

Order Number

DHC
40B-D334

API Number

30-025-30342

Operator

Apache Corp

County

Lea / Pat

Order Date

8/04/09

Well Name

DC Hardy

Number

10

Location

20

37e

UL

Sec

T (+Dir)

R (+Dir)

Gas %

40%

Oil %

4%

Pool 1

60240

Tebb DG <Oil>

Pool 2

19190

Orinkard

Pool 3

Pool 4

Comments

Posted 9/8/09 dm

DOWNHOLE COMMINGLE CALCULATIONS:

DHC-HOB-0334
30-025-39342

OPERATOR: Apache Corp

PROPERTY NAME: DC Hardy

WNULSTR: #10-P, 20-219-370

SECTION I: <60240>
POOL NO. 1 Tubb O&G <Oil>

ALLOWABLE AMOUNT
142 248 MCF 2000

POOL NO. 2 <19190>
Drinkard

142 852 MCF 6000

POOL NO. 3 _____

_____ MCF

POOL NO. 4 _____

_____ MCF

POOL TOTALS 284 1100

SECTION II:
POOL NO. 1 Tubb O&G <Oil>

Oil

4%

POOL NO. 2 Drinkard

96% x 284 = 272.64
<273>

POOL NO. 3 _____

POOL NO. 4 _____

GAS
40%
60%

OIL

GAS

SECTION III:
96% ÷ 142 = 147.92 <148>

SECTION IV:
4% x 148 = 59.2 <59>
96% x 148 = 142.08 <142>

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103

June 19, 2008

RECEIVED

AUG 03 2009

HOBBSOCD

CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-025-39342

5. Indicate Type of Lease

STATE ☐FEE ☒

6. State Oil & Gas Lease No.

NA

7. Lease Name or Unit Agreement Name

DC Hardy

8. Well Number 010

9. OGRID Number

873

10. Pool name or Wildcat

Tubb O&G (Oil) & Drinkard

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 PLRMIT" (FORM C-101) FOR SUCH PROPOSALS)

1 Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other

2 Name of Operator

Apache Corporation

3 Address of Operator

6120 S Yale Ave, Suite 1500, Tulsa, OK 74136-4224

4. Well Location

Unit Letter P 435 feet from the South line and 385 feet from the East line

Section 20 Township 21S Range 37E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc)

3485'

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐ CHANGE PLANS ☐PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐COMMENCE DRILLING OPNS ☐ P AND A ☐CASING/CEMENT JOB ☐

OTHER: Request DHC Tubb/Drinkard

☒

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.

Pursuant to Division Order R-11363:

Pool Names:

Tubb Oil & Gas (Oil) 60240

Drinkard 19190

Proposed Perforations:

Tubb 6,132' - 6,303'

Drinkard 6,570' - 6,720'

The allocation method will be as follows based on offset production (See attached application for exception to Rule 303-C)

	OIL	GAS	WATER
Tubb	4%	40%	3%
Drinkard	96%	60%	97%

Downhole commingling will not reduce the value of these pools
Ownership is the same for each of these pools.

DHC - HOB - 0334

Spud Date: 07/16/2009

Rig Release Date: 07/28/2009

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: 07/30/2009

Type or print name Sophie Mackay

E-mail address sophie.mackay@apachecorp.com

PHONE: (918) 491-4864

For State Use Only

APPROVED BY:

[Signature]

TITLE

PETROLEUM ENGINEER

DATE

AUG 04 2009

Conditions of Approval (if any):

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 87412

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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AUG 03 2009
HOBBS OGD

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-39342	Pool Code 60240	Pool Name Tubb Oil & Gas (Oil)
Property Code 16814	Property Name DC HARDY	Well Number 10
OGRID No. 873	Operator Name APACHE CORPORATION	Elevation 3485'

Surface Location

UL or lot No. P	Section 20	Township 21-S	Range 37-E	Lot Idn	Feet from the 435	North/South line SOUTH	Feet from the 385	East/West line EAST	County LEA
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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
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Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.
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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

GEODETIC COORDINATES NAD 27 NME Y=532344.2 N X=856573.6 E LAT.=32.458219° N LONG.=103 177324° W LAT =32°27'29 59" N LONG =103°10'38.37" W				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. <u>S. Mackay</u> 7/30/2009 Signature Date <u>Sophie Mackay</u> 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: AUGUST 14, 2007 SIGNATURE: <u>Ronald J. Eidson</u> Seal of Professional Surveyor 3239 Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239
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DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

