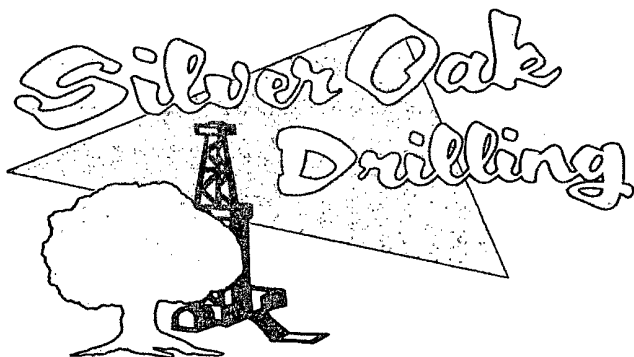




PO Box 1370
Artesia, NM 88211-1370
(505) 748-1288

30-015-36751

May 17, 2010

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

RE: Snowball St Com #1 *h*
355' FNL & 330' FEL
Sec. 36, T16S, R27E
Eddy County, New Mexico

Dear Sir,

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

Very truly yours,

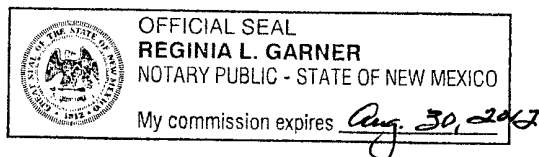
A handwritten signature in cursive script, appearing to read "Eddie C. LaRue".

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 17th day of May, 2010.

A handwritten signature in cursive script, appearing to read "Regina L. Garner".

Notary Public

Pason DataHub Deviation Survey 2010/05/28 14:22:54
 # Well Dossier 1271035351 - SNOWBALL STATE COM #1
 #

Date	Depth	Deviation	Direction	TVD
4/12/2010	195	0.10	301.90	0.00
4/12/2010	371	0.50	310.10	0.00
4/14/2010	537	1.00	282.20	0.00
4/14/2010	745	0.70	294.20	0.00
4/14/2010	925	0.70	298.40	0.00
4/14/2010	1151	1.10	303.00	0.00
4/14/2010	1302	0.80	294.50	0.00
4/15/2010	1458	1.20	303.30	0.00
4/15/2010	1676	1.10	306.50	0.00
4/15/2010	1862	1.30	311.80	0.00
4/15/2010	2056	1.10	285.00	0.00
4/15/2010	2243	1.00	337.10	0.00
4/16/2010	2429	1.10	343.80	0.00
4/16/2010	2616	1.30	340.90	0.00
4/16/2010	2834	1.00	399.90	0.00
4/16/2010	2990	1.20	352.50	0.00
4/16/2010	3180	0.70	346.60	0.00
4/17/2010	3364	0.80	347.50	0.00
4/17/2010	3551	0.70	29.80	0.00
4/17/2010	3737	0.30	17.90	0.00
4/18/2010	3893	0.30	13.30	0.00
4/18/2010	4111	0.40	355.00	0.00
4/19/2010	4244	0.26	312.53	4243.49
4/19/2010	4306	0.26	168.24	4305.49
4/19/2010	4400	0.44	157.42	4399.49
4/19/2010	4493	0.35	163.60	4492.48
4/19/2010	4587	0.35	159.38	4586.48
4/19/2010	4680	0.26	169.49	4679.48
4/19/2010	4773	0.18	148.10	4772.48
4/19/2010	4867	0.97	138.06	4866.47
4/20/2010	4960	1.49	142.52	4959.45
4/20/2010	5053	1.67	134.33	5052.42
4/20/2010	5147	1.58	126.16	5146.38
4/20/2010	5334	2.37	122.55	5333.28
4/20/2010	5427	2.73	124.94	5426.19
4/20/2010	5521	2.81	122.62	5520.08
4/20/2010	5613	1.76	111.57	5612.00
4/21/2010	5705	1.41	78.15	5703.97
4/21/2010	5798	0.70	44.44	5796.95
4/21/2010	5892	0.79	34.80	5890.95
4/21/2010	5985	0.88	30.61	5983.94
4/21/2010	6079	0.88	30.27	6077.92
4/21/2010	6172	0.79	25.49	6170.92
4/22/2010	6265	0.79	19.17	6263.91
4/22/2010	6358	0.62	20.77	6356.90
4/22/2010	6452	0.53	22.84	6450.89
4/25/2010	5736	0.70	89.23	5734.96
4/25/2010	5767	1.41	243.83	5765.96
4/25/2010	5797	4.40	250.07	6795.92
4/26/2010	5828	7.91	254.82	5826.74

Well Dossier 1271035351 - SNOWBALL STATE COM #1
#

Date	Depth	Deviation	Direction	TVD
4/26/2010	5892	15.30	260.53	5889.38
4/27/2010	5954	22.51	262.02	5947.97
4/27/2010	5985	25.68	264.40	5976.26
4/27/2010	6016	28.49	266.42	6003.86
4/27/2010	6047	31.66	268.26	6030.67
4/28/2010	6078	33.94	269.76	6056.74
4/28/2010	6110	36.76	270.99	6082.84
4/28/2010	6124	37.90	271.78	6093.97
4/30/2010	6243	51.79	270.64	6178.14
4/30/2010	6307	56.81	269.93	6214.32
5/1/2010	6305	58.42	270.10	6212.88
5/1/2010	6337	60.73	271.09	6229.08
5/1/2010	6369	62.13	272.56	6244.38
5/1/2010	6400	65.37	272.30	6258.04
5/1/2010	6432	69.99	271.03	6270.24
5/2/2010	6496	78.61	268.94	6287.11
5/2/2010	6528	81.17	268.15	6292.73
5/2/2010	6559	83.55	268.43	6296.85
5/2/2010	6591	85.91	269.14	6299.81
5/2/2010	6623	86.64	269.50	6301.87
5/2/2010	6655	88.49	269.91	6303.23
5/2/2010	6687	89.55	270.39	6303.78
5/3/2010	6719	89.66	271.07	6303.83
5/3/2010	6751	90.34	270.86	6304.00
5/3/2010	6787	90.73	271.24	6303.71
5/3/2010	6846	91.12	271.59	6302.63
5/3/2010	6878	91.57	271.78	6301.88
5/3/2010	6910	91.62	271.99	6299.37
5/3/2010	6942	91.74	271.83	6300.05
5/3/2010	6974	91.29	272.58	6299.20
5/3/2010	7005	91.46	272.86	6298.46
5/3/2010	7037	91.68	273.82	6297.58
5/3/2010	7069	90.73	237.82	6296.91
5/3/2010	7101	90.22	274.33	6296.64
5/3/2010	7165	90.62	273.97	6295.88
5/3/2010	7197	90.67	273.12	6295.52
5/3/2010	7228	90.78	272.14	6295.12
5/3/2010	7260	90.78	271.60	6294.69
5/4/2010	7292	91.01	271.84	6294.19
5/4/2010	7356	92.74	271.37	6292.20
5/4/2010	7388	93.41	272.37	6290.52
5/4/2010	7420	92.52	272.06	6288.86
5/4/2010	7451	91.12	272.64	6287.88
5/4/2010	7515	90.78	271.81	6286.54
5/4/2010	7547	90.22	271.02	6286.16
5/4/2010	7579	90.90	271.06	6285.82
5/4/2010	7611	90.06	271.44	6285.55
5/5/2010	7642	89.78	271.76	6285.60
5/5/2010	7674	90.17	271.62	6285.61
5/5/2010	7706	90.29	271.80	6285.48
5/5/2010	7738	90.84	272.14	6285.17

