

State of New Mexico

DISTRICT I

1625 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

Form C-102

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Revised JUNE 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
		Abo
Property Code	Property Name	Well Number
	TRINITY STATE	1
OGRID No.	Operator Name	Elevation
013837	MACK ENERGY CORPORATION	3795'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	28	17-S	24-E		660	SOUTH	660	EAST	EDDY

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	Joint or Infill	Consolidation Code	Order No.
320			

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 the the information contained herein is true and complete to the best of my knowledge and belief. <i>Jerry W. Sherrell</i> Signature Jerry W. Sherrell Printed Name Production Clerk Title 6/22/2005 Date
	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. JUNE 7, 2005 Date Surveyed Signature & Seal of Professional Surveyor GARY EIDSON 05.11.0860 Certified No. GARY EIDSON 12641
	RECEIVED JUN 22 2005 OGD-ARTESIA
	Project Area Production Area GEODETIC COORDINATES NAD 27 NME Y=655178.8 N X=422102.5 E LAT.=32°48'03.31" N LONG.=104°35'12.65" W

Scientific Drilling Planning Report

Company: Mack Energy
Field: Section 2B Trinity
Site: Eddy County, NM
Well: Trinity State #1
Wellpath: Lateral

Date: 2005-06-16 Time: 11:14:37 Page: 1
Co-ordinate(NE) Reference: Well: Trinity State #1, Grid North
Vertical (TVD) Reference: GL 3795+16= 3811.0
Section (VS) Reference: Well (0.00N,0.00E,0.00Azi)
Plan: Plan #1

Field: Section 2B Trinity
Section 2B T17S R24E

Map System:US State Plane Coordinate System 1927
Geo Datum: NAD27 (Clarke 1866)
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
Coordinate System: Well Centre
Geomagnetic Model: igrf2005

Site: Eddy County, NM

Site Position:	Northing:	655178.87 ft	Latitude:	32 48 3.310 N
From: Geographic	Easting:	422102.71 ft	Longitude:	104 35 12.650 W
Position Uncertainty:	0.00 ft		North Reference:	Grid
Ground Level:	0.00 ft		Grid Convergence:	-0.14 deg

Well: Trinity State #1

Slot Name:

Well Position:	+N/-S	0.00 ft	Northing:	655178.87 ft	Latitude:	32	48	3.310 N
	+E/-W	0.00 ft	Easting :	422102.71 ft	Longitude:	104	35	12.650 W
Position Uncertainty:		0.00 ft						

Wellpath: Lateral

Drilled From:	Surface
Tie-on Depth:	0.00 ft
Above System Datum:	Mean Sea Level
Declination:	8.79 deg
Mag Dip Angle:	60.68 deg
+E/-W	Direction
ft	deg

Current Datum:	GL 3795+16=	Height	3811.00	ft
Magnetic Data:	2005-06-15			
Field Strength:	49484	nT		
Vertical Section:	Depth From (TVD)		+N/-S	
	ft		ft	
	0.00		0.00	

RECEIVED

JUN 22 2005

VOV-ARTESIA

Plan: Plan #1

Date Composed: 2005-06-15
Version: 1
Tied-to: From Surface

Principal: Yes

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4725.00	0.00	0.00	4725.00	0.00	0.00	0.00	0.00	0.00	0.00	
5023.45	90.00	0.00	4915.00	190.00	0.00	30.16	30.16	0.00	0.00	
5043.83	93.26	0.00	4914.42	210.37	0.00	16.00	16.00	0.00	0.00	
5824.73	93.26	0.00	4870.00	990.00	0.00	0.00	0.00	0.00	0.00	TGT1
5856.46	88.18	0.00	4869.60	1021.72	0.00	16.00	-16.00	0.00	180.00	
6815.22	88.18	0.00	4900.00	1980.00	0.00	0.00	0.00	0.00	0.00	TGT2
6839.53	92.07	0.00	4899.95	2004.30	0.00	16.00	16.00	0.00	0.00	
7805.86	92.07	0.00	4865.00	2970.00	0.00	0.00	0.00	0.00	0.00	TGT3
7826.62	88.75	0.00	4864.85	2990.76	0.00	16.00	-16.00	0.00	180.00	
8796.09	88.75	0.00	4886.00	3960.00	0.00	0.00	0.00	0.00	0.00	BHL

