

DATE IN 11-17-09	SUSPENSE	ENGINEER Jones	LOGGED IN 11-17-09	TYPE DHC	APP NO. 0932157700
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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



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.

Sophie Mackay
 Print or Type Name

Signature

Engineering Tech
 Title

11/18/2009
 Date

sophie.mackay@apachecorp.com
 e-mail Address

RECEIVED

2009 NOV 17 AM 11 55

TWO WARREN PLACE / SUITE 1500 / 6120 S. YALE / TULSA, OKLAHOMA 74136-4224

WWW.APACHECORP.COM
Telephone: (918) 491-4900

November 16, 2009

William Jones
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Application for Downhole Commingle
AB Baker #7
Unit P, Sec 10, T-22S, R-37E
Penrose Skelly; Grayburg and Eunice; San Andres, South
Lea County, New Mexico

Dear Mr. Jones,

Enclosed please find an administrative application form (C-107A) and attachments for downhole commingling the Grayburg and San Andres in the AB Baker #7. Apache intends to produce both zones together with an expected rate of 5 BOPD, 80 BWPD, and 98 MCFPD. The ownership (WI, NRI and ORRI) of these pools are identical in this wellbore. Downhole commingling in this manner will offer an economic method of production while protecting against reservoir damage, waste of reserves and violation of correlative rights. This is a Private well. The allocation method was determined by analyzing cumulative oil and gas production in a nine section area surrounding this well. Supporting documentation is shown on the attached spreadsheets.

This application is to correct an operator oversight from 2/2001. This well was originally completed to the San Andres in 11/2000, but was immediately plugged back and completed to the Grayburg in 11/2000. Completion paperwork was submitted for the Grayburg showing a RBP over the San Andres. That RBP was pulled in 2/2001 and the operator failed to submit the completion paperwork and the downhole commingle application. Apache is now attempting to correct the well record. Completion paperwork has been submitted to the district office.

If you need additional information or have any questions, please give me a call at (918) 491-4864.

Sincerely,

A handwritten signature in cursive script that reads "Sophie Mackay".

Sophie Mackay
Engineering Technician

District I
1625 N. French Drive, Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised June 10, 2003

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

APPLICATION TYPE
☒ Single Well
☐ Establish Pre-Approved Pools
EXISTING WELLBORE
☒ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

Apache Corporation 6120 S Yale Ave, Suite 1500, Tulsa, OK 74136-4224
Operator Address
AB Baker 007 P 10 22S 37E Lea
Lease Well No. Unit Letter-Section-Township-Range County
OGRID No. 873 Property Code 26464 API No. 30-025-35134 Lease Type: ☐ Federal ☐ State ☒ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Penrose Skelly; Grayburg		Eunice; San Andres, South
Pool Code	50350		24170
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	3612' - 3690' (Perf)		3742' - 4213' (Perf)
Method of Production (Flowing or Artificial Lift)	Artificial Lift		Artificial Lift
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	NA		NA
Oil Gravity or Gas BTU (Degree API or Gas BTU)	34.9 API		34.1 API
Producing, Shut-In or New Zone	Producing		Producing
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: Rates: 3 BOPD 25 BWPD 53 MCFPD	Date: Rates:	Date: Rates: 2 BOPD 55 BWPD 45 MCFPD
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas 67 % 54 %	Oil Gas % %	Oil Gas 33 % 46 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes ☒ No ☐
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes ☐ No ☐
Are all produced fluids from all commingled zones compatible with each other? Yes ☒ No ☐
Will commingling decrease the value of production? Yes ☐ No ☒
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes ☒ No ☐
NMOCD Reference Case No. applicable to this well: _____

Attachments:
C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
Production curve for each zone for at least one year. (If not available, attach explanation.)
For zones with no production history, estimated production rates and supporting data.
Data to support allocation method or formula.
Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:
List of other orders approving downhole commingling within the proposed Pre-Approved Pools
List of all operators within the proposed Pre-Approved Pools
Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.
SIGNATURE Sophie Mackay TITLE Engineering Technician DATE 11/16/2009
TYPE OR PRINT NAME Sophie Mackay TELEPHONE NO. (918) 491-4864
E-MAIL ADDRESS sophie.mackay@apachecorp.com

District I

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-35134		2 Pool Code 50350		3 Pool Name Penrose Skelly; Grayburg	
4 Property Code 26464		5 Property Name AB Baker			6 Well Number 007
7 OGRID No. 873		8 Operator Name Apache Corporation			9 Elevation 3380'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	10	22S	37E		727	South	827	East	Lea

11 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
10									
12 Dedicated Acres		13 Joint or Infill		14 Consolidation Code		15 Order No.			