Well Dossier 1271035351 - SNOWBALL STATE COM #1
#

Date	Depth	Deviation	Direction	TVD
5/5/2010	7770	90.06	272.03	6284.91
5/5/2010	7802	89.89	271.72	6284.93
5/5/2010	7834	90.28	271.70	6284.85
5/5/2010	7865	90.78	271.92	6284.57
5/5/2010	7897	89.33	272.00	6284.54
5/5/2010	7929	88.43	272.05	6285.16
5/5/2010	7961	88.77	272.44	6285.94
5/5/2010	7993	89.16	272.42	6286.52
5/5/2010	8025	89.50	272.55	6286.90
5/5/2010	8057	89.44	271.42	6287.19
5/5/2010	8120	89.50	270.56	6287.94
5/5/2010	8152	90.84	269.99	6287.85
5/5/2010	8184	91.73	269.50	6287.13
5/6/2010	8216	92.18	269.58	6286.04
5/6/2010	8248	90.84	270.73	6885.20
5/6/2010	8279	90.06	271.46	6284.95
5/6/2010	8311	90.17	271.74	6284.89
5/6/2010	8343	90.28	271.95	6284.95
5/6/2010	8375	90.56	272.21	6284.53
5/6/2010	8406	90.73	272.51	6284.14
5/6/2010	8438	90.56	273.17	6238.82
5/6/2010	8470	90.67	273.24	6283.48
5/6/2010	8502	90.73	273.23	6283.09
5/6/2010	8534	89.39	272.47	8283.05
5/6/2010	8566	88.88	272.04	6283.50
5/6/2010	8598	89.10	272.31	6284.10
5/6/2010	8684	89.33	272.61	6284.54
5/6/2010	8662	89.44	272.82	6284.88
5/6/2010	8694	89.38	273.40	6285.21
5/6/2010	8725	89.33	272.28	6285.56
5/6/2010	8757	89.72	270.72	6825.82
5/6/2010	8789	91.01	270.43	6285.62
5/6/2010	8821	91.55	270.52	6284.82
5/6/2010	8852	91.96	270.81	6283.79
5/6/2010	8884	92.01	271.05	6282.60
5/7/2010	8916	92.30	271.30	6281.48
5/7/2010	8948	90.62	271.52	6280.66
5/7/2010	8980	89.83	271.16	6280.54
5/7/2010	9012	90.06	271.19	6280.57
5/7/2010	9044	90.34	271.34	6280.46
5/7/2010	9075	90.62	271.41	6280.20
5/7/2010	9107	91.17	271.22	6279.70
5/7/2010	9139	90.34	271.36	6279.28
5/7/2010	9171	89.72	271.92	6279.26
5/7/2010	9203	90.45	272.51	6279.21
5/7/2010	9234	89.55	272.41	6279.21
5/7/2010	9266	88.99	272.82	6279.62
5/7/2010	9298	89.33	272.97	6280.09
5/8/2010	9330	89.55	273.12	6280.85
5/8/2010	9362	89.89	273.36	6280.56
5/8/2010	9426	89.55	272.40	6281.03

Well Dossier 1271035351 - SNOWBALL STATE COM #1
#

Date	Depth	Deviation	Direction	TVD
5/8/2010	9458	89.83	272.70	6281.20
5/8/2010	9490	90.11	272.61	6281.22
5/8/2010	9522	90.11	272.03	6281.16
5/8/2010	9553	90.50	272.35	6280.99
5/8/2010	9585	91.12	271.34	6280.54
5/8/2010	9617	91.46	270.99	6279.82
5/9/2010	9649	92.02	271.54	6278.85
5/9/2010	9681	92.35	271.80	6277.63
5/9/2010	9713	92.63	271.70	6276.24
5/9/2010	9745	92.91	271.96	9274.69
5/10/2010	9776	93.31	272.18	6273.01
5/10/2010	9808	94.09	272.19	6270.94
5/11/2010	9840	92.35	271.88	6269.15
5/11/2010	9871	90.39	272.49	6268.40
5/11/2010	9903	90.56	272.72	6268.14
5/11/2010	9935	91.01	272.44	6277.70
5/11/2010	9967	91.34	272.56	6267.04
5/11/2010	9999	91.62	272.14	6266.27
5/11/2010	10030	92.01	272.36	6265.24
5/11/2010	10072	90.22	90.22	6264.61
5/11/2010	10094	89.78	272.20	6264.61
5/11/2010	10116	91.06	272.33	6264.45
5/11/2010	10158	92.68	271.21	6263.08
5/11/2010	10189	93.53	270.49	6261.40
5/11/2010	10221	94.20	270.26	6259.25
5/11/2010	10253	94.71	270.43	6256.76
5/11/2010	10285	93.71	270.20	6254.41
5/11/2010	10317	93.36	269.93	6252.44
5/12/2010	10348	93.98	270.00	6250.45
5/12/2010	10380	94.31	269.99	6248.14
5/12/2010	10412	94.76	270.26	6245.61
5/12/2010	10444	94.42	270.18	6243.65
5/12/2010	10476	94.26	270.33	6240.63
5/12/2010	10508	93.02	270.37	6238.60
5/12/2010	10540	92.50	270.92	6237.06
5/12/2010	10570	92.91	271.01	6235.85

EOF

DIRECTIONAL SURVEY REPORT

MACK ENERGY CORPORATION

SNOWBALL STATE COM #1H

EDDY COUNTY, NM

PREPARED BY: PHIL LEBLANC

**SCANNED
SN**



May 27, 2010

MACK ENERGY CORPORATION
Mr. Matt Brewer
11352 Lovington Hwy
Box 960
Artesia, NM 88211-1288

RE: MACK ENERGY CORPORATION
SNOWBALL STATE COM #1H
EDDY COUNTY, NM
RIG: SILVER OAK #7
API Well No.: 30-015-36751
PES Job No.: 101010115-GC-WT

Dear Mr. Brewer:

We hereby certify that the enclosed Original Field Survey Data contained in this report represents to the best of our knowledge, a true and accurate survey of the well at the time the survey was run.

