

DWC

Order Number

HOB-484

API Number

30-025-40207

Operator

Apache Corp

County

Lea/Fee

Order Date

11/21/11

Well Name

Laughlin

Number

5

Location

6

UL

9

Sec

20s

T (+Dir)

37e

R (+Dir)

Oil %

4%

Gas %

40%

WTR

3%

Pool 1

47090

Monument Tubb

Pool 2

52000

Skaggs Drinkard

96%

60%

27%

Pool 3

Pool 4

Comments:

dm Entered to RBPMs 11/28/11

DOWNHOLE COMMINGLE CALCULATIONS:

DHC-40B-484

OPERATOR: Apache Corp

API# 30-025-40207

PROPERTY NAME: Laughlin

WNULSTR: #5-G, 9-20s-370

SECTION I: <47090>

ALLOWABLE AMOUNT

POOL NO. 1 Monument Tubb

222 2220 MCF

<57000>

POOL NO. 2 Skaggs Drinkard

142 1420 MCF

POOL NO. 3 _____

_____ MCF

POOL NO. 4 _____

_____ MCF

POOL TOTALS 364 3640

SECTION II:

POOL NO. 1 Monument Tubb

Oil
490

Gas
40%

POOL NO. 2 Skaggs Drinkard

96% x 364 = 349.44 60%
<349>

POOL NO. 3 _____

POOL NO. 4 _____

OIL

GAS

SECTION III:
96% ÷ 142 = 141.91 <148>

SECTION IV:
490 x 148 = 5.92 <6>
9690 x 148 = 142.08 <142>

Submit 1 Copy 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

Form C-103
October 13, 2009

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

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. 30-25-40207
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☒
2. Name of Operator Apache Corporation		6. State Oil & Gas Lease No.
3. Address of Operator 303 Veterans Airpark Ln. Midland, TX 79705		7. Lease Name or Unit Agreement Name LAUGHLIN
4. Well Location Unit Letter G : 1675 feet from the N line and 2150 feet from the E line Section 9 Township 20S Range 37E NMPM County LEA		8. Well Number 005
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3546 GR		9. OGRID Number 873
		10. Pool name or Wildcat MONUMENT;TUBB SKAGGS;DRINKARD

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 ☒ X

SUBSEQUENT REPORT OF:

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

OTHER PLUG OFF ABO 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 19.15.7 14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Per R-11363

Pool Names: SKAGGS;DRINKARD (57000)
MONUMENT;TUBB (47090)

Perforations: 6682-6979'
Perforations: 6432-6586'

The allocation method will be as follows:

	Oil	Gas	Water
Drinkard:	96%	60%	97%
Tubb :	4%	40%	3%

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

Spud Date: 9-1-2011

Rig Release Date: 9-12-2011

DHC- HOB- 484

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

SIGNATURE Bev Hatfield TITLE **Sr. Staff Regulatory Tech**

DATE: 11-14-2011

Type or print name **Bev Hatfield** E-mail address: **Beverly.hatfield@apachecorp.com** PHONE **432.818.1906**
For State Use Only

APPROVED BY [Signature] TITLE **STAFF MGR** DATE **11-21-2011**
Conditions of Approval (if any):

NOV 28 2011

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State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised July 16, 2010

Submit one copy to appropriate
District Office

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-40207	Pool Code 57000	Pool Name SKaggs; Drinkard
Property Code 306604	Property Name LAUGHLIN	Well Number 005
OGRID No. 873	Operator Name APACHE CORPORATION	Elevation 3546'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	9	20 S	37 E		1675	NORTH	2150	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 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

SURFACE LOCATION Lat - N 32°35'25.17" Long - W 103°15'17.60" NMSPC - N 580174.941 E 873491.202 (NAD-83) SURFACE LOCATION Lat - N 32°35'24.73" Long - W 103°15'15.88" NMSPC - N 580113.042 E 832308.571 (NAD-27)		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. Signature: <i>Bev Hatfield</i> Date: <i>4/14/11</i> Printed Name: Bev Hatfield Email Address: beverly.hatfield@apachecorp.com 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: 2011 Signature: <i>Gary L. Jones</i> Seal of Professional Surveyor Professional Surveyor No. 7977 Certificate No. Gary L. Jones 7977 BASIN SURVEYS 24881
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State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised July 16, 2010