Section 1 : Start Hold

[illegible]



Scientific Drilling Planning Report

Company: Mack Energy
Field: Section 2B Trinity
Site: Eddy County, NM
Well: Trinity State #1
Wellpath: Lateral

Date: 2005-06-16 Time: 11:14:37 Page: 2
Co-ordinate(NE) Reference: Well: Trinity State #1, Grid North
Vertical (TVD) Reference: GL 3795+16= 3811.0
Section (VS) Reference: Well (0.00N,0.00E,0.00Azi)
Plan: Plan #1

Section 1 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4600.00	0.00	0.00	4600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4700.00	0.00	0.00	4700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4725.00	0.00	0.00	4725.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 2 : Start Build 30.16

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
4730.00	1.51	0.00	4730.00	0.07	0.00	0.07	30.16	30.16	0.00	0.00
4740.00	4.52	0.00	4739.98	0.59	0.00	0.59	30.16	30.16	0.00	0.00
4750.00	7.54	0.00	4749.93	1.64	0.00	1.64	30.16	30.16	0.00	0.00
4760.00	10.55	0.00	4759.80	3.21	0.00	3.21	30.16	30.16	0.00	0.00
4770.00	13.57	0.00	4769.58	5.30	0.00	5.30	30.16	30.16	0.00	0.00
4780.00	16.59	0.00	4779.24	7.91	0.00	7.91	30.16	30.16	0.00	0.00
4790.00	19.60	0.00	4788.74	11.01	0.00	11.01	30.16	30.16	0.00	0.00
4800.00	22.62	0.00	4798.07	14.61	0.00	14.61	30.16	30.16	0.00	0.00
4810.00	25.63	0.00	4807.19	18.70	0.00	18.70	30.16	30.16	0.00	0.00
4820.00	28.65	0.00	4816.09	23.26	0.00	23.26	30.16	30.16	0.00	0.00
4830.00	31.66	0.00	4824.74	28.28	0.00	28.28	30.16	30.16	0.00	0.00
4840.00	34.68	0.00	4833.11	33.75	0.00	33.75	30.16	30.16	0.00	0.00
4850.00	37.69	0.00	4841.18	39.66	0.00	39.66	30.16	30.16	0.00	0.00
4860.00	40.71	0.00	4848.92	45.98	0.00	45.98	30.16	30.16	0.00	0.00
4870.00	43.73	0.00	4856.33	52.70	0.00	52.70	30.16	30.16	0.00	0.00
4880.00	46.74	0.00	4863.37	59.79	0.00	59.79	30.16	30.16	0.00	0.00
4890.00	49.76	0.00	4870.03	67.25	0.00	67.25	30.16	30.16	0.00	0.00
4900.00	52.77	0.00	4876.29	75.05	0.00	75.05	30.16	30.16	0.00	0.00
4910.00	55.79	0.00	4882.12	83.17	0.00	83.17	30.16	30.16	0.00	0.00
4920.00	58.80	0.00	4887.53	91.58	0.00	91.58	30.16	30.16	0.00	0.00
4930.00	61.82	0.00	4892.48	100.27	0.00	100.27	30.16	30.16	0.00	0.00
4940.00	64.83	0.00	4896.97	109.21	0.00	109.21	30.16	30.16	0.00	0.00
4950.00	67.85	0.00	4900.98	118.36	0.00	118.36	30.16	30.16	0.00	0.00