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.

16	17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> Signature <u>S. Mackay</u> Date <u>11/16/2009</u> Sophie Mackay Printed Name	
	18 SURVEYOR CERTIFICATION <i>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 supervision, and that the same is true and correct to the best of my belief.</i> Date of Survey Signature and Seal of Professional Surveyor:	
	Certificate Number	

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Form C-102

Revised October 12, 2005

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-35134		² Pool Code 24170	³ Pool Name Eunice; San Andres, South
⁴ Property Code 26464	⁵ Property Name AB Baker		⁶ Well Number 007
⁷ OGRID No. 873	⁸ Operator Name Apache Corporation		⁹ Elevation 3380'

¹⁰ Surface Location

UL or lot no. P	Section 10	Township 22S	Range 37E	Lot Idn	Feet from the 727	North/South line South	Feet from the 827	East/West line East	County Lea
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¹¹ 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
¹² Dedicated Acres 80		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. R-12478-A			

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.

16				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.  11/16/2009 Signature Date Sophie Mackay Printed Name	
				¹⁸ 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 supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyor:	
				Certificate Number	

Lease Name	Well Number	10DIGITAPI	Location	Cum Oil (BBL)		Cum Gas (MCF)		Cum Water (BBL)	
				Grayburg	San Andres	Grayburg	San Andres	Grayburg	San Andres
NEW MEXICO S STATE	104	3002509954	2O 22S 37E		38935		98581		546928
NEW MEXICO S	4	3002509959	2M 22S 37E		86877		57074		3350047
STATE C	1	3002509972	2M 22S 37E	13722					
R L BRUNSON TR 2	5	3002509974	3K 22S 37E NE SW	150346		1033994		785461	
MARK	1	3002509979	3 22S 37E	81805		688343		189149	
BRUNSON	2	3002509983	3L 22S 37E	98182		829351		44657	
MARK	2	3002509991	3G 22S 37E	6802		15627		64549	
OWEN A	2	3002509992	3F 22S 37E	93578		527343		384744	
MARK	3	3002509995	3H 22S 37E C SW NE	11756		174483		162789	
MARK	4	3002509996	3H 22S 37E	11056		58332		28314	
EVA OWEN	1	3002509999	3 22S 37E C NW NW	29984		48905		12595	
OWEN	2	3002510000	3C 22S 37E	12684				0	
EVA OWEN	3	3002510001	3 22S 37E NE NE NW	7186		72176		19157	
R L BRUNSON TR 2	3	3002510002	3M 22S 37E SW SW	119547		924288		130214	
R L BRUNSON TR 2	4	3002510003	3N 22S 37E SE SW	67661		3366985		14287	
OWEN A	1	3002510005	3E 22S 37E SW NW	57334				0	
H CORRIGAN	4	3002510006	4A 22S 37E	56623				0	
SKELLY UNIT	119	3002510008	4H 22S 37E	137030		300354		116	
SKELLY UNIT	118	3002510010	4G 22S 37E C SW NE	99347		338317		2	
SKELLY UNIT	101	3002510013	4B 22S 37E	81327		68154		138	
BRUNSON	3	3002510018	4O 22S 37E	67356		168753		1260	
CLIFTON	1	3002510020	4M 22S 37E	62836		90878		15758	
E A STICHER	1	3002510024	4N 22S 37E	93984		145041		357	