Submit one copy to appropriate
District Office

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 40207	Pool Code 47090	Pool Name Monument; Tubb
Property Code 306604	Property Name LAUGHLIN	Well Number 005
OGRID No 873	Operator Name APACHE CORPORATION	Elevation 3546'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	9	20 S	37 E		1675	NORTH	2150	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 80		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

SURFACE LOCATION Lat - N 32°35'25.17" Long - W 103°15'17.60" NMSPCE- N 580174.941 E 873491.202 (NAD-83) SURFACE LOCATION Lat - N 32°35'24.73" Long - W 103°15'15.88" NMSPCE- N 580113.042 E 832308.571 (NAD-27)		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. Signature <i>Bev Hatfield</i> Date <i>11/11/11</i> Printed Name Bev Hatfield Email Address <i>beverly.hatfield@apachecorp.com</i> 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 <i>11/11/11</i> Signature <i>Gary L. Jones</i> Sent to Professional Surveyor Professional Surveyor 7977 Certificate No. Gary L. Jones 7977 BASIN SURVEYS 24881
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November 14, 2011

Mr. Paul Kautz or Ms. Donna Mull
New Mexico Oil Conservation Division
1625 N French Drive
Hobbs, NM

Apache

APACHE CORPORATION
303 VETERANS AIRPARK LANE / SUITE 3000 / MIDLAND, TX 79705-9909

RE: Application for Exception to Rule 303-C – Downhole Commingling
LAUGHLIN #005
Unit G, Section 9, T-20-S, R-37-E Skaggs; Drinkard (O), Monument; Tubb (O)
Lea County, New Mexico

HOBBS OCD

NOV 16 2011

Hobbs OCD:

RECEIVED

Enclosed please find 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 was 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 both 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. By using this allocation method all 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 (432) 818-1906.

Sincerely,



Beverly Hatfield
Sr. Staff Regulatory Tech

attachments



AFE No: PA- 11- 0413-C

Laughlin #5
API #: 30-025-40207
1675' FNL & 2150' FEL
Section 9, Township 20S, Range 37E
Lea County, New Mexico

Completion Procedure -Drinkard / Tubb

October 17, 2011

Recommended Procedure:

Note: 5-1/2", 17#, L-80 csg @ 7700' w/960 sx cmt (circ).
Marker joint @ 5467-5489', DV tool @ 4703'

Burst L-80 @ 90% = 6966 psig

Abo perfs 7120-7424' (78 holes)

Drinkard:

1. MIRU PU. TOH with tubing and packer.
2. MIRU wireline unit. Run gauge ring/junk basket to 7100'. Set CIBP at 7100'. Load hole and pressure test CIBP to 2000 psi. Perforate Drinkard and Abo at 6682', 6684', 6686', 6688', 6720', 6726', 6728', 6730', 6732', 6734', 6736', 6738', 6740', 6768', 6770', 6832', 6834', 6838', 6840', 6842', 6852', 6854', 6856', 6876', 6878', 6880', 6882', 6893', 6896', 6898', 6900', 6934', 6936', 6940', 6942', 6944', 6946', 6962', 6964', 6977' and 6979' w/2 spf, 120 deg phasing. Total = 82 shots. RIH with dump bailer. Dump 35' cement on CIBP. RD wireline.
3. TIH 2-7/8" tubing and packer. Spot acid over all perfs. Set packer @ +/- 6600'. Acidize Drinkard interval with 8,000 gals 15% NEFE HCL acid and ball sealers. Add 1 drum of corrosion inhibitor & 2 drums scale inhibitor to acid mix.
4. Release packer & run through perfs to knock off balls. Reset packer and swab test Drinkard zone.
5. TOH with tubing and packer.