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1000 Rio Brazos Rd., Aztec, NM 87410

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State of New Mexico

Energy, Minerals and Natural Resources Department

RECEIVED

OIL CONSERVATION DIVISION
AUG 03 2007
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-39342	Pool Code 19190	Pool Name Drinkard
Property Code 16814	Property Name DC HARDY	Well Number 10
OGRID No. 873	Operator Name APACHE CORPORATION	Elevation 3485'

Surface Location

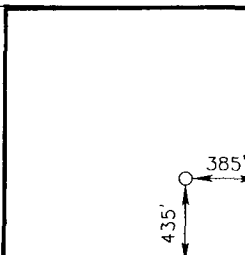
UL or lot No. P	Section 20	Township 21-S	Range 37-E	Lot Idn	Feet from the 435	North/South line SOUTH	Feet from the 385	East/West line EAST	County LEA
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Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.
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GEODETIC COORDINATES NAD 27 NME Y=532344.2 N X=856573.6 E LAT.=32.458219° N LONG.=103.177324° W LAT. =32°27'29.59" N LONG =103°10'38.37" W 	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>S. Mackay</i> 7/30/2009 Signature Date Sophie Mackay 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. AUGUST 14, 2007 Date Surveyed Signature & Seal of Professional Surveyor Professional 3289 8/28/07 Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239
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July 30, 2009

Mr. Paul Kautz
New Mexico Oil Conservation Division
1625 N French Drive
Hobbs, New Mexico 88240

RECEIVED

AUG 03 2009

HOBBSOCD

**RE: Application for Exception to Rule 303-C – Downhole Commingling
D C Hardy #10
Unit P, Section 20, T-21-S, R-37-E
Tubb Oil & Gas (Oil) and Drinkard Pools
Lea County, New Mexico**

Dear Mr. Kautz,

Enclosed please find an administrative application form (C-103) and attachments for downhole commingling the captioned well. The ownerships (WI, NRI and ORRI) of these pools are identical in this wellbore. The fluids from each of these pools are compatible as seen in other similar commingles in the area. Combining these fluids will not result in any damage to these pools. Commingling will improve the efficiency of present and future recovery operations. Cross flow will not be a problem due to having a production lift system capable of keeping the well pumped off thereby maximizing production. This commingling will not reduce the value of the total remaining production.

The allocation method used for this well was determined by analyzing the cumulative oil, gas and water production in a nine section area of review surrounding this well. Supporting documentation is shown on the attached spreadsheet. Production for active and inactive wells were grouped by pool in the area of review. The totals for each phase were then divided by the number of wells associated with this pool yielding an average. This average was used to determine the percentage allocation.

The main reason for using this method is based on economics and minimizing reservoir damage. Past completion practices had all three zones perforated and fracture stimulated during one full week. Each zone was isolated by a retrievable bridge plug to allow for production testing of each zone for allocation purposes. This testing period lasted as long as one month before a stabilized rate was observed thus allowing the next zone to be brought on and tested. During this time period the completion fluids used were still confined to the other reservoirs causing gel damage. It is a common practice to get these fluids out of the wellbore as soon as possible to help maximize productivity. On a cost basis it is more expensive to have a completion rig move in and out multiple times to bring on each new zone. Several other factors such as weather, other new completions and regulatory well work may interfere with these new wells.

The area of review used encompasses what has been accepted as a good statistical representation for allocation purposes. This method has been used multiple times for up to five completions in the same wellbore. The NMOCD in Santa Fe and the district office in Aztec along with the BLM office in Farmington have approved this method. By using this allocation method all three zones will be brought online in a more effective and efficient manner. This will in turn generate a higher productive rate and quicker revenue streams not only for the operator but for the State of New Mexico too.

If you need additional information or have any questions, please give me a call at (918) 491-4842.

Sincerely,

A handwritten signature in black ink that reads "Darrin Steed". The signature is fluid and cursive, with the first name "Darrin" and last name "Steed" clearly distinguishable.