W M RINEWALT	2	3002510026	4E 22S 37E NE SW NW	114144		65623		100	
R L BRUNSON TR 1	1	3002510028	4P 22S 37E SE SE	105924		5487732		51840	
R L BRUNSON TR 2	2	3002510029	4I 22S 37E SW NE SE	174433		1351739		523955	
BRUNSON	1	3002510030	4J 22S 37E	117307		1150079		587988	
RINEWALT	1	3002510034	4F 22S 37E SE SE NW	61118	4407		368837		227878
RINEWALT	2	3002510035	4C 22S 37E	62476					
E A STICHER	1	3002510038	4K 22S 37E	39482					
TEXACO E A STICHER	2	3002510039	4L 22S 37E NW SW	60810		753372		288513	
TEXACO E A STICHER	3	3002510040	4K 22S 37E SW NE SW	13127		557590		236262	
TEXACO E A STICHER	4	3002510041	4L 22S 37E		2171		365995		985136
RINEWALT	1	3002510042	4 22S 37E	145834		668244		14515	
R L CLIFTON	2	3002510046	4M 22S 37E SE SW SW	8940		196998		46168	
R L BRUNSON TR 1	2	3002510047	4P 22S 37E C SE SE	10609		531802		207976	
ELLIOTT B 9	1	3002510121	9E 22S 37E	14396					
J L GREENWOOD	1	3002510122	9P 22S 37E	63362					
GREENWOOD	2	3002510123	9L 22S 37E	110093		166963		19655	
J L GREENWOOD	3	3002510124	9M 22S 37E	53471					
GREENWOOD	4	3002510125	9N 22S 37E	102476		238928		29856	
SKELLY UNIT	172	3002510126	9I 22S 37E	36996					
J L GREENWOOD	6	3002510127	9O 22S 37E	39935					
GREENWOOD	7	3002510128	9J 22S 37E	92557		283110		62866	
SKELLY UNIT	144	3002510138	9A 22S 37E	90862		195871		4960	
SKELLY UNIT	163	3002510139	9H 22S 37E	52235		170533		3483	
BRUNSON ARGO A	8	3002510140	9G 22S 37E	38573		63928		15320	
PENROSE	2	3002510146	9E 22S 37E SE SW NW		11248		850548		204196
ELLIOTT B 9	1	3002510149	9C 22S 37E	31049	2374		360735		43675
ELLIOTT B 9	2	3002510153	9D 22S 37E	22107	8350		316239		45901
ROLLON BRUNSON	5	3002510156	10G 22S 37E NE SW NE		16373		658590		403921
ROLLON BRUNSON	1	3002510159	10B 22S 37E	69368		61829		1691	
ROLLON BRUNSON	6	3002510162	10B 22S 37E NW NW NE	14499	1973	450691	2982	136216	2459
EAVES	1	3002510163	10A 22S 37E C NE NE		14822		521192		72175
SKELLY UNIT	167	3002510164	10H 22S 37E	75851		703412		745	
EAVES	4	3002510167	10H 22S 37E		63442		2141522		699542
EAVES	1	3002510169	10A 22S 37E	131154		484068		10353	
BRUNSON ARGO B	3	3002510170	10D 22S 37E	145494		847114		25334	
SKELLY UNIT	166	3002510171	10G 22S 37E	31615					
BRUNSON ARGO B	4	3002510172	10C 22S 37E	110531		703217		22237	
BRUNSON ARGO	5	3002510173	10F 22S 37E	36680					
BRUNSON ARGO	6	3002510174	10E 22S 37E	37625					
BAKER B	1	3002510182	10M 22S 37E	61880		173466		16376	
BAKER B	2	3002510183	10K 22S 37E	58198		211443		17383	
BAKER B	3	3002510184	10L 22S 37E	47312		168875		1670	
BAKER B	4	3002510185	10O 22S 37E C SW SE		6088		367740		61424
BAKER B	10	3002510190	10J 22S 37E		23273		492461		607882
BAKER B	12	3002510192	10K 22S 37E NE SW		11334		686990		322363
BAKER B	14	3002510194	10M 22S 37E		5369		296013		111084
LOU WORTHAM	1	3002510196	11D 22S 37E W2 NW NW	195088		1315270		201631	
LOU WORTHAM	3	3002510197	11C 22S 37E W2 NE NW	194307		1594080		552849	
LOU WORTHAM	4	3002510198	11F 22S 37E NE SE NW	140794		1514902		285183	

