

DHC-HOB

Order Number

0394

API Number

30-025-39696

Operator

Apache Corp

County

Lea/Fee

Order Date

7/19/10

Well Name

EW Walden

Number

16

Location

K

UL

15

Sec

225

T (+Dir)

37E

R (+Dir)

Oil %

23%

Gas %

38%

Pool 1

06660

Blindry O&G <OIL>

Pool 2

60240

Tubb O&G <OIL>

Pool 3

19190

Drinkard

Pool 4

62700

Wantz Abo

10%

12%

Comments:

Posted RBDMs 7/21/10 dm

DOWNHOLE COMMINGLE CALCULATIONS:

DHC-40B-0394
API # 30-025-39690

OPERATOR: Apache Corp

PROPERTY NAME: EW Walden

WNULSTR: #16-K-15-225-370

SECTION I:

		ALLOWABLE AMOUNT		
POOL NO. 1	<u>Blinnery O&G <OIL></u>	<u>101</u>	<u>428</u> MCF	<u>4000</u>
POOL NO. 2	<u>Tybb O&G <OIL></u>	<u>142</u>	<u>284</u> MCF	<u>2000</u>
POOL NO. 3	<u>Drinkard</u>	<u>142</u>	<u>852</u> MCF	<u>6000</u>
POOL NO. 4	<u>Wantz Abn</u>	<u>187</u>	<u>1122</u> MCF	<u>6000</u>
POOL TOTALS		<u>578</u>	<u>2686</u>	

SECTION II:

POOL NO. 1	<u>Blinnery O&G <OIL></u>	<u>012</u>	<u>GAS</u>
POOL NO. 2	<u>Tybb O&G <OIL></u>	<u>23%</u>	<u>38%</u>
POOL NO. 3	<u>Drinkard</u>	<u>16%</u>	<u>25%</u>
POOL NO. 4	<u>Wantz Abn</u>	<u>51%</u>	<u>25%</u>
		<u>10% x 578 = 57.8</u>	<u>12%</u>
		<u><58></u>	

OIL

GAS

SECTION III:

10% ÷ 187 = 1870

SECTION IV:

<u>23% x 1870 = 430.1</u>	<u><430></u>
<u>16% x 1870 = 299.2</u>	<u><299></u>
<u>51% x 1870 = 953.1</u>	<u><954></u>
<u>10% x 1870 = 187</u>	

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Ap. #30-025-39696
RECEIVED

Form C-103
June 19, 2008

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-39696
1. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other		5. Indicate Type of Lease ☐ FEE ☒
2. Name of Operator Apache Corporation		6. State Oil & Gas Lease No.
3. Address of Operator 303 Veterans Airpark Lane, Suite 3000 Midland, TX 79705		7. Lease Name or Unit Agreement Name EW Walden
4. Well Location Unit Letter K : 1343 feet from the South line and 1415 feet from the West line Section 15 Township 22S Range 37E NMPM County Lea		8. Well Number 016
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3395' GR		9. OGRID Number 873
		10. Pool name or Wildcat Bline O&G(Oil)/Tubb O&G(Oil)/Dr/Wantz Abo

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☒			
OTHER: ☐		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Apache wants to DHC the Blinebry Oil & Gas (Oil), Tubb Oil & Gas (Oil), Drinkard & Wantz; Abo, per R-11363. Please see supporting data and C-107A, previously submitted.

DHC-HOB-0394

Spud Date:

Rig Release Date

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Reesa Holland TITLE Sr Engr Tech DATE 07/19/2010

Type or print name Reesa Holland E-mail address: Reesa.Holland@apachecorp.com PHONE: 432/818-1062

For State Use Only

APPROVED BY: [Signature] TITLE _____ DATE JUL 19 2010

Conditions of Approval (if any):

