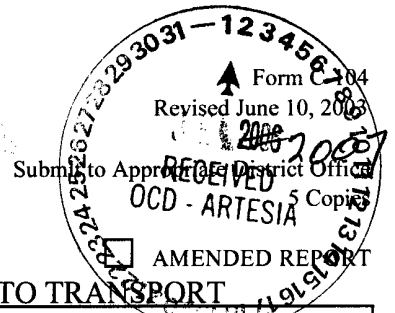


District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 882 10
District III
1000 Fio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 8756;



1. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address Mack Energy Corporation PO Box 960 Artesia, NM 88211-0960		2 OGRID Number 013837
		3 Reason for Filing Code/ Effective Date NW
4 API Number 30-015-35011	5 Pool Name Four Mile Draw Wolfcamp (G)	6 Pool Code 97415
7 Property Code 35844	8 Property Name Chief State	9 Well Number 1

II. Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
D	28	18S	23E		660	North	660	West	Eddy

11 Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	28	18S	23E		660	South	664	West	Eddy
12 Lse Code S	* Producing Method Code F	* Gas Connection Date 11/9/06	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date				

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 POD	21 O/G	22 POD ULSTR Location and Description
015694	Navajo Refining PO Box 159 Artesia, NM 88211-0159	0104237	O	Unit D, Sec. 28 T18S R23E
147831	Agave Energy 105 South 4th Street Artesia, NM 88210	0104238		Unit D, Sec. 28 T18S R23E

IV. Produced Water

23 POD 0104239	24 POD ULSTR Location and Description Unit D, Sec. 28 T18S R23E
-------------------	--

V. Well Completion Data

25 Spud Date 8/4/06	26 Ready Date 11/9/06	27 TD 8266	28 PBTD 8247	29 Perforations 4869-8041'	30 DHC, MC
31 Hole Size	32 Casing & Tubing Size	33 Depth Set	34 Sacks Cement		
17 1/2	13 3/8	443	980sx		
12 1/4	9 5/8	1435	1180sx		
7 7/8	5 1/2	8262	1880sx		
	2 3/8	4036			

VI. Well Test Data

35 Date New Oil 11/25/06	36 Gas Delivery Date 11/25/06	37 Test Date 12/14/06	38 Test Length 24 hours	39 Tbg. Pressure	40 Csg. Pressure
41 Choke Size	42 Oil 0	43 Water 23	44 Gas 968	45 AOF	46 Test Method F
47 I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Jerry W. Sherrell</i>			OIL CONSERVATION DIVISION Approved by: BRYAN G. ARRANT DISTRICT II GEOLOGIST		
Printed name: Jerry W. Sherrell			Title:		
Title: Production Clerk			Approval Date: JAN 02 2007		
E-mail Address: jerrys@mackenergycorp.com					
Date: 12/27/06		Phone: (505)748-1288			

30-015-35011-00-00

CHIEF STATE No. 001

Company Name: MACK ENERGY CORP**Location:** Sec: 28 T: 18S R: 23E Spot:
Lat: 32.7242874495429 Long: -104.702834852942**String Information****Property Name:** CHIEF STATE**County Name:** Eddy**Cement Information****Perforation Information**

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Sqz
99999	99999			

Formation Information

St Code	Formation	Depth
Psa	San Andres	546
Pgl	Glorieta	1512
Pytu	Tubb	2862
Pabo	Abo	3516
Pwc	Wolfcamp	4526

Hole: Unknown

TD:

TVD: 0

PBTD:

Silver Oak Drilling, LLC

PO Box 1370
Artesia, NM 88211-1370

September 19, 2006

Mack Energy Corporation
PO Box 960
Artesia, NM 88211-0960

RE: Chief State #1
660' FNL & 660' FWL
Sec. 28, T18S, R23E
Eddy County, New Mexico

Dear Sir,

The following is the Deviation Survey for the above captioned well.

