		SUSPENSE	ENGINEER	LOGGED BY	Түре	
		·	ABOVE THIS LINE FOR DIVISION L			
		NEW MEX	ICO OIL CONSERV		ON	
			- Engineering Bure	au -		
	A	DMINISTRAT	IVE APPLICA	TION COVE	ER SHEET	
			MINISTRATIVE APPLICATION	S FOR EXCEPTIONS TO	DIVISION RULES AND REGULATIO	DNS
, ₩23,414	[PC-Poo [\	[NSP-Non-Standard [DD-Direction nole Commingling] I Commingling] [0 WFX-Waterflood Exp [SWD-Salt Wate	al Drilling] [SD-Sin [CTB-Lease Commi DLS - Off-Lease Store pansion] [PMX-Pres r Disposal] [IPI-Inje	ige] [OLM-Off- issure Maintenand oction Pressure I	cation] Pool/Lease Commingling] Lease Measurement] ce Expansion]	
1]	TYPE OF A [A]		eck Those Which App g Unit - Directional D P DD D Si	rilling		
	Check [B]	Cone Only for [B] a Commingling - Sta DHC CT	orage - Measurement	C DOLS [OLM	
	[C]	Injection - Dispos I WFX DPM	al - Pressure Increase X 🔲 SWD 🗔 I		ecovery ⊐ PPR	
2]	NOTIFICAT [A]		TO: - Check Those W lty or Overriding Roy	• • • •		
	[B]	🛛 Offset Operator	rs, Leaseholders or Su	rface Owner		
	[C]	Application is (One Which Requires F	Published Legal N	lotice	
	[D]	Notification and U.S. Bureau of La	d/or Concurrent Appr Ind Management - Commissioner o	Oval by BLM or S Public Lands, State Land C	LO Mico	
	[E]	🛛 For all of the at	pove, Proof of Notific	ation or Publication	on is Attached, and/or,	
	[F]	🗅 Waivers are At	tached			

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data (including API numbers, pool codes, etc.), pertinent information and any required notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

outoment must be completed by an im	unvaluat with supervisory capacity.
1. M	
Mah DVS	President, Hanag
Signature	Title

STATE OF NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT Oil Conservation Div. 2040 Pacheco St. Santa Fe, NM 87505 Call 12023

FORM C-108 Revised 7-1-81

APPLICATION FOR AUTHORIZATION TO INJECT

I.	PURPOSE: X Secondary Recovery Pressure Maintenance Disposal Storage Application qualifies for edministrative approval? X Yes No
Ц.	OPERATOR: Hanagan Petroleum Corporation
	ADDRESS: P.O. Box 1737 - Roswell, New Mexico 88202-1737
	CONTACT PARTY: Mike Hanagan PHONE: 623-5053
ш.	WELL DATA: Complete the data required on the reverse side of this form for each well processed for injection. Additional sheets may be attached if necessary.
IV.	Is this an expansion of an existing project: X Yes No If yes, give the Division order number authorizing the project R-8611
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:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
VIII.	Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/1 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.
Х.	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 source 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:	Michael G. Hanagan	TITLE: President
SIGNATU	RE: MAMS D	DATE: _7/14/98

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 circumstance of the earlier submittal.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

FORM C-108 APPLICATION FOR AUTHORIZATION TO INJECT

Hanagan Petroleum Corporation <u>Twin Lakes San Andres Unit Wells:</u> #3, #5, #10, #12, #14, #18, #20, #22, #26, #29, #36, #39, #41, #42, #45, #47, #49, #51, #58, #60, #69, #72, #77, #79, #87, #89, #94, #102, #106, #110, #112, #117, #120 and #123 (34 wells)

- L PURPOSE: Secondary Recovery Application does qualify for administrative approval.
- II. OPERATOR:Hanagan Petroleum Corporation Post Office Box 1737 Roswell, New Mexico 88202-1737 Contact Party: Mike Hanagan Phone: (505) 623-5053
- III. WELL DATA: See attached data sheets and schematics for each well.
- IV. This is an expansion of an existing project as authorized by Division order number R-8611 and order number WFX-582.
- V. AREA OF REVIEW MAP: See attached Map C-108 Item V.
- VI. AREA OF REVIEW WELL DATA: With the exception of the wells listed below, which have been drilled, plugged or in which borehole conditions have changed subsequent to September 9, 1987; All required data on wells within the area of review was previously submitted and accepted on September 9, 1987 at the NMOCD hearing on Pelto Oil Company's application for waterflood project (OCD order # R-8611) and remains current.

A tabulation and schematic for the following wells which were drilled, plugged or in which borehole conditions have changed is attached hereto: TLSAU #31 2310' FNL & 1650' FWL Section 31-T8S-R29E TLSAU #33 2310' FNL & 990' FEL Section 31-T8S-R29E TLSAU #62 330' FNL & 330' FWL Section 5-T9S-R29E TLSAU #121 1500' FNL & 1405' FWL Section 5-T9S-R29E TLSAU #122 1400' FNL & 250' FEL Section 36-T8S-R28E TLSAU #122 1400' FNL & 250' FEL Section 12-T9S-R28E TLSAU #200 2310' FSL & 990' FEL Section 12-T9S-R28E TLSAU #201 330' FSL & 1650' FWL Section 1-T9S-R28E

-1. 66 TLSAU #202 1300' FSL & 1300' FWL Section 36-T8S-R29E TLSAU #203 1650' FSL & 2310' FWL Section 6-T9S-R29E

In addition to those wells shown above, there are two wells within the area of review that ,by letters dated 11/18/97, the NMOCD has requested the operator to show cause as to why the wells should not be plugged and abandoned. The certified letters sent by NMOCD to the operator were returned to NMOCD as undeliverable. There is no other indication of subsequent activity in the NMOCD files so it is our assumption that these wells remain in the conditions existing on September 9, 1987 and therefore have been previously submitted and accepted on September 9, 1987 at the NMOCD hearing on Pelto Oil Company's application for waterflood project (NMOCD order # R-8611). An inspection of the 2 wells on July 14, 1998 confirms that production equipment (i.e., tank battery and pumpjacks) are still in place and apparently operational. The 2 subject wells are:

Sandco Oil and Gas, Inc. #2 Sandco 2310' FNL & 1650' FEL Section 25 - T8S - R28E

Sandco Oil & Gas, Inc. #3 Sandco 990' FNL & 330' FEL Section 25 - T8S - R28E

VII. PROPOSED OPERATION:

- 1. Average injection rate of 300-500 barrels per day with maximum injection of 750 barrels per day.
- 2. The system is a closed injection system.
- 3. Maximum injection pressure will be limited to 0.2 psi/ft. Average injection pressure will not be known until commencement of injection.
- 4. The source water will be a mixture of Ogalla and produced water. Analysis and compatibility of injection water has been previously submitted.
- 5. Not applicable
- VIII. GEOLOGIC DATA: All required geologic data on wells within the area of review was previously submitted and accepted on September 9, 1987 at the NMOCD hearing on Pelto Oil Company's application for waterflood project (OCD order # R-8611) and remains current.
- IX. STIMULATION PROGRAM: No initial stimulations are planned on these wells; however, should injection rate be insufficient the wells will be acidized with 5,000 gallons to 10,000 gallons of 20% hydrochloric acid.
- X. WELL LOGS: All well logs and test data have been filed with the Division.

- XI. WATER WELL ANALYSIS: Analysis on any water wells within one mile of any well was previously submitted and accepted on September 9, 1987 at the NMOCD hearing on Pelto Oil Company's application for waterflood project (OCD order # R-8611) and remains current. A search of State Engineer records in Roswell on July 2, 1998 revealed no new information on record.
- XII. Not applicable.
- XIII. PROOF OF NOTICE: The surface owner is David Kent Gabel whose address is Route 3, Hereford, Texas 79045. There are two leasehold operator within the area of review; (1) Willow Pipeline Company whose address is P.O. Box 131, Weatherford, Oklahoma 73096 and (2) Sandco Oil and Gas, Inc. whose last known address was P.O. Box 881, Mesilla Park, New Mexico 88047. Each of these parties have been provided notice of this application (See attached certified mail receipt).

For Proof of Publication see attached copy of the legal advertisement which will be published in the Roswell Daily Record on July 17, 1998.

XIV. CERTIFICATION:

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

Michael G. Hanagan, President

DATE: 7/14/98

TABLE C-108 III-A & B

C-108-III

ITEM

A1	WELL NAME:	Twin Lakes San Andres Unit # 3
A1	FOOTAGE:	1650 FSL & 1650 FEL
A1	SECTION:	25-T8S-R28E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	11"	7.875
A2	CASING SIZE:	8.625"	5.5"
A2	CASING WEIGHT:	20 #	14 #
A2	CASING DEPTH:	121'	2830'
A2	CEMENT:	75sx	125sx
A2	TOP OF CEMENT:	surface	2010'
		circ. 10sx	bond log

PROPOSED TUBULAR & PACKER INFORMATION

A3 TUBING: 2.375" EUE,J-55, 4.7#/ft,8rt. internally plastic coated or fiberglass lined

- A3 PACKER DEPTH: 2525' +/- 25'
- A4 PACKER TYPE: Halliburton R4 internally coated tension packer

B1	PROPOSED INJECTION FORMATION:	San Andres / Twin Lakes, San Andres
B2	PROPOSED INJECTION INTERVAL:	Perforations from: 2573'-2738'
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	563'
B3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

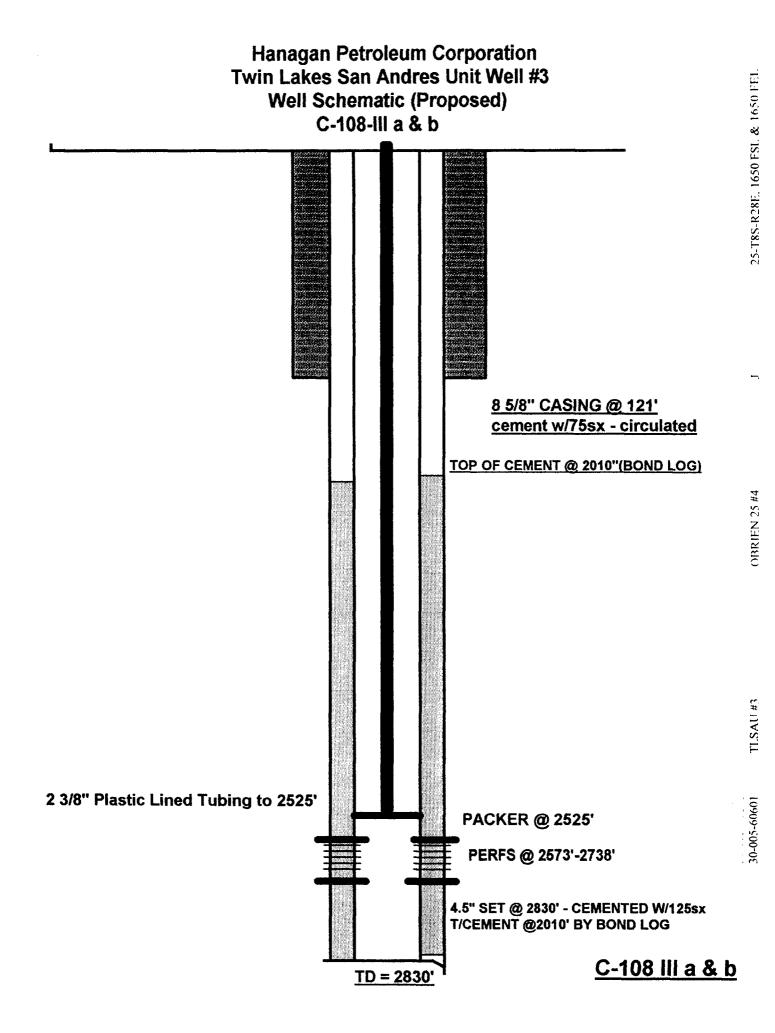


TABLE C-108 III-A & B

C-108-III

ITEM

A1	WELL NAME:	Twin Lakes San Andres Unit # 5
A1	FOOTAGE:	1650 FSL & 330 FWL
A1	SECTION:	30-T8S-R29E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.5"	7.875"
A2	CASING SIZE:	8.625"	5.5"
A2	CASING WEIGHT:	28 #	14 #
A2	CASING DEPTH:	115'	2760'
A2	CEMENT:	75sx	225sx
A2	TOP OF CEMENT:	surface	812'
		circulated	calculated

- A3 TUBING: 2.375" EUE,J-55,4.7#/ft. 8rt. intrrnally plastic coated or fiberglass lined
- A3 PACKER DEPTH: 2575' +/- 25'
- A4 PACKER TYPE: Halliburton R4 internally coated tension packer

B1	PROPOSED INJECTION FORMATION:	San Andres / Twin Lakes, San Andres
B2	PROPOSED INJECTION INTERVAL:	Perforations from: 2675' - 2661
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	1813'
B3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

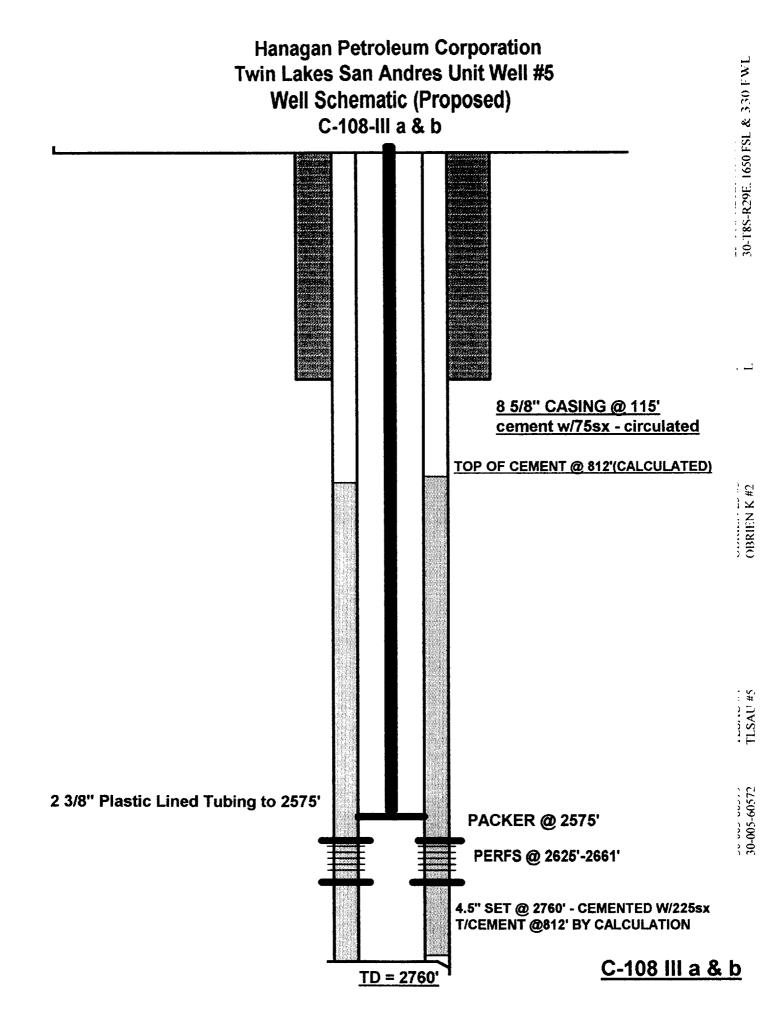


TABLE C-108 III-A & B

C-108-III

ITEM

A3

A1 A1	WELL NAME: FOOTAGE:	Twin Lakes San Andres Unit # 10 330' FSL & 2310 FWL
A1	SECTION:	25-T8S-R28E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.5"	7.875
A2	CASING SIZE:	8 .625	5.5"
A2	CASING WEIGHT:	20#/ft	14#/ft
A2	CASING DEPTH:	120'	2713'
A2	CEMENT:	75sx	175sx
A2	TOP OF CEMENT:	surface	2120'
		circulated	bond log

PROPOSED TUBULAR & PACKER INFORMATION

TUBING: 2.375" EUE, J-55, 4.7#/ft. 8rt. intrrnally plastic coated or fiberglass lined

- A3 PACKER DEPTH: 2515' +/- 25'
- A4 PACKER TYPE: Halliburton R4 internally coated tension packer

B1	PROPOSED INJECTION FORMATION:	San Andres / Twin Lakes, San Andres
B2	PROPOSED INJECTION INTERVAL:	Perforations from: 2565'-2599'
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	445'
B3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