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

RECEIVED

JUL 16 2010

HOBBSOCD

State of New Mexico
Geology, Minerals and Natural Resources Department

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

Form C-107A
Revised June 10, 2003

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

APPLICATION FOR DOWNHOLE COMMINGLING

Apache Corporation 6120 S Yale, Suite 1500 Tulsa, OK 74136-4224
Operator Address
E W Walden 016 K 15 22S 37E Lea
Lease Well No. Unit Letter-Section-Township-Range County
OGRID No. 873 Property Code 26467 API No. 30-025-39696 Lease Type: ☐ Federal ☐ State ☒ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Blinebry Oil & Gas (Oil)	Tubb Oil & Gas (Oil)	Drinkard
Pool Code	6660	60240	19190
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	5394'-5780' (Perf)	6010'-6148' (Perf)	6303'-6567' (Perf)
Method of Production (Flowing or Artificial Lift)	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)	N/A	N/A	N/A
Oil Gravity or Gas BTU (Degree API or Gas BTU)	35 degrees	40 degrees	39 degrees
Producing, Shut-In or New Zone	New Zone	New Zone	New Zone
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: 2003-2007 Avg 9 oil Rates: 122 gas 112 water	Date: 2003-2007 Avg 7 oil Rates: 80 gas 10 water	Date: 2003-2007 Avg 20 oil Rates: 80 gas 42 water
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 23 % 38 %	Oil Gas 16 % 25 %	Oil Gas 51 % 25 %

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 Reesa Holland TITLE Sr. Engr Tech DATE 7/14/2010
TYPE OR PRINT NAME Reesa Holland TELEPHONE NO. (432) 818-1062
E-MAIL ADDRESS Reesa.Holland@apachecorp.com

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

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JUL 16 2010
HOBBSOCD

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
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APPLICATION FOR DOWNHOLE COMMINGLING

Apache Corporation 6120 S Yale, Suite 1500 Tulsa, OK 74136-4224
Operator Address
E W Walden 016 K 15 22S 37E Lea
Lease Well No. Unit Letter-Section-Township-Range County
OGRID No. 873 Property Code 26467 API No. 30-025-39696 Lease Type: ☐ Federal ☐ State ☒ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Wantz; Abo		
Pool Code	62700	.	
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	6686'-7216' (Perf)		
Method of Production (Flowing or 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)	N/A		
Oil Gravity or Gas BTU (Degree API or Gas BTU)	41 degrees		
Producing, Shut-In or New Zone	New Zone		
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: 2003-2007 Avg 4 oil Rates: 38 gas 36 water	Date: Rates:	Date: Rates:
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 10 % 12 %	Oil Gas % %	Oil Gas % %

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.
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Any additional statements, data or documents required to support commingling.

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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 Reesa Holland TITLE Sr. Engr Tech DATE 7/14/2010
TYPE OR PRINT NAME Reesa Holland TELEPHONE NO. (432) 818-1062
E-MAIL ADDRESS Reesa.Holland@apachecorp.com

RECEIVED

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

JUL 19 2010

Form C-102

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION HOBBS
11885 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410

DISTRICT IV
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-39696	Pool Code 6660	Pool Name BLUEBRY OIL + GAS (OIL)
Property Code 26467	Property Name EW WALDEN	Well Number 16
OGRID No. 873	Operator Name APACHE CORPORATION	Elevation 3393'

Surface Location

UL or lot No K	Section 15	Township 22-S	Range 37-E	Lot Idn	Feet from the 1343	North/South line SOUTH	Feet from the 1415	East/West line WEST	County LEA
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Bottom Hole Location If Different From Surface

UL or lot No M	Section 15	Township 22-S	Range 37-E	Lot Idn	Feet from the 1308	North/South line SOUTH	Feet from the 1303	East/West line WEST	County LEA
Dedicated Acres 40	Joint or Infill	Consolidation Code	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

	OPERATOR CERTIFICATION I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Reesa Holland</i> 7/19/10 Signature Date REESEA HOLLAND Printed Name
GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=506940.7 N X=863928.3 E LAT = 32°38'18.1\" N LONG = 103°15'43.9\" W LAT = 32°23'17.45\" N LONG = 103°09'15.81\" W BOTTOM HOLE LOCATION Y=506904.0 N X=863816.8 E	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. <i>Ronald J. Eidson</i> Date Surveyed Signature & Seal of Professional Surveyor RONALD J. EIDSON Certificate No. 12841 3239

RECEIVED

JUL 19 2010 Form C-102

Revised October 12, 2005
 Hobbs District Office
 State Lease - 4 Copies
 Fee Lease - 3 Copies

DISTRICT I
 1625 N FRENCH DR., HOBBS, NM 88240

DISTRICT II
 1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III
 1000 RIO BRAZOS RD., AZTEC, NM 87410

DISTRICT IV
 11885 S ST FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

11885 SOUTH ST. FRANCIS DR.
 Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-39696	Pool Code 60240	Pool Name TUBB OIL & GAS (OIL)
Property Code 26467	Property Name EW WALDEN	Well Number 16
OGRID No. 873	Operator Name APACHE CORPORATION	Elevation 3393'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	15	22-S	37-E		1343	SOUTH	1415	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
M	15	22-S	37-E		1308	SOUTH	1303	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order 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

