			ABOVE THIS LINE FOR DI	IVISION USE ONLY	<u> </u>	n/
		NEW ME	XICO OIL CONV - Engineering		VISION	26 P
			ATIVE APPLIC			
Annlinatio		HEET IS MANDATORY FOR A	ALL ADMINISTRATIVE APPLICAT	TIONS FOR EXCEPTIONS T	O DIVISION RULES AND	REGULATIONS
Applicatio	n Acronyms:	[DD-Direc	dard Proration Unit] tional Drilling] [SD-	Simultaneous De	dication]	
	[PC-P	ool Commingling] [WFX-Waterflood	ng] [CTB-Lease Con [OLS-Off-Lease St Expansion] [PMX-F	torage] [OLM-Of Pressure Mainten	f-Lease Measure ance Expansion	ement]
	[EOR-Qua		Vater Disposal] [IPI- Dil Recovery Certifica			Raspōnse]
[1]	TYPE OF A	Location - Spaci	Check Those Wing Unit - Directional		FEB	1 4 2000
	Checl [B]	· · · · · · · · · · · · · · · · · · ·	or [C] Storage - Measuremo	ent	DLS OLM	NATION DIVISION
	[C]	<u> </u>	osal - Pressure Incre PMX ☐ SWD	ease - Enhanced (
[2]	NOTIFICAT	ION REQUIRE	D TO: - Check T	hose Which A	aply, or	Does Not Apply
	[A]		Royalty or Overriding		• • •	• • •
	[B]	✓ Offset Op	erators, Leaseholde	ers or Surface Ow	ner	
	[C]	☐ Application	on if One Which Req	uires Published L	egal Notice	
	[D]		on and/or Concurrent Land Management - Commissione			
	[E]	☐ For all of	the above, Proof of I	Notification or Pul	olication is Attac	hed, and/or,
	[F]	☐ Waivers a	are Attached			
[3]	I hereby certify Rules and Reg for administrat verify that all in included. I un	y that I, or personn gulations of the Oil tive approval is acc nterest (WI, RI, OF derstand that any	planting the property of the p	sion, have read a ion. Further, I ass to the best of my urther verify that a	nd complied with sert that the atta knowledge and Il applicable API cation is cause t	h all applicable sched application d where applicable, I Numbers are to have the
Lee R. W	/hite	You	////-/	Engineering Mana		
	ype Name	Signature		itle	yeı	2/10/00 Date



(713) 296-6000

February 10, 2000

Attn: David Catanach

State of New Mexico - Oil Conservation Division

2040 S. Pacheco

Santa Fe, New Mexico 87505

Re: Application to Downhole Commingle

Owen 'B' No. 8

Penrose; Skelly (Grayburg) Pool (50350) and Eunice; San Andres Pool (24150)

Sec. 34, T21S – R37E Lea County, New Mexico

Apache Corporation would like to request administrative approval to downhole commingle the production from the referenced pools in our Owen 'B' # 8 well.

To support this request we submit the following:

- 1) New Mexico OCD Form C-107A
- 2) New Mexico OCD Form C-102 for Penrose; Skelly (Grayburg) Pool
- 3) New Mexico OCD Form C-102 for Eunice; San Andres Pool
- 4) Production Curve for the Owen 'B' # 7 in the Penrose; Skelly (Grayburg) Pool
- 5) Production Curve for offset well Mark Owen # 1 in the Penrose; Skelly (Grayburg) Pool
- 6) Production Curve for offset well E O Carson # 23 in the Eunice; San Andres Pool
- 7) Allocation formula is based on current production

- 8) Copy of letter sent (by Certified Mail) to Offset operators within one-half mile of the Owen 'B' # 8
- 9) Well Bore Diagrams of current completion and proposed completion

If you have any questions or require additional information regarding this application, please contact me at 713-296-6338. Thank you.

