<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

Phone:(575) 393-6161 Fax:(575) 393-0720 <u>District II</u>:
311 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 <u>District III</u>:
1000 Rio Brazos Rd., Azteo, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 <u>District IV</u>:
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 196435

1. Operator Name and Address MACK ENERGY CORP PO Box 960								IN SECTION	ID Number 13837	
PO Box 960 Artesia, NM 88211								3. API N	30-025-42313	
Property Code 5. Property Name								6. Well N		
3974	2		NORWAY STA	TE					002	
				7. Surf	ace Location					
- Lot O	Section 36	Township 21S	Range 36E	Lot Idn	Feet From 1140	N/S Line S	Feet From	2290	E/W Line	County
				8. Proposed B	ottom Hole Location	n				
- Lot O	Section 36	Township 21S	Range 36E	Lot Idn O	Feet From 965	N/S Line S	Feet From	n 2285	E/W Line	County
U	30	218	30E	0	900	5	33	2285	E	L
				9. Poo	Information					
INKARD				12.501.00		19190				
				Additional	Well Information					
Work Type New	Well	12. Well Type OIL		3. Cable/Rotary	14. Le	ease Type State	15.	Ground Leve 350		
. Multiple		17. Proposed Dept	th 18	8. Formation	19. Co	ontractor	20.	Spud Date	12/2044	
N 7850			Drinkard		12/12/20					
	water sing a closed-loop	system in lieu of	lined pits	istance from nearest fi		agram	Dis	ance to near	rest surface water	
Ve will be us	sing a closed-loop		lined pits	1. Proposed Casi	ng and Cement Pro				rest surface water	
		O system in lieu of Casing Size 8.625	lined pits				Sacks	of Cement	rest surface water	Estimated TOC
e will be us	sing a closed-loop	Casing Size	lined pits	1. Proposed Casi	ng and Cement Pro		Sacks (of Cement	rest surface water	
Type Surf	sing a closed-loop Hole Size 12.25	Casing Size 8.625	lined pits	1. Proposed Casi sing Weight/ft 32 17	ng and Cement Pro Setting Dep 1200 7850	pth	Sacks (of Cement 175	rest surface water	0
Type Surf	Hole Size 12.25 7.875	Casing Size 8.625 5.5	lined pits 2 Cas	1. Proposed Casi sing Weight/ft 32 17 sing/Cement Prog	ng and Cement Pro	pth	Sacks 6	of Cement 175 1645		0
Type Surf	Hole Size 12.25 7.875	Casing Size 8.625 5.5	Cas	1. Proposed Casising Weight/ft 32 17 sing/Cement Progrand cement. Drill a	ng and Cement Pro Setting Deg 1200 7850 840 840 850 877/8" hole to 7850"	mments , run 5 1/2" casi	Sacks 6	of Cement 175 1645		0
Type Surf	Hole Size 12.25 7.875 proposes to drill a 1.	Casing Size 8.625 5.5	Cast, run 8 5/8" casing 2	1. Proposed Casi sing Weight/ft 32 17 sing/Cement Prog and cement. Drill a 2. Proposed Blow	ng and Cement Pro Setting Dep 1200 7850 ram: Additional Col	mments , run 5 1/2" casi	Sacks (6 1	of Cement 175 1645	ell on production.	0
Type Surf Prod	Hole Size 12.25 7.875	Casing Size 8.625 5.5	Cast, run 8 5/8" casing 3	1. Proposed Casising Weight/ft 32 17 sing/Cement Progrand cement. Drill a	ng and Cement Pro Setting Deg 1200 7850 840 840 850 877/8" hole to 7850"	mments , run 5 1/2" casi	Sacks (6 1 1 ng and cem	of Cement 175 1645	ell on production.	0
Type Surf Prod	Hole Size 12.25 7.875 proposes to drill a 1: Type Double Ram	Casing Size 8.625 5.5 2 1/4" hole to 1200	Cast, run 8 5/8" casing a	1. Proposed Casising Weight/ft 32 17 Sing/Cement Progrand cement. Drill a 2. Proposed Blowing Pressure 3000	ng and Cement Pro Setting Deg 1200 7850 840 840 850 877/8" hole to 7850"	mments , run 5 1/2" casi	Sacks (6 1 1 ng and cem	of Cement 175 1645	ell on production.	0
Type Surf Prod Suck Energy p	Hole Size 12.25 7.875 proposes to drill a 1: Type Double Ram rtify that the informal d belief. fy I have complied	Casing Size 8.625 5.5 5.5 2 1/4" hole to 1200'	Cas , run 8 5/8" casing a Workin	11. Proposed Casising Weight/ft 32 17 sing/Cement Progrand cement. Drill a 2. Proposed Blowing Pressure 3000 to the best of my	ng and Cement Pro Setting Deg 1200 7850 840 840 850 877/8" hole to 7850"	mments , run 5 1/2" casi ogram Test Pres 3000	Sacks (6 1 1 ng and cem	of Cement 175 645 ent. Put we	ell on production.	0
Type Surf Prod I hereby celebyledge and urther certifiac X, if apparature:	Hole Size 12.25 7.875 proposes to drill a 1. Type Double Ram rtify that the informad belief. by I have complied opplicable.	Casing Size 8.625 5.5 2 1/4" hole to 1200' ation given above is with 19.15.14.9 (A	Cas , run 8 5/8" casing a Workin	11. Proposed Casising Weight/ft 32 17 sing/Cement Progrand cement. Drill a 2. Proposed Blowing Pressure 3000 to the best of my	ng and Cement Pro Setting Deg 1200 7850 ram: Additional Cor 7 7/8" hole to 7850'; rout Prevention Pro	mments , run 5 1/2" casi ogram Test Pres 3000	Sacks (1 1 ng and cem sure)	of Cement 175 645 ent. Put we	ell on production.	0
Type Surf Prod I hereby celebyledge and inther certifiac X, if applications in the certification of the certifica	Hole Size 12.25 7.875 proposes to drill a 1. Type Double Ram ritify that the informad belief. fy I have complied oplicable. Electronically	Casing Size 8.625 5.5 2 1/4" hole to 1200' ation given above is with 19.15.14.9 (A	Cas , run 8 5/8" casing a Workin	11. Proposed Casising Weight/ft 32 17 sing/Cement Progrand cement. Drill a 2. Proposed Blowing Pressure 3000 to the best of my	ng and Cement Pro Setting Dep 1200 7850 7850 ram: Additional Cor 77/8" hole to 7850", rout Prevention Pro	mments , run 5 1/2" casi ogram Test Pres 3000	Sacks (1 1 ng and cem sure)	of Cement 175 645 ent. Put we	ell on production.	0
Type Surf Prod I hereby celowledge and urther certifind AC X, if appropriature: nted Name: e:	Hole Size 12.25 7.875 proposes to drill a 1. Type Double Ram ritify that the informated belief. fy I have complied opticable. Electronically Production Cl	Casing Size 8.625 5.5 2 1/4" hole to 1200' ation given above is with 19.15.14.9 (A	Cas , run 8 5/8" casing a Workin	11. Proposed Casising Weight/ft 32 17 sing/Cement Progrand cement. Drill a 2. Proposed Blowing Pressure 3000 to the best of my	ng and Cement Pro Setting Dep 1200 7850 ram: Additional Cor 7 7/8" hole to 7850" rout Prevention Pro Approved By: Title:	mments , run 5 1/2" casi ogram Test Pres 3000 C	Sacks (1 1 ng and cem sure)	of Cement 175 645 ent. Put we	ell on production. Manuarian	0 0
Type Surf Prod Ack Energy p	Hole Size 12.25 7.875 proposes to drill a 1. Type Double Ram ritify that the informad belief. fy I have complied oplicable. Electronically	Casing Size 8.625 5.5 2 1/4" hole to 1200' ation given above is with 19.15.14.9 (A	Cas , run 8 5/8" casing a Workin	11. Proposed Casising Weight/ft 32 17 sing/Cement Progrand cement. Drill a 2. Proposed Blowng Pressure 3000 to the best of my 19.15.14.9 (B)	ng and Cement Pro Setting Dep 1200 7850 7850 ram: Additional Cor 77/8" hole to 7850", rout Prevention Pro	mments , run 5 1/2" casi ogram Test Pres 3000 O Paul Kautz Geologist 12/8/2014	Sacks 6 1 1 ng and cem	of Cement 175 645 ent. Put we	ell on production.	0 0