DIRECTIONAL SURVEY DATA

1 – Original Directional Survey Report

1 – Email PDF to:

charless@mackenergycorp.com

leel@mackenergycorp.com

donaldarcher@mackenergycorp.com

jimkrogman@mackenergycorp.com

kevingarrett@mackenergycorp.com

mbrewer@mackenergycorp.com

We appreciate the opportunity to work with you and we look forward to your business support. If you have any questions, I can be reached at (337) 233-3982.

Sincerely,

Phil LeBlanc
M/LWD Service Coordinator
PathFinder Energy Services

PL:ll

SCANNED
SM

DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:
A) JOHN OVERTON
B) JAMES CLOUD
C) PETE SENDEJO
3. POSITION OF SAID PERSON(S): (A-C) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 04/18/10 TO 05/12/10
5. STATE IN WHICH SURVEY WAS PERFORMED: NEW MEXICO
6. LOCATION OF WELL: EDDY COUNTY
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. COMPLETE IDENTIFICATION OF WELL:

MACK ENERGY CORPORATION
SNOWBALL STATE COM #1H
EDDY COUNTY, NM
RIG: SILVER OAK #7
API Well No.: 30-015-36751
9. SURVEY(S) CERTIFIED FROM: 4,111 TO 10,627 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 4,569.77 FEET ON A BEARING OF 271.74 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT A PROJECTED BIT DEPTH OF 10,627 FEET, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



PHIL LEBLANC
M/LWD SERVICE COORDINATOR

PathFinder Energy Services, Inc.

BHL Report

Page 01/01
Tie-in Date: 04/18/2010
Date Completed: 05/12/2010

MACK ENERGY CORPORATION
SNOWBALL STATE COM #1
EDDY COUNTY, NEW MEXICO
Rig:SILVER OAK 7
PathFinder Office Supervisor: PHIL LEBLANC
PathFinder Field Engineers:JOHN OVERTON
JAMES CLOUD
PETE SENDEJO

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:32.53.3.4509 N LON:104.13.28.2102 W
GRID Reference:NAD27 new mexico east Transverse Mercator
Ref GRID Coord: X: 533409.1000 Y: 685434.1000
North Aligned To:GRID NORTH
Total Magnetic Correction: 8.02° EAST TO GRID
Vertical Section Plane: 272.17
Survey Vert. Reference: 18.00' Kelly Bushing To Ground
Altitude:3470.00' Ground To MSL

Measured Depth	10627.00	(feet)
Inclination	92.91	(deg)
Azimuth	271.01	(deg)
True Vertical Depth	6232.95	(feet)
Vertical Section	4569.64	(feet)
Survey X cord	528841.43	(feet)
Survey Y cord	685573.12	(feet)
Survey Lat	32.88468610 N	(deg)
Survey Lon	104.23938163 W	(deg)
Rectangular Corr. N/S	139.04 N	(feet)
Rectangular Corr. E/W	4567.65 W	(feet)
Closure Distance	4569.77	(feet)
Direction of Closure	271.74	(deg)
Dogleg Severity	0.00	(deg/100ft)

SCANNED

PathFinder Energy Services, Inc. Survey Report

Page 01/08
Tie-in Date: 04/18/2010
Date Completed: 05/12/2010

MACK ENERGY CORPORATION
SNOWBALL STATE COM #1
EDDY COUNTY, NEW MEXICO
Rig: SILVER OAK 7
PathFinder Office Supervisor: PHIL LEBLANC
PathFinder Field Engineers: JOHN OVERTON
JAMES CLOUD
PETE SENDEJO

Survey Horiz. Reference: WELLHEAD
Ref Coordinates: LAT: 32.53.3.4509 N LONG: 104.13.28.2102 W
GRID Reference: NAD27 new mexico east Transverse Mercator
Ref GRID Coord: X: 533409.1000 Y: 685434.1000
North Aligned To: GRID NORTH
Total Magnetic Correction: 8.02° EAST TO GRID
Vertical Section Plane: 272.17
Survey Vert. Reference: 18.00' Kelly Bushing To Ground
Altitude: 3470.00' Ground To MSL

Survey Calculations by RX5 V6.03 using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)	Survey Latitude (deg)	Survey Longitude (deg)	Closure Dist Dir (ft) (deg)	DLS (dg/100ft)
THE FOLLOWING ARE NAVIGATE ENERGY SERVICES SURVEYS.										
537.00	1.00	282.20	536.97	0.00	4.61	0.99 N	32.88429460 N	104.22451779 W	4.68@ 282.23	0.00
745.00	0.70	294.20	744.95	208.00	7.58	1.90 N	32.88429709 N	104.22452734 W	7.75@ 284.17	0.17
925.00	0.70	298.40	924.93	180.00	9.58	2.87 N	32.88429977 N	104.22453376 W	9.90@ 286.85	0.03
1105.00	1.10	303.00	1104.91	180.00	12.05	4.33 N	32.88430380 N	104.22454162 W	12.66@ 290.02	0.23
1284.00	0.80	294.50	1283.89	179.00	14.68	5.79 N	32.88430781 N	104.22455002 W	15.59@ 291.80	0.19
1464.00	1.20	303.30	1463.86	180.00	17.46	7.34 N	32.88431209 N	104.22455887 W	18.70@ 293.13	0.24
1676.00	1.10	306.30	1675.82	212.00	21.04	9.77 N	32.88431876 N	104.22457025 W	22.88@ 295.27	0.06
1862.00	1.30	311.80	1861.77	186.00	24.15	12.23 N	32.88432554 N	104.22458005 W	26.67@ 297.30	0.12
2056.00	1.10	285.00	2055.73	194.00	27.66	14.18 N	32.88433091 N	104.22459125 W	30.62@ 297.59	0.30
2243.00	1.00	337.10	2242.71	187.00	30.10	16.15 N	32.88433633 N	104.22459896 W	33.64@ 298.69	0.50
2429.00	1.10	343.80	2428.67	186.00	31.35	19.36 N	32.88434515 N	104.22460263 W	36.24@ 302.28	0.09
2616.00	1.30	340.90	2615.63	187.00	32.68	23.09 N	32.88435540 N	104.22460651 W	39.32@ 305.95	0.11
2834.00	1.00	339.90	2833.59	218.00	34.30	27.21 N	32.88436674 N	104.22461126 W	43.00@ 309.25	0.14
2990.00	1.20	352.50	2989.56	156.00	35.09	30.11 N	32.88437471 N	104.22461347 W	45.40@ 311.54	0.20
3180.00	0.70	346.60	3179.53	190.00	35.74	33.21 N	32.88438323 N	104.22461518 W	47.89@ 313.90	0.27
3364.00	0.80	347.50	3363.52	184.00	36.37	35.56 N	32.88438969 N	104.22461692 W	49.92@ 315.42	0.05
3551.00	0.70	29.80	3550.50	187.00	36.17	37.82 N	32.88439591 N	104.22461599 W	51.37@ 317.42	0.29
3737.00	0.30	17.90	3736.50	186.00	35.51	39.27 N	32.88439990 N	104.22461366 W	51.97@ 319.08	0.22
3893.00	0.30	13.30	3892.49	156.00	35.32	40.06 N	32.88440206 N	104.22461294 W	52.43@ 319.82	0.02
** TIED INTO NAVIGATE ENERGY SERVICES AT 4111' MD.										
4111.00	0.40	355.00	4110.49	218.00	35.30	41.37 N	32.88440567 N	104.22461272 W	53.40@ 320.78	0.07
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
4244.00	0.26	312.53	4243.49	133.00	35.59	42.04 N	32.88440750 N	104.22461358 W	54.08@ 321.01	0.20