Sincerely,

APACHE CORPORATION

Debra J. Anderson

Sr. Engineering Technician

Attachments

cc: New Mexico Oil Conservation Division

District I

1625 N. French Drive

Hobbs, New Mexico 88240

DISTRICT I 1625 N. French Drive, Hobbs, NM 88240 DISTRICT II 811 South First, Artesia, NM 88210 DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 DISTRICT IV

2040 S. Pacheco, Santa Fe, NM 87505

State of New Mexico Energy, Minerals and Natural Resources Department OIL CONSERVATION DIVISION 2040 S. Pacheco Santa Fe; New Mexico 87505-6429

4 3 90 1 2 2

Form C-107A
Revised August 1999
APPROVAL PROCESS:
☑ Administrative
Hearing
EXISTING WELLBORE
☑Yes □No

APPLICATION FOR DOWNHOLE COMMINGLING

	APPLIC	ATION FOR DOW	VHOLE COM	MINGLING				
APACHE CORPORATION		2000 POST OAK BL	VD., SUITE 100	, HOUSTON, TE	XAS 77056	-4400		
Operator Operator		Address		,				
OWEN 'B' 8		N - 34 - 21S - 37E				LEA		
Lease Well No.		Unit LtrSec-Twp-Ro	gn			County		
				Spacing Unit L	ease Types	(one or more)		
OGRID NO. 000873 Property Code	22879	API No.	30-025-34774		Federal	State	☑ Fee	
The following facts are submitted in		Jpper 		Intermediate			wer	
support of downhole commingling: 1. Pool Name and	PENROSE; SKELL	Zone V (GRAVRURG)]	Zones		EUNICE; SAN ANDF	one RES	
Pool Code	5035	•	1			24150		1
2. Top and Bottom of Pay								
Section (Perforations)	3688 - 3763					3826 - 4022		
Type of production (Oil or Gas)	OIL					OIL		l l
Method of Production								
(Flowing or Artificial Lift)	ARTIFICIAL LIFT					ARTIFICIAL LIFT		
5. Bottomhole Pressure Oil Zones - Artifical Lift:	a. (Current)		a.			a .		1
Estimated Current	115	50	ŀ			1350	1	- 1
Gas & Oil - Flowing:								
Measured Current All Gas Zones:	b. (Original)		b.			b.		1
Estimated or Measured Original								
6. Oil Gravity (°API) or				 -				
Gas BTU Content	36	3.8				37.1		
7. Producing or Shut-In?	PRODUCING YES					SHUT-IN YES		
Production Marginal? (Yes or No) If Shut-In, give date and oil/gas/	Date:	. 	Date:			Date:		1/9/00
water rates of last production	Rates:		Rates:			Rates:	19	x 23 x 55
Note: For new zones with no								
production history, applicant shall be required to attach production			-					
estimates and supporting data								
 If Producing, give date and oil/gas/ 	Date:		Date:			Date:		
water rates of recent test	Rates:	43 x 143 x 120	Rates:			Rates:		
(within 80 days) 8. Fixed Percentage Allocation	Oil:	Gas:	Oil:	Gas:		Oil:	Gas:	
Formula - % for each zone	1							1
(total of %'s to equal 100%)	69	<u>86%</u>	· · · · · · · · · · · · · · · · · · ·	<u>%</u>	%	31%)	14%
If allocation formula is based upon someth submit attachments with supporting data a								
 Are all working, overriding and royalty inter If not, have all working, overriding and royal 			☑Yes ? ☐Yes	□ No □ No				
11. Will cross-flow occur? ☐ Yes ☑ No.		uids compatible, will the			•			
flow production be recovered and will the			☐ Yes —	∏ No	(If No, att	ach explanation)		
12. Are all produced fluids from all commingled	d zones compatible	with each other?	✓ Yes	□No				
13. Will the value of production be decreased	by commingling?		Yes	☑no	(If Yes, at	ttach explanation)		
 If this well is on or communitized with state Bureau of Land Management has been no 					ites			
15. NMOCD Reference Cases for Rule 303(C)		iis application.	Yes	□ No Order No.s				
16. ATTACHMENTS: ° C-102 for each zone to be co ° Production curve for each zo ° For zones with no production ° Data to support allocation me ° Notification list of working, ov ° Any additional statements, di	ommingled showing one for at least one y n history, estimated ethod or formula verriding, and royalt	year. (If not available, a production rates and su y interests for uncommo	ittach explanation interest cases	n.)				
I hereby certify that the information above is true	re and complete to t	the best of my knowledg		gineering Technic	sian	DATE	5.0/10/00	
	h www.	11111	Sr. Eng			•	2/10/00	
TYPE OR PRINT NAME Debta J. Ander	son			_TELEPHONE I	NO.	713-296-6338		