Lease Name	Well Number	10DIGITAPI	Location	Cum Oil (BBL)		Cum Gas (MCF)		Cum Water (BBL)	
				Grayburg	San Andres	Grayburg	San Andres	Grayburg	San Andres
LOU WORTHAM	2	3002510200	11E 22S 37E NE SW NW	202428		1703397		214319	
S E LONG	2	3002510202	11J 22S 37E	13375		24704		49777	
LOU WORTHAM A	1	3002510210	11A 22S 37E	22578		107998		46939	
LOU WORTHAM C	4	3002510211	11H 22S 37E C SE NE		157480		859989		1301414
LOU WORTHAM	20	3002510216	11D 22S 37E NW NW		96696		720063		1251983
THOMAS LONG	1	3002510226	11L 22S 37E	86851		426183		2185	
THOMAS LONG	5	3002510229	11N 22S 37E C SE SW	1790		11076		17858	
HUGH	1	3002510257	14D 22S 37E	2207		5224		11017	
HUGH	3	3002510259	14B 22S 37E	12885		283930		409400	
E W WALDEN	6	3002510275	15N 22S 37E	75293		131150		15	
ELLIOTT A 15	1	3002510276	15P 22S 37E	89639		128067		751	
ELLIOTT A 15	2	3002510278	15O 22S 37E	129125		333187		218092	
E W WALDEN	1	3002510285	15E 22S 37E	68666		445297		35635	
E W WALDEN	5	3002510286	15M 22S 37E	74162		206164		18919	
E W WALDEN	4	3002510287	15K 22S 37E C NE SW	76445		46847			
E W WALDEN	6	3002510288	15N 22S 37E C SE SW	75293		131150			
ELLIOTT FEDERAL	1	3002510289	15G 22S 37E C SW NE	52554		101691		1828	
E W WALDEN	2	3002510292	15F 22S 37E	56433		109196			
E W WALDEN	2	3002510295	15C 22S 37E	114145		960826		198097	
E W WALDEN	3	3002510297	15L 22S 37E	57540		119404			
ELLIOTT A 15	1	3002510298	15J 22S 37E	113627		677149		455956	
ELLIOTT B 15	2	3002510299	15A 22S 37E	109922		630253		181401	
ELLIOTT B 15	3	3002510300	15B 22S 37E	108853		1154476		165112	
E W WALDEN	1	3002510303	15D 22S 37E	160091		1005927		63865	
R E COLE	1	3002510310	16O 22S 37E SW SE	77646		392119		414766	
R E COLE	2	3002510311	16N 22S 37E SE SW	59977		301546		1014242	
R E COLE	3	3002510312	16M 22S 37E SW SW					3278	
R E COLE NCT A	1	3002510313	16P 22S 37E	201481		391930		67813	
R E COLE NCT A	2	3002510314	16L 22S 37E	49863		64403		6289	
R E COLE NCT A	3	3002510315	16I 22S 37E	147185		445647		269307	
R E COLE NCT A	5	3002510318	16I 22S 37E NE NE SE	20266	2405	208976	95263	125361	28424
R E COLE NCT A	6	3002510319	16B 22S 37E		2778		350594		155803
COLE STATE	1	3002510321	16A 22S 37E	117840	18762	367935	1042968	5260	146645
COLE STATE	2	3002510322	16D 22S 37E	107089		320575		226	
COLE STATE	3	3002510323	16C 22S 37E	105960		445041		7842	
COLE STATE	4	3002510324	16E 22S 37E	79397		496640		12182	
COLE STATE	5	3002510325	16H 22S 37E	74464		523230		5363	
R E COLE B STATE	6	3002510326	16B 22S 37E	33962					
SKELLY UNIT	168	3002512574	10I 22S 37E	27933		190869		8744	
THOMAS LONG	6	3002520147	11K 22S 37E	71665		446859		279186	
NEW MEXICO S	25	3002520283	2N 22S 37E	8630		41646		21126	
NEW MEXICO S STATE	24	3002520390	2J 22S 37E S2 NW NE	2629		16467		12428	
R E COLE A	20	3002521238	16K 22S 37E	31243		249082		39352	
HUGH	10	3002521625	14E 22S 37E SW SW NW	68824		513485		363667	
LOU WORTHAM B	1	3002521785	11B 22S 37E	63283		317454		175297	
LOU WORTHAM C	3	3002522070	11A 22S 37E NE NE		167780		849094		1005468
R E COLE NCT A	8	3002522109	16K 22S 37E	39313	1777	325228	154594	84823	16725
LOU WORTHAM A	2	3002522134	11H 22S 37E W2 SE NE	15878		90665		80016	
LOU WORTHAM B	2	3002522135	11G 22S 37E W2 SW NE	44745		681535		191375	
COLE STATE	10	3002522163	16E 22S 37E		6559		605366		197273
E W WALDEN	7	3002522185	15L 22S 37E N2 NW SW	83449		1254879		597788	
R E COLE NCT A	11	3002522382	16J 22S 37E C NW SE	53526	6331	606199	295670	63836	131072
HUGH	9	3002522393	14D 22S 37E NW NW	35368		216773		74723	
COLE STATE	12	3002522486	16D 22S 37E SW NW NW		4211		618602		136132
HUGH	11	3002522625	14F 22S 37E SE NW	62869		560924		448658	
ELLIOTT B 15 2	2	3002522634	15H 22S 37E	52989		935425		83696	
ELLIOTT 16 FEDERAL	2	3002522755	15G 22S 37E SW NE	41375		894549		591752	
HUGH	12	3002522910	14C 22S 37E NE NW	40230		317848		412403	
E W WALDEN	8	3002522983	15K 22S 37E N2 NE SW	68297		1030360		698866	
E W WALDEN	9	3002523165	15F 22S 37E NW SE NW	53390		1355281		454852	
E W WALDEN	10	3002523166	15E 22S 37E SW NW	57225		1536110		1041964	
NEW MEXICO S STATE	26	3002523211	2L 22S 37E		153				
HUGH	13	3002523275	14D 22S 37E NW NW		116799		885879		2077140
LOU WORTHAM C	1	3002523422	11B 22S 37E NE NW NE		292102		912097		1527460
BRUNSON C	9	3002523425	3J 22S 37E	95596		343480		103087	
LOU WORTHAM C	2	3002523473	11G 22S 37E NW SW NE		152117		567900		1093693
BRUNSON C	10	3002523486	3O 22S 37E	75803		346476		74548	
BRUNSON C	11	3002523523	3P 22S 37E	110326		407270		101145	
BRUNSON C	12	3002523549	3I 22S 37E	83131		365427		136331	
LOU WORTHAM	5	3002523606	11C 22S 37E SW NE NW		306556		1057729		408889
GREENWOOD	18	3002523691	9M 22S 37E		3903		629495		733086
LOU WORTHAM	6	3002523756	11E 22S 37E SW SW NW		56790		1854709		180461