SCANNED

PathFinder Energy Services, Inc.

Survey Report

MACK ENERGY CORPORATION
SNOWBALL STATE COM #1
EDDY COUNTY, NEW MEXICO
RIG: SILVER OAK 7

Page 02/08

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)	Survey Latitude (deg)	Survey Longitude (deg)	Closure Dist Dir (ft) (deg)	DLS (dg/100ft)
4306.00	0.26	168.24	4305.49	62.00	35.66	41.99 N 34.10 W	32.88440738 N	104.22461382 W	54.09@ 320.92	0.80
4400.00	0.44	157.42	4399.49	94.00	35.46	41.45 N 33.92 W	32.88440589 N	104.22461323 W	53.56@ 320.71	0.20
4493.00	0.35	163.60	4492.48	93.00	35.22	40.85 N 33.70 W	32.88440424 N	104.22461252 W	52.96@ 320.48	0.11
4587.00	0.35	159.38	4586.48	94.00	35.02	40.31 N 33.52 W	32.88440274 N	104.22461193 W	52.42@ 320.25	0.03
4680.00	0.26	169.49	4679.48	93.00	34.86	39.83 N 33.38 W	32.88440144 N	104.22461148 W	51.97@ 320.04	0.11
4773.00	0.18	148.10	4772.48	93.00	34.73	39.50 N 33.26 W	32.88440053 N	104.22461111 W	51.64@ 319.90	0.12
4867.00	0.97	138.06	4866.47	94.00	34.10	38.78 N 32.65 W	32.88439855 N	104.22460912 W	50.70@ 319.91	0.84
4960.00	1.49	142.52	4959.45	93.00	32.78	37.24 N 31.39 W	32.88439430 N	104.22460502 W	48.70@ 319.87	0.57
5053.00	1.67	134.33	5052.42	93.00	31.00	35.33 N 29.69 W	32.88438906 N	104.22459947 W	46.15@ 319.96	0.31
5147.00	1.58	126.16	5146.38	94.00	28.91	33.61 N 27.66 W	32.88438432 N	104.22459288 W	43.53@ 320.55	0.26
5240.00	1.76	121.76	5239.34	93.00	26.61	32.10 N 25.41 W	32.88438017 N	104.22458555 W	40.94@ 321.64	0.24
5334.00	2.37	122.55	5333.28	94.00	23.68	30.30 N 22.54 W	32.88437520 N	104.22457622 W	37.76@ 323.35	0.65
5427.00	2.73	124.94	5426.19	93.00	20.15	27.99 N 19.11 W	32.88436886 N	104.22456504 W	33.89@ 325.68	0.40
5521.00	2.81	122.62	5520.08	94.00	16.29	25.47 N 15.33 W	32.88436191 N	104.22455275 W	29.73@ 328.95	0.15
5613.00	1.76	111.57	5612.00	92.00	13.01	23.73 N 12.12 W	32.88435713 N	104.22454229 W	26.65@ 332.95	1.23
5705.00	1.41	78.15	5703.97	92.00	10.58	23.45 N 9.70 W	32.88435633 N	104.22453440 W	25.37@ 337.53	1.05
5736.00	0.70	89.23	5734.96	31.00	10.02	23.53 N 9.13 W	32.88435655 N	104.22453256 W	25.24@ 338.78	2.37
5767.00	1.41	243.83	5765.96	31.00	10.17	23.36 N 9.29 W	32.88435610 N	104.22453306 W	25.14@ 338.32	6.66
5797.00	4.40	250.07	5795.92	30.00	11.56	22.81 N 10.70 W	32.88435458 N	104.22453767 W	25.19@ 334.86	10.01
5828.00	7.91	254.82	5826.74	31.00	14.70	21.84 N 13.88 W	32.88435194 N	104.22454802 W	25.88@ 327.57	11.43
5859.00	11.52	258.60	5857.29	31.00	19.74	20.67 N 18.97 W	32.88434873 N	104.22456462 W	28.06@ 317.45	11.82
5892.00	15.30	260.53	5889.38	33.00	27.21	19.30 N 26.50 W	32.88434499 N	104.22458915 W	32.79@ 306.07	11.53
5923.00	19.08	261.50	5918.99	31.00	36.20	17.88 N 35.55 W	32.88434111 N	104.22461863 W	39.79@ 296.70	12.23
5954.00	22.51	262.02	5947.97	31.00	47.02	16.31 N 46.44 W	32.88433682 N	104.22465411 W	49.22@ 289.35	11.08
5985.00	25.68	264.40	5976.26	31.00	59.52	14.83 N 59.01 W	32.88433278 N	104.22469505 W	60.84@ 284.11	10.69
6016.00	28.49	266.42	6003.86	31.00	73.54	13.71 N 73.07 W	32.88432975 N	104.22474088 W	74.35@ 280.63	9.54
6047.00	31.66	268.26	6030.69	31.00	89.02	13.00 N 88.59 W	32.88432785 N	104.22479142 W	89.54@ 278.35	10.65

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PathFinder Energy Services, Inc. Survey Report