DISTRICT I P.O. Box 1960, Hobbs, NM 88241-1980

State of New Mexico

Energy, Minerals and Ratural Resources Department

Form C-102 Revised February 10, 1994

Submit to Appropriate District Office

State Lease - 4 Copies For Lease - 3 Copies

DISTRICT II P.L. Drawer IID, Artesia, NM 68211-0719

DISTRICT III 1000 Bio Brazos Rd., Aztec, NM 87410

DISTRICT IV P.O. HOE 2058, SANTA FE, N.M. 57504-2088

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name					
30-025- 34774	50350	50350 Penrose; Skelly (Grayburg)					
Property Code	Pro	Property Name					
22879	O	WEN B	8				
OGRID No.		retor Neme	Elevation				
873	APACHE	3435					

Surface Location

UL or lot	No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
N		34	21 S	37 E		560	SOUTH	2180	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint of	r Infill Co	neolidation (Code Or	der No.				
40									

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION
1	I hereby certify the the information contained herein is true and complete to the
	best of my immuledge and belief.
	Con a devid
	Debra J. Wnderson Printed Name
	Sr. Engineering Technician
	02/07/00 Data
	SURVEYOR CERTIFICATION
	I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervises, and that the same is true and correct to the best of my belief.
	NOVEMBER 19, 1999 Date Surveyed Million LMP Signature & Seal of the Professional Surveyor Company
2180′	MEX Dir 19-23-99
- 260,	Continue No. RONALD EDSON 3238 GARY SIDSON 12841 Continue Profession Medical

DISTRICT I P.O. Ber 1980, Hobbs, NM 88841-1880

State of New Mexico

Energy, Minerals and Ratural Essentrons Department

Form C-102

Revised February 10, 1994

Bubmit to Appropriate Metrict Office

to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT II F.O. Drawer IID, Artonia, NH 88821-0710

DISTRICT III 1800 Rio Brancs Rd., Asiec, NM 87410 OIL CONSERVATION DIVISION P.O. Box 2088

DISTRICT IV P.O. BOX 8088, SANTA FR. N.K. 87004-8088 Santa Fe. New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code	Due .					
30-025- 34774	, \$ ⁴¹	24150 Eunice; San An						
Property Code	rafi	Proj	Well Number					
22879		0/	WEN B	8				
OGRED Na.		•	rator Name CORPORATION	Elevation				
873	3435							
		Smylo	ae Incetion					

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Fest from the	Bast/West line	County
N	34	21 S	37 E		560	SOUTH	2180	WEST	LEA