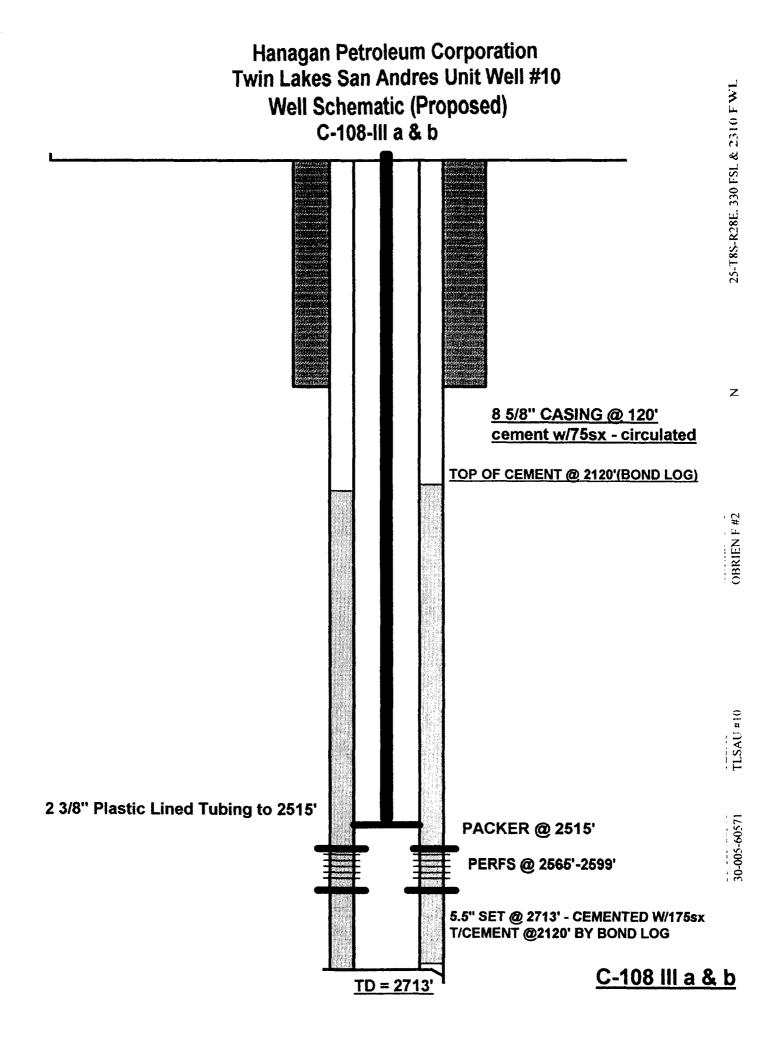


TABLE C-108 III-A & B

C-108-III

ITEM

A1	WELL NAME:	Twin Lakes San Andres Unit # 12
A1	FOOTAGE:	330 FSL & 330 FEL
A1	SECTION:	25-T8S-R28E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	11"	7.875"
A2	CASING SIZE:		8.625 5.5"
A2	CASING WEIGHT:	20#/ft	15.5#
A2	CASING DEPTH:	127'	2749'
A2	CEMENT:	70sx	125sx
A2	TOP OF CEMENT:	surface	1667'
		circulated	calculated

PROPOSED TUBULAR & PACKER INFORMATION

A3 TUBING: 2.375" EUE,J-55,4.7#/ft. 8rt. internally plastic coated or fiberglass lined

- A3 PACKER DEPTH: 2563' +/- 25'
- A4 PACKER TYPE: Halliburton R4 internally coated tension packer

B1	PROPOSED INJECTION FORMATION:	San Andres / Twin Lakes, San Andres
B2	PROPOSED INJECTION INTERVAL:	Perforations from: 2613'-2633'
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	946'
B 3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B 5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

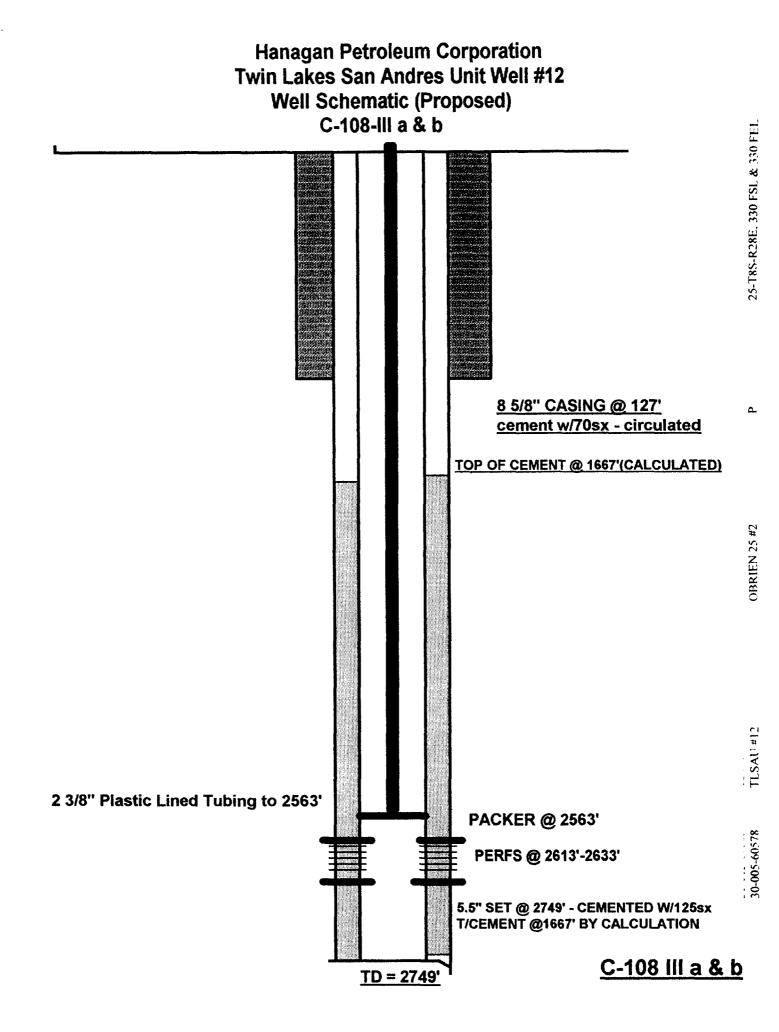


TABLE C-108 III-A & B

C-108-III

ITEM

A1	WELL NAME:	Twin Lakes San Andres Unit # 14
A1	FOOTAGE:	330 FSL & 1650 FWL
A1	SECTION:	30-T8S-R29E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.5"	7.5"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	20#/ft	9.5#/ft
A2	CASING DEPTH:	120'	2875'
A2	CEMENT:	75sx	225sx
A2	TOP OF CEMENT:	surface	1156'
		circulated	calculated

PROPOSED TUBULAR & PACKER INFORMATION

A3TUBING:2.375" EUE,J-55,4.7#/ft. 8rt. internally plastic coated or fiberglass linedA3PACKER DEPTH:2597' +/- 25'A4PACKER TYPE:Halliburton R4 internally coated tension packer

B1	PROPOSED INJECTION FORMATION:	San Andres / Twin Lakes, San Andres
B2	PROPOSED INJECTION INTERVAL:	Perforations from: 2647'-2698'
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	1491'
B3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

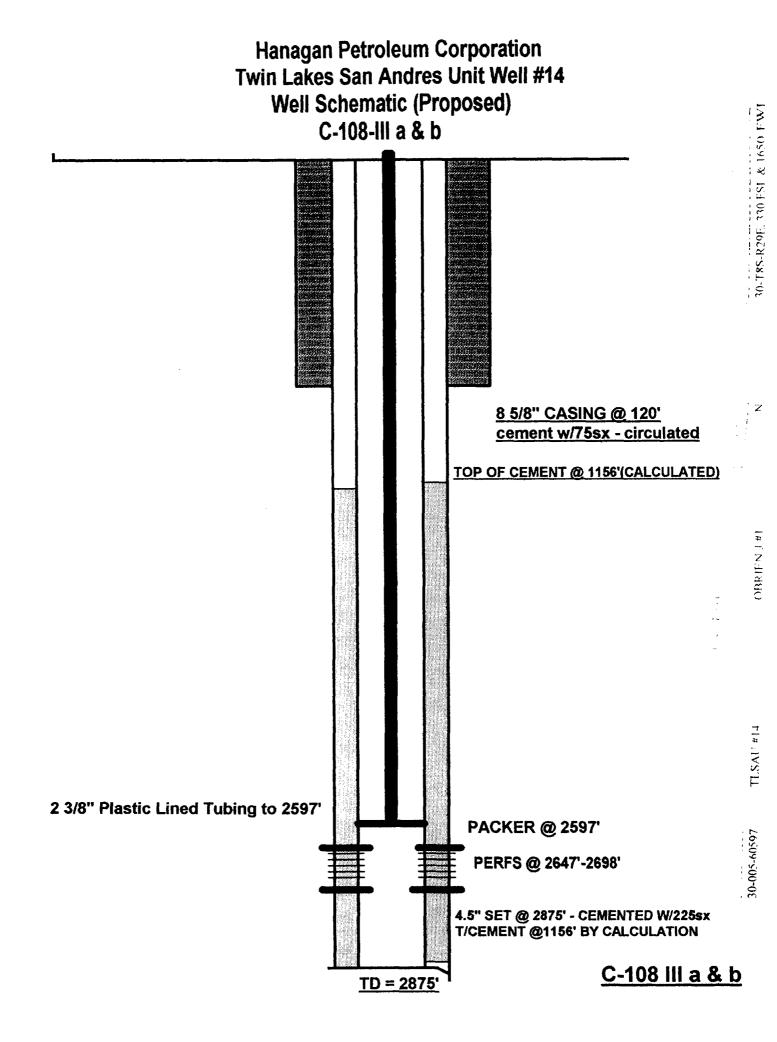


TABLE C-108 III-A & B

C-108-III

ITEM

A3

A1	WELL NAME:	Twin Lakes San Andres Unit # 18
A1	FOOTAGE:	990'FNL & 2310' FEL
A1	SECTION:	36-T8S-R28E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.5"	7.875"
A2	CASING SIZE:	8.625	4.5"
A2	CASING WEIGHT:	28#/ft	9.5#/ft
A2	CASING DEPTH:	128'	2700'
A2	CEMENT:	50sx	200sx
A2	TOP OF CEMENT:	surface	1383'
		circulated	calculated

PROPOSED TUBULAR & PACKER INFORMATION

TUBING: 2.375" EUE,J-55,4.7#/ft. 8rt. internally plastic coated or fiberglass lined

- A3 PACKER DEPTH: 2539' +/- 25'
- A4 PACKER TYPE: Halliburton R4 internally coated tension packer

B1	PROPOSED INJECTION FORMATION:	San Andres / Twin Lakes, San Andres
B2	PROPOSED INJECTION INTERVAL:	Perforations from: 2589'-2632'
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	1206'
B3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

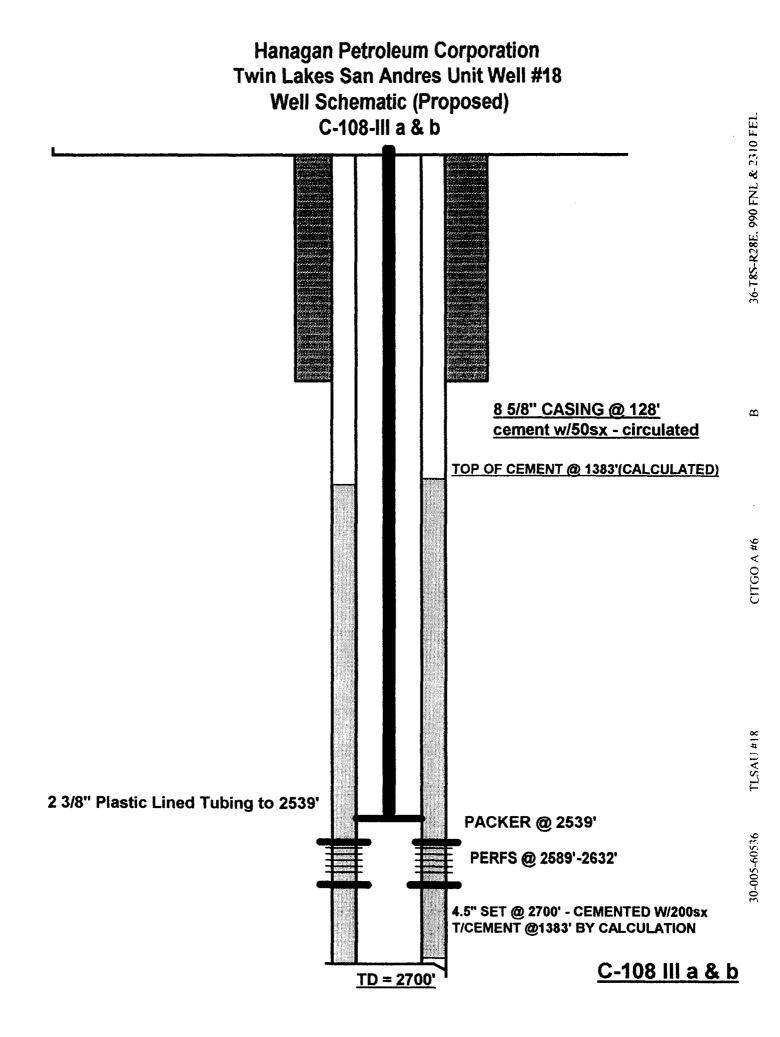


TABLE C-108 III-A & B

C-108-III

ITEM

A1	WELL NAME:	Twin Lakes San Andres Unit # 20
A1	FOOTAGE:	990' FNL & 330' FWL
A1	SECTION:	31- T8S-29E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.5"	7.875"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	28#/ft	9.5 # /ft
A2	CASING DEPTH:	117'	2770"
A2	CEMENT:	75sx	225sx
A2	TOP OF CEMENT:	surface	1288'
		circulated	calculated

PROPOSED TUBULAR & PACKER INFORMATION

A3	TUBING:	2.375" EUE,J-55,4.7#/ft. 8rt. internally plastic coated or fiberglass lined
A3	PACKER DEPTH:	2596' +/- 25'

A4 PACKER TYPE: Halliburton R4 internally coated tension packer

B1 B2	PROPOSED INJECTION FORMATION: PROPOSED INJECTION INTERVAL: EXISTING PERFORATIONS:	San Andres / Twin Lakes, San Andres Perforations from: 2645.5-2683.5 Same
	CEMENT ABOVE TOP PERFORATION:	1358'
B 3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

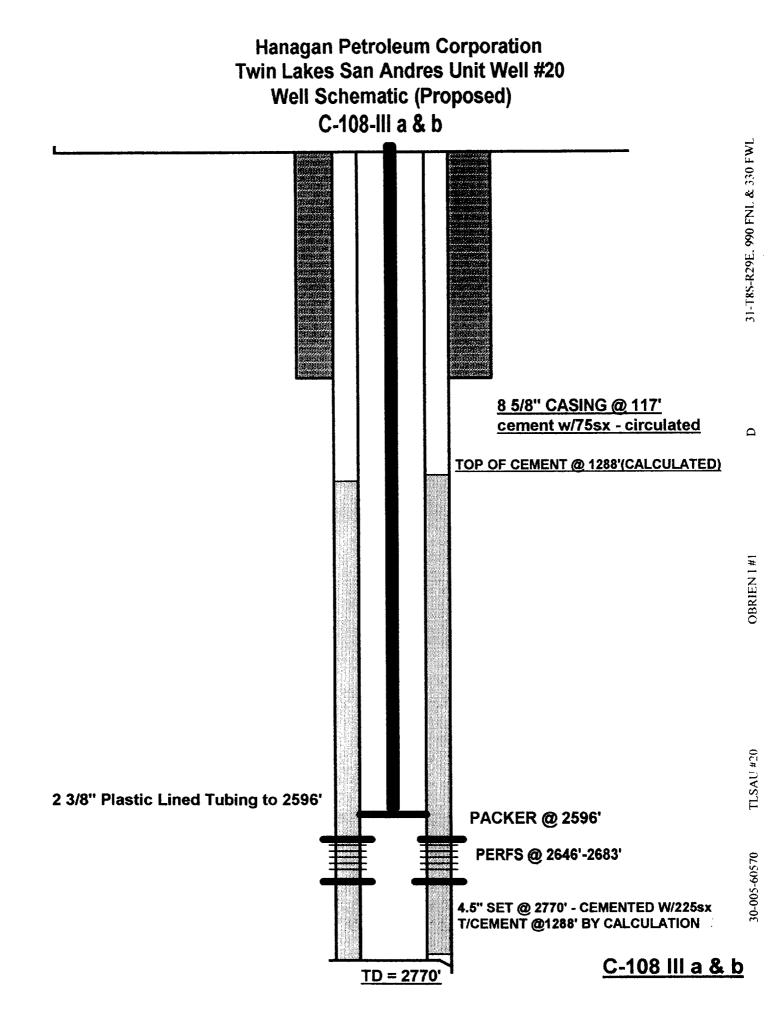


TABLE C-108 III-A & B

C-108-III

11210177

A3

A1	WELL NAME:	Twin Lakes San Andres Unit # 22
A1	FOOTAGE:	990' FNL & 2310' FEL
A1	SECTION:	31-T8S- 29E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.5"	7.875"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	20#/ft	9.5 # /ft
A2	CASING DEPTH:	120'	2961'
A2	CEMENT:	75sx	200sx
A2	TOP OF CEMENT:	surface	1644'
		circulated	calculated

PROPOSED TUBULAR & PACKER INFORMATION

TUBING: 2.375" EUE, J-55, 4.7#/ft. 8rt. internally plastic coated or fiberglass lined