DEPTH	DEVIATION	DEPTH	DEVIATION
370'	1°	2177'	1/4°
597'	1°	2622'	1/2°
965'	3/4°	3067'	1/2°
1345'	1/2°	3544'	3/4°
1606'	3/4°	4031'	1°
1892'	1/4°	4433'	1°

The remainder of the well was drilled directionally and the data will be provided separately.

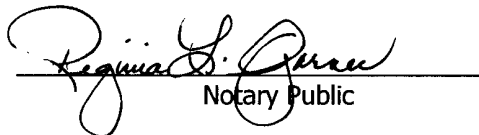
Very truly yours,



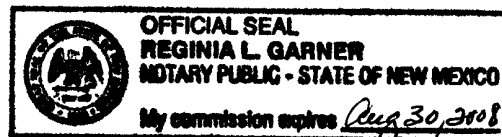
Eddie C. LaRue
Operations Manager

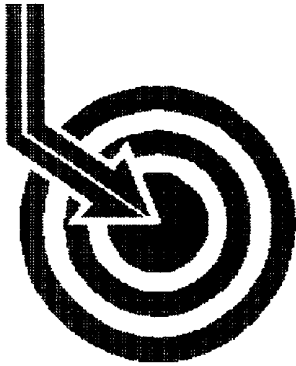
State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 19th day of September, 2006.



Notary Public





Scientific Drilling

MACK ENERGY

Field: Four Mile Draw
Site: Eddy County, NM
Well: Chief State #1H
Wellpath: DH - Job #32D0806677
Survey: 08/18/06-09/11/06

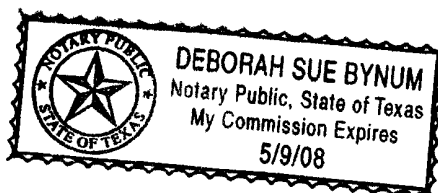
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*R. Wharton*..... Company Representative

Notorized this date 31ST of October, 2006.

Deborah Sue Bynum

Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International Survey Report

Company: MACK ENERGY
Field: Four Mile Draw
Site: Eddy County, NM
Well: Chief State #1H
Wellpath: VH - Job #32K0806668

Date: 10/29/2006 Time: 15:24:08 Page: 1
Co-ordinate(N/E) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,180.00Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 08/18/06
KSRG 0'-4750'
Company: Scientific Drilling Internatio
Tool: Keeper;Keeper Gyro