GRID AZ.=251°45'09" HORIZ. DIST.=117.4'	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=506940 7 N X=863928 3 E LAT.=32.388181° N LONG.=103.154393° W LAT.=32°23'17.45"N LONG.=103°09'15.81"W BOTTOM HOLE LOCATION Y=506904.0 N X=863816.8 E	OPERATOR CERTIFICATION I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Reesa Holland</i> 7/19/10 Signature Date REESEA HOLLAND Printed Name
	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 Surveyed: 5/12/2010 DSS Signature & Seal of Professional Surveyor: <i>Ronald J. Eidson</i> 3239	
	Certificate No. GARY G. EIDSON 12041 RONALD J. EIDSON 3239	

RECEIVED

JUL 19 2010

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised October 1, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION
11885 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410

DISTRICT IV
11885 S ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-39696	Pool Code 19190	Pool Name DRINKARD
Property Code 26467	Property Name EW WALDEN	Well Number 16
OGRID No 873	Operator Name APACHE CORPORATION	Elevation 3393'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	15	22-S	37-E		1343	SOUTH	1415	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
M	15	22-S	37-E		1308	SOUTH	1303	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No
40			

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		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. <i>Ronald J. Eidson</i> Signature & Seal of Professional Surveyor DATE: MAY 5, 2010 DSS Certificate No. GARY C. EIDSON 12641 RONALD J. EIDSON 3239

RECEIVED

JUL 19 2010

Form C-102

HOBBSDO

Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT I
1625 N FRENCH DR., HOBBS, NM 88240

DISTRICT II
1301 W GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410

DISTRICT IV
11885 S. ST FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

11885 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-39696	Pool Code 62700	Pool Name WANTZ; ABO
Property Code 26467	Property Name EW WALDEN	Well Number 16
OGRID No. 873	Operator Name APACHE CORPORATION	Elevation 3393'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	15	22-S	37-E		1343	SOUTH	1415	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
M	15	22-S	37-E		1308	SOUTH	1303	WEST	LEA

Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.
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		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 Surveyed: MAY 5, 2010 DSS Signature & Seal of Professional Surveyor <i>Ronald J. Eidson</i> 06/22/2010
		Certificate No. GARY G. EIDSON 12641 RONALD J. EIDSON 3239

