1 1				
DATE IN 2/14/00 SUSPENSE	3/6/00	ENGINEER DC	LOGGED	TYPE DHC

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONVERVATION DIVISION

- Engineering Bureau -

			TIVE APPLICATION C	
	THIS COVERS	HEET IS MANDATORY FOR ALL	ADMINISTRATIVE APPLICATIONS FOR EXCEPTION	ONS TO DIVISION RULES AND REGULATIONS
Application	PC-P	DD-Directio (nhole Commingling) (ool Commingling) [I (WFX-Waterflood Ex (SWD-Salt Wat	rd Proration Unit] [NSL-Non-S nal Drilling] [SD-Simultaneous [CTB-Lease Commingling] [DLS-Off-Lease Storage] [OLM pansion] [PMX-Pressure Mair er Disposal] [IPI-Injection Pres Recovery Certification] [PPR-F	Dedication] PLC-Pool/Lease Commingling] I-Off-Lease Measurement] Internance Expansion] Internance Expansion] Internance Expansion] Internance Expansion] Internance Expansion] Internance Expansion Internation In
[1]	TYPE OF A [A]		heck Those Which Apply Unit - Directional Drilling DD SD	for [A] FEB 4 2000
	Chec [B]	k One Only for [B] or Commingling - Sto ☑ рнс ☐ ст	rage - Measurement	OLS OLM
	[C]	Injection - Disposa	ıl - Pressure Increase - Enhanc x ☐swb ☐IPI	ed Oil Recovery
[2]	NOTIFICAT [A]	_	TO: - Check Those Which yalty or Overriding Royalty Inte	• • • • •
	[B]	✓ Offset Operation	ators, Leaseholders or Surface	Owner
	[C]	☐ Application	f One Which Requires Publishe	ed Legal Notice
	[D]	Notification U.S. Bureau of Land	and/or Concurrent Approval by Management - Commissioner of Public Lands, Sta	BLM or SLO te Land Office
	[E]	☐ For all of the	above, Proof of Notification or	Publication is Attached, and/or,
	[F]	☐ Waivers are	Attached	
[3]	I hereby certify Rules and Reg for administrat verify that all ir included. I und	that I, or personnel gulations of the Oil Coive approval is accur nterest (WI, RI, ORR	under my supervision, have rea onservation Division. Further, I ate and complete to the best of) is common. I further verify the ission of data, information or no	
Lee R. W	hite	Liok.	いんま Engineering Ma	anager 2/10/00
	ype Name	Signature	Title	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. 9

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

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' # 9 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' # 9
- 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

Form C-107A
Revised August 1999
APPROVAL PROCESS:

