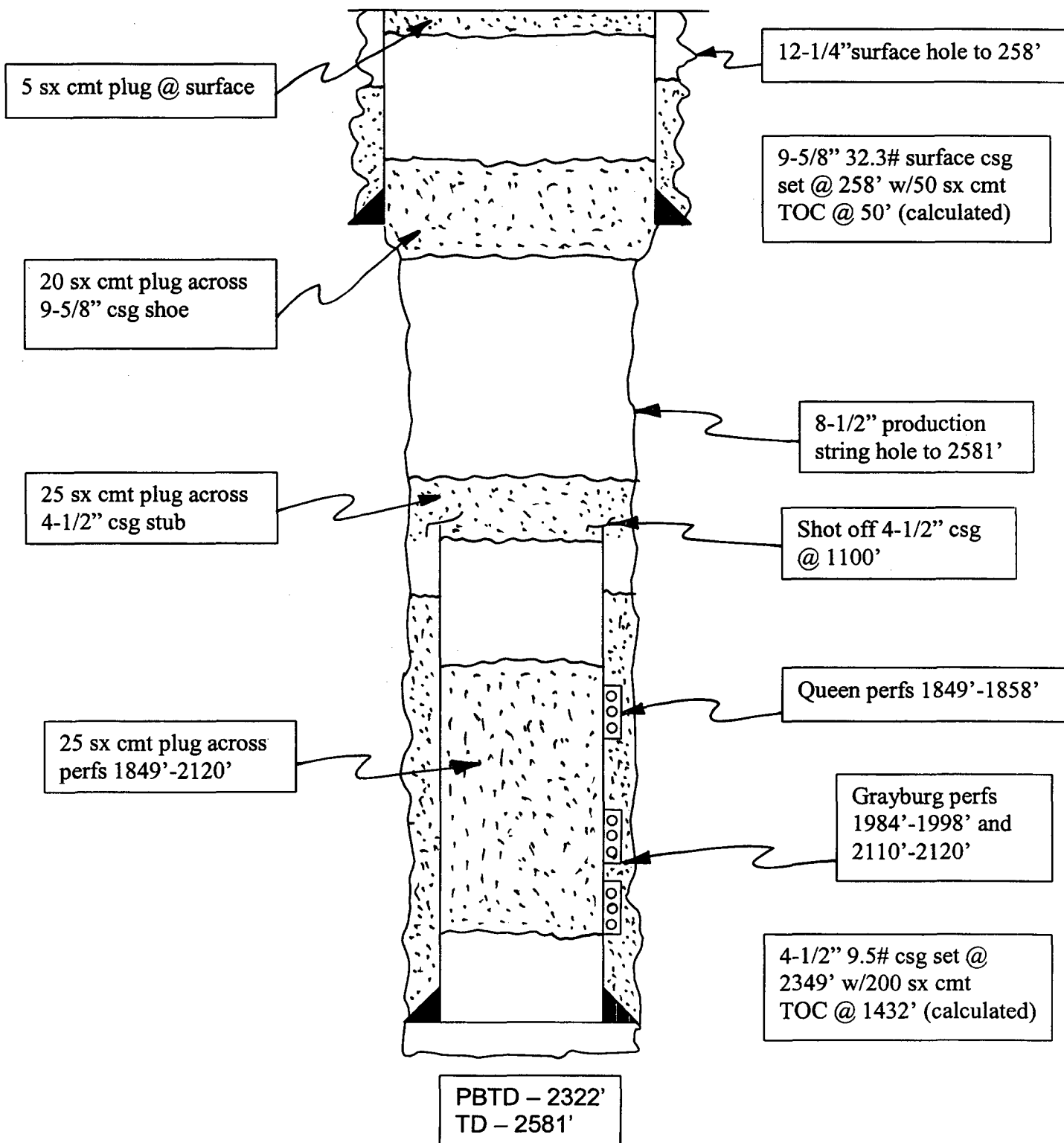
P&A Schematic
 John A. Yates
 Campbell-Gwaltney No. 1
 API No. 30-015-03596
 Sec 18, T19S, R29E, Unit Ltr 'D'



ATTACHMENT 'C18'

Application for Authorization to Inject
Stephens & Johnson Operating Co.
East Millman Pool Unit
Millman (Yates, SR, QN, GB, SA) East Field
Eddy County, New Mexico

P&A Schematic
Tejas Petroleum Co.
Sinclair-State 'A' No. 1-E
API No. 30-015-03598
Sec 18, T19S, R29E, Unit Ltr 'E'