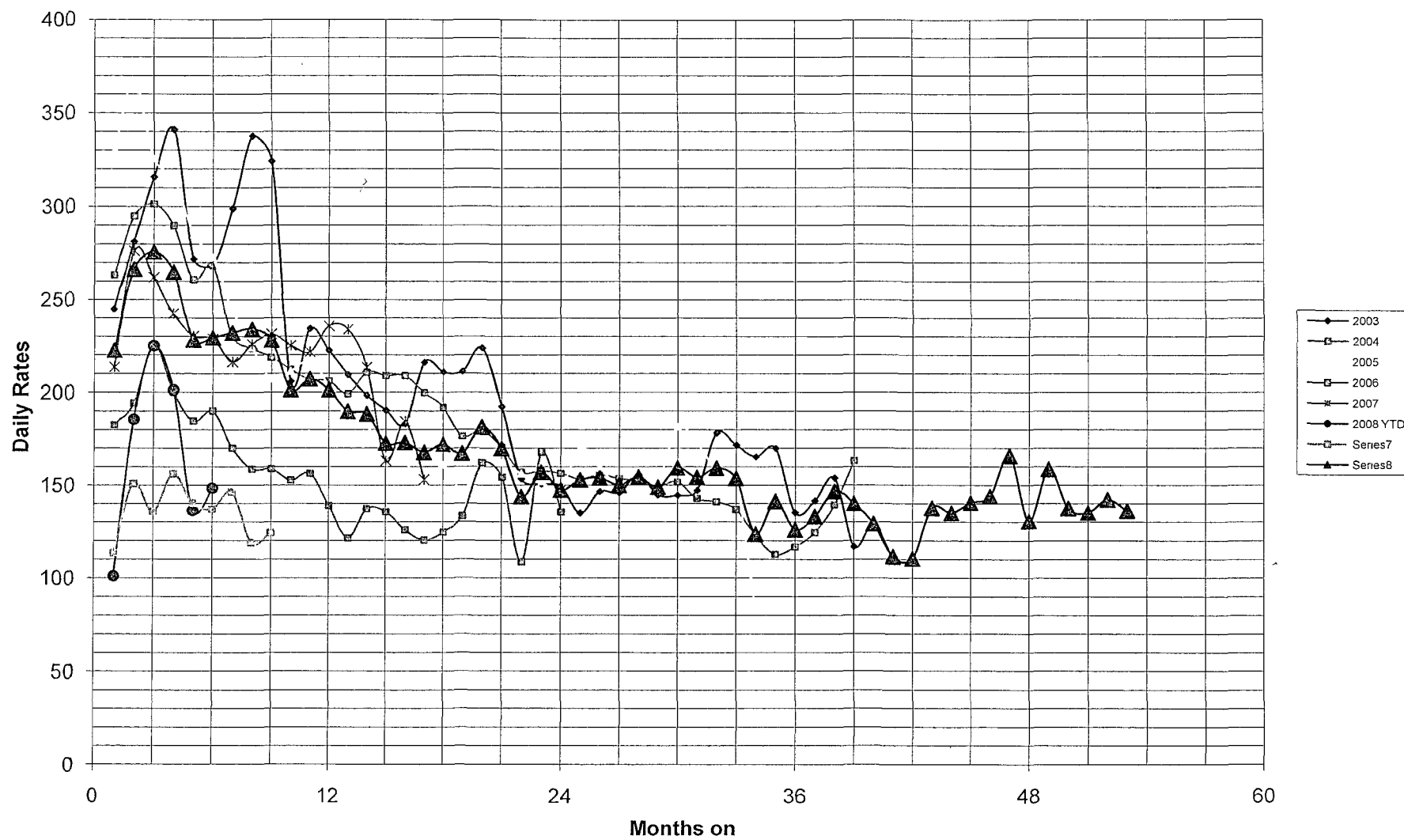
Lease Name	Well Number	10DIGITAPI	Location	Blrleby	Tubb	Drnkard	Abo	Blrleby	Tubb	Drnkard	Abo	Blrleby	Tubb	Drnkard	Abo	Blrleby	Tubb	Drnkard	Abo
J L GREENWOOD	1	3002510122	9P 22S 37E			130684				135691									72
J L GREENWOOD	8	3002510129	9K 22S 37E C NE SW	39424		2404		211776		661320				50926					5729
J L GREENWOOD	9	3002510130	9J 22S 37E	33861	8117	2363		1017901	146831	749656				23056	6388				5586
J L GREENWOOD	10	3002510131	9P 22S 37E NW SE SE	14523	3902	2623		283535	66850	775686				36182	9331				2433
J L GREENWOOD	11	3002510132	9I 22S 37E	24914		166941	3240	4259346		581267	322174	3919		3087					3152
J L GREENWOOD	12	3002510133	9D 22S 37E	22844			2008	489505			41925	18338		1300					
J L GREENWOOD	13	3002510134	9L 22S 37E	9838	17630	81095	6178	3096667	583821		391639	10384	1262						3979
J L GREENWOOD	15	3002510136	9M 22S 37E	157413		70579		870131		608114		604026		2050					
BRUNSON ARGO	1	3002510137	9B 22S 37E	56090	563	69769		2200449	5020			18903							
BRUNSON ARGO	9	3002510141	9B 22S 37E			7421				889634				2554					
BRUNSON ARGO	10	3002510142	9G 22S 37E	11513		17003		387045		1802812		51130		5774					
BRUNSON ARGO	12	3002510144	9H 22S 37E NE SE NE	4512		115752		216155		459060		167649		1297					
BRUNSON ARGO	13	3002510145	9A 22S 37E	32821	18777	110336		2475690	951158	1128475		156589	1902	7998					
PENROSE	3	3002510147	9E 22S 37E SW NW			13831				640884				29505					
PENROSE	4	3002510148	9E 22S 37E C SW NW			186984				3548040				12594					
ELLIOTT B 9	5	3002510149	9C 22S 37E		4410				1572996			2557							
PENROSE FEDERAL	1	3002510150	9F 22S 37E	25822		15262		747694		624865		17367		2457					
ELLIOTT B 9	4	3002510151	9C 22S 37E			31710				2702630				43016					
ELLIOTT B 9	5	3002510152	9C 22S 37E	76575	3421			2170803	919994			67754	1154						
ELLIOTT B 9	3	3002510154	9D 22S 37E	14280		40375		715459		2738015		21320		2464					
A B BAKER	3	3002510157	10I 22S 37E	15559	16596	55704		1798887	1681333	2900208				351					
A B BAKER	4	3002510158	10P 22S 37E NW SE SE	3381	732	123788		2397433	12657	1905065		4028	966	16554					
ROLLON BRUNSON	4	3002510161	10G 22S 37E	33428		111270		3127001		2445987		15341		1111					
ROLLON BRUNSON	6	3002510162	10B 22S 37E NW NW NE	2391	235	108920				2299969		3132	334	1508					
EAVES	3	3002510165	10A 22S 37E		10593		6603			322678	1112171	9392		4266					
BAKER B	7	3002510166	10J 22S 37E		10552	183089				2376693		3067923		5765					
EAVES	5	3002510168	10H 22S 37E	27824	39035	122485		1748325	3365910	2082413		44188	413	1724					
EAVES	6	3002510169	10A 22S 37E	38906		92408		6615467		3442136		24313		2573					
BRUNSON ARGO	6	3002510174	10E 22S 37E	19524	17130	32368		5873710	1040650	690865		14315		2327					
BRUNSON ARGO	15	3002510176	10F 22S 37E		9803	135284			1352590	3944364			9733	43941					
BRUNSON ARGO	17	3002510178	10D 22S 37E	5340	1683	113841		365962	127311	1609039		7987	5963	7691					
BRUNSON ARGO	18	3002510179	10C 22S 37E	13196		110823		1067310		2608725		19575		5940					
BAKER B	5	3002510186	10N 22S 37E			1399				45771				4087					
BAKER B	6	3002510187	10M 22S 37E			176108				2767212				33476					
BAKER B	8	3002510188	10K 22S 37E	1112		183374		1042056		1699697		737		9904					
BAKER B	9	3002510189	10L 22S 37E			184996				1557657				4912					
BAKER B	11	3002510191	10O 22S 37E			221410				6568757				31549					
BAKER B	13	3002510193	10L 22S 37E	3798	2517	2006		489749	175441	181811		6751	2614	9118					