- A3 PACKER DEPTH: 2658' +/- 25'
- A4 PACKER TYPE: Halliburton R4 internally coated tension packer

B1	PROPOSED INJECTION FORMATION:	San Andres / Twin Lakes, San Andres
B2	PROPOSED INJECTION INTERVAL:	Perforations from: 2708.5'-2749'
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	1391'
B3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

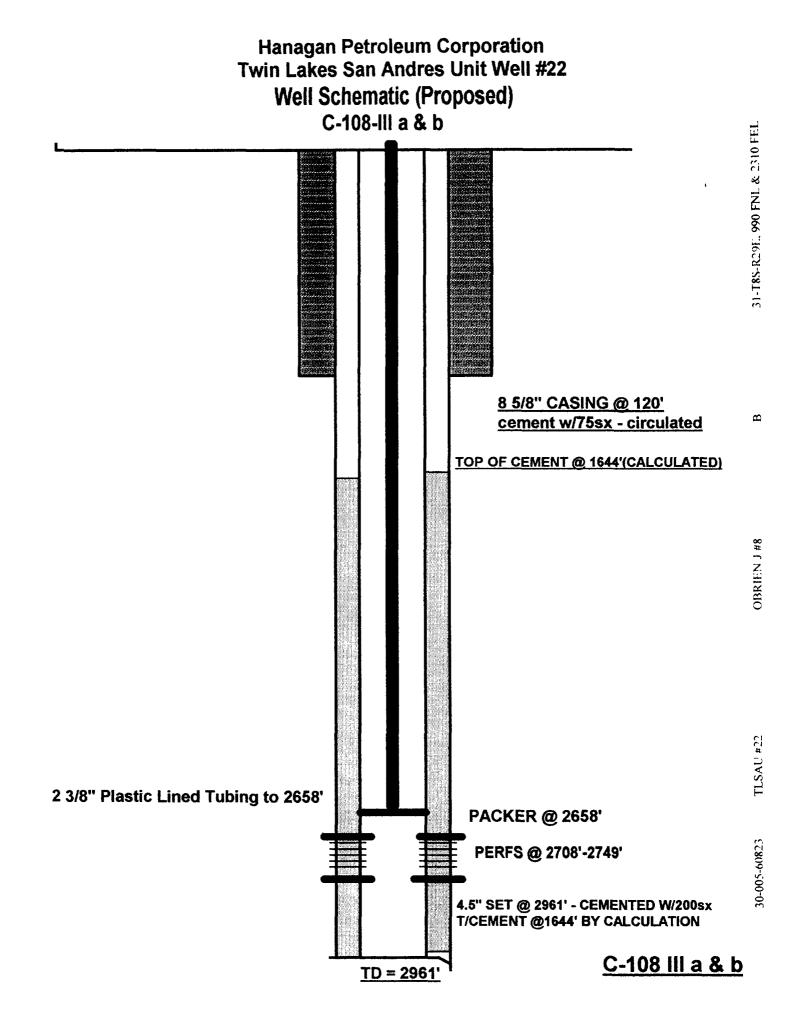


TABLE C-108 III-A & B

C-108-III

ITEM #

A1	WELL NAME:	Twin Lakes San Andres Unit # 26
A1	FOOTAGE:	1980' FNL & 1980' FWL
A1	SECTION:	36-8S-28E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

HOLE SIZE:	11"	6.75
CASING SIZE:	8.625"	4.5"
CASING WEIGHT:	20#/ft	9.5#/ft
CASING DEPTH:	320'	2614'
CEMENT:	125sx	100sx
TOP OF CEMENT:	circulated	1528' CALCULATED
	CASING SIZE: CASING WEIGHT: CASING DEPTH: CEMENT:	CASING SIZE:8.625"CASING WEIGHT:20#/ftCASING DEPTH:320'CEMENT:125sx

A3	TUBING:	2.375" EUE, J-55, 4.7#/ft. 8rt. internally plastic coated or fiberglass lined
A3	PACKER DEPTH:	2514' +/- 25'
A4	PACKER TYPE:	Halliburton R4 internally coated tension packer

B1 B2	PROPOSED INJECTION FORMATION: PROPOSED INJECTION INTERVAL:	San Andres / Twin Lakes, San Andres Perforations from: 2564'-2608'
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	1478'
B3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

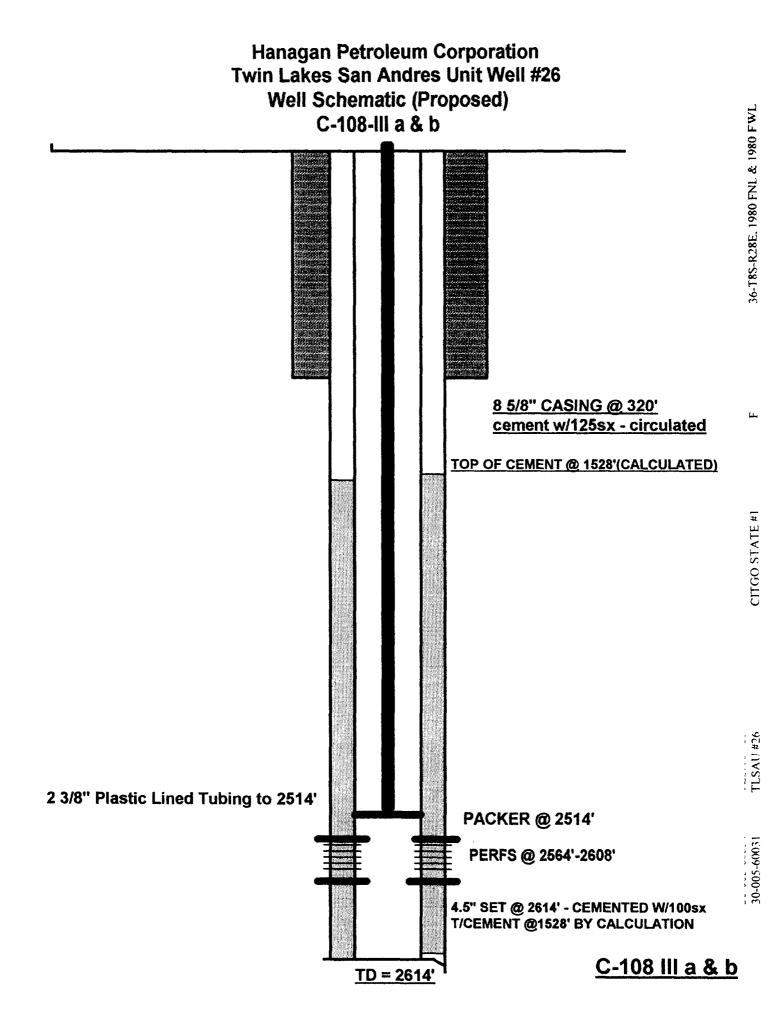


TABLE C-108 III-A & B

C-108-III

ITEM

A3

A1 A1	WELL NAME: FOOTAGE:	Twin Lakes San Andres Unit # 29
AI	FUUTAGE.	2310' FNL & 990' FEL
A1	SECTION:	36-T8S-R28E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.5"	7.875"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	28#/ft	9.5#/ft
A2	CASING DEPTH:	80'	2730'
A2	CEMENT:	🗲 yds.	225sx
A2	CEMENT: TOP OF CEMENT:	SURFACE ?	1248'
			calculated

PROPOSED TUBULAR & PACKER INFORMATION

 TUBING:
 2.375" EUE,J-55,4.7#/ft. 8rt. internally plastic coated or fiberglass lined

- A3 PACKER DEPTH: 2573' +/- 25'
- A4 PACKER TYPE: Halliburton R4 internally coated tension packer

B1	PROPOSED INJECTION FORMATION:	San Andres / Twin Lakes, San Andres
B2	PROPOSED INJECTION INTERVAL:	Perforations from: 2623.5'-2664.5'
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	1141'
B3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

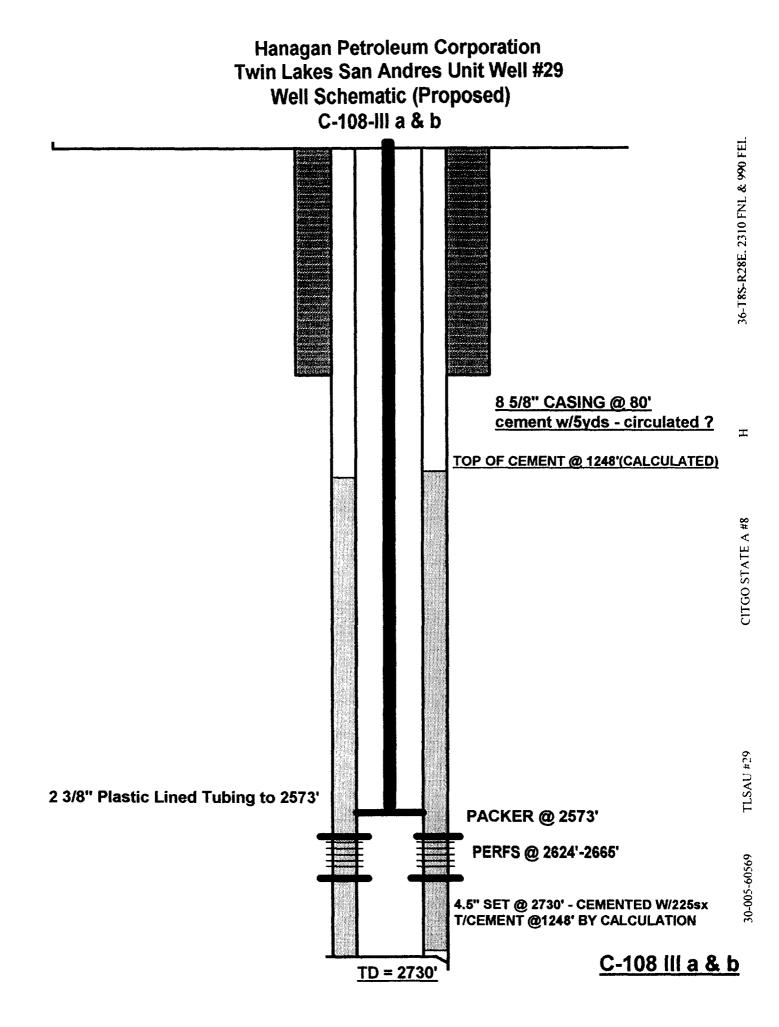


TABLE C-108 III-A & B

C-108-III

ITEM

A1	WELL NAME:	Twin Lakes San Andres Unit # 36
A1	FOOTAGE:	1650 FSL & 2310 FEL
A1	SECTION:	36-T8S-28E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

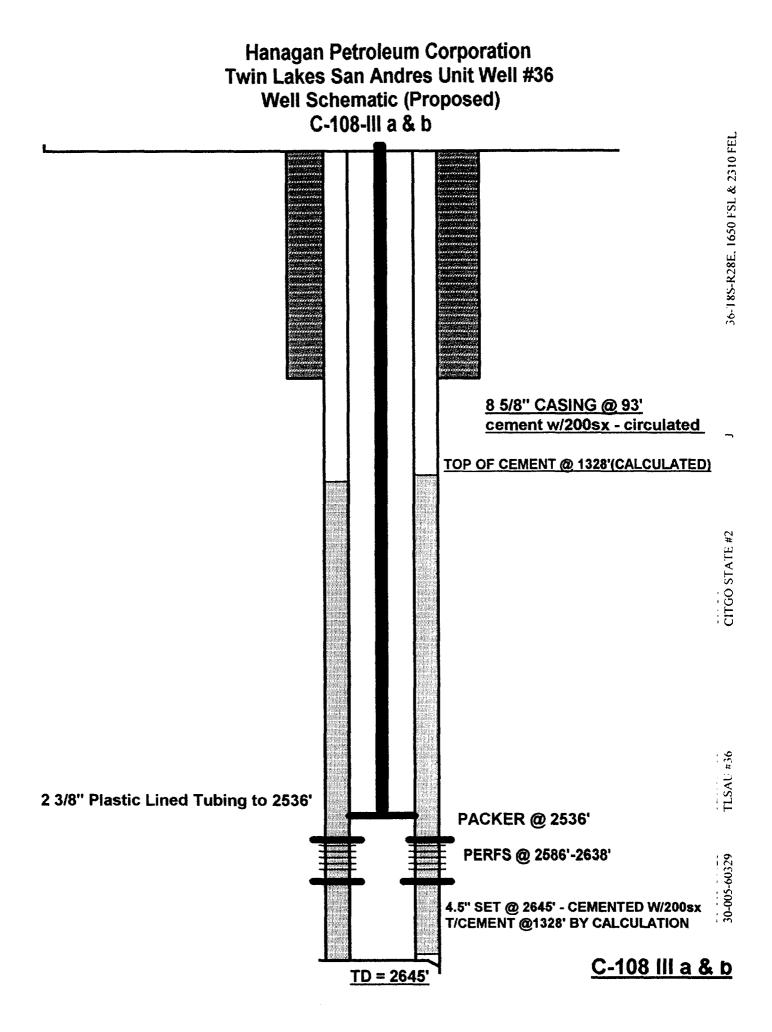
A2	HOLE SIZE:	11"	7.875"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	24#/ft	11.6#/ft
A2	CASING DEPTH:	93'	2645'
A2	CEMENT:	200sx	200sx
A2	TOP OF CEMENT:	surface	1328'
		circulated	calculated

PROPOSED TUBULAR & PACKER INFORMATION

A3 TUBING: 2.375" EUE, J-55, 4.7#/ft. 8rt. internally plastic coated or fiberglass lined

- A3 PACKER DEPTH: 2536' +/- 25'
- A4 PACKER TYPE: Halliburton R4 internally coated tension packer

B1	PROPOSED INJECTION FORMATION:	San Andres / Twin Lakes, San Andres
B2	PROPOSED INJECTION INTERVAL:	Perforations from: 2586'-2638'
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	1258'
B3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')



0.6-7

TABLE C-108 III-A & B

C-108-III

ITEM

A1	WELL NAME:	Twin Lakes San Andres Unit # 39
A1	FOOTAGE:	1650 FSL & 330 FWL
A1	SECTION:	31-T8S-R29E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.5"	7.875"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	20#/ft	9.5 #/f t
A2	CASING DEPTH:	120'	2870'
A2	CEMENT:	75sx	125sx
A2	TOP OF CEMENT:	surface	2047'
		circulated	calculated

A3	TUBING:	2.375" EUE, J-55, 4.7#/ft. 8rt. internally plastic coated or fiberglass lined

- A3 PACKER DEPTH: 2606' +/- 25'
- A4 PACKER TYPE: Halliburton R4 internally coated tension packer

B1	PROPOSED INJECTION FORMATION:	San Andres / Twin Lakes, San Andres
B2	PROPOSED INJECTION INTERVAL:	Perforations from: 2656'-2702.5'
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	609'
B 3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

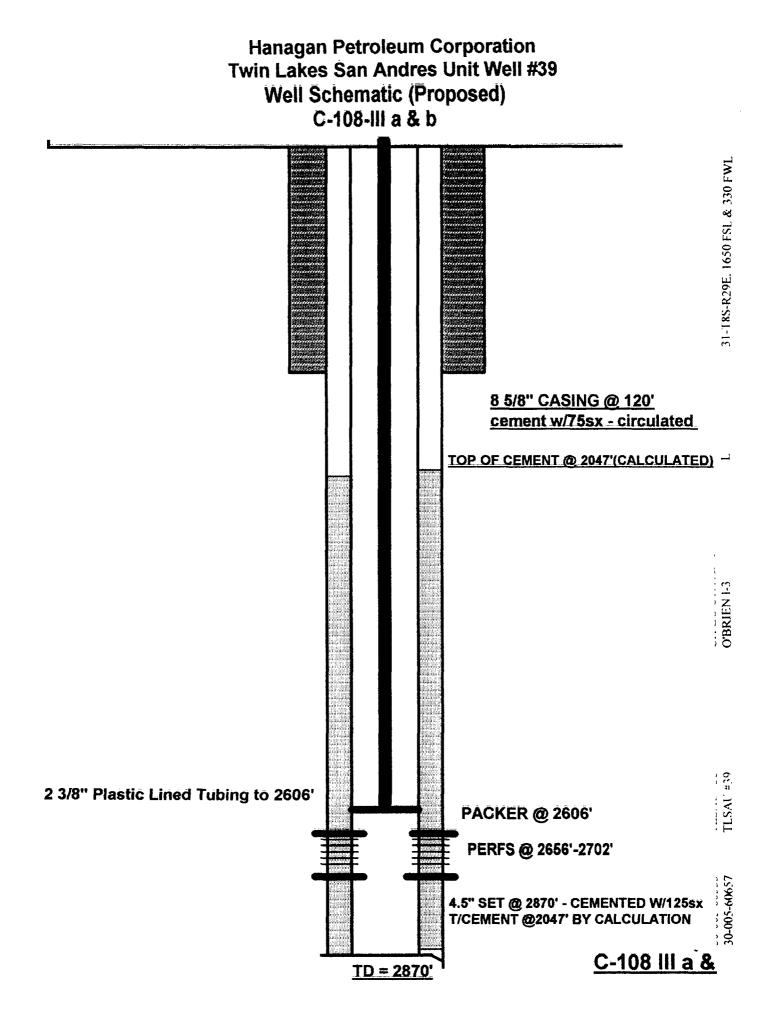


TABLE C-108 III-A & B

C-108-III

ITEM #

A1	WELL NAME:	Twin Lakes San Andres Unit #41
A1	FOOTAGE:	1650' FSL & 2310' FEL
A1	SECTION:	31-T8S-R29E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.25"	7.875"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	20#/ft	9.5#/ft
A2	CASING DEPTH:	80'	2930'
A2	CEMENT:	5yds	175sx
A2	TOP OF CEMENT:	SURFACE?	1578'
			Calculated