Administrative
Hearing
EXISTING WELLBORE
Yes No

APPLICATION FOR DOWNHOLE COMMINGLING

APACHE CORPORATION		VD., SUITE 100, H	OUSTON, TEXAS 77056	3-4400
Operator	Address			
OWEN 'B' 9	M - 34 - 21S - 37E			LEA
Lease Well No.	Unit LtrSec-Twp-Ro	•		County
		S	Spacing Unit Lease Types	: (one or more)
OGRID NO. 000873 Property Code	22879 API No.	30-025-34775	Federal	State Fee
The following facts are submitted in	Upper	Int	ermediate	Lower
support of downhole commingling:	Zone		Zones	Zone
Pool Name and Pool Code	PENROSE; SKELLY (GRAYBURG) 50350			EUNICE; SAN ANDRES 24150
2. Top and Bottom of Pay				24100
Section (Perforations)	3598 - 3772			3822 - 4062
3. Type of production	l _a ,,	[C.
(Oil or Gas) 4. Method of Production	OIL			OIL
(Flowing or Artificial Lift)	ARTIFICIAL LIFT			ARTIFICIAL LIFT
5. Bottomhole Pressure	a. (Current)	a.		a.
Oil Zones - Artifical Lift:	4450			1050
Estimated Current Gas & Oil - Flowing:	1150			1350
Measured Current	b. (Original)	b.		b.
All Gas Zones:				
Estimated or Measured Original				
Oil Gravity (°API) or Gas BTU Content	36.8			37.1
7. Producing or Shut-In?	PRODUCING			SHUT-IN
Production Marginal? (Yes or No)	YES			YES
o If Shut-In, give date and oil/gas/	Date:	Date:		Date: 1/12/00
water rates of last production	Rates:	Rates:		Rates: 11 x 81 x 115
Note: For new zones with no production history, applicant shall be				
required to attach production		 		
estimates and supporting data		j		
 If Producing, give date and oil/gas/ 	1	Date:		Date:
water rates of recent test	Rates: 49 x 174 x 117	Rates:		Rates:
(within 80 days) 8. Fixed Percentage Allocation	Oil: Gas:	Oil: (Gas:	Oii: Gas:
Formula - % for each zone		\	545 .	Gus.
(total of %'s to equal 100%)	82% 68%	%	%	18% 32%
9. If allocation formula is based upon someth	ing other than current or past production. o	r is based upon so	me other method	
submit attachments with supporting data a				
10. Are all working, overriding and royalty inter	rests identical in all commingled zones?	✓ Yes	□No	
If not, have all working, overriding and roys	alty interests been notified by certified mail	?	□No	
11. Will cross-flow occur? ☐ Yes ☑ No		formations be und	damaged, will any cross-	
flow production be recovered and will the a	allocation formula be reliable.	☐ Yes ☐	ີ No (lf 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, a	ttach explanation)
14. If this well is on or communitized with state	or federal lands, either the Commissioner			,,
Bureau of Land Management has been no			□ No	
15. NMOCD Reference Cases for Rule 303(C)			Order No.s	
16. ATTACHMENTS:				
	ommingled showing its spacing unit and acr	eage dedication		
 Production curve for each zo 	ne for at least one year. (If not available, a	ttach explanation.)		
° For zones with no production	history, estimated production rates and su	pporting data.		
 Data to support allocation me Notification list of working on 	ethod or formula. rerriding, and royalty interests for uncommo	on interest seese		
° Any additional statements, da	ata, or documents required to support com	mingling.		
			——————————————————————————————————————	
I hereby certify that the information above is tru	ue and complete to the best of my knowledg	ge and belief.		
In home	Daylal.			
SIGNATURE SIGNATURE	TITLE	Sr. Engine	eering Technician	DATE 2/10/00
TYPE OP PRINT NAME Debra J. Ander	900	-	TEL EDUONE NO	740,000,0000
Destination Ander	00.1	'	FELEPHONE NO.	713-296-6338

DISTRICT I P.O. Box 1880, Hobbs, RM 58841-1880

State of New Mexico

Energy, Minerala and Netural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office

State Lease - 4 Copies Foe Lease - 3 Copies

DISTRICT II P.O. Drawer ED, Artenia, NO 88811-0719

DISTRICT III 1000 Rio Brazos Rd., Astec. NM 87410

DISTRICT IV P.O. BOX 2005, MANTA PR. N.M. 87504-2056 OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025- 34775	Pool Code 50350	Pool Name Penrose; Skelly (Grayburg)	
Property Code 22879	P	Well Number	
OCRID No. 873	APACHE	Elevation 3435	

Surface Location

r	UL or lot No.	Section	Township	Range	Let län	Feet from the	North/South line	Feet from the	East/West line	County	Ì
	М	34	21 S	37 E		459	SOUTH	752	WEST	LEA	
	<u> </u>			Bottom	Hole Loc	ation If Diffe	rent From Sur	face			•

UL or lot No	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Ac	res Joint	er Intill Co	medidation	Code Or	der No.				
40	į								

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
}	! }	I hereby cartify the the information contained herein is true and complete to the hest of my knowledge and heliaf.
	 	Signatura Debra J. Anderson
.		Frinted Name Sr. Engineering Technicia THIA 02/07/00 Date
]	SURVEYOR CERTIFICATION I hereby certify that the well location shows
		on this plat was platted from field natus of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my better.
		NOVEMBER 19, 1999 Date Surveyor Company Compa
752'	·	199_11-098 A
459		Continues No. RONALD SEESON 3239 12641 100FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

DISTRICT I P.G. Box 1980, Bobbs, NK 88841-1880

State of New Mexico

Rosegy, Minerals and Natural Resources Department.

