

DATE IN 6/8/11	SUSPENSE	ENGINEER WJS	LOGGED IN 6/8/11	DHC 4408	AMTJ 11594852
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ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]  
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]  
 [A] Location - Spacing Unit - Simultaneous Dedication  
☐ NSL ☐ NSP ☐ SD
- Check One Only for [B] or [C]  
 [B] Commingling - Storage - Measurement  
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR
- [D] Other: Specify \_\_\_\_\_
- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply  
 [A] ☐ Working, Royalty or Overriding Royalty Interest Owners  
 [B] ☐ Offset Operators, Leaseholders or Surface Owner  
 [C] ☐ Application is One Which Requires Published Legal Notice  
 [D] ☐ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office  
 [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,  
 [F] ☐ Waivers are Attached
- [3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Beverly Hatfield  
 Print or Type Name

Signature

*Beverly Hatfield*

SR ENGR TECH  
 Title

6/8/2011  
 Date

Beverly.Hatfield@apachecorp.com  
 e-mail Address

District I  
1123 N. French Dr., H-46, NM 87504

District II  
1331 W. Grand Avenue, Azusa, NM 87010

District III  
1050 Rio Bravo Road, Aztec, NM 87416

District IV  
1230 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, 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 303 Veterans Airpark Lane Suite 3000 Midland TX 79705  
Operator Address  
W. LAUGHLIN 011 F 9 20S 37E LEA  
Lease Well No. Unit Letter-Section-Township-Range County  
OGRID No. 873 Property Code 306624 API No. 30-025-39909 Lease Type: Federal State ☒ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	MONUMENT; TUBB (oil)	SKAGGS; DRINKARD (oil)	SE MONUMENT; ABO (oil)
Pool Code	47090	57000	96764
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	6388-6526 (perfs)	6748-6864 (perfs)	6927-7125 (perfs)
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 lava or zone is within 150% of the depth of the top perforation in the upper zone)	NA	NA	NA
Oil Gravity or Gas BTU (Degree API or Gas BTU)	38.7	38.7	38.7
Producing, Shut-In or New Zone	NEW ZONE	NEW ZONE	PRODUCING
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: EST. 41 BO Rates: 94 MCF 170 BW	Date: EST. 40 BO Rates: 98 MCF 180 BW	Date: 6/5/2011 17 BO Rates: 120 MCF 2 BW
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 43 % 34 %	Oil Gas 37 % 40 %	Oil Gas 20 % 26 %

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 Beverly Hatfield TITLE Sr. Engineering Tech DATE 06/08/2011  
TYPE OR PRINT NAME Bev Hatfield TELEPHONE NO. ( 432 ) 818-1906  
E-MAIL ADDRESS BeverlyHatfield@apachecorp.com

**Jones, William V., EMNRD**

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**From:** Hatfield, Beverly [Beverly.Hatfield@apachecorp.com]  
**Sent:** Wednesday, June 08, 2011 12:16 PM  
**To:** Jones, William V., EMNRD  
**Subject:** RE: C107A - W L LAUGHLIN #011

My typo mistake. The gas on the Monument; Abo should be 26% instead of 2%.  
Thank you.  
Bev

-----Original Message-----

**From:** Jones, William V., EMNRD [<mailto:William.V.Jones@state.nm.us>]  
**Sent:** Wednesday, June 08, 2011 1:10 PM  
**To:** Hatfield, Beverly  
**Cc:** Ezeanyim, Richard, EMNRD  
**Subject:** RE: C107A - W L LAUGHLIN #011

Hello Beverly:  
The gas percentages do not add to 100.  
Please correct or get with Mr. Steed and correct and let me know or resend the C-107A.  
Will

## Jones, William V., EMNRD

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**From:** Hatfield, Beverly [Beverly.Hatfield@apachecorp.com]  
**Sent:** Wednesday, June 08, 2011 9:06 AM  
**To:** Jones, William V., EMNRD  
**Subject:** DHC

Apache is wanting to make application to DCH - existing ABO with Drinkard and Tubb. Subject well is the W L Laughlin # 011, Monument; ABO, Southeast (96764), Unit F, 2310 FNL, 2310 FWL, Sec 9, T20S-R37E, Lea County, NM. Any help is greatly appreciated.

**Proposed Perfs:**

TUBB 6388-6526

DRINKARD 6748-6864

**Existing Perfs:**

ABO 6927-7125

It's been about 9 years since I had the privilege to do a DHC in New Mexico so I am needing help. I just started here at Apache last week and my counterpart has left the country.... Literally. She'll be back, but not before the Engineers want to move forward with this DHC. I "think" I can continue with the paper work once I determine the correct pools. First, have these pools ever been granted DHC approval. If they have not can you give me an approximate time it will take for approval once all forms are submitted and received?