A3	TUBING:	2.375" 4.7#/ft J55 internally plastic coated or fiberglass lined
----	---------	--

- A3 PACKER DEPTH: 2665' +/-25'
- A4 PACKER TYPE: Halliburton R4 internally coated tension packer

B1 B2	PROPOSED INJECTION FORMATION: PROPOSED INJECTION INTERVAL: EXISTING PERFORATIONS: CEMENT ABOVE TOP PERFORATION:	San Andres / Twin Lakes, San Andres Perforations from: 2717'-2796' Same 1139'
B3 B4 B5	ORIGINAL WELL PURPOSE: OTHER PERFORATED INTERVALS: NEXT PAY ZONE - ABOVE:	Oil Well None None
B 5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

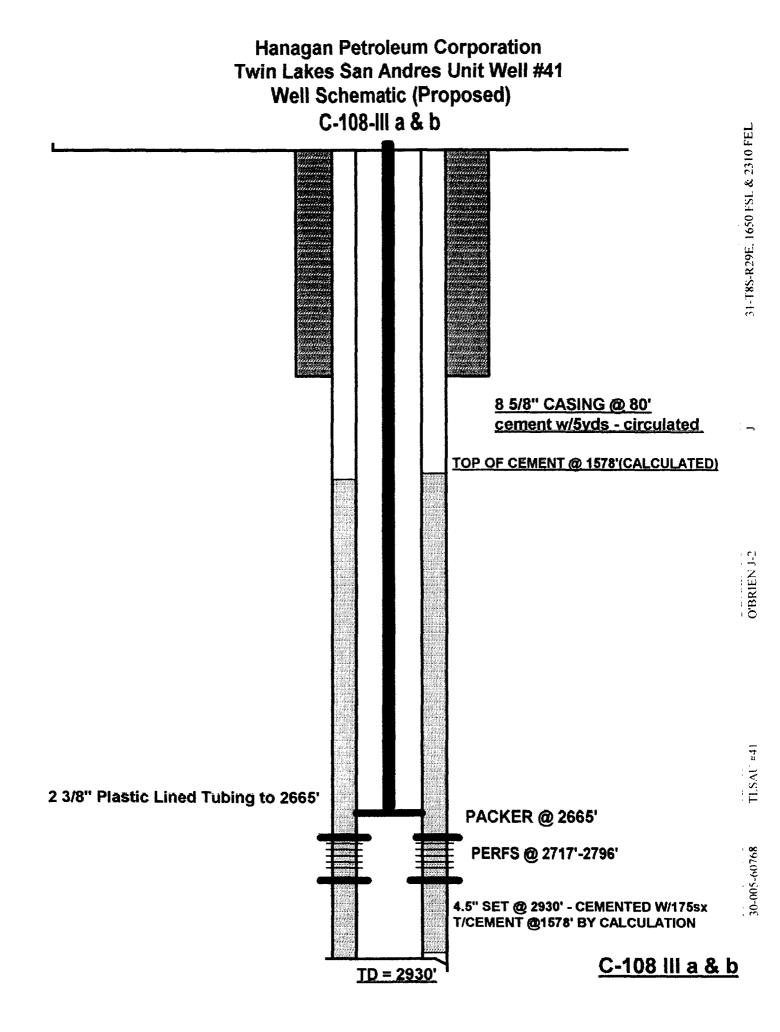


TABLE C-108 III-A & B

C-108-III

ITEM #

A1	WELL NAME:	Twin Lakes San Andres Unit #42
A1	FOOTAGE:	1650' FSL & 990' FEL
A1	SECTION:	31-T8S-R29E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.25"	7.875"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	20#/ft	9.5 # /ft
A2	CASING DEPTH:	132'	2951'
A2	CEMENT:	75sx	175sx
A2	TOP OF CEMENT:	SURFACE	2040'
		Circ. 10sx	BOND LOG

- A3 TUBING: 2.375" 4.7#/ft J55 internally plastic coated or fiberglass lined
- A3 PACKER DEPTH: 2700' +/-25'
- A4 PACKER TYPE: Halliburton R4 internally coated tension packer

B1	PROPOSED INJECTION FORMATION:	San Andres / Twin Lakes, San Andres
B2	PROPOSED INJECTION INTERVAL:	Perforations from: 2753'-2834'
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	713'
B3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

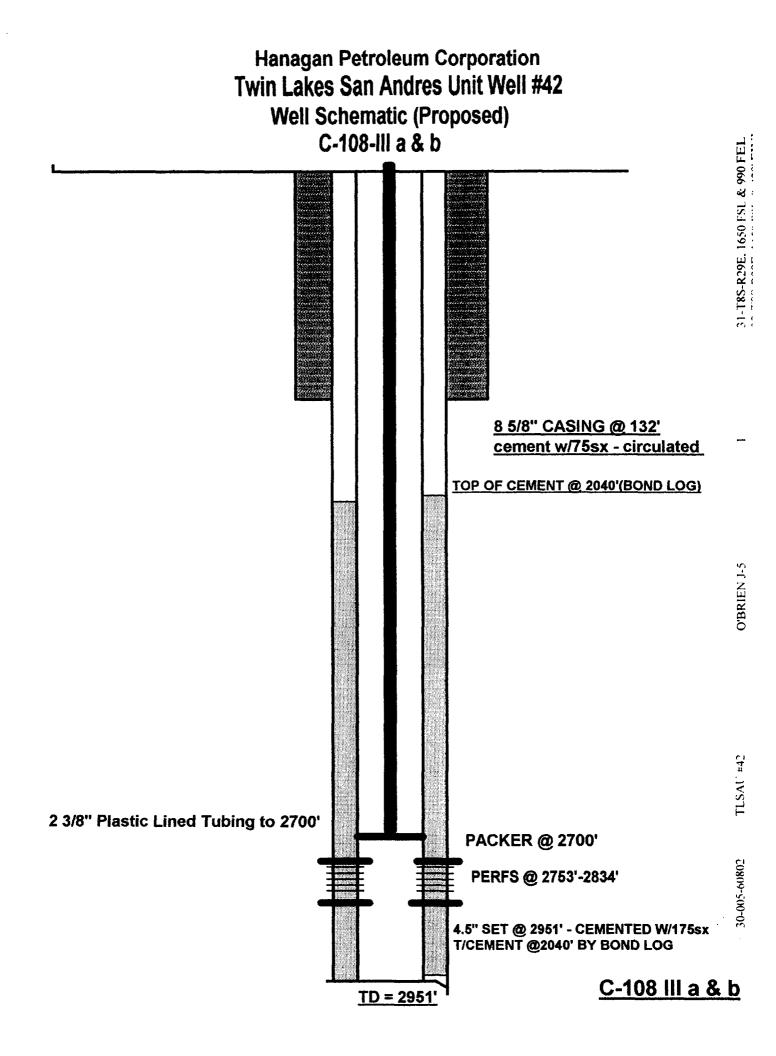


TABLE C-108 III-A & B

C-108-III

ITEM #

A1	WELL NAME:	Twin Lakes San Andres Unit #45

- A1 FOOTAGE: 660' FSL & 1980' FWL
- A1 SECTION: 36-T8S-R28E
- A1 COUNTY: Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	17.5"	12.25"	9.625"
A2	CASING SIZE:	13.375"	9.625"	5.5"
A2	CASING WEIGHT:	48#/ft	36#/ft	15.5#/ft
A2	CASING DEPTH:	665'	3415'	1001'
A2	CEMENT:	800sx	2455'	100sx
A2	TOP OF CEMENT:	SURFACE	770'	815'
			TEMP SUR	v

PROPOSED TUBULAR & PACKER INFORMATION

AS IODING. 2.375 4.7#/ft J55 internally plastic coaled of liberglass i	A3	TUBING:	2.375" 4.7#/ft J55 internally plastic coated or fiberglass lir
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- A3 PACKER DEPTH: 2530' +/-25'
- A4 PACKER TYPE: Halliburton R4 internally coated tension packer

B1	PROPOSED INJECTION FORMATION:	San Andres / Twin Lakes, San Andres
B2	PROPOSED INJECTION INTERVAL:	Perforations from: 2580'-2616'
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	1810'
B3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B 5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

COMMENTS: 725' OF 9.625" CASING PULLED BY MAGNOLIA SWEENEY RAN 1001' OF 5.5" & CEMENTED W/100sx

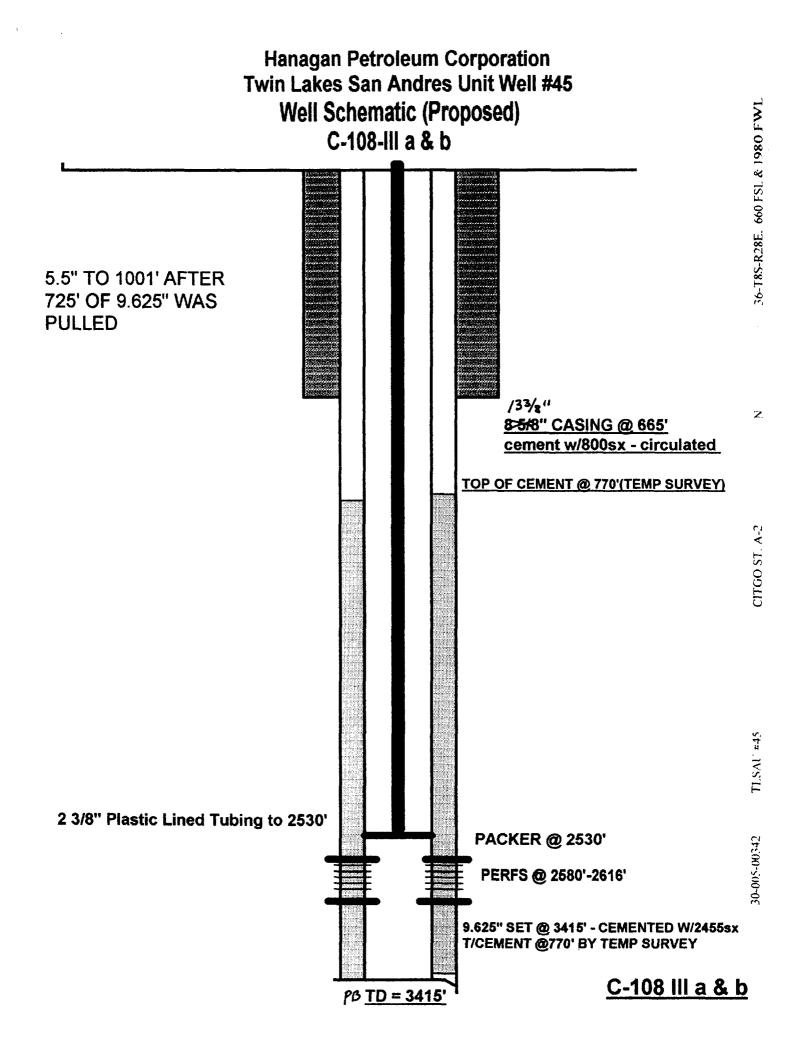


TABLE C-108 III-A & B

C-108-III

ITEM #

A1	WELL NAME:	Twin Lakes San Andres Unit #47
A1	FOOTAGE:	660' FSL & 660' FE;
A1	SECTION:	36-T8S-R28E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	11"	7.875"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	28#/ft	9.5#/ft
A2	CASING DEPTH:	955'	2660'
A2	CEMENT:	200sx	200sx
A2	TOP OF CEMENT:	SURFACE?	1308'
			Calculated

As ionidian $Z_0 = 0$ internally plastic coated of intergrass intervals	A3	TUBING:	2.375" 4.7#/ft J55 internally plastic coated or fiberglass line
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- A3 PACKER DEPTH: 2575' +/-25'
- A4 PACKER TYPE: Halliburton R4 internally coated tension packer

B1	PROPOSED INJECTION FORMATION:	San Andres / Twin Lakes, San Andres
B2	PROPOSED INJECTION INTERVAL:	Perforations from: 2623'-2660'
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	1315'
B3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B 5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

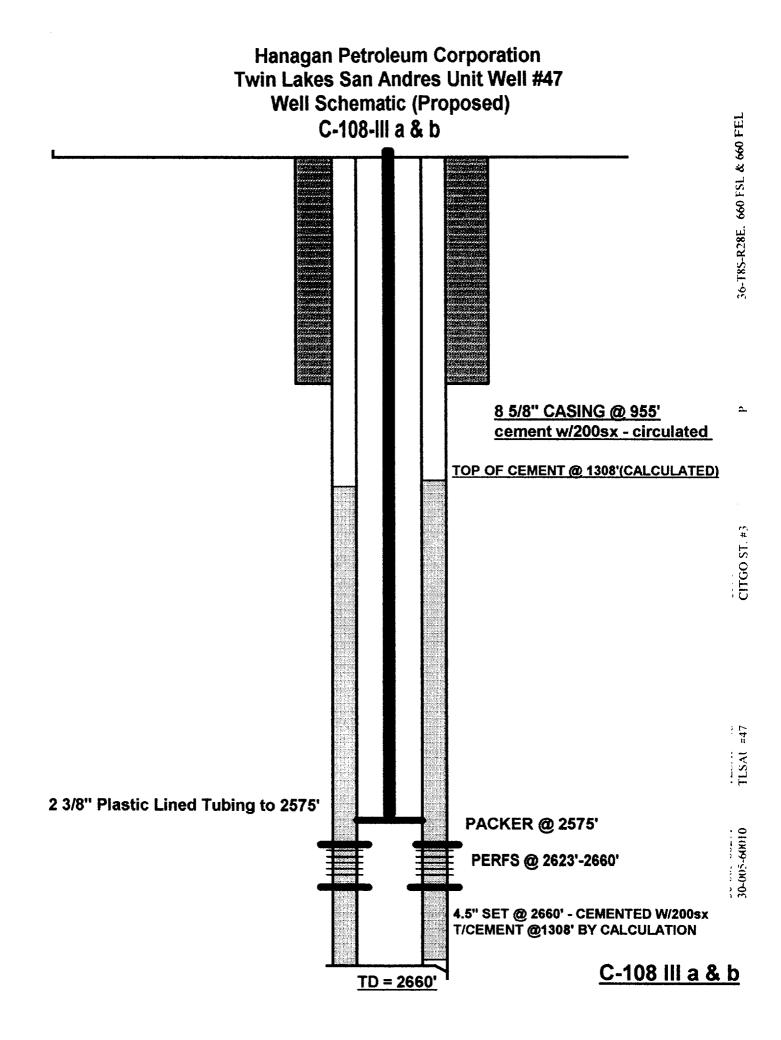


TABLE C-108 III-A & B

C-108-III

ITEM #

OTAGE:	Twin Lakes San Andres Unit #49 560' FSL & 1650' FWL
	31-T8S-R29E Chaves
	OTAGE: CTION: UNTY:

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.25"	7.875"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	20#/ft	9.5#/ft
A2	CASING DEPTH:	80'	2898'
A2	CEMENT:	5yds	175sx
A2	TOP OF CEMENT:	SURFACE	1715'
			Calculated

- A3 TUBING: 2.375" 4.7#/ft J55 internally plastic coated or fiberglass lined
- A3 PACKER DEPTH: 2665' +/-25'
- A4 PACKER TYPE: Halliburton R4 internally coated tension packer

B1	PROPOSED INJECTION FORMATION:	San Andres / Twin Lakes, San Andres
B2	PROPOSED INJECTION INTERVAL:	Perforations from: 2714'-2731'
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	1000'
B3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