Darrin Steed, P.E.
Sr Production Engineer

Enclosures

Lease Name	Well #	API	Location	Cum Oil (BBL)		Cum Gas (MCF)		Cum Oil (BBL)	
			Sec, Twp, Rng	Tubb	Drinkard	Tubb	Drinkard	Tubb	Drinkard
STATE DA	1	3002506615	16L 21S 37E	0	193533	0	417151	0	6013
STATE DA	2	3002506616	16K 21S 37E	0	196029	0	1534877	0	3542
STATE DA	5	3002506617	16I 21S 37E	0	0	0	0	0	0
STATE DA	3	3002506618	16J 21S 37E	33803	137311	3592486	1776192	0	968
STATE DA	4	3002506619	16I 21S 37E	0	159005	0	2309092	0	573
HARRY LEONARD NCT E	1	3002506620	16G 21S 37E	0	38352	0	729087	0	403
HARRY LEONARD NCT E	2	3002506621	16H 21S 37E	0	158744	0	1409874	0	3476
HARRY LEONARD NCT E	56	3002506621	16H 21S 37E	0	0	0	0	0	0
HARRY LEONARD NCT E	3	3002506622	16B 21S 37E	0	126435	0	2447814	0	8141
HARRY LEONARD NCT E	4	3002506623	16A 21S 37E	19698	60780	6447223	0	788	0
HARRY LEONARD NCT E	5	3002506624	16H 21S 37E	0	25103	0	1173015	0	71609
STATE C TR 12	3	3002506625	16E 21S 37E	0	190002	0	599737	0	5774
STATE C TRACT 12	4	3002506626	16F 21S 37E	18900	212061	434872	2310967	19325	17524
STATE C TR 12	6Y	3002506627	16C 21S 37E	24046	0	4884987	0	2329	0
STATE C TRACT 12	6Y	3002506628	16C 21S 37E	731	191900	100036	1468633	1482	8898
STATE C TRACT 12	7	3002506629	16D 21S 37E	0	234226	0	1016441	0	62687
STATE LAND 15	1	3002506630	16M 21S 37E	0	222695	0	1527048	0	68180
STATE LAND 15	2	3002506631	16N 21S 37E	0	180687	0	1575008	0	16287
STATE LAND 15	3	3002506632	16O 21S 37E	130	152184	1985	6727	0	90
STATE LAND 15	4	3002506633	16P 21S 37E	22356	219483	6485465	2052521	2666	59153
STATE LAND 15	5	3002506634	16P 21S 37E	397	0	6247	0	1738	0
MITTIE WEATHERLY	1	3002506635	17F 21S 37E	0	284651	0	1534360	0	25507
LOCKHART A 17	2	3002506637	17I 21S 37E	0	128919	0	47881	0	30
LOCKHART A 17	3	3002506638	17H 21S 37E	0	147030	0	629007	0	13515
LOCKHART A 17	4	3002506639	17A 21S 37E	25219	126170	272576	933316	390	2007
LOCKHART	1	3002506640	17L 21S 37E	78319	39619	706218	0	1922	0
LOCKHART	2	3002506641	17M 21S 37E	5542	101878	133562	831271	918	5358
WEST BLINEBRY DRINKARD UNIT	1	3002506642	17B 21S 37E	21343	267674	335277	1307116	2643	2906
WEATHERLY	65	3002506642	17B 21S 37E	0	0	0	0	0	0
PERCY HARDY	1	3002506643	17N 21S 37E	0	103827	0	77883	0	167
HARDY BLINEBRY UNIT	3	3002506643	17N 21S 37E	0	0	0	0	0	0
WW WEATHERLY	2	3002506645	17J 21S 37E	0	207562	0	830725	0	3595
WW WEATHERLY	3	3002506646	17G 21S 37E	23670	115000	545556	250835	156987	3061
WW WEATHERLY	4	3002506647	17K 21S 37E	0	127249	0	796780	0	141399
MITTIE WEATHERLY	2	3002506648	17E 21S 37E	19595	15747	177411	0	1545	0
MITTIE WEATHERLY	3	3002506649	17C 21S 37E	0	68468	0	252825	0	7763
PERCY HARDY	1	3002506652	17P 21S 37E	0	65420	0	0	0	0
HARDY BLINEBRY UNIT	1	3002506652	17P 21S 37E	0	0	0	0	0	0
PERCY HARDY	2	3002506653	17O 21S 37E	0	99502	87783	0	0	0