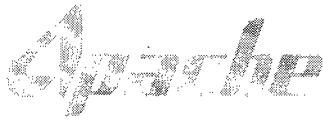
Bev Hatfield

432-818-1906

Sr. Staff Engineering Tech - Permian North

Apache Corporation – Midland, TX

[Beverly.Hatfield@apachecorp.com](mailto:Beverly.Hatfield@apachecorp.com)



June 8, 2011

Mr. Will V. Jones  
New Mexico Oil Conservation Division  
1220 South Saint Francis Drive  
Santa Fe, New Mexico 87505-4225

RE: Application for Exception to Rule 303-C – Downhole Commingling  
W L Laughlin 011  
Unit F, Section 9, T-20-S, R-37-E  
Abo (Oil), Tubb (Oil) & Drinkard (Oil)  
Lea County, New Mexico

Dear Mr. Jones,

Enclosed please find form C-1037A 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 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. 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,**

A handwritten signature in cursive script that reads "Beverly Hatfield".

**Beverly Hatfield  
Sr. Staff Engineering Tech**

attachments

WL Laughlin Oil  
DHC-Tubb Drinkard Abo

6/8/11

Lease Name	Well Number	100QITAPI	Location	Tubb	Drinkard	Abo	Tubb	Drinkard	Abo	Tubb	Drinkard	Abo
JW COOPER G	3	3002505071	3E 20S 37E NW SW NW	2392			4903			43850		
ADKINS	5	3002505092	5M 20S 37E									
BERTHA BARBER	9	3002505094	5E 20S 37E									
BERTHA BARBER	10	3002505095	5L 20S 37E									
BRITT B	2	3002505092	6N 20S 37E									
T ANDERSON	3	3002506003	8K 20S 37E									
T ANDERSON	4	3002506004	8K 20S 37E									
BRITT B	2	3002506007	8C 20S 37E NE NE NW									
BERTIE WHITMIRE	5	3002506015	8F 20S 37E									
BERTIE WHITMIRE	6	3002506016	8H 20S 37E SW NW NE		36765			100588			52383	
BERTIE WHITMIRE	8	3002506018	8F 20S 37E		36176			154854			79683	
BERTHA J BARBER	8	3002506023	8D 20S 37E NW NW									
BERTHA J BARBER	10	3002506024	8E 20S 37E SW NW									
BERTHA J BARBER	11	3002506025	8L 20S 37E NW SW									
T ANDERSON	3	3002506031	8J 20S 37E NW SE									
L VAN ETEN	8	3002506048	8P 20S 37E									
BRITT B	9	3002506108	15J 20S 37E	281578	45473		3357547	728043	19707	9450	14500	
BRITT B	10	3002506109	15F 20S 37E SE NW	177763	2434		4173918	35808		23792	5748	
BRITT B	11	3002506110	15N 20S 37E	209090			573263			119906		
BRITT B	12	3002506111	15E 20S 37E	191297			2392141			115872		
BRITT B	10	3002506112	15Q 20S 37E	25549			818601			32700		
BRITT B	14	3002506113	15L 20S 37E	146459			681426			5307		
SEMU BRITT	61	3002506114	15P 20S 37E		3970			279325			1467	
SEMU TUBB	70	3002506115	15I 20S 37E	81629	168457		694135	3419180		66178	478021	
STATE O	1	3002506116	16J 20S 37E W2 NW SE	59223			720345			28053		
HANSEN STATE	3	3002506126	16A 20S 37E W2 NE NE				2337		477	2450		
HANSEN STATE	5	3002506128	16H 20S 37E	76711			208565			50047		
BRITT B	18	3002506090	16N 20S 37E	115333			807459			9918		
BRITT B	19	3002506112	16B 20S 37E	168815			563131			31881		
L VAN ETEN	11	3002506117	9I 20S 37E C NE SE	68230			768554			12149		
BRITT B	20	3002506199	10L 20S 37E SW NW SW	165126			914206			8573		
APACHE STATE O	4	3002506358	16I 20S 37E C NE SE	90226			587491			15157		
BARBER ADKINS B	1	3002506368	8D 20S 37E C NW NW	12561			136884			20333		
JW COOPER	1	3002506452	3F 20S 37E	214242			3273869			18405		
HANSEN STATE	6	3002506535	16Q 20S 37E E2 SW NE	23027			96987			5697		
ELLEN WEIR	1	3002506589	3L 20S 37E	1509								
BRITT B	23	3002506648	3K 20S 37E	22550			97008			3438		