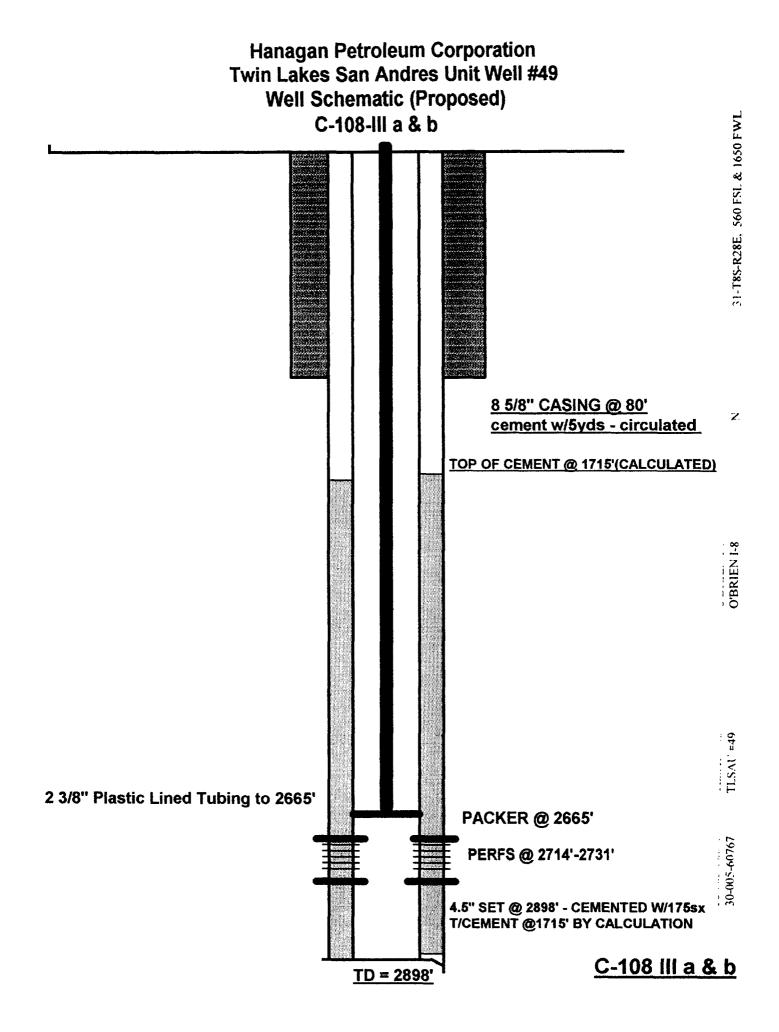


TABLE C-108 III-A & B

C-108-III

ITEM #

A1	WELL NAME:	Twin Lakes San Andres Unit #51
A1	FOOTAGE:	560' FSL & 990' FEL
A1	SECTION:	31-T8S-R29E

A1 COUNTY: Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.25"	7.875"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	20#/ft	9.5#/ft
A2	CASING DEPTH:	126'	2495 2945'
A2	CEMENT:	75sx	175sx
A2	TOP OF CEMENT:	SURFACE	2110'
		Circ 20sx	BOND LOG

PROPOSED TUBULAR & PACKER INFORMATION

- A3 TUBING: 2.375" 4.7#/ft J55 internally plastic coated or fiberglass lined
- A3 PACKER DEPTH: 2733' +/-25'
- A4 PACKER TYPE: Halliburton R4 internally coated tension packer
- **B1 PROPOSED INJECTION FORMATION:**
- B2 PROPOSED INJECTION INTERVAL: EXISTING PERFORATIONS: CEMENT ABOVE TOP PERFORATION:
- **B3 ORIGINAL WELL PURPOSE:**
- **B4 OTHER PERFORATED INTERVALS:**
- B5 NEXT PAY ZONE ABOVE:
- B5 NEXT PAY ZONE BELOW:

San Andres / Twin Lakes, San Andres Perforations from: 2783'-2812' Same 673' Oil Well None None Devonian @ 7200' (+/- 100')

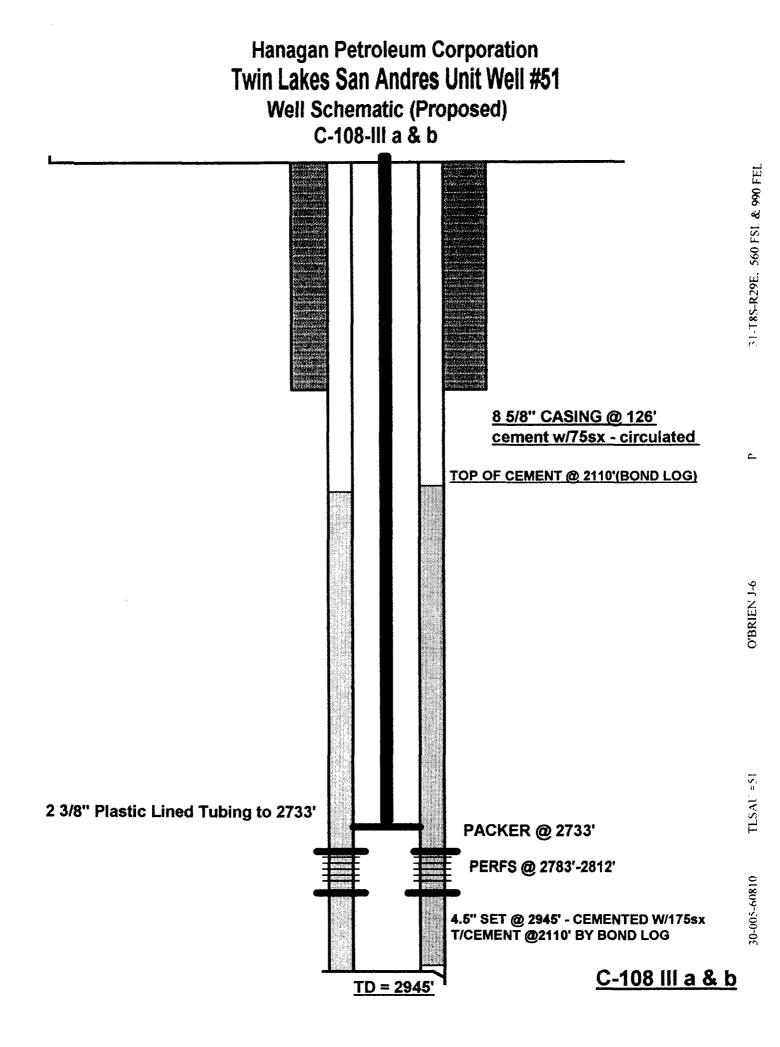


TABLE C-108 III-A & B

C-108-III

ITEM #

A1	WELL NAME:	Twin Lakes San Andres Unit # 58
A1	FOOTAGE:	330 FNL & 330' FWL
A1	SECTION:	6-T9S-R29E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.25"	7.875"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	20 #/ft	9.5 #/ft
A2	CASING DEPTH:	133'	2823'
A2	CEMENT:	75sx	200sx
A2	TOP OF CEMENT:	SURFACE	1471'
		Circ. 10sx	calculated

PROPOSED TUBULAR & PACKER INFORMATION

A3	TUBING:	2.375" 4.7#/ft J55 internally plastic coated or fiberglass lined
A3	PACKER DEPTH:	2615' +/- 25'

A3 PACKER DEPTH: 2615' +/- 25' A4 PACKER TYPE: Halliburton R4 internally coated tension packer

B1	PROPOSED INJECTION FORMATION:	San Andres / Twin Lakes, San Andres
B2	PROPOSED INJECTION INTERVAL:	Perforations from: 2665'-2743'
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	1194'
B3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

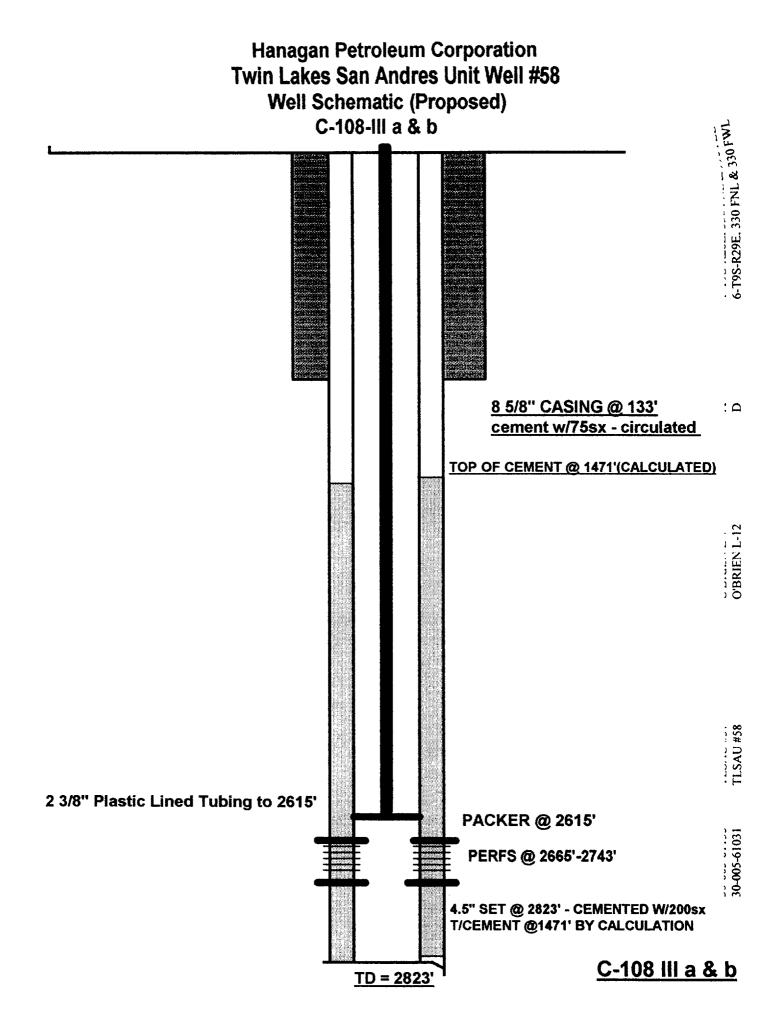


TABLE C-108 III-A & B

C-108-III

ITEM #

A1	WELL NAME:	Twin Lakes San Andres Unit #60
A1	FOOTAGE:	330' FNL & 2310' FEL
A1	SECTION:	6-T9S-R29E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.25"	7.875"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	20 #/ft	9.5#/ft
A2	CASING DEPTH:	135'	2950'
A2	CEMENT:	75sx	175sx
A2	TOP OF CEMENT:	SURFACE	2050'
			BOND LOG

PROPOSED TUBULAR & PACKER INFORMATION

A3	TUBING:	2.375" 4.7#/ft J55 internally plastic coated or fiberglass lined
A3	PACKER DEPTH:	2685' +/- 25'

A4 PACKER TYPE: Halliburton R4 internally coated tension packer

B1	PROPOSED INJECTION FORMATION:	San Andres / Twin Lakes, San Andres
B2	PROPOSED INJECTION INTERVAL:	Perforations from: 2735'-2824'
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	685'
B 3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

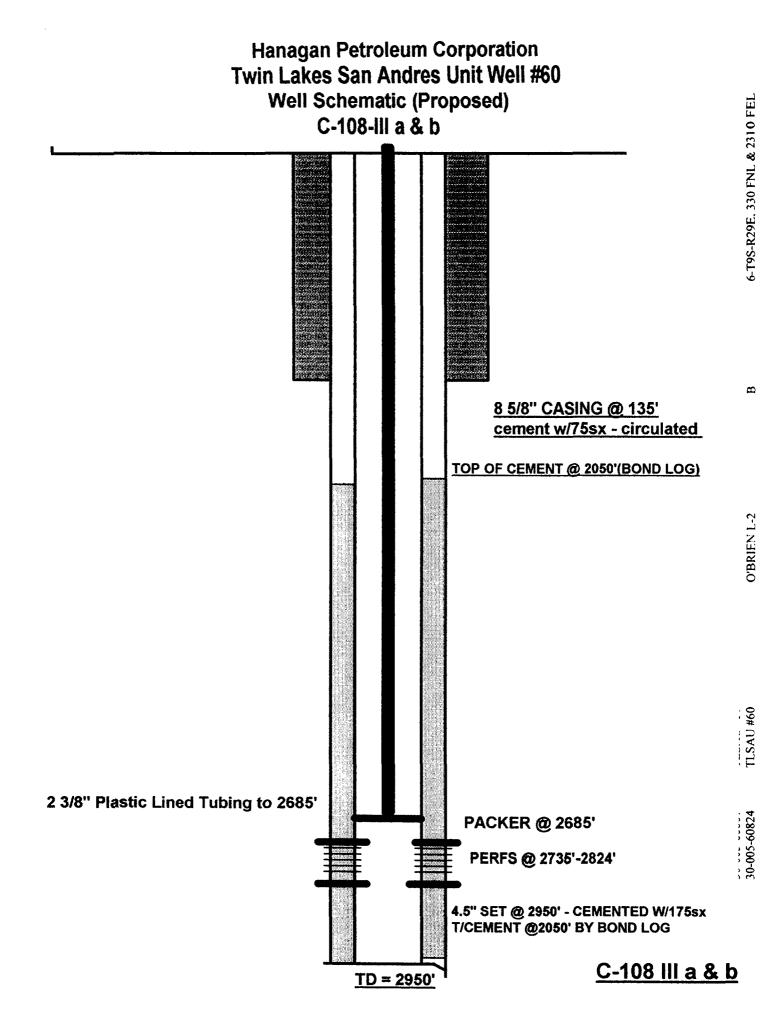


TABLE C-108 III-A & B

C-108-III

ITEM #

A1	WELL NAME:	Twin Lakes San Andres Unit #69
A1	FOOTAGE:	1650' FNL & 1650' FWL
A1	SECTION:	6-T9S-R29E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.25"	7.875"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	20 #/ft	9.5 #/ft
A2	CASING DEPTH:	130'	2844'
A2	CEMENT:	75sx	200sx
A2	TOP OF CEMENT:	SURFACE	1492'
		Circ. 20sx	calculated

A3	TUBING:	2.375" 4.7#/ft J55 internally plastic coated or fiberglass lined
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- A3 PACKER DEPTH: 2639' +/- 25'
- A4 PACKER TYPE: Halliburton R4 internally coated tension packer

B1	PROPOSED INJECTION FORMATION:	San Andres / Twin Lakes, San Andres
B2	PROPOSED INJECTION INTERVAL:	Perforations from: 2689'-2727'
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	1197'
B3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

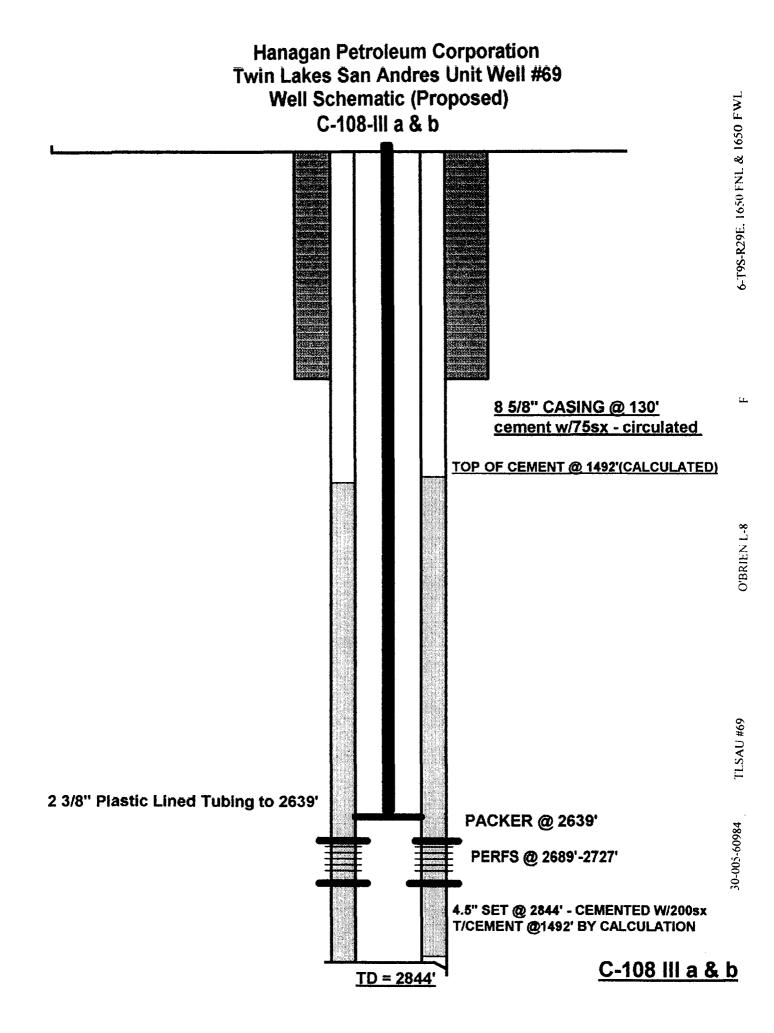


TABLE C-108 III-A & B

C-108-III

ITEM #

A1	WELL NAME:	Twin Lakes San Andres Unit #72
A1	FOOTAGE:	1650' FNL & 990' FEL
A1	SECTION:	6-T9S-R29E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	11"	7.875"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	20 #/ft	9.5 #/ft
A2	CASING DEPTH:	128'	2921'
A2	CEMENT:	75sx	200sx
A2	TOP OF CEMENT:	SURFACE	1569'
			Calculated

- A3 TUBING: 2.375" 4.7#/ft J55 internally plastic coated or fiberglass lined
- A3 PACKER DEPTH: 2679' +/- 25'
- A4 PACKER TYPE: Halliburton R4 internally coated tension packer