Form C-102 Bevised February 10, 1994 Submit to Appropriate District Office

State Lease - 4 Copies
For Lease - S Copies

DISTRICT II P.O. Drawer DD, Artesia, ROS 88811-6719

DISTRICT III 1000 Rio Brazos Rd., Astec, NK 67410

DISTRICT IV P.C. HOX 8068, BANTA PE, M.M. 87804-8068 OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

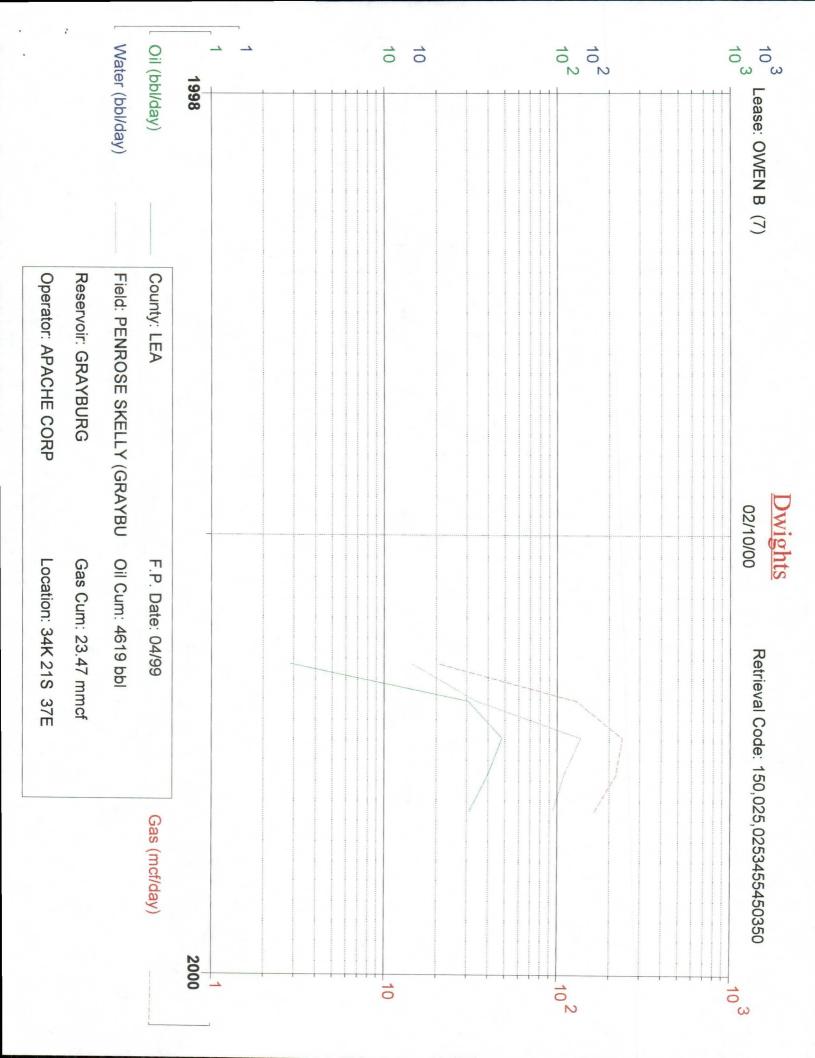
☐ AMENDED REPORT

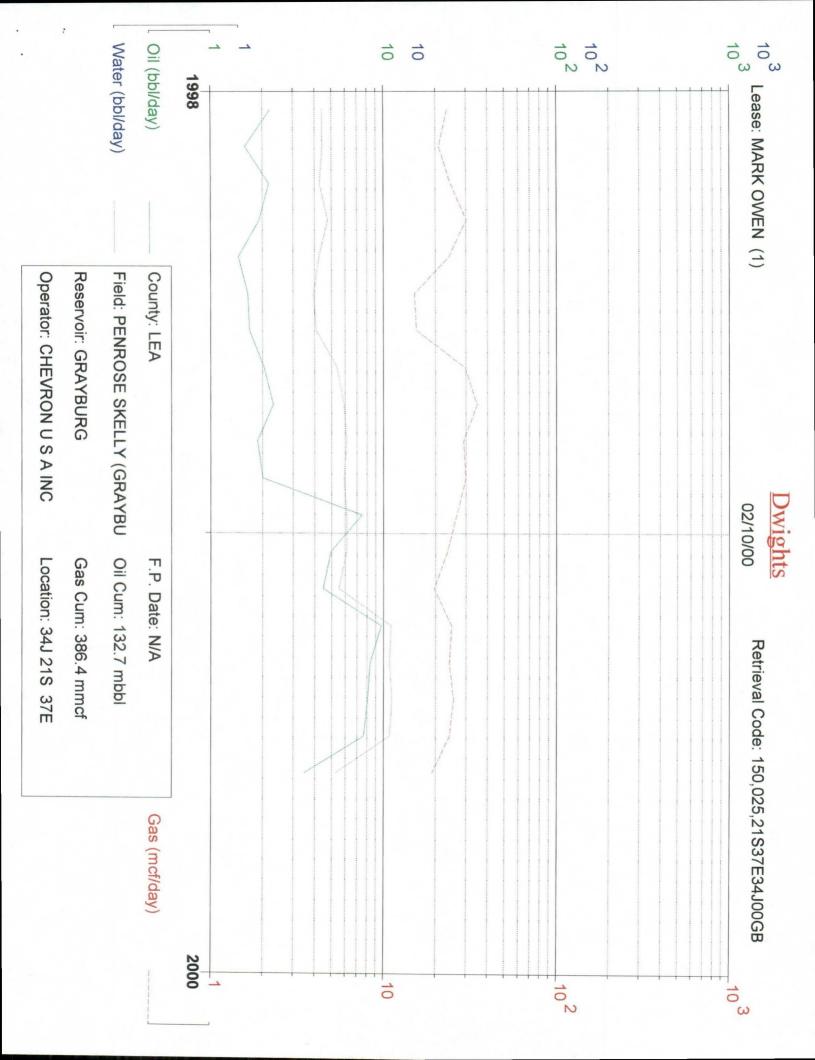
WELL LOCATION AND ACREAGE DEDICATION PLAT

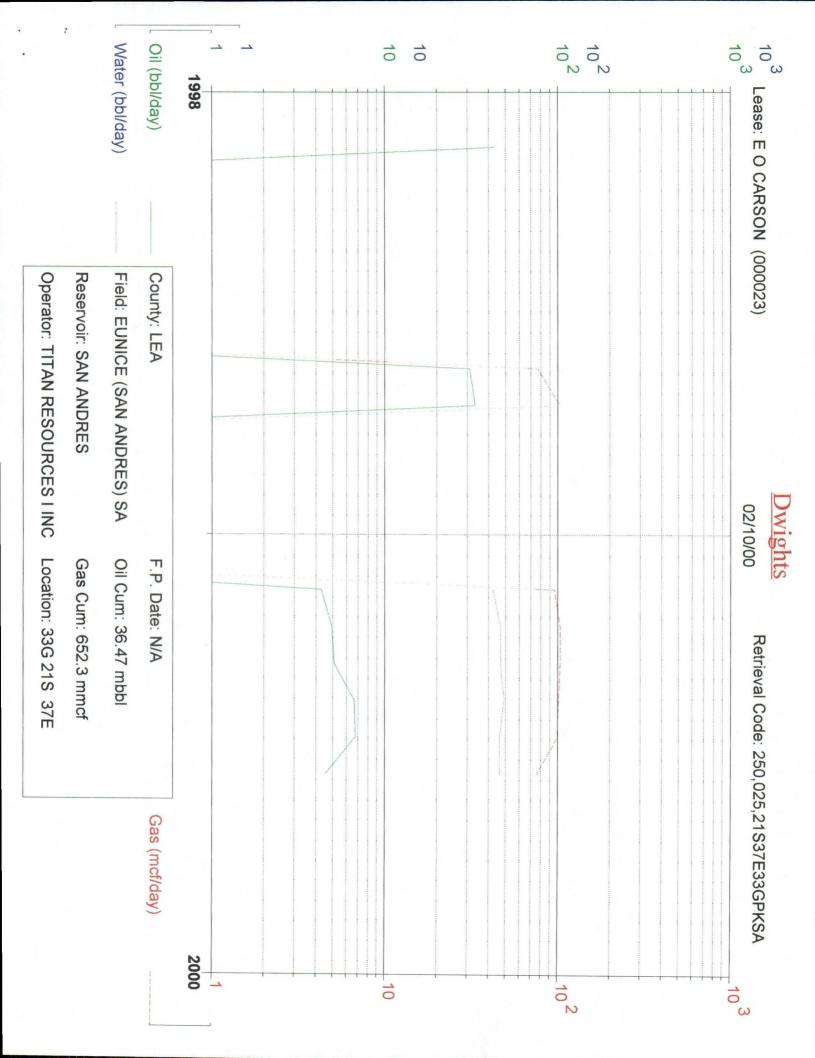
	Number	Pool Code				Pool Name			
30-025-	34775		24150 Eunice; San Andres						
Property C	ode				Property N			Well Nun	per
22879					OWEN	В		9	
00RID No. 873	•			APA	Operator N ACHE CORF			Elevation 343	
					Surface Lo	cation			
UL or lot No.	Section	Township	Range	Lot lön	Fest from the	North/South line	Feet from the	East/West line	County
M	34	21 S	37 E		459	SOUTH	752	WEST	LEA
			Bottom	Hole Loc	cation If Dif	ferent From Sur	face		
UL or lot No.	Section	Township	Range	Lot Idn	Fost from the	North/South line	Feet from the	East/West line	County
					:				
Dedicated Acres	Joint o	r Infili Co	nsolidation (Code Or	ter No.				4