BAKER B	14	3002510194	10M 22S 37E	4412				146227				71612							
BAKER B	15	3002510195	10J 22S 37E	65789	41987			11123071	3395678			15483							
S E LONG	2	3002510202	11J 22S 37E			12418				6570813				11469					
S E LONG	3	3002510203	11O 22S 37E SW SE			8165	19965			1541242	235471			4215					19896
S E LONG	5	3002510206	11Q 22S 37E	22965	846	94769		2105830	26958	425264		20885	972	1003					
S E LONG	7	3002510208	11I 22S 37E S2 NE SE	10530	4637	73226		1230973	91138	2594398		20551	1553	5667					
S E LONG	8	3002510209	11J 22S 37E	24773	32724	7770		9368342	4659886			15428	1573						
LOU WORTHAN	4	3002510213	11G 22S 37E	132179				1416372				736							
LOU WORTHAN	5	3002510214	11C 22S 37E	48288				3200312				256							
LOU WORTHAN	11	3002510215	11F 22S 37E		25244				5121640				916						
LOU WORTHAN	9	3002510218	11E 22S 37E NW SW NW	50862	25966	16876		13698286	4287214			1122	240						
LOU WORTHAN	10	3002510219	11D 22S 37E		35479	77131			1199444	3462390			2313	1122					
LOU WORTHAN	11	3002510220	11F 22S 37E NE SE NW	3961	31350	44374		341828	4711694	1951018		2255	2732	8296					
LOU WORTHAN	12	3002510221	11H 22S 37E	63301		28872		14379104		279248		256							
THOMAS LONG	1	3002510222	11N 22S 37E SE NW			110318				4036657				7355					
THOMAS LONG	2	3002510223	11M 22S 37E			99379				4573572				3253					
THOMAS LONG	3	3002510224	11K 22S 37E			101291				4213854				3107					
THOMAS LONG	4	3002510225	11L 22S 37E			98408				3787654				3506					
THOMAS LONG	5	3002510230	11N 22S 37E	35280	24716			8230253	5756387			7964	8427						
HUGH	1	3002510257	14D 22S 37E	8412		8950	1036	1186198		1250674	766159	3108		1542	2072				
HUGH	3	3002510259	14B 22S 37E	37853		181611		582693		2329786		44381		6940					
HUGH	4	3002510260	14A 22S 37E	35342	22018	173438		1106548	3768254	774241		41572	794	1033					
HUGH	5	3002510261	14F 22S 37E	17		99430	95436	367208		1258098	1947772	1245		5048	25447				
HUGH	6	3002510262	14H 22S 37E W2 SE NE	35053	8719	78026		6416865	363963	870550		8429	15810	1038					
PARKS	2	3002510263	14M 22S 37E	18521		216327		439874		520696		23526		22345					
HUGH	7	3002510264	14C 22S 37E	94661	36749	32591		7877991	3031889			12743	862						
PARKS A	3	3002510266	14P 22S 37E SE SE	26816		88513	15669	1218542		1117401	267141	7385		4995	6079				
PARKS A	4	3002510267	14I 22S 37E	99	74571	96400		788	3481197	2189517		10		5615					
PARKS A	5	3002510268	14O 22S 37E	88657		73247		7995925		562976		10531		40186					
PARKS	6	3002510269	14L 22S 37E NW SW	46951	43579	4989		4778114	4010495	1368881				6009					
E W WALDEN	2	3002510270	15K 22S 37E	35038		77096		1803133		605082		58764		400					
E W WALDEN	3	3002510271	15N 22S 37E NE SE SW		4181				115564			6153							
E W WALDEN	4	3002510272	15L 22S 37E	23749		22935		206823		1864259		20321		203					
E W WALDEN	5	3002510273	15L 22S 37E		45409	82667			920699			11291							
E W WALDEN	6	3002510274	15M 22S 37E	34075	1272	131901		134929	27868	545864		116348	0	1875					
E W WALDEN	7	3002510275	15N 22S 37E	48895		105280		2900603		818229		49786	0	2295					
ELLIOTT B 15	1	3002510277	15G 22S 37E			1295		316677	110061	170016				4424					
ELLIOTT B 15	2	3002510279	15I 22S 37E			30827				846982				32066					
ELLIOTT B 15	3	3002510281	15I 22S 37E		51362	60742			2204427	1438688		4221		8045					
ELLIOTT A 15	4	3002510282	15O 22S 37E			146876				1484407				12678					
ELLIOTT A 15	5	3002510283	15P 22S 37E		16656				824891			9232							
ELLIOTT A 15	6	3002510284	15P 22S 37E	33246		114608		5370916		1331396		4954		24891				</	