 B1 PROPOSED INJECTION FORMATION: B2 PROPOSED INJECTION INTERVAL: EXISTING PERFORATIONS: CEMENT ABOVE TOP PERFORATION: B3 ORIGINAL WELL PURPOSE: B4 OTHER PERFORATED INTERVALS: B5 NEXT PAY ZONE - ABOVE: B5 NEXT PAY ZONE - BELOW: 	San Andres / Twin Lakes, San Andres Perforations from: 2729'-2756' Same 1160' Oil Well None None Devonian @ 7200' (+/- 100')
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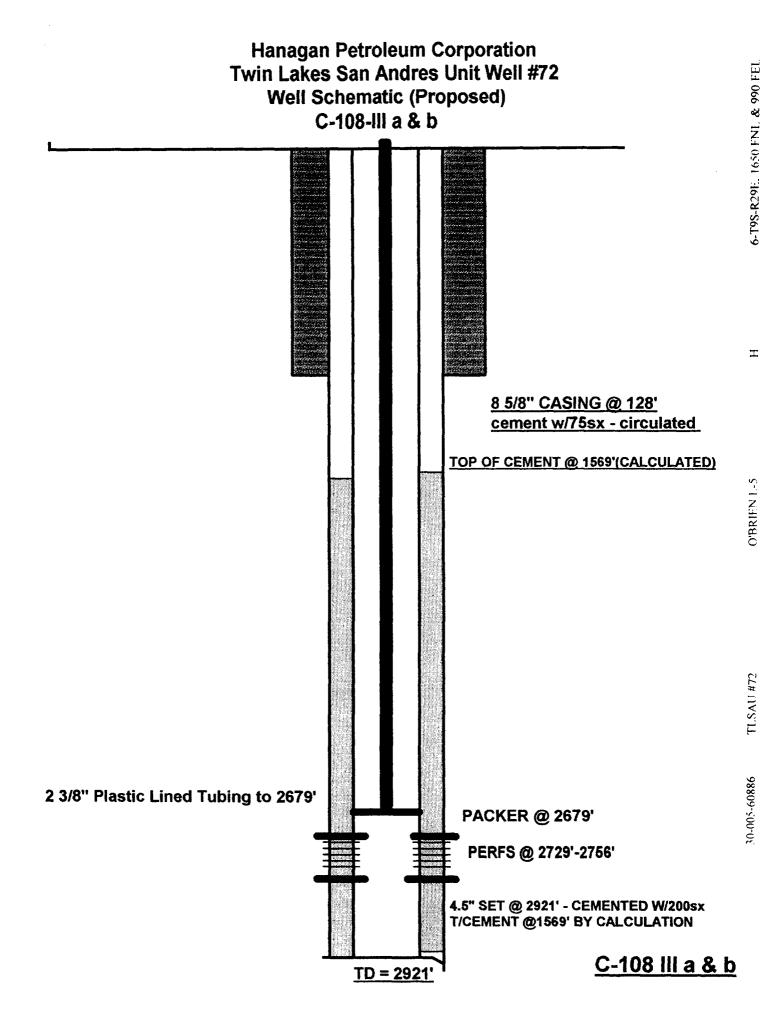


TABLE C-108 III-A & B

C-108-III

ITEM #

A1	WELL NAME:	Twin Lakes San Andres Unit #77
A1	FOOTAGE:	2310' FSL & 330' FWL
A1	SECTION:	6-T9S-R29E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.25"	7.875"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	20 #/ft	9.5 # /ft
A2	CASING DEPTH:	130'	2826'
A2	CEMENT:	75sx	200sx
A2	TOP OF CEMENT:	SURFACE	1474'
			Calculated

A3	TUBING:	2.375" 4.7#/ft J55 internally plastic coated or fiberglass lined
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- A3 PACKER DEPTH: 2600' +/- 25'
- A4 PACKER TYPE: Halliburton R4 internally coated tension packer

B2 PROPO	SED INJECTION FORMATION: SED INJECTION INTERVAL: NG PERFORATIONS:	San Andres / Twin Lakes, San Andres Perforations from: 2648'-2741' Same
	T ABOVE TOP PERFORATION: AL WELL PURPOSE:	1174' Oil Well
B5 NEXT P	PERFORATED INTERVALS: PAY ZONE - ABOVE: PAY ZONE - BELOW:	None None Devonian @ 7200' (+/- 100')

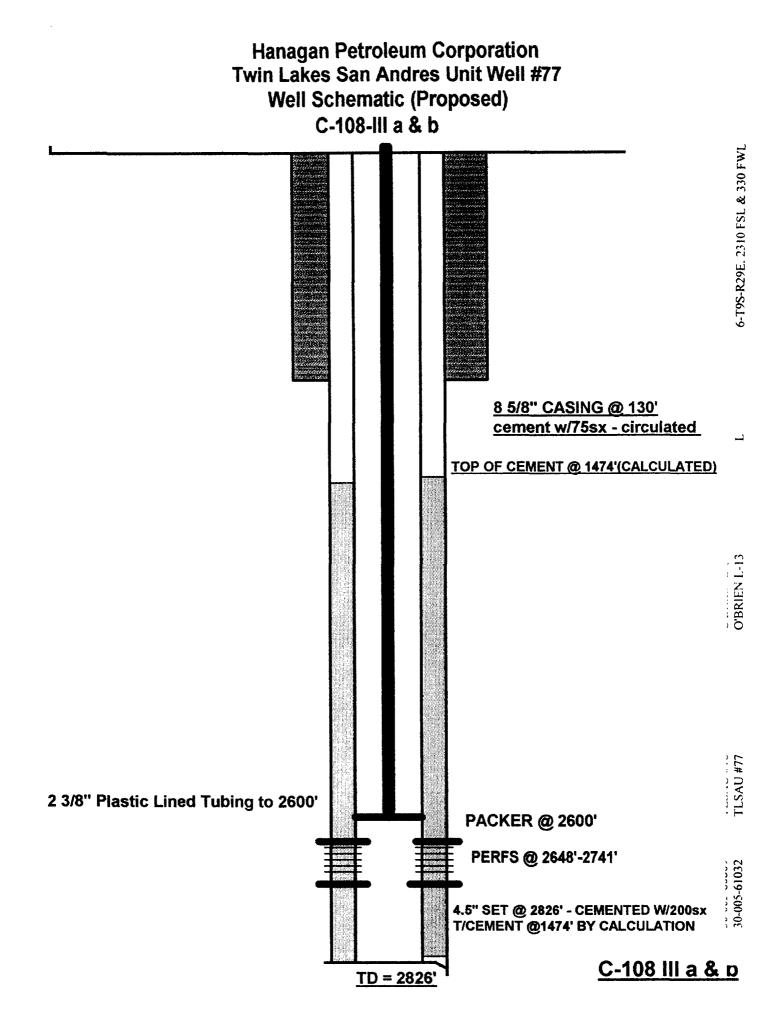


TABLE C-108 III-A & B

C-108-III

ITEM #

A1	WELL NAME:	Twin Lakes San Andres Unit #79
A1	FOOTAGE:	2310 FSL & 2310 FEL
A1	SECTION:	6-T9S-R29E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.25"	7.875"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	20.5 #/ft	9.5 #/ft
A2	CASING DEPTH:	134'	2878'
A2	CEMENT:	75sx	200sx
A2	TOP OF CEMENT:	surface	1526'
		circ. 20sx	calculated

A3	TUBING:	2.375" 4.7#/ft J55 internally plastic coated or fiberglass lined
A3	PACKER DEPTH:	2645' +/- 25'
A4	PACKER TYPE:	Halliburton R4 internally coated tension packer

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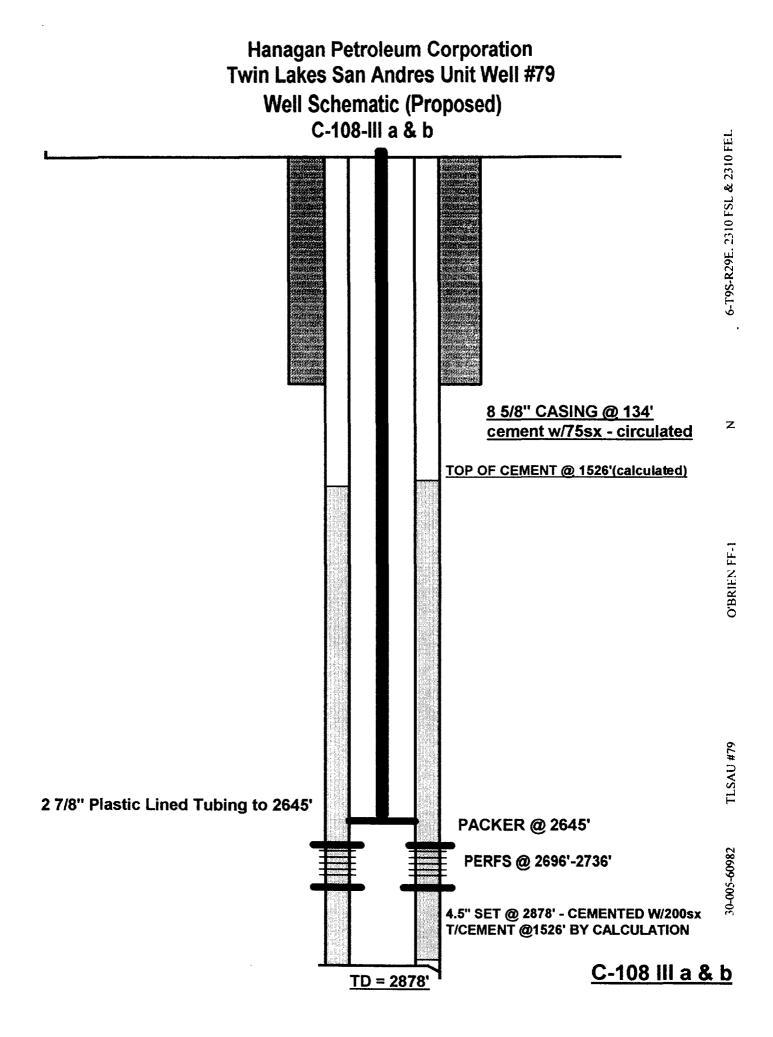


TABLE C-108 III-A & B

C-108-III

ITEM

A1	WELL NAME:	Twin Lakes San Andres Unit #87
A1	FOOTAGE:	1650' FWL & 990' FSL
A1	SECTION:	6-T9S-R29E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.25"	7.875"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	20 #/ft	9.5 #/ft
A2	CASING DEPTH:	134'	2774'
A2	CEMENT:	75sx	200sx
A2	TOP OF CEMENT:	SURFACE	1422'
		Circ. 5sx	Calculated

A3	TUBING:	2.375" 4.7#/ft J55 internally plastic coated or fiberglass lined

- A3 PACKER DEPTH: 2605' +/- 25'
- A4 PACKER TYPE: Halliburton R4 internally coated tension packer

B1	PROPOSED INJECTION FORMATION:	San Andres / Twin Lakes, San Andres
B2	PROPOSED INJECTION INTERVAL:	Perforations from: 2655'-2679'
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	1233'
B3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B 5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

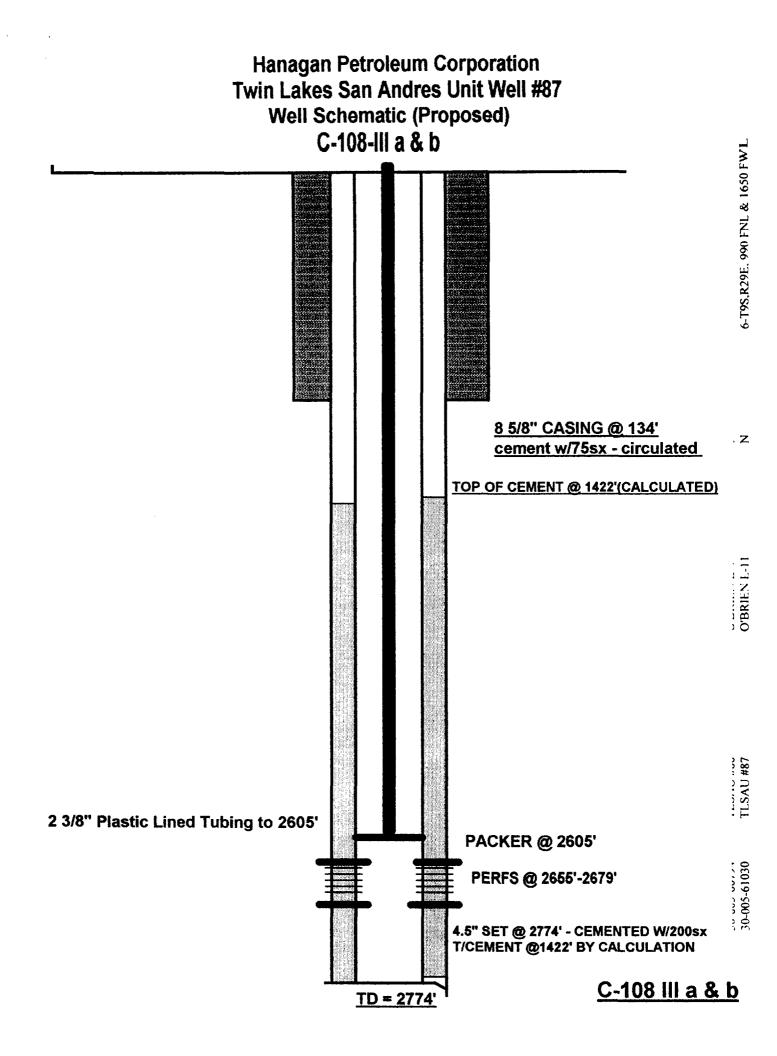


TABLE C-108 III-A & B

C-108-III

ITEM

WELL NAME:	Twin Lakes San Andres Unit #89
FOOTAGE:	990' FSL & 990' FEL
SECTION:	6-T9S-R29E
COUNTY:	Chaves
	SECTION:

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.25"	7.875"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	20 #/FT	9.5 #/FT
A2	CASING DEPTH:	124'	2826'
A2	CEMENT:	75sx	200sx
A2	TOP OF CEMENT:	SURFACE	1474'
		Circulated	CALCULATED

A3	TUBING:	2.375" 4.7#/ft J55 internally plastic coated or fiberglass lined
A3	PACKER DEPTH:	2650' +/- 25'
A4	PACKER TYPE:	Halliburton R4 internally coated tension packer

EXISTING PERFORATIONS:SameCEMENT ABOVE TOP PERFORATION:1227'B3ORIGINAL WELL PURPOSE:Oil WellB4OTHER PERFORATED INTERVALS:NoneB5NEXT PAY ZONE - ABOVE:None	ons from: 2701'-2778' n @ 7200' (+/- 100')
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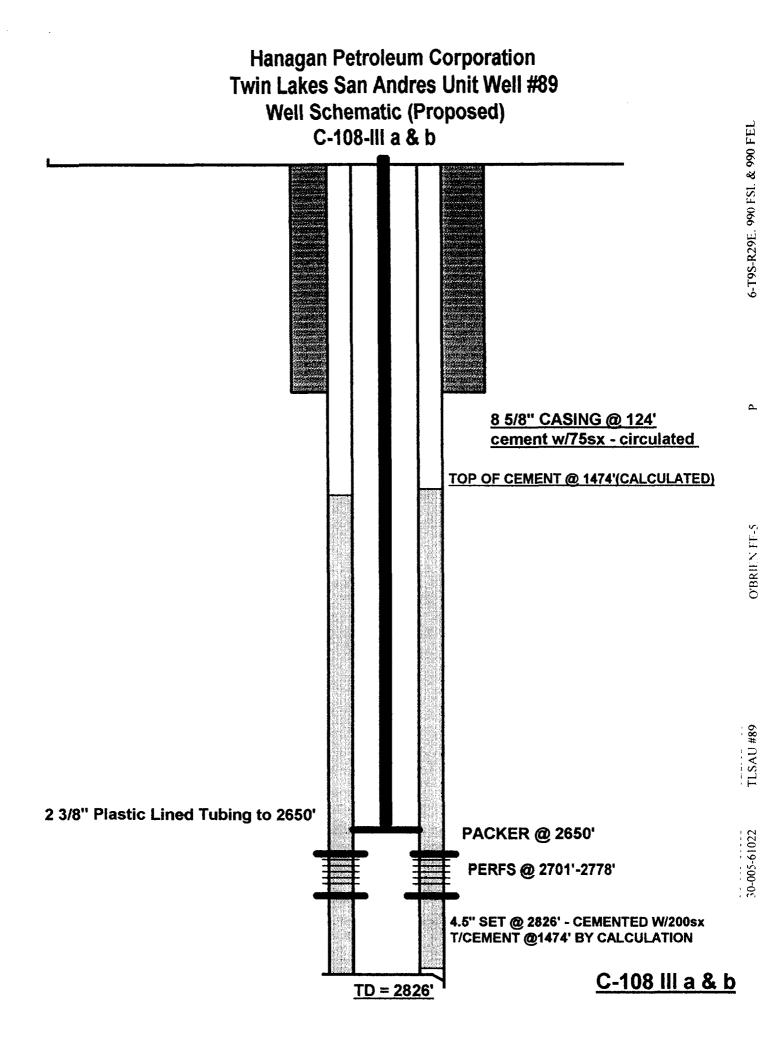