HARDY BLINEBRY UNIT	2	3002506653	17O 21S 37E	0	0	0	0	0	0
STATE DC	1	3002506663	19F 21S 37E	0	43067	0	483382	0	23202
L G WARLICK A	1	3002506664	19I 21S 37E	0	57345	0	629754	0	12430
L G WARLICK B	1	3002506665	19H 21S 37E	0	0	0	0	0	0
L G WARLICK	1	3002506665	19H 21S 37E	0	87728	0	197597	0	4556
L G WARLICK A	2	3002506666	19J 21S 37E	0	74934	0	998936	0	22251
GRAHAM STATE NCT I	1	3002506668	19M 21S 37E	0	292734	0	937120	0	28840
L G WARLICK	1	3002506669	19A 21S 37E	0	0	0	0	0	0
STATE CK	1	3002506672	19N 21S 37E	0	205809	0	1250728	0	133894
STATE CK	2	3002506673	19K 21S 37E	0	266675	0	843802	0	172455
HARDY	2	3002506674	19P 21S 37E	0	115093	0	771119	0	5512
HARDY	5	3002506677	19O 21S 37E	0	0	0	0	0	0
J G RANDLE	1	3002506680	20G 21S 37E	0	60184	0	1105410	0	238
J G RANDLE A	1	3002506681	20F 21S 37E	0	160114	0	622647	0	67513
C L HARDY	2	3002506685	20N 21S 37E	0	276217	0	484206	0	83667
C L HARDY	3	3002506686	20K 21S 37E	0	151807	0	593524	0	10359
C L HARDY	5	3002506687	20L 21S 37E	0	127573	0	1096899	0	8619
DAYTON HARDY	2	3002506688	20I 21S 37E	4112	126320	57924	442262	9221	2932
DAYTON HARDY	3	3002506689	20J 21S 37E	0	132494	0	410107	0	5751
D C HARDY	3	3002506690	20P 21S 37E	0	197507	0	1469346	0	23674
D C HARDY	4	3002506691	20O 21S 37E	17476	364206	2509	2088951	27447	107486
ELLIOTT B	1	3002506692	20D 21S 37E	0	114405	0	329823	0	14162
J G RANDLE	1	3002506693	20E 21S 37E	0	189622	0	1465788	0	25499
D C HARDY GAS UNIT	5	3002506694	20P 21S 37E	0	0	0	0	0	0
ANDERSON	2	3002506695	21I 21S 37E	0	12568	0	759710	0	18882
ANDERSON	1	3002506695	21I 21S 37E	11180	0	1716739	0	789	0
ANDERSON	1	3002506696	21I 21S 37E	11087	228025	1513529	1299853	780	2384
M E WANTZ	8	3002506697	21O 21S 37E	0	0	0	0	0	0
M E WANTZ	4	3002506698	21J 21S 37E	0	0	0	0	0	0
M E WANTZ	9	3002506698	21J 21S 37E	35400	0	3660587	0	1183	0
M E WANTZ	5	3002506700	21K 21S 37E	0	20869	0	1554847	0	12714
M E WANTZ	12	3002506701	21M 21S 37E	0	89627	0	1510893	0	9506
M E WANTZ	11	3002506702	21L 21S 37E	0	99462	0	231684	0	25911
M E WANTZ	9	3002506703	21J 21S 37E	33514	90971	3569883	278781	424	5155
M E WANTZ	10	3002506704	21K 21S 37E	24029	79084	1050685	77685	0	3111
C L HARDY	4	3002506705	20M 21S 37E	0	0	0	0	0	0
HARDY	4	3002506705	20M 21S 37E	0	101578	0	0	0	0
M E WANTZ	1	3002506706	21N 21S 37E	0	0	0	0	0	0
M E WANTZ	3	3002506707	21P 21S 37E	0	0	0	0	0	0
M E WANTZ	6	3002506709	21M 21S 37E	0	0	0	0	0	0
MARY E WANTZ	1	3002506713	21N 21S 37E	0	152796	0	576458	0	102
MARY E WANTZ	2	3002506714	21O 21S 37E	0	23892	0	168308	0	97
MARY E WANTZ	3	3002506715	21P 21S 37E	0	226854	0	769173	0	22295
ELLIOTT A	1	3002506716	21A 21S 37E	5448	327940	85696	4127861	15894	23520
ELLIOTT A	2	3002506717	21H 21S 37E	33724	173693	2512828	1920141	946	15045
ELLIOTT A	3	3002506718	21A 21S 37E	0	0	0	0	0	0
ELLIOTT A	4	3002506719	21H 21S 37E	0	0	0	0	0	0