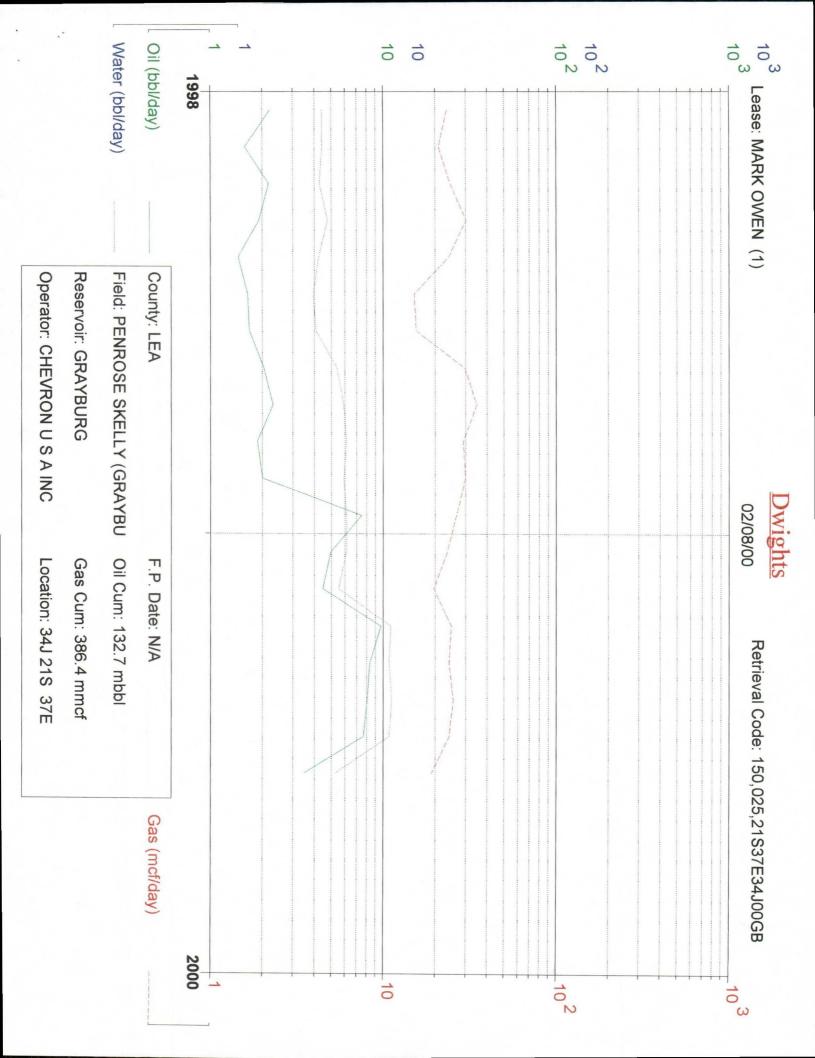
Bottom Hole Location If Different From Surface

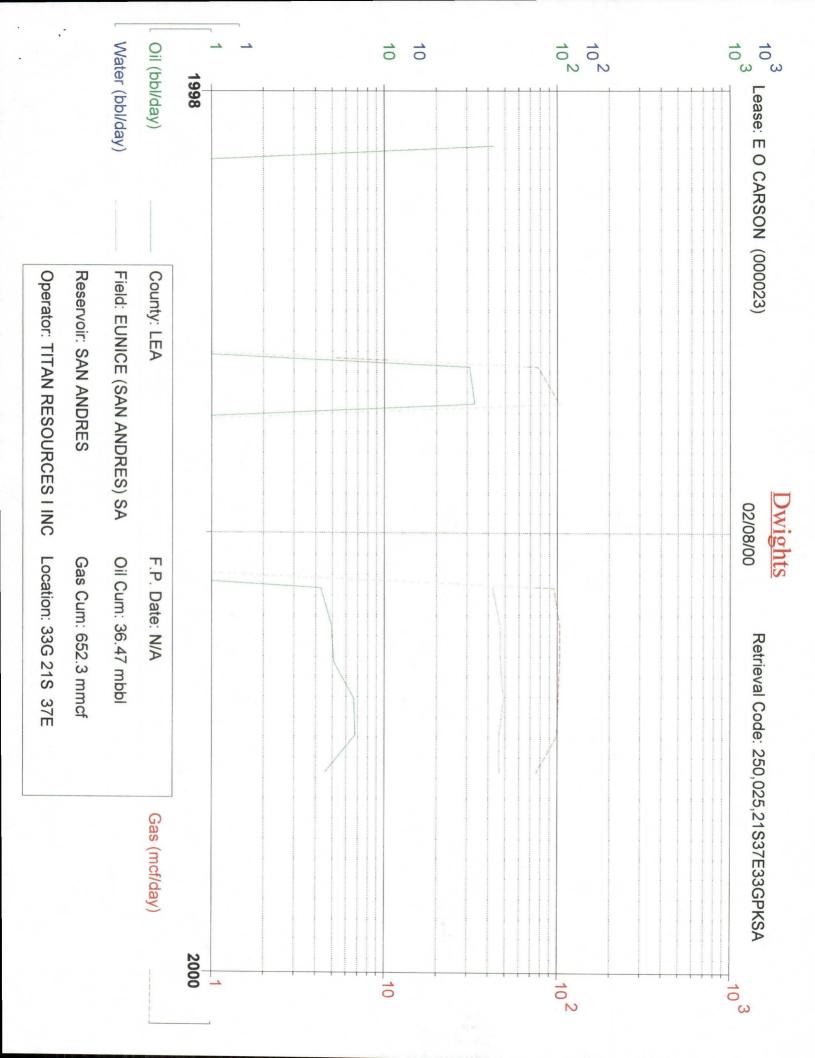
_				200000						
Ī	UL or lot No.	Section	Township	Range	Lat Idn	Feet from the	North/South line	Feet from the	East/West line	County
1			(_					·	•
1	1		1							1
1	I		<u>L</u>	لـــــــــــــــــــــــــــــــــــــ		<u> </u>				
1	Dedicated Acres	Joint o	r Infill Co	nsolidation (Code Ore	der No.				!
ì		1	1		ì					}
ı		į	1		1					
L		1								