Lease Name	Well Number	10DIGITAPI	Location	Cum Oil (BBL)		Cum Gas (MCF)		Cum Water (BBL)	
				Grayburg	San Andres	Grayburg	San Andres	Grayburg	San Andres
COLE STATE	14	3002523828	16F 22S 37E		6345		792175		436213
MARK	9	3002524584	3G 22S 37E	86726		1288886		245224	
E W WALDEN	11	3002524603	15M 22S 37E N2 SW SW	91494		1740076		1615598	
R E COLE NCT A	15	3002524763	16L 22S 37E E2 NW SW	1325	8660	27622	336749	18206	169538
S E LONG	9	3002525322	11J 22S 37E NW SE		5945		223843		285885
R E COLE NCT A	17	3002525356	16P 22S 37E SW SE SE	25363	11966	48713	212082	68359	81448
R E COLE	3	3002525689	16M 22S 37E NE SW SW	12156		190106		1465	
MARK	10	3002525785	3H 22S 37E NE SE NE	74303		702451		217959	
MARK	11	3002526051	3 22S 37E NW NE NE	36575		188391		68397	
EAVES	7	3002526212	10H 22S 37E SE SE NE	6302		46689		15173	
R E COLE NCT A	21	3002526474	16B 22S 37E	3103		100901		8095	
E W WALDEN	12	3002527756	15F 22S 37E SW SE NW	21422	6724	449313	174694	202253	184025
E W WALDEN	13	3002527956	15K 22S 37E SW NE SW	54623		1127931		217802	
E W WALDEN	14	3002528204	15N 22S 37E SE SE SW	48542		1043650		492469	
HUGH	16Y	3002528595	14E 22S 37E NE SW NW	16305	5731	188048	128865	91400	78015
LOU WORTHAM	19	3002528617	11F 22S 37E S2 SE NW	4228	19920	64976	111516	10318	97277
BRUNSON	4	3002529125	4J 22S 37E	19074		2342421		1141304	
LONG	1	3002530432	11L 22S 37E NW SW		48255		1620710		2512207
LONG	2	3002530530	11M 22S 37E NW SW SW		17028		697638		1096550
COLE STATE	7	3002533681	16H 22S 37E		9226		753221		20661
BRUNSON ARGO	25	3002533964	10F 22S 37E		3297		354219		443806
BRUNSON	5	3002534083	4O 22S 37E	15021		993269		442517	
RINEWALT	5	3002534582	4 22S 37E N2 NE NW	25052		387446		224595	
COLE STATE	8	3002534856	16G 22S 37E SW SW NE		13181		656213		99678
A B BAKER	7	3002535134	10P 22S 37E NW SE SE	22633		445010		284660	
A B BAKER	8	3002535135	10I 22S 37E SW NE SE		13105		413345		117010
H CORRIGAN	12	3002535136	4 22S 37E SE NE NE	8176	6371	219684	116014	100027	78182
H CORRIGAN	13	3002535137	4 22S 37E SW NW NE	8599	2746	229020	192840	186651	69850
COLE STATE	15	3002536024	16C 22S 37E W2 NE NW		3359		378750		76241
W M RINEWALT	4	3002536106	4E 22S 37E NW SW NW		253		132949		309791
R L BRUNSON TR 2	6	3002536316	3M 22S 37E NE SW SW	7313		150628		7795	
LOU WORTHAM	7	3002536329	11E 22S 37E NE SW NW		17124		176016		55945
LOU WORTHAM	8	3002536330	11D 22S 37E NE NW NW		62872		67331		515208
E A STICHER	4	3002536399	4N 22S 37E NW SE SW	10809		151652		1586	
LOU WORTHAM	9	3002536536	11C 22S 37E NE NE NW		23421		137928		314849
LOU WORTHAM	10	3002536537	11F 22S 37E NE SE NW		15015		128689		113812