Scientific Drilling Planning Report

Company: Mack Energy
Field: Section 2B Trinity
Site: Eddy County, NM
Well: Trinity State #1
Wellpath: Lateral

Date: 2005-06-16 Time: 11:14:37 Page: 3
Co-ordinate(NE) Reference: Well: Trinity State #1, Grid North
Vertical (TVD) Reference: GL 3795+16= 3811.0
Section (VS) Reference: Well (0.00N,0.00E,0.00Azi)
Plan: Plan #1

Section 2 : Start Build 30.16

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
4960.00	70.87	0.00	4904.50	127.72	0.00	127.72	30.16	30.16	0.00	0.00
4970.00	73.88	0.00	4907.53	137.25	0.00	137.25	30.16	30.16	0.00	0.00
4980.00	76.90	0.00	4910.05	146.93	0.00	146.93	30.16	30.16	0.00	0.00
4990.00	79.91	0.00	4912.06	156.72	0.00	156.72	30.16	30.16	0.00	0.00
5000.00	82.93	0.00	4913.55	166.61	0.00	166.61	30.16	30.16	0.00	0.00
5010.00	85.94	0.00	4914.52	176.56	0.00	176.56	30.16	30.16	0.00	0.00
5020.00	88.96	0.00	4914.97	186.55	0.00	186.55	30.16	30.16	0.00	0.00
5023.45	90.00	0.00	4915.00	190.00	0.00	190.00	30.16	30.16	0.00	0.00

Section 3 : Start Build 16.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5025.00	90.25	0.00	4915.00	191.55	0.00	191.55	16.00	16.00	0.00	0.00
5043.83	93.26	0.00	4914.42	210.37	0.00	210.37	16.00	16.00	0.00	0.00

Section 4 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5100.00	93.26	0.00	4911.23	266.45	0.00	266.45	0.00	0.00	0.00	0.00
5200.00	93.26	0.00	4905.54	366.28	0.00	366.28	0.00	0.00	0.00	0.00
5300.00	93.26	0.00	4899.85	466.12	0.00	466.12	0.00	0.00	0.00	0.00
5400.00	93.26	0.00	4894.16	565.96	0.00	565.96	0.00	0.00	0.00	0.00
5500.00	93.26	0.00	4888.47	665.80	0.00	665.80	0.00	0.00	0.00	0.00
5600.00	93.26	0.00	4882.78	765.64	0.00	765.64	0.00	0.00	0.00	0.00
5700.00	93.26	0.00	4877.09	865.48	0.00	865.48	0.00	0.00	0.00	0.00
5800.00	93.26	0.00	4871.41	965.31	0.00	965.31	0.00	0.00	0.00	0.00
5824.73	93.26	0.00	4870.00	990.00	0.00	990.00	0.00	0.00	0.00	0.00

Section 5 : Start Drop -16.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5850.00	89.22	0.00	4869.45	1015.26	0.00	1015.26	16.00	-16.00	0.00	180.00
5856.46	88.18	0.00	4869.60	1021.72	0.00	1021.72	16.00	-16.00	0.00	-180.00

Section 6 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5900.00	88.18	0.00	4870.98	1065.24	0.00	1065.24	0.00	0.00	0.00	0.00
6000.00	88.18	0.00	4874.15	1165.19	0.00	1165.19	0.00	0.00	0.00	0.00
6100.00	88.18	0.00	4877.32	1265.14	0.00	1265.14	0.00	0.00	0.00	0.00
6200.00	88.18	0.00	4880.49	1365.09	0.00	1365.09	0.00	0.00	0.00	0.00
6300.00	88.18	0.00	4883.66	1465.04	0.00	1465.04	0.00	0.00	0.00	0.00
6400.00	88.18	0.00	4886.83	1564.99	0.00	1564.99	0.00	0.00	0.00	0.00
6500.00	88.18	0.00	4890.01	1664.94	0.00	1664.94	0.00	0.00	0.00	0.00
6600.00	88.18	0.00	4893.18	1764.89	0.00	1764.89	0.00	0.00	0.00	0.00
6700.00	88.18	0.00	4896.35	1864.84	0.00	1864.84	0.00	0.00	0.00	0.00
6800.00	88.18	0.00	4899.52	1964.79	0.00	1964.79	0.00	0.00	0.00	0.00
6815.22	88.18	0.00	4900.00	1980.00	0.00	1980.00	0.00	0.00	0.00	0.00