Lease Name	Well #	API	Location	Cum Oil (BBL)		Cum Gas (MCF)		Cum Oil (BBL)	
			Sec, Twp, Rng	Tubb	Drinkard	Tubb	Drinkard	Tubb	Drinkard
WEATHERLY	2	3002506720	21D 21S 37E	0	187133	0	677830	0	5598
WEATHERLY	3	3002506721	21C 21S 37E	0	173489	0	1784816	0	3616
WEATHERLY	4	3002506722	21B 21S 37E	0	231205	0	2097299	0	8465
WEATHERLY	5	3002506723	21E 21S 37E	0	179281	0	1239325	0	357
WEATHERLY	6	3002506724	21F 21S 37E	0	171757	0	1448177	0	6706
WEATHERLY	7	3002506725	21G 21S 37E	1194	156218	129170	1541149	2238	5180
WEATHERLY E	1	3002506726	21G 21S 37E	58350	0	7653840	0	0	0
CENTRAL DRINKARD UNIT	125	3002506813	28O 21S 37E	0	175867	0	325953	0	221
J N CARSON NCT A	4	3002506813	28O 21S 37E	0	0	0	0	0	0
J N CARSON NCT A	10	3002506816	28J 21S 37E	0	0	0	0	0	0
CENTRAL DRINKARD UNIT	115	3002506818	28K 21S 37E	0	164855	0	331234	0	1202
J N CARSON NCT C	3	3002506831	28P 21S 37E	41810	0	4674523	0	1486	0
CENTRAL DRINKARD UNIT	126	3002506831	28P 21S 37E	0	122002	0	192467	0	6444
CENTRAL DRINKARD UNIT	113	3002506832	28I 21S 37E	0	254375	0	881419	0	52939
J N CARSON NCT C	6	3002506833	28P 21S 37E	0	0	0	0	0	0
J N CARSON NCT C	9	3002506836	28I 21S 37E	0	0	0	0	0	0
CENTRAL DRINKARD UNIT	109	3002506840	28E 21S 37E	0	208446	0	358269	0	365
CENTRAL DRINKARD UNIT	110	3002506841	28F 21S 37E	0	235030	0	1163855	0	750849
EUNICE KING	5	3002506841	28F 21S 37E	0	0	0	0	0	0
CENTRAL DRINKARD UNIT	104	3002506842	28D 21S 37E	0	110594	0	599954	0	264263
EUNICE KING	8	3002506844	28H 21S 37E	4156	168965	35817	0	2389	0
EUNICE KING	9	3002506845	28G 21S 37E	0	0	0	0	0	0
CENTRAL DRINKARD UNIT	111	3002506845	28G 21S 37E	0	204010	0	481132	0	3760
EUNICE KING	10	3002506846	28B 21S 37E	0	0	0	0	0	0
CENTRAL DRINKARD UNIT	102	3002506847	28B 21S 37E	0	137428	0	231995	0	16952
CENTRAL DRINKARD UNIT	401	3002506848	28A 21S 37E	0	5397	0	585130	0	230
EUNICE KING	13	3002506849	28A 21S 37E	15927	156657	5417119	0	332	0
J N CARSON NCT A	9	3002506850	28K 21S 37E	4673	0	3122111	0	9051	0
EUNICE KING	14	3002506851	28G 21S 37E	3369	0	470788	0	14041	0
EUNICE KING	15	3002506852	28F 21S 37E	0	0	0	0	0	0
CENTRAL DRINKARD UNIT	101	3002506853	28A 21S 37E	0	76399	0	655771	0	80259
EUNICE KING	18	3002506855	28E 21S 37E	6239	0	942488	0	658	0
EUNICE KING	19	3002506856	28C 21S 37E	0	0	0	0	0	0
LINAM HARDY GAS COM	1	3002506859	29A 21S 37E	15727	0	3288195	0	831	0
CENTRAL DRINKARD UNIT	114	3002506861	28J 21S 37E	0	330412	0	754983	0	345857
J N CARSON NCT A	6	3002506861	28J 21S 37E	26982	0	1696615	0	254	0
CENTRAL DRINKARD UNIT	103	3002506862	28C 21S 37E	0	452956	0	1332911	0	493921
EUNICE KING	22	3002506862	28C 21S 37E	28458	0	4952056	0	0	0
EUNICE KING	24	3002506864	28E 21S 37E	0	0	0	0	0	0
EUNICE KING	25	3002506865	28D 21S 37E	5279	0	350645	0	10203	0
EUNICE KING	104	3002506865	28D 21S 37E	0	179970	0	0	0	0
CENTRAL DRINKARD UNIT	112	3002506866	28H 21S 37E	0	121333	0	299708	0	325834