Start Date: 08/18/2006
Engineer: Guebara/Rando
Tied-to: From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.63	151.01	100.00	0.48	-0.48	0.27	0.63	0.55	151.01
200.00	0.69	151.89	199.99	1.49	-1.49	0.82	0.06	1.70	151.32
300.00	0.77	141.14	299.98	2.55	-2.55	1.52	0.16	2.97	149.15
400.00	0.66	132.21	399.98	3.46	-3.46	2.37	0.15	4.19	145.57
500.00	0.80	115.01	499.97	4.14	-4.14	3.43	0.26	5.38	140.36
600.00	0.79	119.40	599.96	4.78	-4.78	4.66	0.06	6.67	135.68
700.00	0.82	126.99	699.95	5.54	-5.54	5.84	0.11	8.05	133.53
800.00	0.79	126.88	799.94	6.39	-6.39	6.96	0.03	9.45	132.55
900.00	0.80	117.70	899.93	7.13	-7.13	8.13	0.13	10.81	131.24
1000.00	0.68	102.12	999.92	7.57	-7.57	9.32	0.23	12.01	129.09
1100.00	0.61	100.45	1099.91	7.80	-7.80	10.43	0.07	13.02	126.78
1200.00	0.50	91.84	1199.91	7.91	-7.91	11.38	0.14	13.86	124.78
1300.00	0.47	98.59	1299.91	7.98	-7.98	12.23	0.06	14.60	123.14
1400.00	0.45	79.01	1399.90	7.97	-7.97	13.02	0.16	15.26	121.47
1500.00	0.46	83.25	1499.90	7.85	-7.85	13.80	0.04	15.87	119.62
1600.00	0.57	46.59	1599.90	7.46	-7.46	14.56	0.34	16.36	117.12
1700.00	0.43	40.44	1699.89	6.83	-6.83	15.16	0.15	16.63	114.25
1800.00	0.15	37.73	1799.89	6.44	-6.44	15.49	0.28	16.77	112.59
1900.00	0.28	242.35	1899.89	6.45	-6.45	15.35	0.42	16.65	112.80
2000.00	0.09	248.42	1999.89	6.59	-6.59	15.06	0.19	16.44	113.64
2100.00	0.10	232.32	2099.89	6.68	-6.68	14.92	0.03	16.35	114.11
2200.00	0.16	234.50	2199.89	6.81	-6.81	14.74	0.06	16.24	114.80
2300.00	0.38	250.29	2299.89	7.00	-7.00	14.31	0.23	15.93	116.08
2400.00	0.48	263.24	2399.89	7.16	-7.16	13.58	0.14	15.36	117.81
2500.00	0.50	269.52	2499.88	7.22	-7.22	12.73	0.06	14.63	119.55
2600.00	0.65	280.67	2599.88	7.12	-7.12	11.74	0.18	13.73	121.23
2700.00	0.35	264.99	2699.87	7.04	-7.04	10.88	0.33	12.96	122.91
2800.00	0.35	241.79	2799.87	7.21	-7.21	10.30	0.14	12.58	124.98
2900.00	0.31	202.87	2899.87	7.60	-7.60	9.93	0.22	12.51	127.43
3000.00	0.44	172.10	2999.87	8.23	-8.23	9.88	0.23	12.86	129.80
3100.00	0.45	197.31	3099.86	8.99	-8.99	9.81	0.19	13.31	132.48
3200.00	0.40	202.13	3199.86	9.69	-9.69	9.57	0.06	13.61	135.35
3300.00	0.41	198.06	3299.86	10.35	-10.35	9.32	0.03	13.93	137.98
3400.00	0.42	152.86	3399.86	11.01	-11.01	9.38	0.32	14.47	139.58
3500.00	0.55	156.15	3499.85	11.78	-11.78	9.74	0.13	15.29	140.41
3600.00	0.49	181.21	3599.85	12.64	-12.64	9.93	0.23	16.07	141.86
3700.00	0.35	281.78	3699.85	13.01	-13.01	9.62	0.65	16.18	143.51
3800.00	0.31	305.58	3799.85	12.79	-12.79	9.10	0.14	15.69	144.56
3900.00	0.38	338.56	3899.84	12.32	-12.32	8.76	0.21	15.12	144.59
4000.00	0.41	43.27	3999.84	11.75	-11.75	8.89	0.42	14.73	142.91
4100.00	1.04	58.62	4099.83	11.02	-11.02	9.91	0.66	14.82	138.04
4200.00	1.26	59.82	4199.81	9.99	-9.99	11.63	0.22	15.34	130.66
4300.00	1.35	56.40	4299.79	8.79	-8.79	13.57	0.12	16.16	122.93
4400.00	1.33	60.94	4399.76	7.57	-7.57	15.56	0.11	17.31	115.95
4500.00	1.19	57.97	4499.74	6.46	-6.46	17.46	0.15	18.61	110.30
4600.00	1.05	57.96	4599.72	5.42	-5.42	19.11	0.14	19.87	105.84
4700.00	1.09	55.96	4699.70	4.40	-4.40	20.68	0.06	21.14	102.02
4750.00	1.27	60.23	4749.69	3.86	-3.86	21.55	0.40	21.90	100.16



Scientific Drilling International Survey Report

Company: MACK ENERGY	Date: 10/30/2006	Time: 10:46:18	Page: 1
Field: Four Mile Draw	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Chief State #1H	Section (VS) Reference:	Well (0.00N,0.00E,180.00Azi)	
Wellpath: DH - Job #32D0806677	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 08/18/06-09/11/06	Start Date: 08/18/2006
MWD 4067'-8200'	
Company: Scientific Drilling Internatio	Engineer: Johns/Puntney
Tool: MWD;MWD	Tied-to: User Defined