Lease Name	Well Number	100DIGITAP	Location	Cum Oil (BBL)				Cum Gas (MCF)				Cum Water (BBL)			
				Blinberry	Tubb	Drnkard	Abo	Blinberry	Tubb	Drnkard	Abo	Blinberry	Tubb	Drnkard	Abo
E M ELLIOTT FEDERAL	4	3002510389	22C 22S 37E			170152				1214186					27393
E M ELLIOTT	5	3002510400	22D 22S 37E	17933			500	180081		268421	12945	56339			
HSOG	1	3002510402	22J 22S 37E	5961		18225		2882685		238303					4239
W B FERREL	3	3002510403	22J 22S 37E			57577				352353					296
WILL CARY	4	3002510409	22E 22S 37E			34469				38063					7335
WILL CARY	5	3002510410	22F 22S 37E	5055		4427		23223		52374	16816				8453
WILL CARY	7	3002510412	22F 22S 37E	8625		43188		38768		29733	76237				1083
WILL CARY	8	3002510413	22L 22S 37E			45220				1023279					42753
J V BAKER	9	3002510415	22N 22S 37E NE SE SW	3319	3817	62906		35432	17944	456309		6307	7744		23379
EUGENE WOOD	5	3002510420	22B 22S 37E	24086				853868				75057			
PENROSE SAND UT	1	3002510423	23M 22S 37E			55119									
O I BOYD	2	3002510424	23O 22S 37E	13972		184787		125746		228608		19703			1692
O I BOYD	3	3002510425	23K 22S 37E	17540		168163		4577269		242976		6354			2363
BOYD	1	3002510426	23G 22S 37E			112927				1296887					3020
BOYD	2	3002510427	23H 22S 37E	52641				8389538				4417			
BOYD	2Y	3002510428	23H 22S 37E	31247		106713		1590406		1767314		4202			4987
BOYD	3	3002510429	23A 22S 37E C NE NE	33814	272	151337		1505339	12893	1191794		5018	72		25251
BOYD	4	3002510430	23B 22S 37E			2157									
BOYD	5	3002510431	23B 22S 37E		24357	75822			2926717	1831241			1897		6231
BOYD	2	3002510434	23D 22S 37E NW NW	7846	2524	31544		2663032	413416			4402	111		
OLLIE J BOYD	4	3002510436	23F 22S 37E SE NW	12751		70043		7014837		81949		956			
OLLIE J BOYD	5	3002510437	23E 22S 37E			51354				262517					1633
BOYD	1	3002510438	23J 22S 37E			118812				1264158					
LEE	1	3002510439	23I 22S 37E NE SE	85259	333	183687		6228878	5361	1675487		15527	154		1999
S E LONG	6	3002511373	11P 22S 37E	21561		84273		890880		2558088		63496			15915
A B BAKER	3	3002512574	10I 22S 37E		16400				1644934				17		
OLLIE I BOYD	1	3002521444	23N 22S 37E			30551				1338703					150
HUGH	8	3002521625	14E 22S 37E SW SW NW	3289		39316		257756		3197566		5380			11145
R E COLE NCT A	8	3002522109	16K 22S 37E	7423		15315		115866		456460		9394			21367
R E COLE NCT A	9	3002522168	16N 22S 37E	32799		27573		362609		451063		65238			33561
LEE	2	3002522253	23P 22S 37E	36835		177871		741482		457370		8358			352192
R E COLE NCT A	11	3002522382	16J 22S 37E C NW SE	28491		22069		444398		827866		9858			12604
O I BOYD	4	3002522383	23O 22S 37E			18648				696987					51225
BOYD	2	3002522508	23J 22S 37E			6307				344796					9810
R E COLE NCT A	13	3002523044	16O 22S 37E			12921				426856					12725
KAROLIS	1	3002523205	23L 22S 37E	5538		21553		345466		659161		12717			9284
WALDEN	1	3002523581	21A 22S 37E			51702				1477527					155442
POLARIS PARKS	7	3002524070	14K 22S 37E			7176				2357695					3038
PARKS A	8	3002524210	14J 22S 37E NW SE	3790		6874		119664		1413806		193			3936
PARKS	9	3002524211	14N 22S 37E SE SW	35256		5645		1194259		1300560		33759			807
COSSATOT F	1	3002524279	23C 22S 37E			16610				2068907					4115
COSSATOT F	3	3002524449	23D 22S 37E			16041				2527029					9595
COSSATOT F	4	3002524532	23F 22S 37E			10497				2042238					2265
J L GREENWOOD	17	3002524604	9P 22S 37E			5936				960893					8185
HUGH	9	3002524637	14G 22S 37E	47942		7491		1289102		1019227		54790			990
R E COLE NCT A	15	3002524763	16L 22S 37E E2 NW SW	19874		17296		301315		445926		995822			22006
COSSATOT F	5	3002524913	23E 22S 37E			17596				2021889					8267