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

District III

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 III

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-102 August 1, 2011

Permit 196435

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. Pool Name
30-025-42313	19190	DRINKARD
4. Property Code	5. Property Name	6. Well No.
39742	NORWAY STATE	002
7. OGRID No.	8. Operator Name	9. Elevation
13837	MACK ENERGY CORP	3501

10. Surface Location

UL - Lo	ot O	Section 36	Township 21S	Range 36E	Lot Idn	Feet From 1140	N/S Line S	Feet From 2290	E/W Line E	County Lea

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
0	36	218	36E		965	S	2285	E	Lea
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

2	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: Jerry Sherrell
	Title: Production Clerk
	Date: 12/5/2014
	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.
	the same is due and correct to the best or my vener.
	Surveyed By: Filimon Jaramillo
	Date of Survey: 12/2/2014
	Certificate Number: 12797

Form APD Comments

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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

Permit 196435

PERMIT COMMENTS

Operator Name and Address:	API Number:
MACK ENERGY CORP [13837]	30-025-42313
PO Box 960	Well:
Artesia, NM 88211	NORWAY STATE #002

Created By	Comment	Comment Date
JWSHERRELL	H2S concentrations of wells in this are from surface to TD are low enough that a contingency plan is not required.	12/5/2014

Form APD Conditions

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Permit 196435

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
MACK ENERGY CORP [13837]	30-025-42313
PO Box 960	Well:
Artesia, NM 88211	NORWAY STATE #002

OCD Reviewer	Condition
DMULL	Will require a directional survey with the C-104
DMULL	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.
pkautz	SURFACE & PRODUCTION CASING - Cement must circulate to surface
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water