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ChD ft	ChA deg
4067.00	0.83	56.14	4066.80	11.30	-11.30	9.50	0.00	14.76	139.95
4102.00	8.32	176.80	4101.68	13.69	-13.69	9.85	25.06	16.87	144.26
4134.00	12.96	179.60	4133.12	19.59	-19.59	10.01	14.59	22.00	152.95
4165.00	16.52	181.52	4163.10	27.48	-27.48	9.91	11.59	29.21	160.16
4197.00	19.81	182.40	4193.50	37.45	-37.45	9.57	10.32	38.65	165.67
4229.00	24.14	182.40	4223.17	49.41	-49.41	9.07	13.53	50.23	169.60
4261.00	28.37	182.70	4251.86	63.55	-63.55	8.43	13.23	64.10	172.44
4292.00	32.63	182.90	4278.56	79.26	-79.26	7.66	13.75	79.63	174.48
4324.00	35.46	183.10	4305.08	97.15	-97.15	6.72	8.85	97.38	176.04
4357.00	39.01	183.09	4331.35	117.08	-117.08	5.65	10.76	117.22	177.24
4387.00	42.48	182.64	4354.07	136.64	-136.64	4.67	11.61	136.72	178.04
4419.00	46.03	181.30	4376.99	158.95	-158.95	3.91	11.47	159.00	178.59
4451.00	49.58	180.40	4398.48	182.65	-182.65	3.56	11.29	182.69	178.88
4483.00	52.26	179.90	4418.65	207.49	-207.49	3.50	8.46	207.52	179.03
4514.00	54.88	179.70	4437.06	232.43	-232.43	3.59	8.47	232.46	179.12
4546.00	57.46	179.50	4454.87	259.01	-259.01	3.78	8.08	259.04	179.16
4578.00	60.18	179.40	4471.44	286.38	-286.38	4.04	8.50	286.41	179.19
4610.00	63.57	179.60	4486.52	314.60	-314.60	4.28	10.61	314.63	179.22
4641.00	66.67	179.50	4499.56	342.72	-342.72	4.51	10.00	342.75	179.25
4673.00	69.83	179.80	4511.42	372.43	-372.43	4.69	9.91	372.46	179.28
4705.00	72.64	180.30	4521.71	402.73	-402.73	4.66	8.90	402.76	179.34
4737.00	75.44	180.30	4530.51	433.49	-433.49	4.50	8.75	433.52	179.41
4768.00	78.62	180.30	4537.46	463.70	-463.70	4.34	10.26	463.72	179.46
4800.00	81.56	180.20	4542.97	495.22	-495.22	4.20	9.19	495.23	179.51
4832.00	85.59	180.00	4546.55	527.01	-527.01	4.15	12.61	527.02	179.55
4864.00	88.59	179.70	4548.17	558.96	-558.96	4.23	9.42	558.98	179.57
4895.00	88.99	179.60	4548.83	589.96	-589.96	4.42	1.33	589.97	179.57
4927.00	88.79	179.70	4549.45	621.95	-621.95	4.62	0.70	621.97	179.57
4959.00	89.80	180.12	4549.84	653.95	-653.95	4.67	3.42	653.96	179.59
4991.00	90.17	180.00	4549.85	685.95	-685.95	4.63	1.22	685.96	179.61
5022.00	90.10	179.80	4549.78	716.95	-716.95	4.69	0.68	716.96	179.63
5054.00	90.07	179.80	4549.73	748.95	-748.95	4.80	0.09	748.96	179.63
5086.00	90.03	180.10	4549.70	780.95	-780.95	4.83	0.95	780.96	179.65
5118.00	90.03	179.90	4549.69	812.95	-812.95	4.83	0.62	812.96	179.66
5150.00	89.97	180.30	4549.69	844.95	-844.95	4.77	1.26	844.96	179.68
5182.00	90.03	180.10	4549.69	876.95	-876.95	4.66	0.65	876.96	179.70
5214.00	89.90	180.30	4549.71	908.95	-908.95	4.55	0.75	908.96	179.71
5245.00	89.87	180.40	4549.77	939.94	-939.94	4.36	0.34	939.95	179.73
5277.00	89.73	180.40	4549.88	971.94	-971.94	4.13	0.44	971.95	179.76
5309.00	89.83	180.70	4550.00	1003.94	-1003.94	3.83	0.99	1003.95	179.78
5341.00	89.83	180.90	4550.10	1035.94	-1035.94	3.38	0.62	1035.94	179.81
5372.00	89.90	180.90	4550.17	1066.93	-1066.93	2.89	0.23	1066.94	179.84
5404.00	89.87	181.20	4550.23	1098.93	-1098.93	2.31	0.94	1098.93	179.88
5436.00	89.97	181.50	4550.28	1130.92	-1130.92	1.55	0.99	1130.92	179.92
5468.00	90.10	181.60	4550.26	1162.91	-1162.91	0.69	0.51	1162.91	179.97
5499.00	89.80	180.30	4550.29	1193.90	-1193.90	0.17	4.30	1193.90	179.99
5531.00	90.00	180.19	4550.34	1225.90	-1225.90	0.04	0.71	1225.90	180.00
5563.00	89.97	180.00	4550.35	1257.90	-1257.90	-0.02	0.60	1257.90	180.00
5595.00	89.73	180.30	4550.43	1289.90	-1289.90	-0.10	1.20	1289.90	180.00