LOU WORTHAN	13	3002524943	11C 22S 37E			2561	6884			2396548	1745883				3390
HUGH	10	3002525003	14C 22S 37E SE NE NW		37180	14302	9759		3085062	3005232	398766		1081	10298	8401
THOMAS LONG A	1	3002525052	11K 22S 37E	33332				1257059				21991			
HUGH	11	3002525069	14B 22S 37E N2 NW NE		111		34896		4042		1147824		1798		11597
THOMAS LONG A	2	3002525089	11L 22S 37E	28463				1060059				20162			
COSSATOT M	2	3002525095	11M 22S 37E NE SW SW				802				338527				1760
LOU WORTHAN	14	3002525255	11A 22S 37E NE NE	19518	319	5812		901563	530500	862529		12636	100		1219
LOU WORTHAN	15	3002525304	11G 22S 37E		15227	2654	4056		557935	1624267	3109790		1342	4370	4297
R E COLE NCT A	16	3002525305	16G 22S 37E	33555		11281		380887		493185		58986			8585
BAKER B	16	3002525312	10N 22S 37E SE SW	586	592	23		550847	75701	671678		1638	12325		72
S E LONG	8	3002525322	11J 22S 37E NW SE		33236		1978		5573234		44905		1858		2574
R E COLE NCT A	17	3002525356	16P 22S 37E SW SE SE	13467		6399		179631		83673		67430			2838
LOU WORTHAN	16	3002525383	11B 22S 37E		59595				637563			24329			
LOU WORTHAN	17	3002525405	11E 22S 37E			2964	6876			466003	2503347			4749	6129
MANDA	1	3002525438	21N 22S 37E	15052		46612		60254		143728		91918			116851
LOU WORTHAN	18	3002525568	11H 22S 37E NW SE NE		121828		1661		1157366		217932		3396		920
R E COLE NCT A	18	3002525689	16M 22S 37E NE SW SW	9082		29898		48350		559547		30125			32145
HUGH	12	3002525739	14H 22S 37E SE SE NE				24382				402700				29717
HUGH	13	3002525906	14A 22S 37E SE NE NE	22810			18134		4490260		458239		992		15017
HUGH	14	3002526122	14G 22S 37E				16119				349548				5432
EAVES	7	3002526212	10H 22S 37E SE SE NE				1407				200484				5618
R E COLE NCT A	21	3002526474	16B 22S 37E			25175				547278					26529
R E COLE NCT A	22	3002526784	16A 22S 37E	36933				835331				50563			
HUGH	15	3002526829	14E 22S 37E		9639			17142	605462				5742		31199
OLLIE J BOYD	6	3002528449	23H 22S 37E N2 SE NE				16148								9283
PARKS	10	3002528476	14K 22S 37E N2 NE SW	15837			28982	618159		269587		4323			7314
PARKS A	12	3002528678	14I 22S 37E NE SE			29281		5496	1408388		92344	13309			
LOU WORTHAN	19	3002529469	11D 22S 37E NW NW	14608			2015	1116235		480578	3118				3155
LOU WORTHAN	20	3002530285	11F 22S 37E SE NW				1397				1444378				4406
J L GREENWOOD	16	3002530455	9N 22S 37E SE SW	76890				1085560				35391			
PENROSE FEDERAL	5	3002532510	9E 22S 37E SW NW	35805				1361757				14580			
OLLIE J BOYD	7	3002532757	23C 22S 37E NE NW	26765				534583				24541			
BAKER B	17	3002533117	10N 22S 37E			8982	10350			380251	335168			32103	30230
BAKER B	18	3002533376	10K 22S 37E				7361				228612				3887
LOU WORTHAN	21	3002533426	11B 22S 37E	32197			82	3332332			612598	2072			
A B BAKER	5	3002533528	10P 22S 37E				6166				1028409				5612
OLLIE J BOYD	8	3002533546	23E 22S 37E NW SW NW	4466				67073				4698			
A B BAKER	6	3002533794	10I 22S 37E	2691			1514	185843			90087	19800			9092
BRUNSON ARGO	20	3002533810	9A 22S 37E			8113	39295			156058	310457			12223	43386
BRUNSON ARGO	21	3002533824	10F 22S 37E	6755			716	788041			26557	11111			2221
BRUNSON ARGO	22	3002533825	10C 22S 37E SW NE NW			4078	6160			124217	582871			789	36895
BRUNSON ARGO	23	3002533826	10E 22S 37E			4388	29483			332309	670621			2192	42851
BRUNSON ARGO	24	3002533827	9H 22S 37E				1414				7458				1162
BRUNSON ARGO	25	3002533994	10D 22S 37E S2 NW NW			4694	16091			64050	375456			850	38995
THOMAS LONG A	3	3002534035	11M 22S 37E	24436				1091601				20557			
PARKS	13	3002534079	14J 22S 37E	32115				879184				34391			
BOYD	8	3002534084	23G 22S 37E	11121											