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	UN A NUN-SIAM	OWER OUIT THE I	DEEN APPROVED	BY THE DIVISION
				OPERATOR CERTIFICATION
			ł	I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
		÷4.		Tobal dicerion
				Debra J. Anderson Printed Name
				Sr. Engineering Technician nue 01/20/2000
		u.)		Data SURVEYOR CERTIFICATION
				I hereby certify that the well location shown on this plat was plotted from field notes of satual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.
				NOVEMBER 19, 1999 Date Surveyed LMP Signature () Seal For Company
2180'				Propositional Surveyor MEX MEX MEX MEX MODIFICATION MEX M
	. 560			Centificate No. RONALD SEDSON 3239 GARY SIDSON 12641 10 FOOF MACON LEDONALD 12185







Owen 'B' No. 8 Downhole Commingle Application Offset Operators

Chevron USA Inc. P O Box 1150 Midland, Texas 79702 Certified Rcpt. # Z 142 208 184

Exxon Co. USA P O Box 4707 Houston, Texas 77210 Certified Rcpt. # Z 142 208 185

John H Hendrix Corporation 110 N. Marienfeld, Suite 400 Midland, Texas 79702-3040 Certified Rcpt. # Z 142 208 186



(713) 296-6000

February 10, 2000

Offset Operators

Re: Application to Downhole Commingle

Owen 'B' No. 8

Penrose; Skelly (Grayburg) Pool (50350) and Eunice; San Andres Pool (24150)

Sec. 34, T21S – R37E Lea County, New Mexico

Attached please find a copy of an Application to Downhole Commingle production from the referenced pools in the Owen 'B' # 8 well that Apache Corporation has filed with the New Mexico Oil Conservation Division. If you have an objection to this application, you must notify the OCD in writing within 20 days from the date of this letter. Thank you.