TABLE C-108 III-A & B

C-108-III

ITEM

A1	WELL NAME:	Twin Lakes San Andres Unit #94
A1	FOOTAGE:	330' FNL & 2310' FEL
A1	SECTION:	7-T9S-R29E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.25"	7.875"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	24 #/ft	10.5 #/FT
A2	CASING DEPTH:	320'	2840'
A2	CEMENT:	150sx	900sx
A2	TOP OF CEMENT:	SURFACE	850'
		Circ. 25sx	TEMP SURVEY

A3	TUBING:	2.375" 4.7#/ft J55 internally plastic coated or fiberglass lined
A3	PACKER DEPTH:	2633' +/- 25'
A4	PACKER TYPE:	Halliburton R4 internally coated tension packer

B1	PROPOSED INJECTION FORMATION:	San Andres / Twin Lakes, San Andres
B2	PROPOSED INJECTION INTERVAL:	Perforations from: 2683'-2717'
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	1833'
B3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

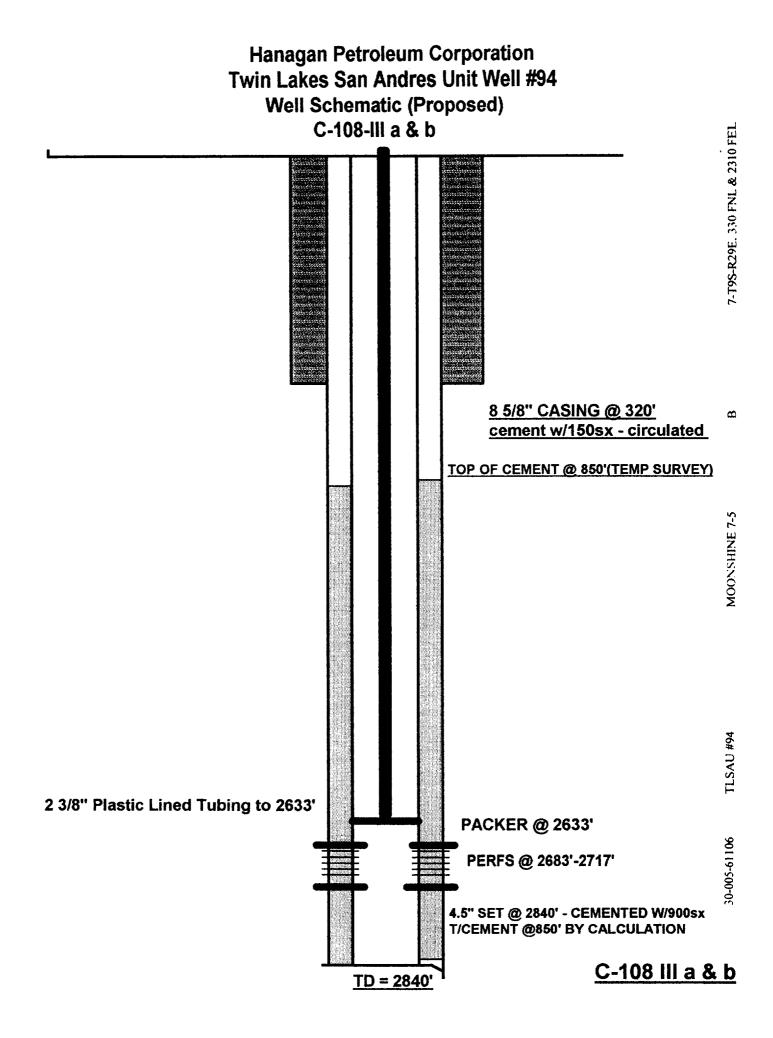


TABLE C-108 III-A & B

C-108-III

ITEM #

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A1	WELL NAME:	Twin Lakes San Andres Unit #102
A1	FOOTAGE:	1980' FNL & 1980' FWL
A1	SECTION:	7-T9S-R29E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	10.75"	7.875"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	24 #/ft	10.5 #/ft
A2	CASING DEPTH:	320'	2785"
A2	CEMENT:	255sx	800sx
A2	TOP OF CEMENT:	SURFACE	SURFACE
		Circ. 65sx	Circulated

A3	TUBING:	2.375" 4.7#/ft J55 internally plastic coated or fiberglass lined
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- A3 PACKER DEPTH: 2603' +/- 25"
- A4 PACKER TYPE: Halliburton R4 internally coated tension packer

B1	PROPOSED INJECTION FORMATION:	
		San Andres / Twin Lakes, San Andres
B2	PROPOSED INJECTION INTERVAL:	Perforations from: 2653'-2672"
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	2653'
B3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B 5	NEXT PAY ZONE - ABOVE:	None
B 5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

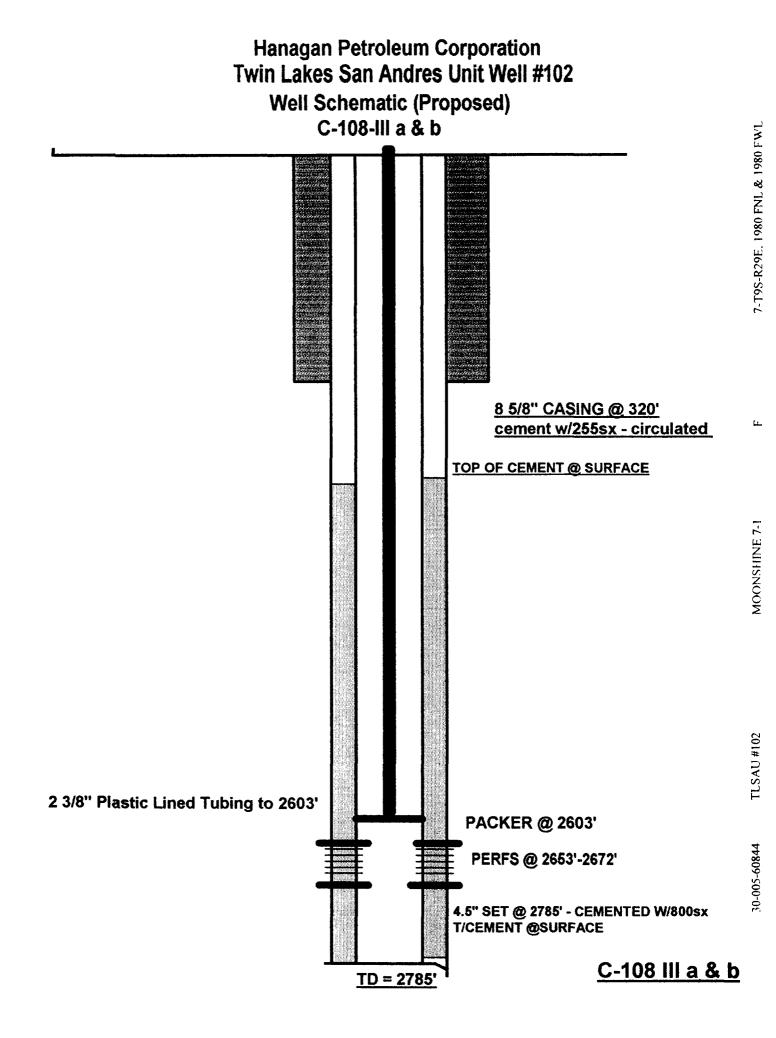


TABLE C-108 III-A & B

C-108-III

ITEM

A1	WELL NAME:	Twin Lakes San Andres Unit #106
	FOOTAGE:	
A1		2310' FSL & 330' FWL
A1	SECTION:	7-T9S-R29E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.25"	7.875"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	24 #/ft	10.5 #/FT
A2	CASING DEPTH:	166'	2700'
A2	CEMENT:	150sx	900sx
A2	TOP OF CEMENT:	SURFACE	560'
		Circ. 25sx	BOND LOG

- A3 TUBING: 2.375" 4.7#/ft J55 internally plastic coated or fiberglass lined
- A3 PACKER DEPTH: 2550' +/- 25'
- A4 PACKER TYPE: Halliburton R4 internally coated tension packer

B1	PROPOSED INJECTION FORMATION:	San Andres / Twin Lakes, San Andres
B2	PROPOSED INJECTION INTERVAL:	Perforations from: 2599'-2640'
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	2039'
B 3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

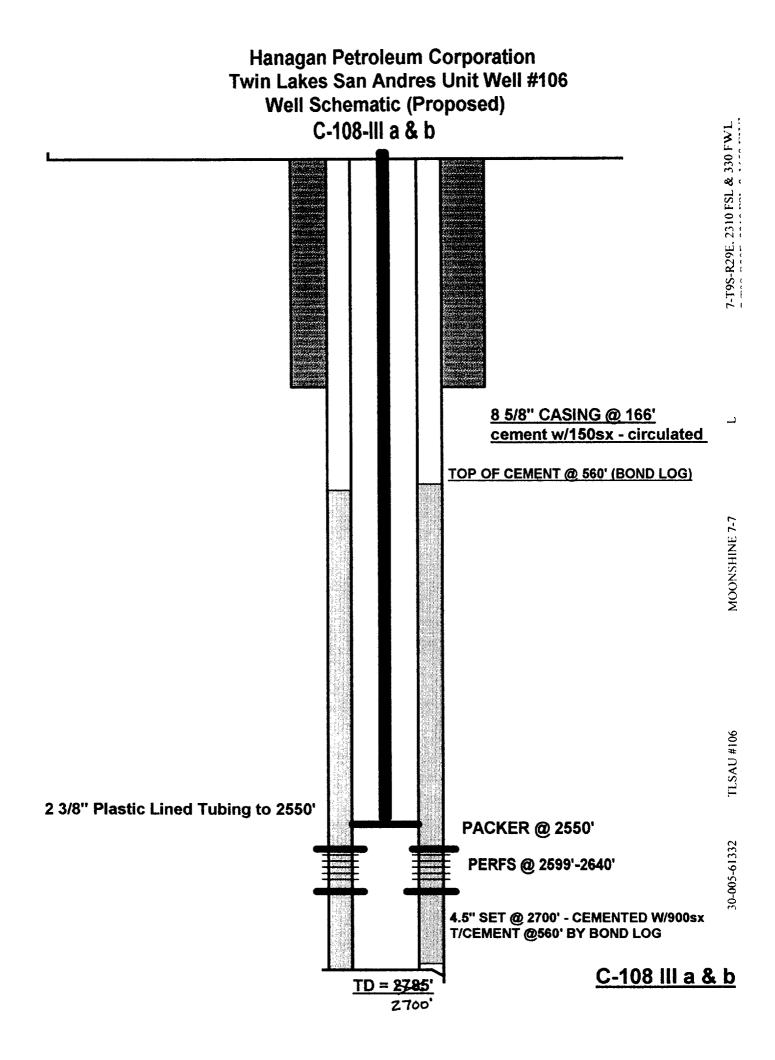


TABLE C-108 III-A & B

C-108-III

ITEM #

A1	WELL NAME:	Twin Lakes San Andres Unit #110
A1	FOOTAGE:	1650' FSL & 330' FEL
A1	SECTION:	12-T9S-R28E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.25"	7.875"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	23 #/ft	1 0.5 # /ft
A2	CASING DEPTH:	118'	2750'
A2	CEMENT:	75sx	200sx
A2	TOP OF CEMENT:	SURFACE	1400'
		Circ. 15sx	CALCULATED

A3	TUBING:	2.375" 4.7#/ft J55 internally plastic coated or fiberglass lined
A3	PACKER DEPTH:	2580' +/- 25'
A4	PACKER TYPE:	Halliburton R4 internally coated tension packer

B1	PROPOSED INJECTION FORMATION:	San Andres / Twin Lakes, San Andres
B2	PROPOSED INJECTION INTERVAL:	Perforations from: 2630'-2667'
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	1230'
B3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B 5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

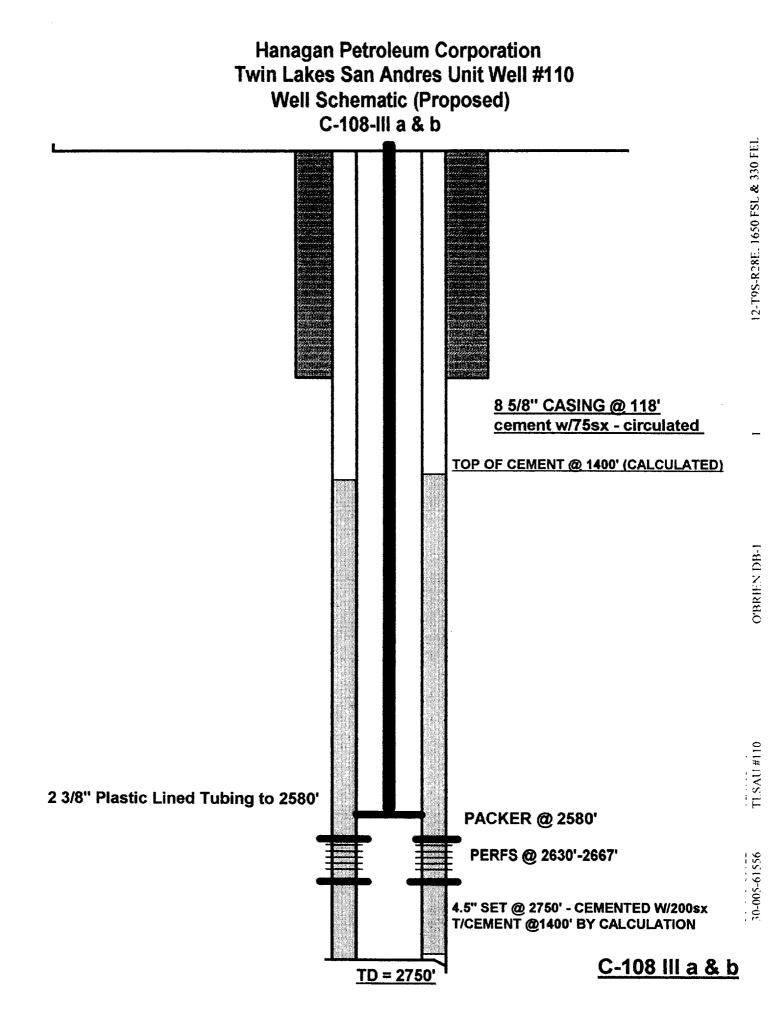


TABLE C-108 III-A & B

C-108-III

ITEM #

A1	WELL NAME:	Twin Lakes San Andres Unit #112
A1	FOOTAGE:	990' FSL & 1650' FWL
A1	SECTION:	7-T9S-R29E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.25"	7.875"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	20 #/ft	1 1 # /ft
A2	CASING DEPTH:	170'	2800'
A2	CEMENT:	125sx	900sx
A2	TOP OF CEMENT:	SURFACE	1150'
		Circ. 35sx	BOND LOG

A3	TUBING:	2.375" 4.7#/ft J55 internally plastic coated or fiberglass lined
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- A3 PACKER DEPTH: 2623' +/- 25'
- A4 PACKER TYPE: Halliburton R4 internally coated tension packer

B1 B2	PROPOSED INJECTION FORMATION: PROPOSED INJECTION INTERVAL: EXISTING PERFORATIONS:	San Andres / Twin Lakes, San Andres Perforations from: 2673'-2728' Same
B3 B4	CEMENT ABOVE TOP PERFORATION: ORIGINAL WELL PURPOSE: OTHER PERFORATED INTERVALS:	1523' Oil Well None
B5 B5	NEXT PAY ZONE - ABOVE: NEXT PAY ZONE - BELOW:	None Devonian @ 7200' (+/- 100')

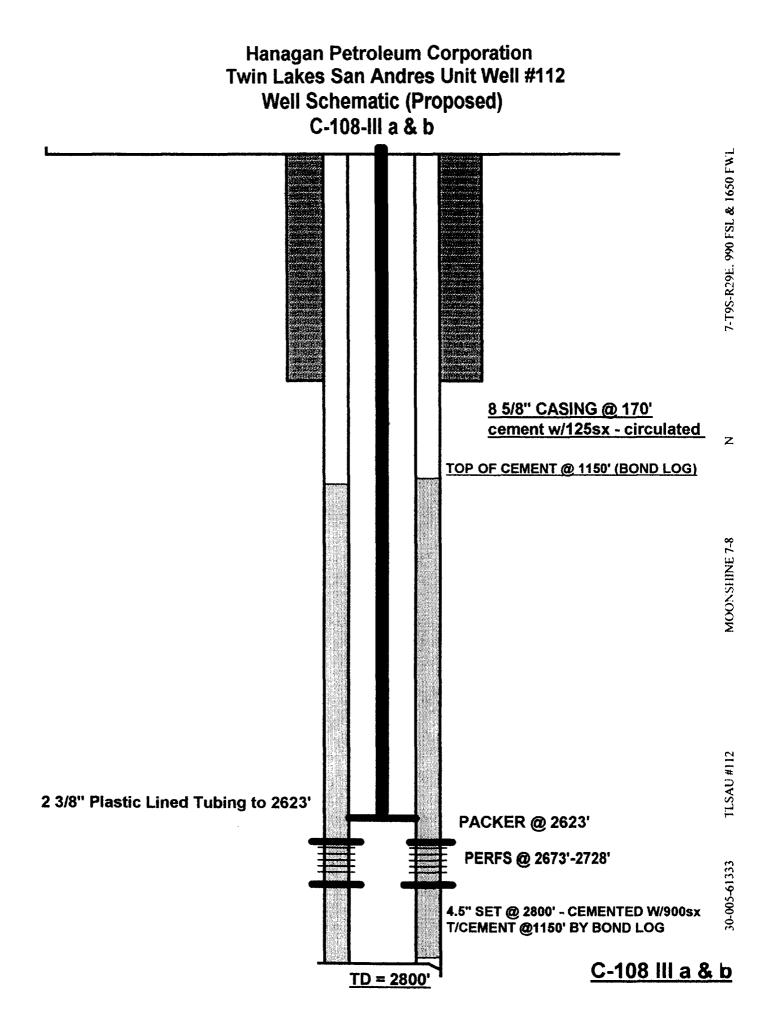


TABLE C-108 III-A & B

C-108-III

ITEM #

A1	WELL NAME:	Twin Lakes San Andres Unit #117
A1	FOOTAGE:	330' FNL & 1650' FWL
A1	SECTION:	18-T9S-R29E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.25"	7.875"
A2	CASING SIZE:	168'	4.5"
A2	CASING WEIGHT:	24 #/ft	10.5 #/ft
A2	CASING DEPTH:	168'	2780'
A2	CEMENT:	150sx	900sx
A2	TOP OF CEMENT:	SURFACE	430'
		Circ 20sx	BOND LOG

