

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-8161 Fax:(575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form C-101  
August 1, 2011  
Permit 188146

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

1. Operator Name and Address ARMSTRONG ENERGY CORP P.O. Box 1973 Roswell, NM 88202		2. OGRID Number 1092
4. Property Code 313409		3. API Number 30-041-20963
5. Property Name HARD DAYS NIGHT		6. Well No. 001

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	10	06S	33E	N	475	S	1705	W	Roosevelt

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	10	06S	33E	N	475	S	1705	W	Roosevelt

**9. Pool Information**

TANNEYHILL;FUSSELMAN, EAST	58067
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**Additional Well Information**

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 4400
16. Multiple N	17. Proposed Depth 8200	18. Formation Fussleman	19. Contractor	20. Spud Date 9/1/2014
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	40	25	0
Surf	12.25	8.625	24	2300	1030	0
Surf	12.25	8.625	32	200	100	0
Surf	12.25	8.625	32	2440	60	0
Prod	7.875	5.5	17	8200	60	6000
Prod	7.875	5.5	17	8000	290	6000
Prod	7.875	5.5	17	250	0	6000

**Casing/Cement Program: Additional Comments**

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**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	2000	1000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable.  Signature: _____ Printed Name: Electronically filed by Irma Cunningham Title: Geo Tech Email Address: icunningham@armstrongenergycorp.com Date: 6/23/2014	<div style="text-align: center;"><b>OIL CONSERVATION DIVISION</b></div> Approved By: Paul Kautz Title: Geologist Approved Date: 6/26/2014 Expiration Date: 6/26/2016 Conditions of Approval Attached
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**Santa Fe, NM 87505**

Form C-102  
August 1, 2011  
Permit 188146

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-041-20963	2. Pool Code 58067	3. Pool Name TANNEYHILL;FUSSELMAN, EAST
4. Property Code 313409	5. Property Name HARD DAYS NIGHT	6. Well No. 001
7. OGRID No. 1092	8. Operator Name ARMSTRONG ENERGY CORP	9. Elevation 4400

**10. Surface Location**

UL - Lot N	Section 10	Township 06S	Range 33E	Lot Idn N	Feet From 475	N/S Line S	Feet From 1705	E/W Line W	County Roosevelt
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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**

<table border="1" style="width: 100%; height: 150px; border-collapse: collapse;"> <tr><td style="width: 25%; height: 40px;"></td><td style="width: 25%; height: 40px;"></td><td style="width: 25%; height: 40px;"></td><td style="width: 25%; height: 40px;"></td></tr> <tr><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td></tr> <tr><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td></tr> <tr><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td></tr> </table>																	<p style="text-align: center;"><b>OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(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.</i></p> <p>E-Signed By:      Irma Cunningham Title:                Geo Tech Date:                 6/23/2014</p> <hr/> <p style="text-align: center;"><b>SURVEYOR CERTIFICATION</b></p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>Surveyed By:        Chad Harcrow Date of Survey:     6/10/2014 Certificate Number: 17777</p>

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**Santa Fe, NM 87505**

Form APD Comments  
  
Permit 188146

**PERMIT COMMENTS**

Operator Name and Address: ARMSTRONG ENERGY CORP [1092] P.O. Box 1973 Roswell, NM 88202		API Number: 30-041-20963
		Well: HARD DAYS NIGHT #001

Created By	Comment	Comment Date
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Form APD Conditions

Permit 188146

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: ARMSTRONG ENERGY CORP [1092] P.O. Box 1973 Roswell, NM 88202	API Number: 30-041-20963
	Well: HARD DAYS NIGHT #001

OCD Reviewer	Condition
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
pkautz	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.