MACK ENERGY CORPORATION
SNOWBALL STATE COM #1
EDDY COUNTY, NEW MEXICO
RIG: SILVER OAK 7

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)	Survey Latitude (deg)	Survey Longitude (deg)	Closure Dist (ft)	DLS (dg/100ft)
6078.00	33.94	269.76	6056.74	31.00	105.78	12.72 N 105.38 W	32.88432712 N	104.22484611 W	106.14@ 276.88	7.81
6110.00	36.76	270.99	6082.84	32.00	124.28	12.85 N 123.89 W	32.88432752 N	104.22490641 W	124.55@ 275.92	9.09
6124.00	37.90	271.78	6093.97	14.00	132.77	13.05 N 132.37 W	32.88432811 N	104.22493405 W	133.02@ 275.63	8.83
6243.00	51.79	270.64	6178.14	119.00	216.47	14.72 N 216.07 W	32.88433292 N	104.22520668 W	216.57@ 273.90	11.69
6275.00	56.81	269.93	6196.81	32.00	242.43	14.84 N 242.04 W	32.88433334 N	104.22529130 W	242.50@ 273.51	15.79
6305.00	58.42	270.10	6212.88	30.00	267.75	14.85 N 267.38 W	32.88433343 N	104.22537382 W	267.79@ 273.18	5.39
6337.00	60.73	271.09	6229.08	32.00	295.33	15.14 N 294.97 W	32.88433430 N	104.22546370 W	295.36@ 272.94	7.70
6369.00	62.13	272.56	6244.38	32.00	323.43	16.04 N 323.05 W	32.88433685 N	104.22555519 W	323.45@ 272.84	5.95
6400.00	65.37	272.30	6258.09	31.00	351.23	17.21 N 350.83 W	32.88434016 N	104.22564566 W	351.25@ 272.81	10.48
6432.00	69.99	271.03	6270.24	32.00	380.82	18.07 N 380.41 W	32.88434259 N	104.22574202 W	380.84@ 272.72	14.90
6464.00	75.10	269.42	6279.84	32.00	411.32	18.18 N 410.93 W	32.88434299 N	104.22584142 W	411.33@ 272.53	16.67
6496.00	78.61	268.94	6287.11	32.00	442.43	17.74 N 442.08 W	32.88434185 N	104.22594290 W	442.43@ 272.30	11.07
6528.00	81.17	268.15	6292.73	32.00	473.87	16.94 N 473.57 W	32.88433974 N	104.22604549 W	473.87@ 272.05	8.36
6559.00	83.55	268.43	6296.85	31.00	504.52	16.02 N 504.28 W	32.88433731 N	104.22614552 W	504.53@ 271.82	7.73
6591.00	85.91	269.14	6299.79	32.00	536.33	15.34 N 536.13 W	32.88433554 N	104.22624929 W	536.35@ 271.64	7.70
6623.00	86.64	269.50	6301.87	32.00	568.22	14.96 N 568.06 W	32.88433459 N	104.22635331 W	568.26@ 271.51	2.54
6655.00	88.49	269.91	6303.23	32.00	600.16	14.80 N 600.03 W	32.88433422 N	104.22645745 W	600.21@ 271.41	5.92
6687.00	89.55	270.39	6303.78	32.00	632.14	14.88 N 632.03 W	32.88433454 N	104.22656167 W	632.20@ 271.35	3.64
6719.00	89.66	271.07	6304.00	32.00	664.13	15.29 N 664.02 W	32.88433575 N	104.22666590 W	664.20@ 271.32	2.15
6751.00	90.34	270.86	6304.00	32.00	696.12	15.83 N 696.02 W	32.88433732 N	104.22677012 W	696.20@ 271.30	2.22
6782.00	90.73	271.24	6303.71	31.00	727.11	16.40 N 727.01 W	32.88433897 N	104.22687108 W	727.20@ 271.29	1.76
6814.00	91.01	271.23	6303.22	32.00	759.10	17.09 N 759.00 W	32.88434095 N	104.22697528 W	759.19@ 271.29	0.87
6846.00	91.12	271.59	6302.63	32.00	791.10	17.88 N 790.99 W	32.88434321 N	104.22707947 W	791.19@ 271.29	1.18
6878.00	91.57	271.78	6301.88	32.00	823.08	18.82 N 822.96 W	32.88434588 N	104.22718363 W	823.18@ 271.31	1.53
6910.00	91.62	271.99	6300.99	32.00	855.07	19.87 N 854.93 W	32.88434886 N	104.22728777 W	855.16@ 271.33	0.67
6942.00	91.74	271.83	6300.05	32.00	887.06	20.93 N 886.90 W	32.88435188 N	104.22739191 W	887.15@ 271.35	0.63
6974.00	91.29	272.58	6299.20	32.00	919.05	22.16 N 918.87 W	32.88435535 N	104.22749603 W	919.13@ 271.38	2.73

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PathFinder Energy Services, Inc. Survey Report

