

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 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 185407

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 313181		3. API Number 30-041-20960
5. Property Name TOUCH OF GREY STATE		6. Well No. 001

7. Surface Location

UL - Lot	L	Section	15	Township	06S	Range	34E	Lot Idn		Feet From	1940	N/S Line	S	Feet From	976	E/W Line	W	County	Roosevelt
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8. Proposed Bottom Hole Location

UL - Lot	L	Section	15	Township	06S	Range	34E	Lot Idn	L	Feet From	1940	N/S Line	S	Feet From	976	E/W Line	W	County	Roosevelt
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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 State	15. Ground Level Elevation 4353
16. Multiple N	17. Proposed Depth 8100	18. Formation Fussleman	19. Contractor	20. Spud Date 7/1/2014
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	1750	990	0
Prod	7.875	5.5	17	8100	220	1550
Prod	7.875	5.5	15.5	6700	110	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:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Irma Cunningham	Approved By: Paul Kautz
Title: Geo Tech	Title: Geologist
Email Address: icunningham@armstrongenergycorp.com	Approved Date: 4/30/2014 Expiration Date: 4/30/2016
Date: 4/30/2014 Phone: 575-625-2222	Conditions of Approval Attached

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Form APD Comments

Permit 185407

PERMIT COMMENTS

Operator Name and Address: ARMSTRONG ENERGY CORP [1092] P.O. Box 1973 Roswell, NM 88202		API Number: 30-041-20960
		Well: TOUCH OF GREY STATE #001
Created By	Comment	Comment Date
pkautz	See conditions of approval concerning changes in casing set depth and top of cement requirements	4/30/2014

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Form APD Conditions

Permit 185407

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: ARMSTRONG ENERGY CORP [1092] P.O. Box 1973 Roswell, NM 88202	API Number: 30-041-20960
	Well: TOUCH OF GREY STATE #001

OCD Reviewer	Condition
pkautz	1) SURFACE - Cement must circulate to surface – 2) PRODUCTION CASING - Cement must tie back into surface casing –
pkautz	Surface casing must not be set more than 25' below top of Rustler Anhydrite in order to seal off protectable water from the salt zone. Approximate depth of Rustler Anhydrite is 1750'