Scientific Drilling International Survey Report

Company: MACK ENERGY
Field: Four Mile Draw
Site: Eddy County, NM
Well: Chief State #1H
Wellpath: DH - Job #32D0806677

Date: 10/30/2006 Time: 10:46:18 Page: 2
Co-ordinate(N/E) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,180.00Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
5627.00	89.56	180.30	4550.63	1321.90	-1321.90	-0.27	0.53	1321.90	180.01
5658.00	89.56	180.60	4550.87	1352.90	-1352.90	-0.51	0.97	1352.90	180.02
5689.00	89.23	179.70	4551.20	1383.90	-1383.90	-0.59	3.09	1383.90	180.02
5722.00	89.19	179.80	4551.65	1416.89	-1416.89	-0.45	0.33	1416.89	180.02
5754.00	89.02	179.80	4552.15	1448.89	-1448.89	-0.34	0.53	1448.89	180.01
5786.00	88.92	180.10	4552.73	1480.88	-1480.88	-0.31	0.99	1480.88	180.01
5817.00	88.79	180.21	4553.35	1511.88	-1511.88	-0.39	0.55	1511.88	180.01
5849.00	89.02	180.20	4553.96	1543.87	-1543.87	-0.51	0.72	1543.87	180.02
5881.00	89.02	179.90	4554.51	1575.87	-1575.87	-0.54	0.94	1575.87	180.02
5913.00	88.92	180.10	4555.08	1607.86	-1607.86	-0.54	0.70	1607.86	180.02
5945.00	88.86	180.00	4555.70	1639.86	-1639.86	-0.56	0.36	1639.86	180.02
5977.00	89.43	179.70	4556.18	1671.85	-1671.85	-0.48	2.01	1671.85	180.02
6008.00	89.90	179.30	4556.36	1702.85	-1702.85	-0.21	1.99	1702.85	180.01
6040.00	89.73	179.40	4556.46	1734.85	-1734.85	0.15	0.62	1734.85	179.99
6072.00	89.39	179.60	4556.71	1766.85	-1766.85	0.43	1.23	1766.85	179.99
6104.00	88.89	179.90	4557.19	1798.84	-1798.84	0.57	1.82	1798.84	179.98
6135.00	88.72	180.49	4557.84	1829.84	-1829.84	0.47	1.98	1829.84	179.99
6167.00	89.60	180.20	4558.31	1861.83	-1861.83	0.27	2.90	1861.83	179.99
6199.00	89.93	179.90	4558.44	1893.83	-1893.83	0.25	1.39	1893.83	179.99
6232.00	90.10	180.60	4558.43	1926.83	-1926.83	0.10	2.18	1926.83	180.00
6264.00	90.00	180.60	4558.40	1958.83	-1958.83	-0.23	0.31	1958.83	180.01
6296.00	90.17	179.90	4558.35	1990.83	-1990.83	-0.37	2.25	1990.83	180.01
6328.00	90.54	179.30	4558.15	2022.83	-2022.83	-0.15	2.20	2022.83	180.00
6359.00	90.50	179.40	4557.87	2053.82	-2053.82	0.20	0.35	2053.82	179.99
6391.00	90.60	179.62	4557.57	2085.82	-2085.82	0.48	0.76	2085.82	179.99
6423.00	90.40	179.50	4557.29	2117.82	-2117.82	0.72	0.73	2117.82	179.98