Tubb:

1. MIRU wireline unit. Set CBP at 6660'. Load hole and pressure test CBP to 2000 psi. If necessary, NU 5K wellhead prior to perf'g Tubb. Perforate Tubb formation @ 6432', 6438', 6440', 6442', 6444', 6448', 6450', 6461', 6463', 6474', 6484', 6486', 6491', 6493', 6496', 6498', 6507', 6515', 6521', 6527', 6530', 6532', 6539', 6555', 6558', 6560', 6562', 6570', 6577', 6580', 6582', and 6586' w/1 spf, 120 deg phasing. Total = 32 shots. RD wireline.
2. TIH 2-7/8" tubing and packer. Spot acid over all perfs. Set packer @ +/- 6350'.
3. Acidize Tubb w/4,000 gals 15% NEFE HCL with ball sealers. Add 1 drum of corrosion inhibitor & 2 drums scale inhibitor to acid mix.
4. Release packer & run through perfs to knock off balls. TOH with tubing and packer. ND BOP. NU 5K frac valve.
5. RU frac equipment. Frac the Tubb interval w/100,000# 20/40 Ottawa sand and 20,000# 20/40 SLC resin coated sand down 5-1/2" csg @ 50 BPM in 30# XL gel as per frac recommendation. Maximum treating pressure = 5000 psi.

6. RIH with 4-3/4" bit and DCs on 2-7/8" tbg. Drill out CBP at 6660' and clean out to 7065' PBTD. Commingle Tubb and Drinkard production. TOH with bit.
7. RIH w/production tubing. Land SN @ +/-7000'. RIH w/1-1/2" pump & rods. Install BPE.
8. Put well on test.

Prepared by:



Gary C. Timmermann
10/17/2011

Lease Name	Well #	API	Location Sec, Twp, Rng	Cum Oil (BBL)		Cum Gas (MCF)		Cum Oil (BBL)	
				Tubbs	Drnkard	Tubbs	Drnkard	Tubbs	Drnkard
A.M. YORK	2	3002509924	20A 21S 37E	0	227581	0	883592	0	10337
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
WH 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
WE LEE	2	3002511520	20B 21S 37E	33987	199450	343793	606924	5728	2772
GULF MATTERN	1	3002520004	30J 21S 37E	0	67867	0	470954	0	105745
GRAHAM STATE NCT I	2	3002520088	19L 21S 37E	0	40301	0	262464	0	4391
STATE LAND 15	8	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	380346	0	32583
SUNSHINE STATE	1	3002520776	19C 21S 37E	0	29528	0	243706	0	2501
L.G. WARLICK	2	3002520777	19U 21S 37E	0	100449	0	527321	0	58382
MATTERN	1	3002523494	30 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
HT MATTERN NCT B	14	3002524022	30M 21S 37E	0	88109	0	532812	0	304424
HT MATTERN NCT B	15	3002524084	30N 21S 37E	0	5028	0	50987	0	2384
HT MATTERN NCT B	18	3002524187	30O 21S 37E	0	62675	0	339813	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	23580	0	1304	0
HT MATTERN NCT C	5	3002525025	18I 21S 37E	0	16709	0	1001250	0	10325
HT MATTERN NCT C	6	3002525099	18H 21S 37E	0	199975	0	1626021	0	209524
HT MATTERN NCT C	7	3002525111	18J 21S 37E	0	13975	0	172592	0	16893
HT MATTERN NCT C	8	3002525112	18A 21S 37E	0	39528	0	741382	0	22444
CENTRAL DRINKARD UNIT	408	3002525184	28D 21S 37E	0	1947	0	1468839	0	4200
HARRY LEONARD NCT E	8	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	619557	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	26583	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	1085432
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	138942
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	28J 21S 37E	0	0	0	0	0	0
HT MATTERN NCT C	15	3002527529	18B 21S 37E	0	1180	0	2952	0	1110
HT MATTERN NCT C	18	3002527530	18G 21S 37E	0	1755	0	6081	0	1108
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	30 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	18F 21S 37E	0	30651	0	410809	0	224758
L.G. WARLICK	5	3002534419	16O 21S 37E	0	0	0	0	0	0
L.G. WARLICK A	3	3002534504	19I 21S 37E	0	7580	0	98692	0	223059
STATE DC	4	3002534510	19 21S 37E	0	16255	0	67803	0	154459
STATE CK	4	3002534778	19K 21S 37E	0	0	0	0	0	0
STATE E C TRACT 12	14	3002536305	16D 21S 37E	0	11419	22183	150217	0	27609
WH TURNER	3	3002537161	29K 21S 37E	1563	0	123719	0	8403	0
STATE DA	12	3002537201	16J 21S 37E	2871	2050	53	64191	1008	865
STATE LAND 15	8	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	122169	0
D.C. HARDY	8	3002536004	20O 21S 37E	0	31489	0	89122	0	25749
WH 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	585,616	18,102,427
AVERAGES				3,783	92,379	356,202	537,403	2,394	73,887

Proposed Allocations	Oil	Gas	Water
Tubbs	4%	40%	3%
Drnkard	95%	60%	97%
TOTAL	100%	100%	100%

All wells producing from ~~Blaine~~ Tubbs/Drinkard within 9 Section range.