GREENWOOD	19	3002536759	9L 22S 37E NW NW SW		3524		528748		120412
GREENWOOD	20	3002536760	9N 22S 37E SE SE SW		3674		523258		127662
GREENWOOD	21	3002536761	9K 22S 37E NE NE SW		3101		513715		443541
R L BRUNSON TR 2	7	3002536925	3K 22S 37E SE NE SW	7885		104208		19974	
GREENWOOD	22	3002537147	9O 22S 37E SE SW SE		3252		437773		143915
GREENWOOD	23	3002537148	9P 22S 37E SE SE SE		8322		521980		257418
GREENWOOD	25	3002537164	9I 22S 37E NE NE SE		2925		343529		774114
GREENWOOD	24	3002537224	9J 22S 37E NE NW SE		1728		272365		1399369
NEW MEXICO S STATE	42	3002537245	2 22S 37E SW NW NW		119284		170251		210617
H CORRIGAN	15	3002537264	4H 22S 37E NW SE NE	12698	3430	317249	124853	568305	246464
NEW MEXICO S STATE	44	3002537324	2J 22S 37E NW NW SE	23078		78940		1207468	
RINEWALT	6	3002537325	4F 22S 37E SW SE NW	10734		265489		243277	
H CORRIGAN	14	3002537326	4 22S 37E NW NE NE	20663		243998		80325	
NEW MEXICO S STATE	43	3002537335	2L 22S 37E NE NW SW	31758	12844	168429	62317	193637	107556
NEW MEXICO S STATE	45	3002537336	2N 22S 37E SW SE SW	1258		31823		257401	
MARK	13	3002537385	3C 22S 37E NW SE NE	16334		172139		62769	
COLE STATE	17	3002537399	16F 22S 37E NE SE NW		3585		300452		75668
COLE STATE	19	3002537400	16G 22S 37E NE SW NE		12065		277267		44301
BRUNSON	7	3002537401	3L 22S 37E SE NW SW		68437		396978		212420
R E COLE	4	3002537489	16N 22S 37E SE SE SW	7150		92042		65191	
E W WALDEN	15	3002537509	15D 22S 37E SE NW NW		2048		87701		8994
BRUNSON	6	3002537539	3L 22S 37E NW NW SW	26025	1543	299113	54035	87459	174795
NEW MEXICO S STATE	46	3002537603	2 22S 37E NE NW NW	6310	5408	38472	41529	26599	48255
NEW MEXICO S STATE	47	3002537607	2E 22S 37E NW SW NW		4504		127832		36536
NEW MEXICO S STATE	48	3002537608	2F 22S 37E NW SE NW		11527		79463		81350
NEW MEXICO S STATE	49	3002537609	2F 22S 37E SE SE NW		13310		14604		217352
H CORRIGAN	16	3002537654	4 22S 37E NW NW NE	9509		274449		76233	
NEW MEXICO S STATE	50	3002537668	2E 22S 37E SE SW NW		33431		21427		152622
NEW MEXICO S STATE	51	3002537669	2K 22S 37E NW NE SW		8411		55961		8132
NEW MEXICO S STATE	52	3002537670	2K 22S 37E SE NE SW	5451		33666		3871	
NEW MEXICO S STATE	53	3002537671	2L 22S 37E SW NW SW		21875		19153		113435
COLE STATE	16	3002537721	16D 22S 37E NE NW NW	7165	1236	164197	247626	102844	11161
COLE STATE	20	3002537722	16H 22S 37E NE SE NE	5339	754	68220	62118	31123	4072
H CORRIGAN	17	3002537747	4G 22S 37E NW SW NE	9757		243032		69748	
RINEWALT	7	3002537750	4 22S 37E SW NE NW	7167		272938		161365	
COLE STATE	18	3002537827	16A 22S 37E NW NE NE		6922		239109		46142