Lease Name	Well Number	10DIGITAP	Location	Cum Oil (BBL)				Cum Gas (MCF)				Cum Water (BBL)			
				Blinbry	Tubb	Drinkard	Abo	Blinbry	Tubb	Drinkard	Abo	Blinbry	Tubb	Drinkard	Abo
THOMAS LONG	6	3002536055	11N 22S 37E NE SE SW		2175			361239				1263			
SANTA RITA	3	3002537387	22N 22S 37E NW SE SW			12015				216309				17523	
E W WALDEN	9	3002538371	15K 22S 37E SE NE SW	2859	3552	1421		42731	52449	36216		7802	5565	4850	
EUGENE WOOD	12	3002538812	22B 22S 37E SE NW NE	3389	2441	1057		44193	30016	7959		8455	523	4902	
EUGENE WOOD	11	3002538824	22G 22S 37E SE SW NE	1205	1063	2348		22009	17455	11640		8517	1196	3736	
E W WALDEN	10	3002538876	15N 22S 37E SE SE SW	3490	2212	2628		40862	43884	11451		28273	286	1382	
TOTALS				3,188,614	1,255,017	9,446,975	496,110	238,932,396	90,501,800	188,629,510	25,655,700	4,331,445	217,082	2,017,729	473,241
AVERAGES				27,727	19,610	62,151	12,100	2,059,762	1,392,335	1,328,377	625,749	39,022	3,679	14,821	12,454

Proposed Allocations	Oil	Gas	Water
Blinbry	23%	38%	56%
Tubb	16%	25%	5%
Drinkard	51%	25%	21%
Abo	10%	12%	18%
TOTAL	100%	100%	100%

B-T-D Production Normalization Apache Drilling Programs 2003 - 2007



LOG PROBABILITY CHART

New Mexico B-T-D Play