MACK ENERGY CORPORATION
SNOWBALL STATE COM #1
EDDY COUNTY, NEW MEXICO
RIG: SILVER OAK 7

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)	Survey Latitude (deg)	Survey Longitude (deg)	Closure Dist Dir (ft) (deg)	DLS (dg/100ft)
7005.00	91.46	272.86	6298.46	31.00	950.04	23.64 N 949.82 W	32.88435948 N	104.22759686 W	950.12@ 271.43	1.06
7037.00	91.68	273.30	6297.58	32.00	982.02	25.35 N 981.76 W	32.88436429 N	104.22770091 W	982.09@ 271.48	1.54
7069.00	90.73	273.82	6296.91	32.00	1014.00	27.34 N 1013.69 W	32.88436984 N	104.22780491 W	1014.06@ 271.54	3.38
7101.00	90.22	274.33	6296.64	32.00	1045.98	29.61 N 1045.61 W	32.88437618 N	104.22790888 W	1046.03@ 271.62	2.25
7133.00	90.95	274.80	6296.32	32.00	1077.95	32.16 N 1077.51 W	32.88438326 N	104.22801278 W	1077.99@ 271.71	2.71
7165.00	90.62	273.97	6295.88	32.00	1109.93	34.61 N 1109.41 W	32.88439008 N	104.22811669 W	1109.95@ 271.79	2.79
7197.00	90.67	273.12	6295.52	32.00	1141.91	36.59 N 1141.35 W	32.88439560 N	104.22822072 W	1141.93@ 271.84	2.66
7228.00	90.78	272.14	6295.13	31.00	1172.91	38.01 N 1172.31 W	32.88439960 N	104.22832158 W	1172.93@ 271.86	3.18
7260.00	90.73	271.60	6294.70	32.00	1204.91	39.05 N 1204.29 W	32.88440255 N	104.22842575 W	1204.93@ 271.86	1.69
7292.00	91.01	271.84	6294.22	32.00	1236.90	40.01 N 1236.27 W	32.88440528 N	104.22852993 W	1236.92@ 271.85	1.15
7324.00	91.68	272.23	6293.47	32.00	1268.89	41.15 N 1268.25 W	32.88440849 N	104.22863407 W	1268.91@ 271.86	2.42
7356.00	92.74	272.37	6292.23	32.00	1300.87	42.43 N 1300.20 W	32.88441210 N	104.22873815 W	1300.89@ 271.87	3.34
7388.00	93.41	272.37	6290.52	32.00	1332.82	43.75 N 1332.12 W	32.88441582 N	104.22884214 W	1332.84@ 271.88	2.09
7420.00	92.52	272.06	6288.86	32.00	1364.78	44.99 N 1364.05 W	32.88441931 N	104.22894616 W	1364.80@ 271.89	2.94
7451.00	91.12	272.64	6287.88	31.00	1395.76	46.26 N 1395.01 W	32.88442288 N	104.22904700 W	1395.78@ 271.90	4.89
7483.00	91.62	272.84	6287.11	32.00	1427.75	47.79 N 1426.97 W	32.88442717 N	104.22915109 W	1427.77@ 271.92	1.68
7515.00	90.78	271.81	6286.44	32.00	1459.74	49.09 N 1458.93 W	32.88443083 N	104.22925521 W	1459.76@ 271.93	4.15
7547.00	90.22	271.02	6286.16	32.00	1491.74	49.88 N 1490.92 W	32.88443308 N	104.22935941 W	1491.76@ 271.92	3.03
7579.00	90.90	271.06	6285.85	32.00	1523.73	50.46 N 1522.91 W	32.88443477 N	104.22946363 W	1523.75@ 271.90	2.13
7611.00	90.06	271.44	6285.58	32.00	1555.73	51.16 N 1554.90 W	32.88443677 N	104.22956784 W	1555.75@ 271.88	2.88
7642.00	89.78	271.76	6285.62	31.00	1586.72	52.02 N 1585.89 W	32.88443924 N	104.22966878 W	1586.75@ 271.88	1.37
7674.00	90.17	271.62	6285.64	32.00	1618.72	52.96 N 1617.88 W	32.88444192 N	104.22977297 W	1618.75@ 271.88	1.29
7706.00	90.39	271.80	6285.48	32.00	1650.72	53.92 N 1649.86 W	32.88444463 N	104.22987716 W	1650.74@ 271.87	0.89
7738.00	90.84	272.14	6285.14	32.00	1682.72	55.02 N 1681.84 W	32.88444774 N	104.22998133 W	1682.74@ 271.87	1.76
7770.00	90.06	272.03	6284.89	32.00	1714.72	56.18 N 1713.82 W	32.88445102 N	104.23008549 W	1714.74@ 271.88	2.46
7802.00	89.89	271.72	6284.90	32.00	1746.72	57.23 N 1745.80 W	32.88445399 N	104.23018967 W	1746.74@ 271.88	1.11
7834.00	90.28	271.70	6284.85	32.00	1778.72	58.19 N 1777.79 W	32.88445670 N	104.23029386 W	1778.74@ 271.87	1.22

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PathFinder Energy Services, Inc.

Survey Report

MACK ENERGY CORPORATION
SNOWBALL STATE COM #1
EDDY COUNTY, NEW MEXICO
RIG:SILVER OAK 7

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)	Survey Latitude (deg)	Survey Longitude (deg)	Closure Dist (ft)	DLS (dg/100ft)
7865.00	90.78	271.92	6284.57	31.00	1809.72	59.16 N 1808.77 W	32.88445947 N	104.23039479 W	1809.74@ 271.87	1.76
7897.00	89.33	272.00	6284.54	32.00	1841.71	60.26 N 1840.75 W	32.88446257 N	104.23049896 W	1841.74@ 271.87	4.54
7929.00	88.43	272.05	6285.16	32.00	1873.71	61.39 N 1872.73 W	32.88446576 N	104.23060311 W	1873.73@ 271.88	2.82
7961.00	88.77	272.44	6285.94	32.00	1905.70	62.64 N 1904.69 W	32.88446929 N	104.23070723 W	1905.72@ 271.88	1.62
7993.00	89.16	272.42	6286.52	32.00	1937.69	64.00 N 1936.66 W	32.88447310 N	104.23081136 W	1937.71@ 271.89	1.22
8025.00	89.50	272.55	6286.90	32.00	1969.69	65.39 N 1968.63 W	32.88447700 N	104.23091549 W	1969.71@ 271.90	1.14
8057.00	89.44	271.42	6287.19	32.00	2001.69	66.49 N 2000.60 W	32.88448013 N	104.23101966 W	2001.71@ 271.90	3.54
8088.00	89.16	270.42	6287.57	31.00	2032.68	66.99 N 2031.60 W	32.88448158 N	104.23112062 W	2032.70@ 271.89	3.35
8120.00	89.50	270.56	6287.94	32.00	2064.66	67.27 N 2063.59 W	32.88448242 N	104.23122485 W	2064.69@ 271.87	1.15
8152.00	90.84	269.99	6287.85	32.00	2096.64	67.42 N 2095.59 W	32.88448293 N	104.23132908 W	2096.68@ 271.84	4.55
8184.00	91.73	269.50	6287.13	32.00	2128.61	67.28 N 2127.58 W	32.88448262 N	104.23143329 W	2128.65@ 271.81	3.17
8216.00	92.18	269.58	6286.04	32.00	2160.55	67.02 N 2159.56 W	32.88448200 N	104.23153747 W	2160.60@ 271.78	1.43
8248.00	90.84	270.73	6285.20	32.00	2192.52	67.11 N 2191.55 W	32.88448232 N	104.23164167 W	2192.58@ 271.75	5.52
8279.00	90.06	271.46	6284.95	31.00	2223.51	67.70 N 2222.54 W	32.88448403 N	104.23174263 W	2223.58@ 271.74	3.45
8311.00	90.17	271.74	6284.89	32.00	2255.51	68.59 N 2254.53 W	32.88448657 N	104.23184683 W	2255.58@ 271.74	0.94
8343.00	90.28	271.95	6284.76	32.00	2287.51	69.62 N 2286.52 W	32.88448949 N	104.23195101 W	2287.57@ 271.74	0.74
8375.00	90.56	272.21	6284.53	32.00	2319.51	70.78 N 2318.49 W	32.88449277 N	104.23205517 W	2319.57@ 271.75	1.19
8406.00	90.73	272.51	6284.18	31.00	2350.51	72.06 N 2349.46 W	32.88449636 N	104.23215606 W	2350.57@ 271.76	1.11
8438.00	90.56	273.17	6283.82	32.00	2382.50	73.65 N 2381.42 W	32.88450080 N	104.23226016 W	2382.56@ 271.77	2.13
8470.00	90.67	273.24	6283.48	32.00	2414.50	75.44 N 2413.37 W	32.88450580 N	104.23236423 W	2414.55@ 271.79	0.41
8502.00	90.73	273.23	6283.09	32.00	2446.49	77.24 N 2445.32 W	32.88451085 N	104.23246829 W	2446.54@ 271.81	0.19
8534.00	89.39	272.47	6283.05	32.00	2478.49	78.83 N 2477.28 W	32.88451531 N	104.23257239 W	2478.53@ 271.82	4.81
8566.00	88.88	272.04	6283.53	32.00	2510.48	80.09 N 2509.25 W	32.88451885 N	104.23267653 W	2510.53@ 271.83	2.09
8598.00	89.10	272.31	6284.10	32.00	2542.48	81.31 N 2541.22 W	32.88452227 N	104.23278068 W	2542.52@ 271.83	1.09
8630.00	89.33	272.61	6284.54	32.00	2574.47	82.68 N 2573.19 W	32.88452613 N	104.23288481 W	2574.52@ 271.84	1.18
8662.00	89.44	272.82	6284.88	32.00	2606.47	84.19 N 2605.15 W	32.88453038 N	104.23298892 W	2606.51@ 271.85	0.74
8694.00	89.38	273.40	6285.21	32.00	2638.46	85.93 N 2637.10 W	32.88453523 N	104.23309300 W	2638.50@ 271.87	1.82