Lease Name	Well Number	10DIGITAPI	Location	Cum Oil (BBL)		Cum Gas (MCF)		Cum Water (BBL)	
				Grayburg	San Andres	Grayburg	San Andres	Grayburg	San Andres
COLE STATE	23	3002537828	16E 22S 37E NE SW NW	3821	2610	116949	171931	9475	82025
HUGH	17	3002537855	14D 22S 37E SW NW NW	2273	922	48771	53073	62705	56929
GREENWOOD	28	3002537871	9J 22S 37E SE NW SE		2652		209301		54747
GREENWOOD	29	3002537872	9K 22S 37E SE NE SW		10577		374171		98864
ELLIOTT B 15	8	3002537889	15H 22S 37E SE SE NE	4798		83752		28472	
BRUNSON	9	3002538005	4O 22S 37E NE SW SE		2036		241630		258713
NEW MEXICO S STATE	54	3002538119	2M 22S 37E NE SW SW		8409		15839		108079
NEW MEXICO S STATE	56	3002538120	2 22S 37E SW NE NW		7425		9357		531482
BRUNSON	8	3002538132	4J 22S 37E NE NW SE		1713		203803		437508
R L BRUNSON 4	1	3002538213	4I 22S 37E NE NE SE	842	6221	15651	65149	1292	12479
LOU WORTHAM 11	1	3002538218	11G 22S 37E SE SW NE	3548		89628		21535	
LOU WORTHAM 11	3	3002538236	11B 22S 37E SE NW NE	6287		54514		18583	
PENROSE	6	3002538260	9E 22S 37E NW SW NW		5292		341822		155803
ROLLON BRUNSON	7	3002538335	10G 22S 37E NE SW NE	7671		190973		32091	
TEXACO E A STICHER	5	3002538340	4L 22S 37E NE NW SW	13702		210263		97672	
EAVES	8	3002538384	10A 22S 37E NW NE NE	6669		131461		12197	
ROLLON BRUNSON	8	3002538385	10G 22S 37E SE SW NE	9247		153373		17420	
EAVES	9	3002538851	10H 22S 37E NE SE NE	2852		58621		7133	
TOTALS				9,308,742	2,395,776	70,857,075	34,101,418	24,609,447	32,095,402
AVERAGES				55,081	27,225	469,252	391,970	162,976	368,913

Proposed Allocations	Oil	Gas	Water
Grayburg	67%	54%	31%
San Andres	33%	46%	69%
TOTAL	100%	100%	100%