CENTRAL DRINKARD UNIT	116	3002506867	28L 21S 37E	0	654024	0	1744064	0	1031027
CENTRAL DRINKARD UNIT	123	3002506868	28M 21S 37E	0	234998	0	386801	0	264
CENTRAL DRINKARD UNIT	124	3002506870	28N 21S 37E	0	535011	0	1110420	0	1037751
E O CARSON	17	3002506871	28N 21S 37E	8924	0	1226530	0	6173	0
E O CARSON	19	3002506873	28L 21S 37E	18581	0	3600039	0	7212	0
WM TURNER	3	3002506877	29I 21S 37E	20694	0	1954603	0	531	0
CENTRAL DRINKARD UNIT	117	3002506877	29I 21S 37E	0	152198	0	281274	0	0
CENTRAL DRINKARD UNIT	118	3002506878	29J 21S 37E	0	260406	0	1011391	0	873029
WM TURNER	3	3002506879	29I 21S 37E	20554	0	1867881	0	346	0
CENTRAL DRINKARD UNIT	122	3002506880	29P 21S 37E	0	372055	0	1182471	0	1551891
TURNER	3	3002506880	29P 21S 37E	27491	0	2431548	0	1177	0
CENTRAL DRINKARD UNIT	121	3002506881	29O 21S 37E	0	109623	0	876032	0	0
TURNER	3	3002506882	29P 21S 37E	27027	0	2161687	0	321	0
CENTRAL DRINKARD UNIT	165	3002506885	29A 21S 37E	0	419851	0	551426	0	885047
TURNER COM	3	3002506885	29N 21S 37E	0	0	0	0	0	0
CENTRAL DRINKARD UNIT	164	3002506886	29M 21S 37E	0	134827	0	0	0	0
HAZEL S TURNER	4	3002506886	29M 21S 37E	0	0	0	0	0	0
TURNER COM	3	3002506888	29K 21S 37E	12191	0	1185513	0	0	0
CENTRAL DRINKARD UNIT	162	3002506888	29K 21S 37E	0	250953	0	1370617	0	50824
CORDELIA HARDY	3	3002506891	29C 21S 37E	309	0	5590	0	0	0
CENTRAL DRINKARD UNIT	158	3002506891	29E 21S 37E	0	428484	0	762723	0	78513
HARDY	4	3002506892	29F 21S 37E	0	154340	0	0	0	0
CENTRAL DRINKARD UNIT	160	3002506893	29E 21S 37E	0	200321	0	292884	0	4559
CORDELIA HARDY	6	3002506894	29D 21S 37E	0	0	0	0	0	0
CENTRAL DRINKARD UNIT	159	3002506894	29D 21S 37E	0	286285	0	438632	0	131505
CENTRAL DRINKARD UNIT	108	3002506895	29H 21S 37E	0	295118	0	3233609	0	983008
CENTRAL DRINKARD UNIT	107	3002506896	29G 21S 37E	0	200767	0	548572	0	2492
D HARDY	3	3002506897	29H 21S 37E	0	0	0	0	0	0
CENTRAL DRINKARD UNIT	105	3002506898	29G 21S 37E	0	485892	0	943154	0	418301
CENTRAL DRINKARD UNIT	106	3002506899	29F 21S 37E	0	322230	0	877646	0	213936
CENTRAL DRINKARD UNIT	120	3002506903	30C 21S 37E	0	617714	0	634564	0	121051
H T MATTERN NCT B	8	3002506904	30I 21S 37E	0	0	0	0	0	0
CENTRAL DRINKARD UNIT	119	3002506904	30I 21S 37E	0	38025	0	0	0	0
V M HENDERSON	2	3002506908	30A 21S 37E	0	0	0	0	0	0
V M HENDERSON	3	3002506909	30H 21S 37E	0	31111	0	0	0	6197
V M HENDERSON	5	3002506911	30B 21S 37E	0	0	0	0	0	0
V M HENDERSON	6	3002506912	30C 21S 37E	0	30789	0	78492	0	10686
V M HENDERSON	7	3002506913	30F 21S 37E	0	27561	0	173306	0	33410
V M HENDERSON	8	3002506914	30E 21S 37E	0	11393	0	24194	0	2641
V M HENDERSON	9	3002506915	30G 21S 37E	5064	24058	12285	89639	1864	10222
V M HENDERSON	10	3002506916	30D 21S 37E	0	28459	0	157069	0	19371
W E LEE	5	3002509920	20B 21S 37E	0	0	0	0	0	0
W E LEE	3	3002509922	20C 21S 37E	8778	137418	84236	420431	6516	2789
A M YORK B	2	3002509924	20A 21S 37E	30845	0	200056	0	17429	0