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PathFinder Energy Services, Inc.

Survey Report

MACK ENERGY CORPORATION
SNOWBALL STATE COM #1
EDDY COUNTY, NEW MEXICO
RIG:SILVER OAK 7

Page 06/08

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)	Survey Latitude (deg)	Survey Longitude (deg)	Closure Dist Dir (ft) (deg)	DLS (dg/100ft)
8725.00	89.33	272.28	6285.56	31.00	2669.46	87.47 N 2668.06 W	32.88453954 N	104.23319384 W	2669.49@ 271.88	3.62
8757.00	89.72	270.72	6285.82	32.00	2701.46	88.30 N 2700.05 W	32.88454192 N	104.23329804 W	2701.49@ 271.87	5.02
8789.00	91.01	270.43	6285.62	32.00	2733.44	88.63 N 2732.05 W	32.88454289 N	104.23340227 W	2733.48@ 271.86	4.13
8821.00	91.85	270.52	6284.82	32.00	2765.42	88.89 N 2764.03 W	32.88454370 N	104.23350647 W	2765.46@ 271.84	2.64
8852.00	91.96	270.81	6283.79	31.00	2796.39	89.25 N 2795.01 W	32.88454477 N	104.23360739 W	2796.44@ 271.83	1.00
8884.00	92.01	271.05	6282.68	32.00	2828.36	89.77 N 2826.99 W	32.88454628 N	104.23371155 W	2828.42@ 271.82	0.76
8916.00	92.30	271.30	6281.48	32.00	2860.34	90.42 N 2858.96 W	32.88454816 N	104.23381570 W	2860.39@ 271.81	1.20
8948.00	90.62	271.52	6280.66	32.00	2892.32	91.21 N 2890.94 W	32.88455041 N	104.23391987 W	2892.38@ 271.81	5.30
8980.00	89.83	271.16	6280.54	32.00	2924.32	91.96 N 2922.93 W	32.88455255 N	104.23402407 W	2924.38@ 271.80	2.71
9012.00	90.06	271.19	6280.57	32.00	2956.31	92.62 N 2954.92 W	32.88455444 N	104.23412829 W	2956.38@ 271.80	0.72
9044.00	90.34	271.34	6280.46	32.00	2988.31	93.32 N 2986.92 W	32.88455646 N	104.23423250 W	2988.37@ 271.79	0.99
9075.00	90.62	271.41	6280.20	31.00	3019.30	94.07 N 3017.91 W	32.88455859 N	104.23433345 W	3019.37@ 271.79	0.93
9107.00	91.17	271.22	6279.70	32.00	3051.30	94.80 N 3049.89 W	32.88456069 N	104.23443765 W	3051.37@ 271.78	1.82
9139.00	90.34	271.36	6279.28	32.00	3083.29	95.52 N 3081.88 W	32.88456275 N	104.23454185 W	3083.36@ 271.78	2.63
9171.00	89.72	271.92	6279.26	32.00	3115.29	96.44 N 3113.87 W	32.88456535 N	104.23464604 W	3115.36@ 271.77	2.61
9203.00	90.45	272.51	6279.21	32.00	3147.29	97.67 N 3145.85 W	32.88456883 N	104.23475020 W	3147.36@ 271.78	2.93
9234.00	89.55	272.41	6279.21	31.00	3178.29	99.00 N 3176.82 W	32.88457257 N	104.23485109 W	3178.36@ 271.79	2.92
9266.00	88.99	272.82	6279.62	32.00	3210.28	100.46 N 3208.78 W	32.88457666 N	104.23495521 W	3210.35@ 271.79	2.17
9298.00	89.33	272.97	6280.09	32.00	3242.28	102.08 N 3240.74 W	32.88458119 N	104.23505929 W	3242.34@ 271.80	1.16
9330.00	89.55	273.12	6280.40	32.00	3274.27	103.78 N 3272.69 W	32.88458594 N	104.23516338 W	3274.33@ 271.82	0.83
9362.00	89.89	273.36	6280.56	32.00	3306.27	105.59 N 3304.64 W	32.88459099 N	104.23526745 W	3306.32@ 271.83	1.30
9394.00	89.44	272.71	6280.75	32.00	3338.26	107.28 N 3336.59 W	32.88459573 N	104.23537153 W	3338.32@ 271.84	2.47
9426.00	89.55	272.40	6281.03	32.00	3370.26	108.71 N 3368.56 W	32.88459973 N	104.23547566 W	3370.31@ 271.85	1.03
9458.00	89.83	272.70	6281.20	32.00	3402.26	110.13 N 3400.53 W	32.88460373 N	104.23557979 W	3402.31@ 271.85	1.28
9490.00	90.11	272.61	6281.22	32.00	3434.26	111.62 N 3432.49 W	32.88460788 N	104.23568392 W	3434.31@ 271.86	0.92
9522.00	90.11	272.03	6281.16	32.00	3466.26	112.91 N 3464.47 W	32.88461153 N	104.23578807 W	3466.31@ 271.87	1.81
9553.00	90.50	272.35	6280.99	31.00	3497.26	114.10 N 3495.44 W	32.88461486 N	104.23588897 W	3497.30@ 271.87	1.63

SCANNED

PathFinder Energy Services, Inc.