BRITT B	21	3002506649	10J 20S 37E	146685			1028450			16700		
SEMU BLINEBRY TUBB	85	3002506855	15H 20S 37E	152781			754197			31550		
E H B PHILLIPS B	1	3002509394	10F 20S 37E	203280			2110348			14763		
E H B PHILLIPS B	2	3002509335	10G 20S 37E	86676	38591		928515	354448		12783	8981	
E H B PHILLIPS C	1	3002521052	10A 20S 37E	9777			28534			761		
BRITT B	22	3002521064	10P 20S 37E	168908			770695			104293		
LAUGHLIN	1	3002521652	9H 20S 37E	53957			462225			81899		
BRITT PHILLIPS	1	3002521653	10E 20S 37E	24176			1093722			5219		
L VAN ETEN	12	3002521773	9Q 20S 37E NW SW SE	3538			1009082			125654		
V LAUGHLIN	4	3002521926	9A 20S 37E	39976			172680			7415		
T ANDERSON	4	3002525282	8I 20S 37E	1781			8000			19238		
BRITT B	26	3002526486	15M 20S 37E	47354			221652			121654		
BRITT B	27	3002526841	15G 20S 37E		45786	142016		548219	7522368		24487	12341
ANDERSON	1	3002529962	8O 20S 37E SW SE	12260			20946			101798		
BRITT B	28	3002530470	15K 20S 37E NE NE SW	13673	2604	3917	241939	385173	252835	56745	42572	49198
COOPER	1	3002530577	3 20S 37E C NW NE	2591			1745439			1344		
GENERAL O STATE	3	3002530865	16D 20S 37E NW NW NW	2515			58419			45665		
L VAN ETEN	13	3002531727	9K 20S 37E SE NE SW	821		16793	368786		62692	2997	5342	
L VAN ETEN	14	3002532518	9M 20S 37E NE SW SW	1584		14009	197084		188770	18214	25609	
L VAN ETEN	15	3002532880	9N 20S 37E N2 SE SW									
L VAN ETEN	16	3002532881	9L 20S 37E									
E H B PHILLIPS B	3	3002533015	10C 20S 37E C NE NW	1134			8299			1168		
W H LAUGHLIN	7	3002533141	9E 20S 37E	38990			391696			94255		
THEODORE ANDERSON	10	3002533236	8P 20S 37E									
STATE CC 16	1	3002533264	16C 20S 37E	1966		23309	63910		95278	6687	557143	
T ANDERSON	5	3002533296	8I 20S 37E									
STATE H	1	3002533687	3H 20S 37E		79258			239843			4504	
BRITT B	32	3002533906	10M 20S 37E C SW SW		122368			650196			215090	
BERTHA BARBER	16	3002533919	5K 20S 37E NW NE SW	33442		88931	85789		317485	3104	1808	
HANSEN STATE	7	3002533967	16B 20S 37E			169972			690771		394248	
STATE A	1	3002533970	3 20S 37E				1616668			770		
STATE H	2	3002533971	3 20S 37E			131041		1976382			9137	
E H B PHILLIPS C	2	3002533989	10H 20S 37E				2563		471863		12343	
THEODORE ANDERSON	12	3002534021	6P 20S 37E SE SE SE		1945	21897		3617	436609		5642	48086
LAUGHLIN	2	3002534067	9Q 20S 37E SW SW NE	9753			116802			31187		
APACHE STATE O	7	3002534182	16J 20S 37E NE NW SE	10400		21877	22530		43361	15971	15907	
HANSEN STATE	8	3002534203	16Q 20S 37E C SW NE			8783			248155			
BERTHA BARBER	17	3002534204	5F 20S 37E SW SE NW	85128		3182	590308		13432	10070	1245	
J COOPER	1	3002534206	3 20S 37E NW NE		130733			1583874	19262		2088	
STATE A J	3	3002534207	3I 20S 37E NE SE	28839			788927			21092		
THEODORE ANDERSON	14	3002534281	17A 20S 37E			3537			10270		4952	
HANSEN STATE	9	3002534286	16 20S 37E SE SE NE			14735			301315		6302	
JW COOPER	5	3002534292	3 20S 37E NE NW NE						55457			
J COOPER	2	3002534295	3G 20S 37E SW NE		83528			677348			1408	
STATE A J	4	3002534308	3J 20S 37E NW SE	31537			559607			12000		
BERTHA BARBER	18Y	3002534327	5L 20S 37E SE NW SW	24837		3565	134986		70677	195999	29732	
W H LAUGHLIN	8	3002534341	9F 20S 37E NW SE NW		2543	16152		10622	178085		95345	14920
L VAN ETEN	19	3002534528	9 20S 37E SE SW SE	1530	191	8512	106	1327	18095	2684	2684	9640