Lease Name	Well #	API	Location Sec. Twp. Rng	Cum Oil (BBL)		Cum Gas (MCF)		Cum Oil (BBL)	
				Tubbs	Onnkard	Tubbs	Onnkard	Tubbs	Onnkard
STATE DA	1	3002506615	16L 21S 37E	0	193593	0	417151	0	6013
STATE DA	2	3002506616	16K 21S 37E	0	196029	0	1534877	0	3542
STATE DA	5	3002506617	16L 21S 37E	0	0	0	0	0	0
STATE DA	3	3002506618	16J 21S 37E	33803	137311	3592485	1776192	0	968
STATE DA	4	3002506619	16I 21S 37E	0	159005	0	2300082	0	573
HARRY LEONARD NCT E	1	3002506620	16G 21S 37E	0	38352	0	728087	0	403
HARRY LEONARD NCT E	2	3002506621	16H 21S 37E	0	158744	0	1409874	0	3476
HARRY LEONARD NCT E	58	3002506621	16H 21S 37E	0	0	0	0	0	0
HARRY LEONARD NCT E	3	3002506622	16G 21S 37E	0	126435	0	2447814	0	8141
HARRY LEONARD NCT E	4	3002506623	16A 21S 37E	19398	60780	6447223	0	789	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	434072	2310987	19325	17524
STATE C TR 12	6Y	3002506627	16C 21S 37E	24048	0	4884987	0	2329	0
STATE C TRACT 12	6Y	3002506628	16C 21S 37E	731	181800	100038	1488633	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	218483	6485465	2052521	2666	59153
STATE LAND 15	5	3002506634	16P 21S 37E	397	0	6247	0	1738	0
MITTIE WEATHERLY	1	3002506635	17I 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	128170	272576	933316	390	2007
LOCKHART	1	3002506640	17L 21S 37E	78319	38619	708218	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	287674	335277	1307116	2843	2906
WEATHERLY	65	3002506642	17B 21S 37E	0	0	0	0	0	0
PERCY HARDY	1	3002506643	17N 21S 37E	0	103827	0	77893	0	167
HARDY BLINEBRY UNIT	3	3002506643	17N 21S 37E	0	0	0	0	0	0
WV WEATHERLY	2	3002506645	17J 21S 37E	0	207562	0	830725	0	3595
WV WEATHERLY	3	3002506646	17G 21S 37E	23670	115000	545550	250835	156987	3061
WV WEATHERLY	4	3002506647	17K 21S 37E	0	127249	0	708760	0	141399
MITTIE WEATHERLY	2	3002506648	17E 21S 37E	10595	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 OC	1	3002506653	17F 21S 37E	0	43067	0	483382	0	23202
L G WARLICK A	1	3002506684	18I 21S 37E	0	57345	0	629754	0	12430
L G WARLICK B	1	3002506665	18H 21S 37E	0	0	0	0	0	0
L G WARLICK	1	3002506665	18H 21S 37E	0	87728	0	197597	0	4558
L G WARLICK A	2	3002506668	18J 21S 37E	0	74934	0	989936	0	22251
GRAHAM STATE NCT I	1	3002506668	18M 21S 37E	0	292734	0	937120	0	28840
L G WARLICK	1	3002506669	18A 21S 37E	0	0	0	0	0	0
STATE CK	1	3002506672	18N 21S 37E	0	205809	0	1250728	0	133894
STATE CK	2	3002506673	19K 21S 37E	0	286675	0	843602	0	172455
HARDY	2	3002506674	19P 21S 37E	0	115093	0	771118	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	128320	57924	442262	9221	2632
DAYTON HARDY	3	3002506689	20J 21S 37E	0	132404	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	17478	364206	2509	2088951	21447	107486
ELLIOTT B	1	3002506692	20R 21S 37E	0	114405	0	329823	0	14162