6455.00	90.84	179.30	4556.94	2149.81	-2149.81	1.06	1.51	2149.81	179.97
6486.00	89.66	179.40	4556.81	2180.81	-2180.81	1.41	3.82	2180.81	179.96
6518.00	89.56	179.00	4557.02	2212.81	-2212.81	1.86	1.29	2212.81	179.95
6550.00	90.80	179.20	4556.92	2244.80	-2244.80	2.36	3.93	2244.80	179.94
6582.00	91.58	179.29	4556.26	2276.79	-2276.79	2.78	2.45	2276.79	179.93
6614.00	91.78	179.36	4555.32	2308.78	-2308.78	3.16	0.66	2308.78	179.92
6645.00	91.88	179.35	4554.33	2339.76	-2339.76	3.51	0.32	2339.76	179.91
6677.00	91.99	179.50	4553.25	2371.74	-2371.74	3.83	0.58	2371.74	179.91
6709.00	92.12	179.20	4552.10	2403.72	-2403.72	4.19	1.02	2403.72	179.90
6740.00	92.45	179.00	4550.87	2434.69	-2434.69	4.68	1.24	2434.69	179.89
6772.00	90.98	179.40	4549.91	2466.67	-2466.67	5.12	4.76	2466.67	179.88
6804.00	90.17	180.34	4549.59	2498.67	-2498.67	5.20	3.88	2498.67	179.88
6836.00	90.10	180.48	4549.51	2530.67	-2530.67	4.97	0.49	2530.67	179.89
6867.00	90.20	180.48	4549.43	2561.67	-2561.67	4.71	0.32	2561.67	179.89
6899.00	90.13	180.31	4549.34	2593.66	-2593.66	4.49	0.57	2593.67	179.90
6930.00	89.80	179.85	4549.36	2624.66	-2624.66	4.44	1.83	2624.67	179.90
6961.00	89.43	179.42	4549.57	2655.66	-2655.66	4.64	1.83	2655.67	179.90
6993.00	89.33	179.57	4549.91	2687.66	-2687.66	4.92	0.56	2687.66	179.90
7025.00	89.23	179.80	4550.31	2719.66	-2719.66	5.10	0.78	2719.66	179.89
7057.00	89.66	180.10	4550.62	2751.65	-2751.65	5.13	1.64	2751.66	179.89
7088.00	90.24	180.10	4550.65	2782.65	-2782.65	5.07	1.87	2782.66	179.90
7120.00	90.13	180.25	4550.55	2814.65	-2814.65	4.97	0.58	2814.66	179.90
7152.00	90.64	180.10	4550.33	2846.65	-2846.65	4.88	1.66	2846.66	179.90
7184.00	90.74	180.41	4549.95	2878.65	-2878.65	4.73	1.02	2878.65	179.91
7216.00	90.81	180.30	4549.51	2910.65	-2910.65	4.54	0.41	2910.65	179.91
7247.00	90.54	180.47	4549.15	2941.64	-2941.64	4.33	1.03	2941.65	179.92



Scientific Drilling International Survey Report

Company: MACK ENERGY
Field: Four Mile Draw
Site: Eddy County, NM
Well: Chief State #1H
Wellpath: DH - Job #32D0806677

Date: 10/30/2006 Time: 10:46:18 Page: 3
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,180.00Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