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-102  
 Permit 120468

**Oil Conservation Division****1220 S. St Francis Dr.****Santa Fe, NM 87505****WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-025-39909	2. Pool Code 96764	3. Pool Name MONUMENT; ABO, SOUTHEAST
4. Property Code 306624	5. Property Name W H LAUGHLIN	6. Well No. 011
7. OGRID No. 873	8. Operator Name APACHE CORP	9. Elevation 3546

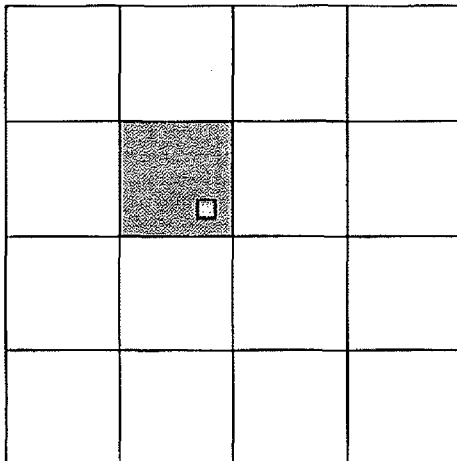
**10. Surface Location**

UL - Lot F	Section 9	Township 20S	Range 37E	Lot Idn	Feet From 2310	N/S Line N	Feet From 2310	E/W Line W	County LEA
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**11. Bottom Hole Location If Different From Surface**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 40.00	13. Joint or Infill	14. Consolidation Code	15. Order No.						

**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**

**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(s) 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.*

E-Signed By: Bobby Smith

Title:

Date: 9/16/2010

**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.*

Surveyed By: Ronald Eidson

Date of Survey: 8/16/2010

Certificate Number: 3239

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

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1000 Rio Brazos Rd., Aztec, NM 87410

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102  
 Permit 120468

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-025-39909	2. Pool Code 57000	3. Pool Name SKAGGS;DRINKARD
4. Property Code 306624	5. Property Name W H LAUGHLIN	6. Well No. 011
7. OGRID No. 873	8. Operator Name APACHE CORP	9. Elevation 3546

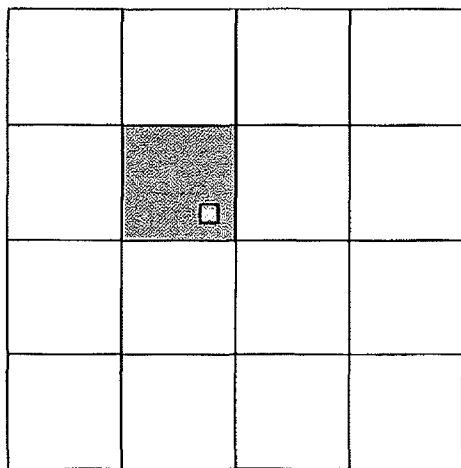
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E-Signed By: Bobby Smith

Title:

Date: 9/16/2010

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102  
 Permit 120468

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-025-39909	2. Pool Code 47090	3. Pool Name MONUMENT;TUBB
4. Property Code 306624	5. Property Name W H LAUGHLIN	6. Well No. 011
7. OGRID No. 873	8. Operator Name APACHE CORP	9. Elevation 3546

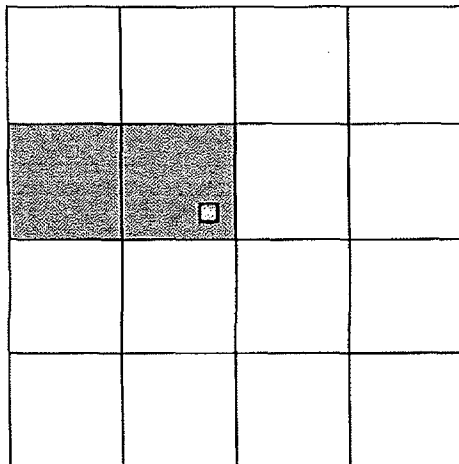
**10. Surface Location**

UL - Lot F	Section 9	Township 20S	Range 37E	Lot Idn	Feet From 2310	N/S Line N	Feet From 2310	E/W Line W	County LEA
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**11. Bottom Hole Location If Different From Surface**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 80.00		13. Joint or Infill		14. Consolidation Code		15. Order No.			

**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**

**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(s) 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.*

E-Signed By: Bobby Smith

Title:

Date: 9/16/2010

**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.*

Surveyed By: Ronald Eidson

Date of Survey: 8/16/2010

Certificate Number: 3239