ATTACHMENT "D"

List of all offset leasehold operators and surface owner that were sent certified letters of notification:

Leasehold Operators Within One-Half Mile:

COG Operating, LLC
550 W. Texas Ave., Suite 1300
Midland, TX 79701

Ameristate Exploration, LLC
P O Box 341449
Austin, TX 78734-0025

Bass Enterprises Production Co.
201 Main Street, Suite 3100
Fort Worth, TX 76102

EOG Resources, Inc.
4000 N. Big Spring, Suite 500
Midland, TX 79705

Bold Energy, L.P.
415 W. Wall, Suite 500
Midland, TX 79701

Melrose Operating Co.
5813 N.W. Grand Blvd., Suite B
Oklahoma City, OK 73118

Surface Owner:

State of New Mexico

Surface Lessee:

Dagger Draw Ranch, Inc.
P O Box 1061
Carlsbad, NM 88221

Note: Proof of Delivery to be submitted upon our receipt of same.

Affidavit of Publication

NO. 19395

STATE OF NEW MEXICO

County of Eddy:

Gary D. Scott being duly

sworn, says: That he is the Publisher of The
 Artesia Daily Press, a daily newspaper of general
 circulation, published in English at Artesia, said county
 and county and state, and that the here to attached

Legal Notice

was published in a regular and entire issue of the said
 Artesia Daily Press, a daily newspaper duly qualified
 for that purpose within the meaning of Chapter 167 of
 the 1937 Session Laws of the state of New Mexico for
1 Consecutiv week/days on the same
 day as follows:

First Publication August 22 2006

Second Publication

Third Publication

Fourth Publication

Subscribed and sworn to before me this

22nd Day August 2006

Barbara Ann Boas
 Notary Public, Eddy County, New Mexico

My Commission expires September : 23, 2007

Copy of Publication:**LEGAL NOTICE**

**NOTICE OF
 APPLICATION FOR
 FLUID INJECTION
 WELL PERMIT**

Stephens & Johnson Op-
 erating Co., P.O. Box
 2249, Wichita Falls, TX
 76307 is applying to the
 New Mexico Oil
 Conservation Division for
 a permit to inject fluid
 into a formation which is
 productive of oil or gas.

The applicant proposes
 to inject fluid into the
 Queen and Grayburg for-
 mations, East Millman
 Pool Unit, Track 4 Well
 Number 2. The proposed
 injection well is located
 in

Sec. 13, T-19-S, R-28-E,
 Unit Ltr. D, 660' FNL &
 660' FWL, in Eddy Coun-
 ty, New Mexico. Fluid will
 be injected into strata in
 the average subsurface
 depth interval from 1656
 feet to 2148 feet. Expect-
 ed maximum injection
 rate will be 600 BWPD
 and the maximum injec-
 tion pressure will be 900
 psig.

Interested parties must
 file objections or re-
 quests for hearings
 with the Oil Conserva-
 tion Division, 1220
 South St. Francis
 Drive,
 Santa Fe, New Mexico
 87505.

Published in the Artesia
 Daily Press, Artesia,
 N.M. August 22, 2006.

Legal 19395

AUG 31 2006

Affidavit of Publication

NO. 19396

STATE OF NEW MEXICO

County of Eddy:

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Notary Public, Eddy County, New Mexico

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productive of oil or gas.
The applicant proposes
to inject fluid into the
Queen and Grayburg for-
mations, East Millman
Pool Unit, Track 4 Well
Number 4. The proposed
injection well is located
in

Sec. 13, T-19-S, R-28-E,
Unit Ltr. M, 660' FSL &
660' FWL, in Eddy Coun-
ty, New Mexico. Fluid will
be injected into strata in
the average subsurface
depth interval from 1784
feet to 2214 feet. Expect-
ed maximum injection
rate will be 600 BWPD
and the maximum injec-
tion pressure will be 900
psig.

Interested parties must
file objections or re-
quests for hearings
with the Oil Conserva-
tion Division, 1220
South St. Francis
Drive,
Santa Fe, New Mexico
87505.