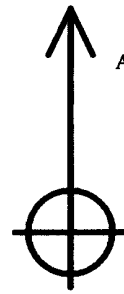
MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
7279.00	90.37	180.40	4548.90	2973.64	-2973.64	4.08	0.57	2973.65	179.92
7311.00	90.64	180.67	4548.61	3005.64	-3005.64	3.79	1.19	3005.64	179.93
7343.00	91.45	180.90	4548.03	3037.63	-3037.63	3.35	2.63	3037.63	179.94
7374.00	91.41	180.90	4547.26	3068.62	-3068.62	2.86	0.13	3068.62	179.95
7406.00	91.34	181.10	4546.49	3100.60	-3100.60	2.30	0.66	3100.60	179.96
7438.00	91.35	181.20	4545.74	3132.59	-3132.59	1.66	0.31	3132.59	179.97
7470.00	91.35	181.00	4544.98	3164.57	-3164.57	1.05	0.62	3164.57	179.98
7501.00	91.58	181.14	4544.19	3195.56	-3195.56	0.47	0.87	3195.56	179.99
7533.00	91.85	181.46	4543.23	3227.54	-3227.54	-0.26	1.31	3227.54	180.00
7565.00	92.19	181.53	4542.10	3259.50	-3259.50	-1.09	1.08	3259.50	180.02
7597.00	90.94	180.30	4541.23	3291.49	-3291.49	-1.60	5.48	3291.49	180.03
7629.00	90.64	180.00	4540.79	3323.48	-3323.48	-1.69	1.33	3323.48	180.03
7660.00	90.51	179.60	4540.48	3354.48	-3354.48	-1.58	1.36	3354.48	180.03
7692.00	90.54	180.12	4540.19	3386.48	-3386.48	-1.50	1.63	3386.48	180.03
7724.00	90.47	179.89	4539.90	3418.48	-3418.48	-1.50	0.75	3418.48	180.03
7756.00	90.81	179.96	4539.55	3450.48	-3450.48	-1.46	1.08	3450.48	180.02
7787.00	90.47	179.80	4539.20	3481.48	-3481.48	-1.40	1.21	3481.48	180.02
7819.00	89.76	179.50	4539.14	3513.47	-3513.47	-1.20	2.41	3513.47	180.02
7851.00	89.09	179.10	4539.46	3545.47	-3545.47	-0.81	2.44	3545.47	180.01
7883.00	89.12	178.79	4539.96	3577.46	-3577.46	-0.22	0.97	3577.46	180.00
7915.00	89.43	179.18	4540.36	3609.45	-3609.45	0.35	1.56	3609.45	179.99
7946.00	90.37	179.30	4540.42	3640.45	-3640.45	0.76	3.06	3640.45	179.99
7978.00	90.50	179.10	4540.17	3672.45	-3672.45	1.20	0.75	3672.45	179.98
8010.00	90.27	179.10	4539.96	3704.44	-3704.44	1.71	0.72	3704.44	179.97
8041.00	90.10	179.20	4539.86	3735.44	-3735.44	2.17	0.64	3735.44	179.97
8073.00	90.03	179.30	4539.82	3767.43	-3767.43	2.58	0.38	3767.44	179.96
8105.00	89.80	179.13	4539.87	3799.43	-3799.43	3.02	0.89	3799.43	179.95
8137.00	89.56	179.24	4540.05	3831.43	-3831.43	3.48	0.83	3831.43	179.95
8169.00	89.39	179.20	4540.34	3863.42	-3863.42	3.91	0.55	3863.43	179.94
8200.00	89.23	179.32	4540.71	3894.42	-3894.42	4.31	0.65	3894.42	179.94



**Scientific
Drilling**

Field: Four Mile Draw
Site: Eddy County, NM
Well: Chief State #1H
Wellpath: DH - Job #32D0806677
Survey: 08/18/06-09/11/06

G/T/M



Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 10/29/2006
Model: igrf2000

South(-)/North(+) [500ft/in]

West(-)/East(+) [500ft/in]