Lease Name	Well #	API	Location	Cum Oil (BBL)		Cum Gas (MCF)		Cum Oil (BBL)	
			Sec, Twp, Rng	Tubb	Drnkard	Tubb	Drnkard	Tubb	Drnkard
A M YORK	2	3002509924	20A 21S 37E	0	227581	0	863592	0	16337
A M YORK	1	3002509925	20H 21S 37E	0	285241	0	1383665	0	2062
YORK GAS COM	1	3002509925	20H 21S 37E	2378	0	611150	0	13031	0
W H TURNER	1	3002509935	29L 21S 37E	0	0	0	0	0	0
CENTRAL DRINKARD UNIT	163	3002509935	29L 21S 37E	0	214411	0	594234	0	200375
W E LEE	2	3002511520	20B 21S 37E	33987	199450	343793	606924	5728	2772
GULF MATTERN	1	3002520004	30J 21S 37E	0	67867	0	470964	0	105745
GRAHAM STATE NCT I	2	3002520088	19L 21S 37E	0	40301	0	262464	0	4391
STATE LAND 15	6	3002520311	16O 21S 37E	0	74023	0	2338702	0	30935
L G WARLICK B	2	3002520368	19G 21S 37E	0	37198	0	1206068	0	8043
STATE CK	3	3002520540	19N 21S 37E	0	0	0	0	0	0
STATE DC	2	3002520583	19 21S 37E	0	45273	0	360346	0	32583
SUNSHINE STATE	1	3002520776	19C 21S 37E	0	29526	0	243706	0	2501
L G WARLICK	2	3002520777	19B 21S 37E	0	100449	0	527321	0	98382
MATTERN	1	3002523494	3O 21S 37E	0	0	0	0	0	0
MATTERN	2	3002523535	30K 21S 37E	0	0	0	0	0	0
L G WARLICK	3	3002523953	18P 21S 37E	0	27697	0	247103	0	38120
H T MATTERN NCT B	14	3002524022	30M 21S 37E	0	88169	0	532812	0	304424
H T MATTERN NCT B	15	3002524084	30N 21S 37E	0	5028	0	50987	0	2384
H T MATTERN NCT B	18	3002524187	30O 21S 37E	0	62675	0	339613	0	139278
CENTRAL DRINKARD UNIT	161	3002524415	29F 21S 37E	0	91175	0	156405	0	269085
CORDELIA HARDY	9	3002524415	29F 21S 37E	206	0	23560	0	1304	0
H T MATTERN NCT C	5	3002525025	18I 21S 37E	0	16709	0	1001260	0	10325
H T MATTERN NCT C	6	3002525099	18H 21S 37E	0	199975	0	1626021	0	209524
H T MATTERN NCT C	7	3002525111	18J 21S 37E	0	13975	0	172592	0	16893
H T MATTERN NCT C	8	3002525112	18A 21S 37E	0	39528	0	741362	0	22444
CENTRAL DRINKARD UNIT	408	3002525184	28D 21S 37E	0	1947	0	1468839	0	4260
HARRY LEONARD NCT E	6	3002525198	16A 21S 37E	0	21918	0	750803	0	7973
CENTRAL DRINKARD UNIT	409	3002525212	28C 21S 37E	0	775	0	1112388	0	1805
CENTRAL DRINKARD UNIT	411	3002525222	28B 21S 37E	0	3322	0	1157391	0	4264
CENTRAL DRINKARD UNIT	412	3002525223	29D 21S 37E	0	90541	0	619857	0	53612
CENTRAL DRINKARD UNIT	413	3002525224	29B 21S 37E	0	3258	0	613732	0	3425
CENTRAL DRINKARD UNIT	414	3002525252	28H 21S 37E	0	1484	0	690685	0	2124
CENTRAL DRINKARD UNIT	415	3002525253	28I 21S 37E	0	2262	0	2172421	0	2036
CENTRAL DRINKARD UNIT	416	3002525262	28P 21S 37E	0	755	0	1258227	0	1050
HARDY	6	3002525509	19O 21S 37E	0	26563	0	446744	0	46510
CENTRAL DRINKARD UNIT	418	3002525515	29D 21S 37E	0	128112	0	2546732	0	1082955