Published in the Artesia
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Legal 19396

AUG 21 2006

Affidavit of Publication

NO. 19397

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into a formation which is
productive of oil or gas.
The applicant proposes
to inject fluid into the
Queen and Grayburg for-
mations, East Millman
Pool Unit, Track 4 Well
Number 6. The proposed
injection well is located
in
Sec. 13, T-19-S, R-28-E,
Unit Ltr. N, 990' FSL &
1980' FWL, in Eddy
County, New Mexico.
Fluid will be injected into
strata in the average
subsurface depth interval
from 2115 feet to 2218
feet. Expected maximum
injection rate will be 600
BWPd and the maxi-
mum
injection pressure will be
900 psig.
**Interested parties must
file objections or re-
quests for hearings
with the Oil Conserva-
tion Division, 1220
South St. Francis
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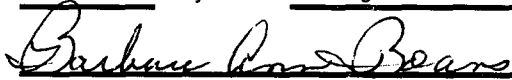
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into a formation which is
productive of oil or gas.
The applicant proposes
to inject fluid into the
Queen and Grayburg for-
mations, East Millman
Pool Unit, Track 5 Well
Number 1. The proposed
injection well is located
in

Sec. 12, T-19-S, R-28-E,
Unit Ltr. N, 330' FSL &
1980' FWL, in Eddy
County, New Mexico.
Fluid will be injected into
strata in the average
subsurface depth interval
from 1776 feet to 2234
feet. Expected maximum
injection rate will be 600
BWPD and the maxi-
mum

injection pressure will be
900 psig.

Interested parties must
file objections or re-
quests for hearings
with the Oil Conserva-
tion Division, 1220
South St. Francis
Drive,
Santa Fe, New Mexico
87505.

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 to inject fluid into the
 Queen and Grayburg for-
 mations, East Millman
 Pool Unit, Track 5 Well
 Number 2. The proposed
 injection well is located
 in

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 Unit Ltr. M, 330' FSL &
 660' FWL, in Eddy Coun-
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 be injected into strata in
 the average subsurface
 depth interval from 1676
 feet to 2212 feet. Expect-
 ed maximum injection
 rate will be 600 BWPD
 and the maximum injec-
 tion pressure will be 900
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403 E + 26-8

Affidavit of Publication

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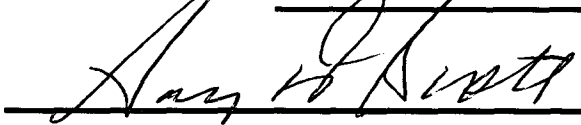
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into a formation which is
productive of oil or gas.The applicant proposes
to inject fluid into the
Queen and Grayburg for-
mations, East Millman
Pool Unit, Track 7 Well
Number 1. The proposed
injection well is located
inSec. 13, T-19-S, R-28-E,
Unit Ltr. F, 1980' FNL &
1980' FWL, in Eddy
County, New Mexico.Fluid will be injected into
strata in the average
subsurface depth interval
from 1722 feet to 2123
feet. Expected maximum
injection rate will be 600
BWPD and the maxi-
muminjection pressure will be
900 psig.**Interested parties must
file objections or re-
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with the Oil Conserva-
tion Division, 1220
South St. Francis
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mations, East Millman
Pool Unit, Track 7 Well
Number 2. The proposed
injection well is located
in

Sec. 13, T-19-S, R-28-E,
Unit Ltr. E, 1980' FNL &
660' FWL, in Eddy Coun-
ty, New Mexico. Fluid will
be injected into strata in
the average subsurface
depth interval from 1733
feet to 2185 feet. Expect-
ed maximum injection
rate will be 600 BWPD
and the maximum injec-
tion pressure will be 900
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Legal 19401

AUG 27 2006

Affidavit of Publication

NO. 19402

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Barbara Ann Beasly
 Notary Public, Eddy County, New Mexico

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 76307 is applying to the
 New Mexico Oil

Conservation Division for
 a permit to inject fluid
 into a formation which is
 productive of oil or gas.
 The applicant proposes
 to inject fluid into the
 Queen and Grayburg for-
 mations, East Millman
 Pool Unit, Track 7 Well
 Number 4. The proposed
 injection well is located
 in

Sec. 13, T-19-S, R-28-E,
 Unit Ltr. L, 2310' FSL &
 660' FWL, in Eddy Coun-
 ty, New Mexico. Fluid will
 be injected into strata in
 the average subsurface
 depth interval from 1734
 feet to 2200 feet. Expect-
 ed maximum injection
 rate will be 600 BWPD
 and the maximum injec-
 tion pressure will be 900
 psig.

**Interested parties must
 file objections or re-
 quests for hearings
 with the Oil Conserva-
 tion Division, 1220
 South St. Francis
 Drive,
 Santa Fe, New Mexico
 87505.**

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