Section 7 : Start Build 16.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
6825.00	89.75	0.00	4900.18	1989.78	0.00	1989.78	16.00	16.00	0.00	0.00
6839.53	92.07	0.00	4899.95	2004.30	0.00	2004.30	16.00	16.00	0.00	0.00



Scientific Drilling Planning Report

Company: Mack Energy
Field: Section 2B Trinity
Site: Eddy County, NM
Well: Trinity State #1
Wellpath: Lateral

Date: 2005-06-16 Time: 11:14:37 Page: 4
Co-ordinate(NE) Reference: Well: Trinity State #1, Grid North
Vertical (TVD) Reference: GL 3795+16= 3811.0
Section (VS) Reference: Well (0.00N,0.00E,0.00Azi)
Plan: Plan #1

Section 8 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
6900.00	92.07	0.00	4897.76	2064.73	0.00	2064.73	0.00	0.00	0.00	180.00
7000.00	92.07	0.00	4894.14	2164.67	0.00	2164.67	0.00	0.00	0.00	180.00
7100.00	92.07	0.00	4890.53	2264.60	0.00	2264.60	0.00	0.00	0.00	180.00
7200.00	92.07	0.00	4886.91	2364.54	0.00	2364.54	0.00	0.00	0.00	180.00
7300.00	92.07	0.00	4883.29	2464.47	0.00	2464.47	0.00	0.00	0.00	180.00
7400.00	92.07	0.00	4879.68	2564.41	0.00	2564.41	0.00	0.00	0.00	180.00
7500.00	92.07	0.00	4876.06	2664.34	0.00	2664.34	0.00	0.00	0.00	180.00
7600.00	92.07	0.00	4872.44	2764.28	0.00	2764.28	0.00	0.00	0.00	180.00
7700.00	92.07	0.00	4868.83	2864.21	0.00	2864.21	0.00	0.00	0.00	180.00
7805.86	92.07	0.00	4865.00	2970.00	0.00	2970.00	0.00	0.00	0.00	180.00

Section 9 : Start Drop -16.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
7826.62	88.75	0.00	4864.85	2990.76	0.00	2990.76	16.00	-16.00	0.00	180.00

Section 10 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
7900.00	88.75	0.00	4866.45	3064.12	0.00	3064.12	0.00	0.00	0.00	180.00
8000.00	88.75	0.00	4868.63	3164.10	0.00	3164.10	0.00	0.00	0.00	180.00
8100.00	88.75	0.00	4870.81	3264.07	0.00	3264.07	0.00	0.00	0.00	180.00
8200.00	88.75	0.00	4873.00	3364.05	0.00	3364.05	0.00	0.00	0.00	180.00
8300.00	88.75	0.00	4875.18	3464.03	0.00	3464.03	0.00	0.00	0.00	180.00
8400.00	88.75	0.00	4877.36	3564.00	0.00	3564.00	0.00	0.00	0.00	180.00
8500.00	88.75	0.00	4879.54	3663.98	0.00	3663.98	0.00	0.00	0.00	180.00
8600.00	88.75	0.00	4881.72	3763.95	0.00	3763.95	0.00	0.00	0.00	180.00
8700.00	88.75	0.00	4883.90	3863.93	0.00	3863.93	0.00	0.00	0.00	180.00
8796.09	88.75	0.00	4886.00	3960.00	0.00	3960.00	0.00	0.00	0.00	180.00