PROPOSED TUBULAR & PACKER INFORMATION

A3	TUBING:	2.375" 4.7#/ft J55 internally plastic coated or fiberglass lined
A3	PACKER DEPTH:	2681' +*- 25'
A4	PACKER TYPE:	Halliburton R4 internally coated tension packer

B1	PROPOSED INJECTION FORMATION:	San Andres / Twin Lakes, San Andres
B2	PROPOSED INJECTION INTERVAL:	Perforations from: 2731'-2747'
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	2301'
B3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')
		-

COMMENTS: 8/13/93 SET CIBP @ 2681' (50" above u/perf) W/35sx Class "H" Found hole in 4.5" casing between 405' & 375' Hole has apparently not been repaired

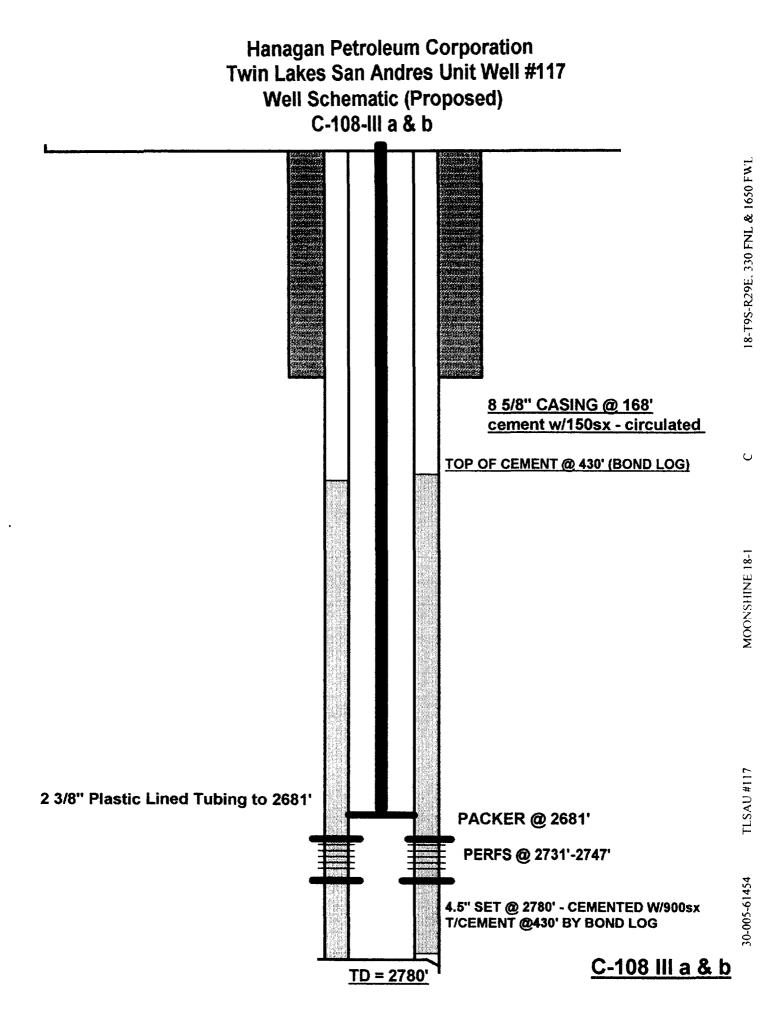


TABLE C-108 III-A & B

C-108-III

ITEM #

A1 A1	WELL NAME: FOOTAGE:	Twin Lakes San Andres Unit #120 1650' FNL & 2310' FEL
A1	SECTION:	18-T9S-R29E
A1	COUNTY:	Chaves

EXISTING CASING PROGRAM

A2	HOLE SIZE:	12.25"	7.875"
A2	CASING SIZE:	8.625"	4.5"
A2	CASING WEIGHT:	24 # /ft	10.5 #/ft
A2	CASING DEPTH:	145'	2861'
A2	CEMENT:	125sx	800sx
A2	TOP OF CEMENT:	SURFACE	1075'
		Circulated 25sx	Temp Survey

A3	TUBING:	2.375" 4.7#/ft J55 internally plastic coated or fiberglass lined
A3	PACKER DEPTH:	2682' +/- 25'
A4	PACKER TYPE:	Halliburton R4 internally coated tension packer

B1 B2 B3 B4	PROPOSED INJECTION FORMATION: PROPOSED INJECTION INTERVAL: EXISTING PERFORATIONS: CEMENT ABOVE TOP PERFORATION: ORIGINAL WELL PURPOSE: OTHER PERFORATED INTERVALS:	San Andres / Twin Lakes, San Andres Perforations from: 2732' - 2826' Same 1657' Oil Well None
B4 B5	NEXT PAY ZONE - ABOVE:	None None
B 5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')

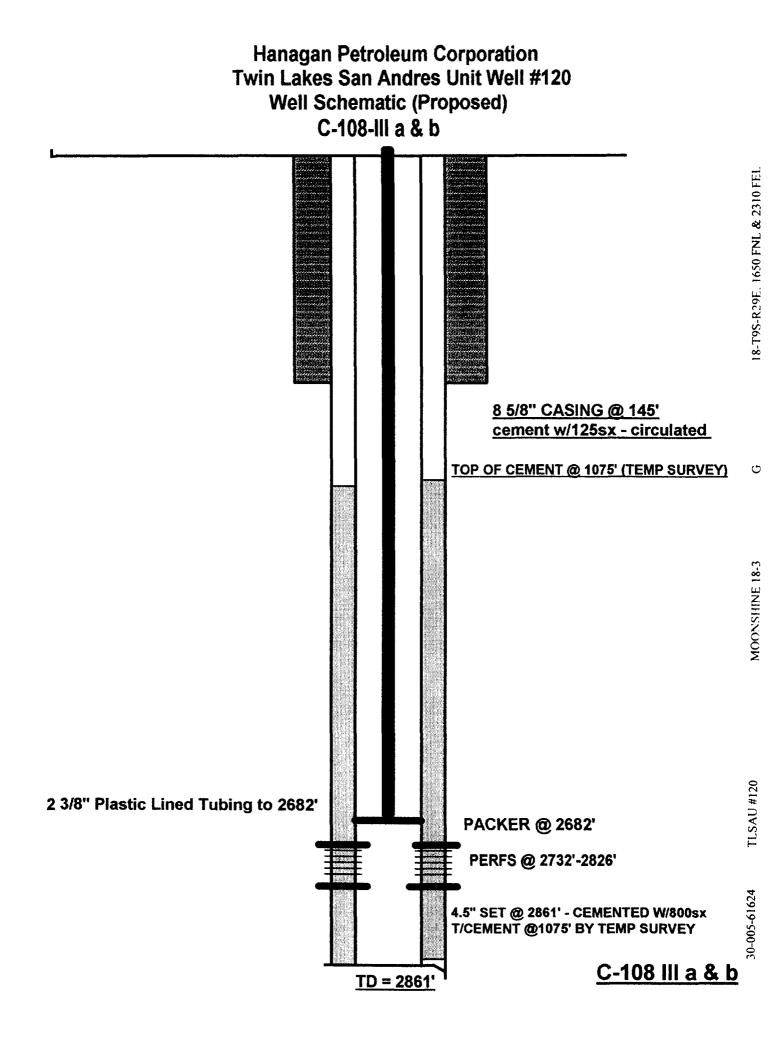


TABLE C-108 III-A & B

C-108-III

ITEM #

A1	WELL NAME:	Twin Lakes San Andres Unit # 123
A1	FOOTAGE:	2237' FNL & 1679' FWL
A1	SECTION:	31-T8S-R29E
A1	COUNTY:	Chaves

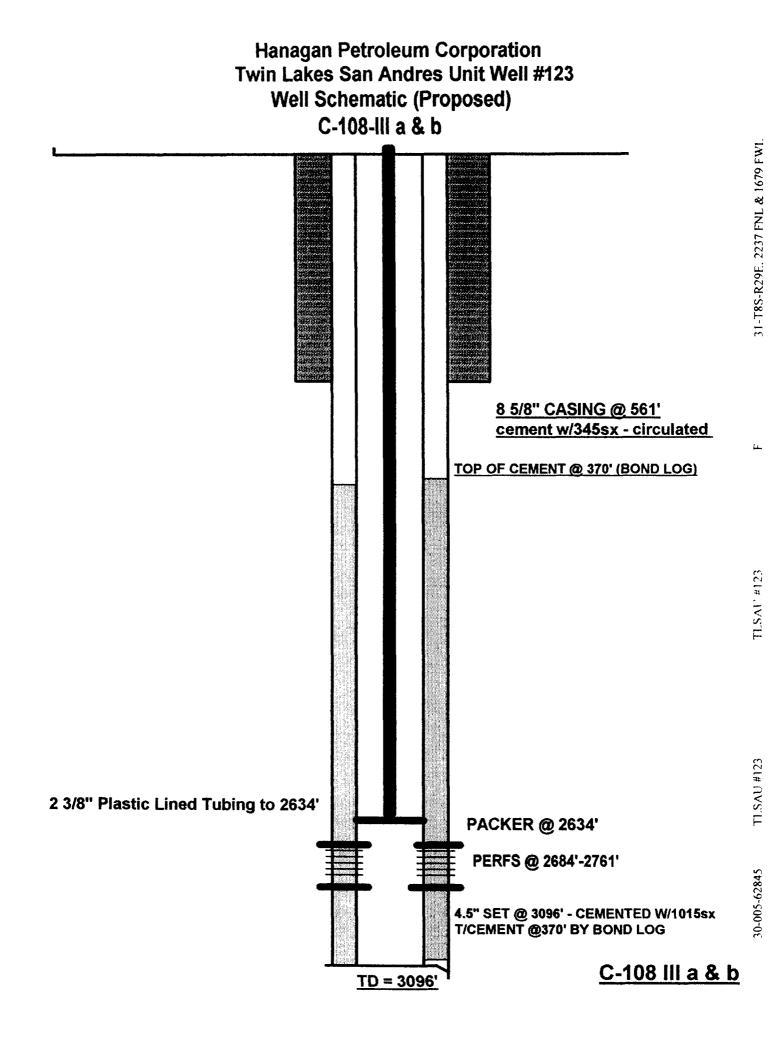
EXISTING CASING PROGRAM

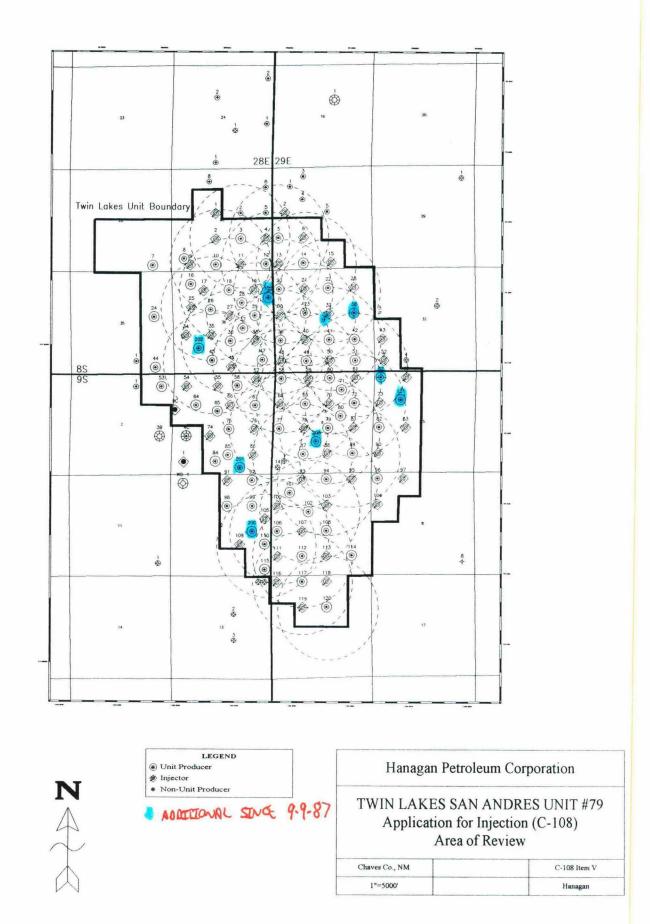
A2	HOLE SIZE:	12.25"	7.875"
A2	CASING SIZE:	8.625"	5.5"
A2	CASING WEIGHT:	24 #/FT	15.5 #/FT
A2	CASING DEPTH:	561'	3096'
A2	CEMENT:	345SX	1015SX
A2	TOP OF CEMENT:	SURFACE	370'
		CIRC-60sx	BOND LOG

A3	TUBING:	2.375" 4.7#/ft J55 internally plastic coated or fiberglass lined
A 3		00041 + (051

- A3 PACKER DEPTH: 2634' +/- 25'
- A4 PACKER TYPE: Halliburton R4 internally coated tension packer

B1	PROPOSED INJECTION FORMATION:	San Andres / Twin Lakes, San Andres
B2	PROPOSED INJECTION INTERVAL:	Perforations from: 2684' - 2761'
	EXISTING PERFORATIONS:	Same
	CEMENT ABOVE TOP PERFORATION:	2314'
B3	ORIGINAL WELL PURPOSE:	Oil Well
B4	OTHER PERFORATED INTERVALS:	None
B5	NEXT PAY ZONE - ABOVE:	None
B5	NEXT PAY ZONE - BELOW:	Devonian @ 7200' (+/- 100')





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TABULATION OF WELL RECORDS WITHIN AREA OF REVIEW (FOR ACTIVITY SUBSEQUENT TO SEPTEMBER 9, 1987)

TLSAU #203, UT. K-6-T98-R29E	TL.SAU #202, UT. M-36-T8S-R28E	TLSAU #201, UT. 0-1-T98-R28E	TL.SAU #200, UT. I-12-T9S-R28E	TLSAU #122, UT. H-36-T8S-R28E	TLSAU#121, UT. F-5-T98-R29E	TLSAU #62, UT. D-5-T9S-R29E	TLSAU #33, UT. G-31-T8S-R29E	WELL NAME & LOCATION TLSAU#31, UT. F-31-T8S-R29E
1997	1997	1997	1997	4/91	1991	1981	1981	DATE COMPL
8.625" @ 177, CEMENT W/110sx 5.5" @ 2848', CEMENT W/1100sx	8.625" @ 187, CEMENT W/1108x 5.5" @ 2750', CEMENT W/1050sx	8.625" @ 180', CEMENT W/110sx 5.5" @ 2821', CEMENT W/110osx	8.625" @ 168', CEMENT W/110sx 5.5" @ 2781, CEMENT W/1050sx	8.625" @ 566', CEMENT W/345sx 5.5" @ 3100', CEMENT W/825sx	8.625" @ 556', CEMENT W/345sx 5.5" @ 3100', CEMENT W1105sx	8.625" @ 130', CEMENT W/75sx 4.5" @ 2930', CEMENT W/200sx	8.625" @ 128', CEMENT W/75sx 4.5" @ 2918', CEMENT W/175sx	CASING RECORD 8.625" @ 138', CEMENT W/75sx 4.5" @ 2918', CEMENT W/7 sx
SURFACE SURFACE	SURFACE SURFACE	SURFACE SURFACE	SURFACE SURFACE	SURFACE 550' (BOND LOG)	SURFACE SURFACE	SURFACE 2054' (BOND LOG)	SURFACE 1150' (BOND LOG)	T.O.C SURFACE 370' (BOND LOG)
2642'-2706'	2615'-2626'	2626'-2649'	2616'-2681'	2642'-2706'	2839'-2892'	2780'-2823'	2747-2778	PROD.PERES 2684'-2725'
OIL	OIL	OIL	OIL	OIL	OIL	OIL	OIL	PROD.PERFS WELL TYPE STATUS 2684-2725' OIL P&A
ACTIVE	ACTIVE	ACTIVE	ACTIVE	ACTIVE	ACTIVE	P&A	Р& А	STATUS P&A