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	1	I hereby certify the the information
		contained herein is true and complete to the
		best of my knowledge and belief.
		0:1:0:
	'	1 both Lough much
		Bignatura
		Debra J. Anderson
		Printed Name
	•	Sr. Engineering Technician
		01/20/2000
		Duta 01/20/2000
1	,	SURVEYOR CERTIFICATION
i		I haveby certify that the well location wheren
		on this plut some plotted from field noise of
		arronnelson, and that the same is true and
	·	correst to the bast of my boild.
1		NOVEMBER 19, 1999
	·	Date Surgered Committee LMP
		Date Surgered Seal of Collins Protestational Surgery Collins
i i		Professional Burenion
		A ANTO
		Marila 1 3832 1 son #1-23-99
750' 0		99-11-098
752'		Certificate No. RONALD DEDSON 3238
459		Cartificate No. RONALD DEDSON 3238 12641 100 FEMBER AND 12185
		A COUNTY OF THE PROPERTY OF TH







Owen 'B' No 9 Downhole Commingle Application Offset Operators

BEC Corporation 110 N. Marienfeld, Suite 370 Midland, Texas 79702 Certified Rcpt. # Z 142 208 187 John H Hendrix Corporation 110 N. Marienfeld, Suite 400 Midland, Texas 79702-3040 Certified Rcpt. # Z 142 208 186

Chevron USA Inc. P O Box 1150 Midland, Texas 79702 Certified Rcpt. # Z 142 208 184 Mobil Producing TX & NM Box 1800 Hobbs, New Mexico 88240 Certified Rcpt. # Z 142 208 189

Collins & Ware 303 W. Wall, Suite 2200 Midland, Texas 79701 Certified Rcpt. # Z 142 208 188 Titan Resources I Inc. 500 W. Texas, Suite 500 Midland, Texas 79701 Certified Rcpt. # Z 142 208 190



(713) 296-6000

February 10, 2000

Offset Operators

Re: Application to Downhole Commingle

Owen 'B' No. 9

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 the production from the referenced pools in the Owen 'B' # 9 well that Apache Corporation has filed with the New Mexico Oil Conservation Division. If you have any 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