CENTRAL DRINKARD UNIT	417	3002525545	28K 21S 37E	0	72413	0	141296	0	1065432
CENTRAL DRINKARD UNIT	424	3002525549	28L 21S 37E	0	9085	0	2057597	0	259134
CENTRAL DRINKARD UNIT	423	3002525627	28N 21S 37E	0	455	0	3036262	0	3199
CENTRAL DRINKARD UNIT	419	3002525694	28L 21S 37E	0	49189	0	373155	0	331119
STATE E TRACT 27	1	3002526317	18N 21S 37E	0	32446	0	117297	0	8925
CENTRAL DRINKARD UNIT	425	3002526444	28G 21S 37E	0	242	0	1023682	0	2493
CENTRAL DRINKARD UNIT	426	3002526445	29H 21S 37E	0	16726	0	994729	0	138842
CENTRAL DRINKARD UNIT	427	3002526446	29G 21S 37E	0	66991	0	203776	0	278382
CENTRAL DRINKARD UNIT	432	3002526451	29P 21S 37E	0	11624	0	1869128	0	101966
WILLIAM TURNER	4	3002527261	29J 21S 37E	0	0	0	0	0	0
H T MATTERN NCT C	15	3002527529	18B 21S 37E	0	1180	0	2952	0	1110
H T MATTERN NCT C	16	3002527530	18G 21S 37E	0	1755	0	6081	0	1198
MITTIE WEATHERLY	6	3002528395	17E 21S 37E	0	50706	0	545137	0	78275
CORDELIA HARDY	8	3002528900	29C 21S 37E	0	0	0	0	0	0
CENTRAL DRINKARD UNIT	433	3002530418	29G 21S 37E	0	136589	0	139319	0	1102865
L G WARLICK	4	3002533030	19A 21S 37E	0	15834	0	187854	0	49372
V M HENDERSON	15	3002533328	30G 21S 37E	0	0	0	0	0	0
MATTERN	4	3002533544	30J 21S 37E	0	184	0	163	0	15
V M HENDERSON	16	3002533782	3O 21S 37E	0	376	0	747	0	0
E O CARSON	24	3002534353	28M 21S 37E	0	0	0	0	0	0
LINAM HARDY GAS COM	2	3002534355	29H 21S 37E	0	0	0	0	0	0
STATE DC	3	3002534401	19F 21S 37E	0	30651	0	410899	0	224758
L G WARLICK	5	3002534419	18O 21S 37E	0	0	0	0	0	0
L G WARLICK A	3	3002534504	19I 21S 37E	0	7586	0	98692	0	223059
STATE DC	4	3002534510	19 21S 37E	0	16255	0	67803	0	154459
STATE CK	4	3002534776	19K 21S 37E	0	0	0	0	0	0
STATE C TRACT 12	14	3002536305	16D 21S 37E	0	11419	22188	150217	0	27609
W H TURNER	3	3002537161	29K 21S 37E	1563	0	123719	0	8403	0
STATE DA	12	3002537201	16J 21S 37E	2671	2069	53	64191	1008	866
STATE LAND 15	9	3002537535	16O 21S 37E	586	0	11981	0	0	0
STATE LAND 15	10	3002537536	16O 21S 37E	416	0	6736	0	0	0
CENTRAL DRINKARD UNIT	434	3002537805	28B 21S 37E	0	4293	0	3850	0	25063
H S TURNER	8	3002537873	29M 21S 37E	10600	0	139455	0	122189	0
D C HARDY	9	3002538004	20O 21S 37E	0	31489	0	89122	0	25749
W H TURNER	9	3002538126	29L 21S 37E	7202	0	84373	0	57786	0
H S TURNER	10	3002538296	29N 21S 37E	4976	0	57126	0	44698	0
TOTALS				926,926	22,632,874	87,269,533	131,663,675	586,616	18,102,427
AVERAGES				3,783	92,379	356,202	537,403	2,394	73,887

Proposed Allocations	Oil	Gas	Water
Tubb	4%	40%	3%
Drnkard	96%	60%	97%
TOTAL	100%	100%	100%