J G RANDLE	1	3002506693	20E 21S 37E	0	189822	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	1718739	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	21H 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	60971	3569883	276781	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	157796	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	327840	65690	4127801	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	Drnkard	Tubb	Drnkard	Tubb	Drnkard	
WEATHERLY	2	3002506720	21D 21S 37E	0	187133	0	677830	0	5598	
WEATHERLY	3	3002506721	21C 21S 37E	0	173489	0	1784816	0	3618	
WEATHERLY	4	3002506722	21D 21S 37E	0	231205	0	2097299	0	8465	
WEATHERLY	5	3002506723	21E 21S 37E	0	179281	0	1239325	0	357	
WEATHERLY	8	3002506724	21F 21S 37E	0	171757	0	1448177	0	8708	
WEATHERLY	7	3002506725	21G 21S 37E	1194	156218	128170	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	175887	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	184855	0	331234	0	1202	
J N CARSON NCT C	3	3002506831	28P 21S 37E	41810	0	4674523	0	1486	0	
CENTRAL DRINKARD UNIT	128	3002506831	28P 21S 37E	0	122002	0	192467	0	8444	
CENTRAL DRINKARD UNIT	113	3002506832	28I 21S 37E	0	254375	0	851419	0	52939	
J N CARSON NCT C	8	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	3002508841	28F 21S 37E	0	0	0	0	0	0	
CENTRAL DRINKARD UNIT	104	3002508842	28O 21S 37E	0	110594	0	599954	0	264263	
EUNICE KING	8	3002508844	28H 21S 37E	4156	168965	35817	0	2389	0	
EUNICE KING	9	3002508845	28G 21S 37E	0	0	0	0	0	0	
CENTRAL DRINKARD UNIT	111	3002508845	28G 21S 37E	0	204010	0	481132	0	3760	
EUNICE KING	10	3002508846	28D 21S 37E	0	0	0	0	0	0	
CENTRAL DRINKARD UNIT	102	3002508847	28B 21S 37E	0	137428	0	231995	0	16952	
CENTRAL DRINKARD UNIT	401	3002508848	28A 21S 37E	0	5397	0	585130	0	230	
EUNICE KING	13	3002508849	28A 21S 37E	15927	156657	5417119	0	332	0	
J N CARSON NCT A	9	3002508850	28K 21S 37E	4673	0	3122111	0	9051	0	
EUNICE KING	14	3002508851	28G 21S 37E	3369	0	470788	0	14041	0	
EUNICE KING	15	3002508852	28F 21S 37E	0	0	0	0	0	0	
CENTRAL DRINKARD UNIT	101	3002508853	28A 21S 37E	0	76399	0	655771	0	80259	
EUNICE KING	18	3002508855	28E 21S 37E	6239	0	942468	0	658	0	
EUNICE KING	19	3002508856	28C 21S 37E	0	0	0	0	0	0	
LINAM HARDY GAS COM	1	3002508858	29A 21S 37E	15727	0	3288195	0	831	0	
CENTRAL DRINKARD UNIT	114	3002508881	28J 21S 37E	0	330412	0	754983	0	345857	
J N CARSON NCT A	6	3002508881	28J 21S 37E	26982	0	1698615	0	254	0	
CENTRAL DRINKARD UNIT	103	3002508882	28C 21S 37E	0	452958	0	1332911	0	493921	
EUNICE KING	22	3002508882	28C 21S 37E	28458	0	4952056	0	0	0	
EUNICE KING	24	3002508884	28E 21S 37E	0	0	0	0	0	0	
EUNICE KING	25	3002508885	28D 21S 37E	5279	0	350645	0	10203	0	
EUNICE KING	104	3002508885	28D 21S 37E	0	178970	0	0	0	0	
CENTRAL DRINKARD UNIT	112	3002508886	28H 21S 37E	0	121333	0	299708	0	325834	
CENTRAL DRINKARD UNIT	116	3002508887	28L 21S 37E	0	654024	0	1744064	0	1031027	