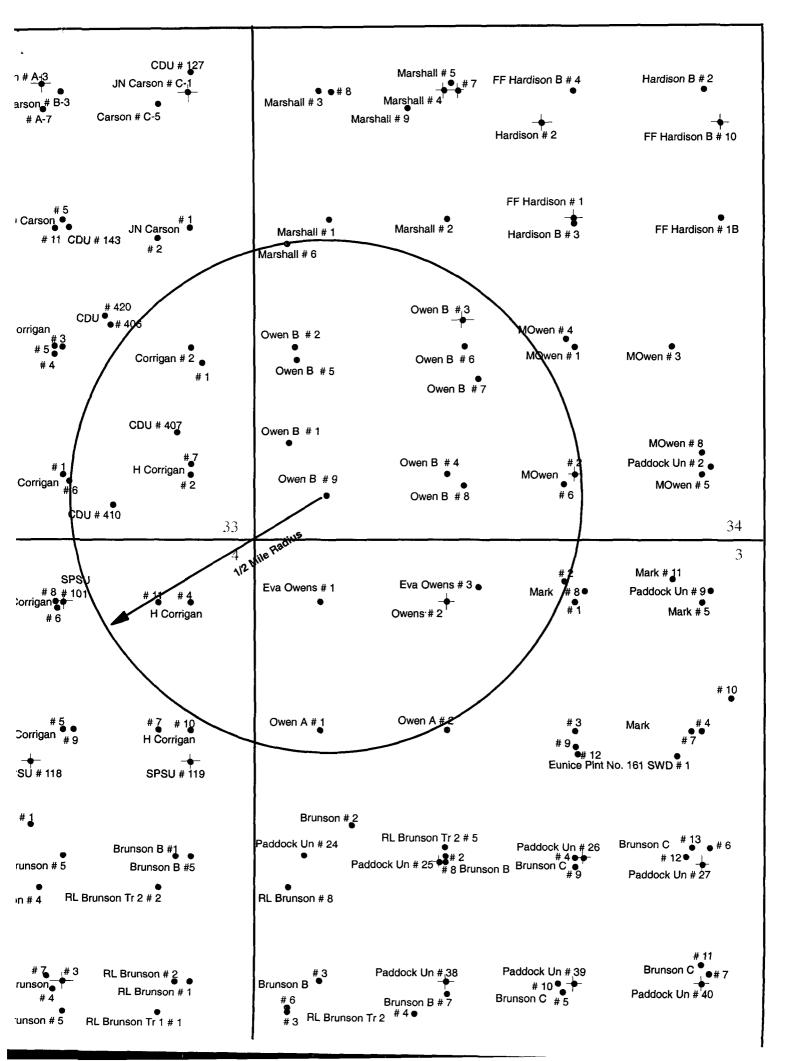
Sr. Engineering Technician

Attachments

cc: New Mexico Oil Conservation Division

2040 S. Pacheco

Santa Fe, New Mexico 87505



Well:

Owen 'B' # 9

Pool:

Penrose; Skelly (Grayburg)

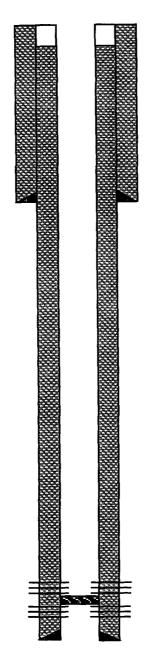
Location:

459' FSL & 752' FWL

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

API#:

30-025-34775



Surface Casing: 12-1/4" Hole 8-5/8" 24# CSA 1092' Cement w / 460 sx Circulated to Surface

Current Status: Active Oil Penrose; Skelly (Grayburg)

Penrose; Skelly (Grayburg) Perfs: 3598-3602, 06-09, 20-24, 80-3702, 08-21, 27-32, 44-72
4" - 339 Holes

RBP @ 3800'

Eunice; San Andres Perfs: 3822-30, 48-52, 88-96, 3953-56, 4024-28, 50-62 4" - 156 Holes

Production Casing: 7-7/8" Hole 5-1/2" 17# CSA 4150' Cement w / 830 sx TOC @ 100' (CBL)

TD @ 4150' PBTD @ 4125' Well:

Owen 'B' # 9

Pool:

Penrose; Skelly (Grayburg) / Eunice; San Andres

Location:

459' FSL & 752' FWL

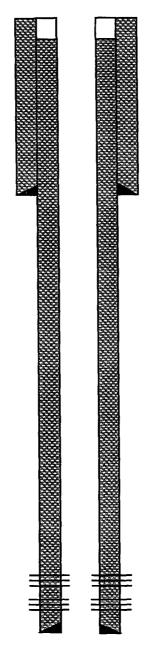
Unit M, Section 34, Township 21S, Range 37E

API#:

30-025-34775

Proposed Status: Active Oil Downhole Commingle

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



Surface Casing: 12-1/4" Hole 8-5/8" 24# CSA 1092' Cement w / 460 sx Circulated to Surface

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