Sincerely,

APACHE CORPORATION

Debra J. Anderson

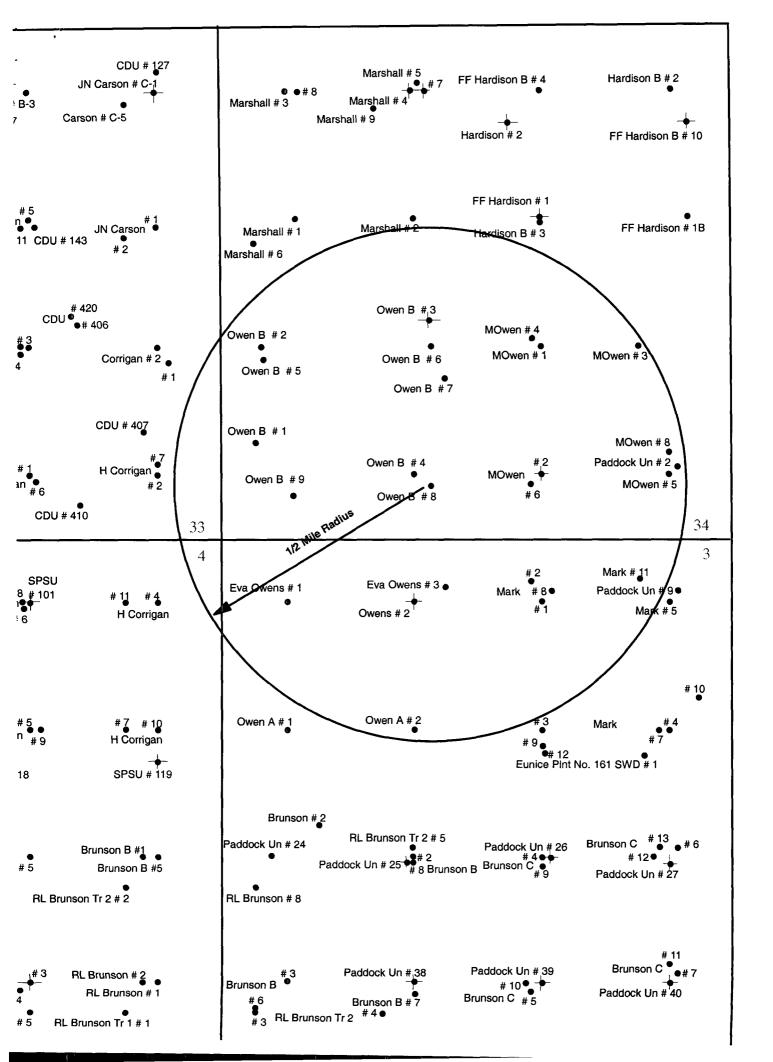
Sr. Engineering Technician

Attachments

cc: New Mexico Oil Conservation Division

2040 S. Pacheco

Santa Fe, New Mexico 87505



Well:

Owen 'B' # 8

Pool:

Penrose; Skelly (Grayburg)

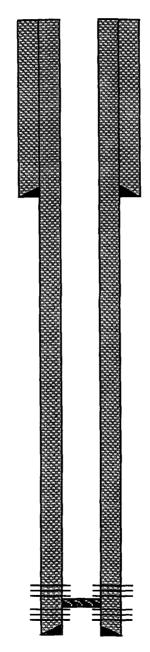
Location:

560' FSL & 2180' FWL

Unit N, Section 34, Township 21S, Range 37E

API#:

30-025-34774



Surface Casing: 12-1/4" Hole 8-5/8" 24# CSA 1103' Cement w / 435 sx Circulated to Surface

Current Status: Active Oil Penrose; Skelly (Grayburg)

Penrose; Skelly (Grayburg) Perfs: 3688-92, 3712-34, 42-63

4" - 191 Holes

RBP @ 3800'

Eunice; San Andres Perfs: 3826-38, 88-92, 3952-54, 86-88, 4011-22 4" - 129 Holes

Production Casing: 7-7/8" Hole 5-1/2" 17# CSA 4050' Cement w / 725 sx Circulated to Surface

TD @ 4050' PBTD @ 4043' Well:

Owen 'B' # 8

Pool:

Penrose; Skelly (Grayburg) / Eunice; San Andres

Location:

560' FSL & 2180' FWL

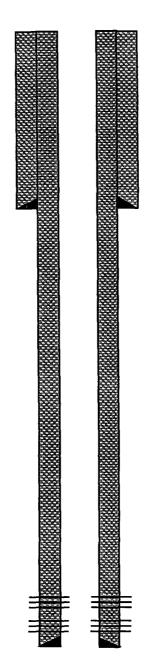
Unit N, Section 34, Township 21S, Range 37E

API#:

30-025-34774

Proposed Status: Active Oil Downhole Commingle

Penrose; Skelly (Grayburg) & Eunice; San Andres Pools



Surface Casing: 12-1/4" Hole 8-5/8" 24# CSA 1103' Cement w / 435 sx Circulated to Surface

Penrose; Skelly (Grayburg) Perfs: 3688-92, 3712-34, 42-63 4" - 191 Holes

Eunice; San Andres Perfs: 3826-38, 88-92, 3952-54, 86-88, 4011-22

4" - 129 Holes

Production Casing: 7-7/8" Hole 5-1/2" 17# CSA 4050' Cement w / 725 sx Circulated to Surface

TD @ 4050' **PBTD** @ 4043'