CENTRAL DRINKARD UNIT	123	3002508888	28M 21S 37E	0	234998	0	386801	0	284	
CENTRAL DRINKARD UNIT	124	3002508870	28N 21S 37E	0	535011	0	1110420	0	1037151	
E O CARSON	17	3002508871	28N 21S 37E	8924	0	1226530	0	8173	0	
E O CARSON	19	3002508873	28L 21S 37E	18581	0	3600039	0	7212	0	
WM TURNER	3	3002508877	20I 21S 37E	20694	0	1854603	0	531	0	
CENTRAL DRINKARD UNIT	117	3002508877	29I 21S 37E	0	152198	0	281274	0	0	
CENTRAL DRINKARD UNIT	118	3002508878	20J 21S 37E	0	260406	0	1011391	0	873028	
WM TURNER	3	3002508879	29I 21S 37E	20554	0	1867881	0	346	0	
CENTRAL DRINKARD UNIT	122	3002508880	29P 21S 37E	0	372055	0	1182471	0	1551891	
TURNER	3	3002508880	29P 21S 37E	27491	0	2431548	0	1177	0	
CENTRAL DRINKARD UNIT	121	3002508881	29O 21S 37E	0	109623	0	876032	0	0	
TURNER	3	3002508882	26P 21S 37E	27027	0	2181687	0	321	0	
CENTRAL DRINKARD UNIT	165	3002508885	29A 21S 37E	0	419851	0	551428	0	885047	
TURNER COM	3	3002508885	29N 21S 37E	0	0	0	0	0	0	
CENTRAL DRINKARD UNIT	164	3002508886	29M 21S 37E	0	134827	0	0	0	0	
HAZEL S TURNER	4	3002508886	29H 21S 37E	0	0	0	0	0	0	
TURNER COM	3	3002508888	29K 21S 37E	12191	0	1185513	0	0	0	
CENTRAL DRINKARD UNIT	162	3002508888	29K 21S 37E	0	250953	0	1370617	0	50824	
CORDELIA HARDY	3	3002508891	29C 21S 37E	309	0	5590	0	0	0	
CENTRAL DRINKARD UNIT	158	3002508891	29E 21S 37E	0	428484	0	762723	0	78513	
HARDY	4	3002508892	29F 21S 37E	0	154340	0	0	0	0	
CENTRAL DRINKARD UNIT	160	3002508893	29E 21S 37E	0	200321	0	292884	0	4559	
CORDELIA HARDY	6	3002508894	29D 21S 37E	0	0	0	0	0	0	
CENTRAL DRINKARD UNIT	159	3002508894	29D 21S 37E	0	286285	0	438632	0	131505	
CENTRAL DRINKARD UNIT	108	3002508895	29H 21S 37E	0	295118	0	3233609	0	983008	
CENTRAL DRINKARD UNIT	107	3002508896	29G 21S 37E	0	200787	0	548572	0	2492	
D HARDY	3	3002508897	26H 21S 37E	0	0	0	0	0	0	
CENTRAL DRINKARD UNIT	105	3002508898	29G 21S 37E	0	485892	0	943154	0	418301	
CENTRAL DRINKARD UNIT	106	3002508899	29F 21S 37E	0	322230	0	877646	0	213936	
CENTRAL DRINKARD UNIT	120	3002508903	30C 21S 37E	0	617714	0	634564	0	121051	
H T MATTERN NCT B	8	3002508904	30I 21S 37E	0	0	0	0	0	0	
CENTRAL DRINKARD UNIT	119	3002508904	30I 21S 37E	0	38025	0	0	0	0	
V M HENDERSON	12	3002508908	30A 21S 37E	0	0	0	0	0	0	
V M HENDERSON	3	3002508909	30H 21S 37E	0	31111	0	0	0	6197	
V M HENDERSON	5	3002508911	30B 21S 37E	0	0	0	0	0	0	
V M HENDERSON	6	3002508912	30C 21S 37E	0	30789	0	78492	0	10686	
V M HENDERSON	7	3002508913	30F 21S 37E	0	27561	0	173308	0	33410	
V M HENDERSON	8	3002508914	30E 21S 37E	0	11393	0	24194	0	2641	
V M HENDERSON	9	3002508915	30G 21S 37E	5064	24058	12285	89639	1864	10222	
V M HENDERSON	10	3002508916	30D 21S 37E	0	28459	0	157069	0	19371	
WE LEE	5	3002509920	20B 21S 37E	0	0	0	0	0	0	
WE LEE	3	3002509922	20C 21S 37E	8778	137418	84238	420431	6516	2789	
A M YORK B	2	3002509924	20A 21S 37E	30845	0	200056	0	17428	0	