Survey Report

MACK ENERGY CORPORATION
SNOWBALL STATE COM #1
EDDY COUNTY, NEW MEXICO
RIG: SILVER OAK 7

Page 07/08

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)	Survey Latitude (deg)	Survey Longitude (deg)	Closure Dist Dir (ft) (deg)	DLS (dg/100ft)
9585.00	91.12	271.34	6280.54	32.00	3529.25	115.13 N 3527.42 W	32.88461777 N	104.23599314 W	3529.30@ 271.87	3.70
9617.00	91.46	270.99	6279.82	32.00	3561.24	115.78 N 3559.41 W	32.88461964 N	104.23609733 W	3561.29@ 271.86	1.52
9649.00	92.02	271.54	6278.85	32.00	3593.22	116.48 N 3591.38 W	32.88462166 N	104.23620150 W	3593.27@ 271.86	2.45
9681.00	92.35	271.80	6277.63	32.00	3625.19	117.41 N 3623.35 W	32.88462431 N	104.23630561 W	3625.25@ 271.86	1.31
9713.00	92.63	271.70	6276.24	32.00	3657.16	118.39 N 3655.30 W	32.88462707 N	104.23640971 W	3657.22@ 271.86	0.93
9745.00	92.91	271.96	6274.69	32.00	3689.13	119.41 N 3687.25 W	32.88462996 N	104.23651377 W	3689.18@ 271.85	1.19
9776.00	93.31	272.18	6273.01	31.00	3720.08	120.53 N 3718.18 W	32.88463311 N	104.23661453 W	3720.14@ 271.86	1.47
9809.00	94.09	272.19	6270.88	33.00	3753.01	121.78 N 3751.09 W	32.88463664 N	104.23672172 W	3753.07@ 271.86	2.36
9840.00	92.35	271.88	6269.14	31.00	3783.96	122.88 N 3782.02 W	32.88463974 N	104.23682248 W	3784.02@ 271.86	5.70
9871.00	90.39	272.49	6268.40	31.00	3814.95	124.06 N 3812.99 W	32.88464307 N	104.23692335 W	3815.00@ 271.86	6.62
9903.00	90.56	272.72	6268.13	32.00	3846.95	125.52 N 3844.95 W	32.88464714 N	104.23702747 W	3847.00@ 271.87	0.89
9935.00	91.01	272.44	6267.69	32.00	3878.94	126.96 N 3876.92 W	32.88465118 N	104.23713159 W	3879.00@ 271.88	1.66
9967.00	91.34	272.56	6267.04	32.00	3910.94	128.36 N 3908.88 W	32.88465510 N	104.23723571 W	3910.99@ 271.88	1.10
9999.00	91.62	272.14	6266.21	32.00	3942.93	129.67 N 3940.84 W	32.88465878 N	104.23733982 W	3942.97@ 271.88	1.58
10030.00	92.01	272.36	6265.23	31.00	3973.91	130.88 N 3971.80 W	32.88466221 N	104.23744067 W	3973.96@ 271.89	1.44
10062.00	90.22	272.10	6264.61	32.00	4005.90	132.13 N 4003.77 W	32.88466571 N	104.23754481 W	4005.95@ 271.89	5.65
10094.00	89.78	272.21	6264.61	32.00	4037.90	133.33 N 4035.75 W	32.88466909 N	104.23764897 W	4037.95@ 271.89	1.42
10126.00	91.06	272.33	6264.37	32.00	4069.90	134.60 N 4067.72 W	32.88467266 N	104.23775312 W	4069.95@ 271.90	4.02
10158.00	92.68	271.21	6263.33	32.00	4101.88	135.59 N 4099.69 W	32.88467545 N	104.23785725 W	4101.93@ 271.89	6.15
10189.00	93.53	270.49	6261.65	31.00	4132.83	136.05 N 4130.64 W	32.88467679 N	104.23795807 W	4132.88@ 271.89	3.59
10221.00	94.20	270.26	6259.49	32.00	4164.74	136.25 N 4162.56 W	32.88467745 N	104.23806207 W	4164.79@ 271.87	2.21
10253.00	94.71	270.43	6257.01	32.00	4196.63	136.45 N 4194.47 W	32.88467805 N	104.23816599 W	4196.69@ 271.86	1.68
10285.00	93.70	270.20	6254.66	32.00	4228.52	136.62 N 4226.38 W	32.88467861 N	104.23826995 W	4228.59@ 271.85	3.24
10317.00	93.36	269.93	6252.69	32.00	4260.44	136.66 N 4258.32 W	32.88467879 N	104.23837399 W	4260.51@ 271.84	1.36
10348.00	93.98	270.00	6250.70	31.00	4291.35	136.64 N 4289.26 W	32.88467882 N	104.23847477 W	4291.43@ 271.82	2.01
10380.00	94.31	269.99	6248.39	32.00	4323.25	136.64 N 4321.17 W	32.88467889 N	104.23857874 W	4323.33@ 271.81	1.03
10412.00	94.76	270.26	6245.86	32.00	4355.13	136.71 N 4353.07 W	32.88467916 N	104.23868265 W	4355.22@ 271.80	1.64

SCANNED

Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-105 July 17, 2008								
		1. WELL API NO. 30-015-36751								
		2. Type of Lease ☒ STATE ☐ FEE ☐ FED/INDIAN								
		3. State Oil & Gas Lease No. LG-4436								
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes # 1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes # 1 through #9, # 15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)		5. Lease Name or Unit Agreement Name Snowball State Com								
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER		6. Well Number: 1 H								
8. Name of Operator Mack Energy Corporation		9. OGRID 013837								
10. Address of Operator P.O. Box 960 Artesia, NM 88210		11. Pool name or Wildcat Empire; Wolfcamp, Northwest								
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	A	36	16S	27E		355	North	330	East	Eddy
BH:	A	36	16S	27E		494	North	382	West	Eddy
13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released		16. Date Completed (Ready to Produce)		17. Elevations (DF and RKB, RT, GR, etc.)				
4/12/2010	5/12/2010	5/14/2010		8/31/2010		3470' GR				
18. Total Measured Depth of Well		19. Plug Back Measured Depth		20. Was Directional Survey Made?		21. Gamma Ray, Neutron, Density, Lateralog, Spectral Gamma Ray				
10,627'		10,527'		Yes						
22. Producing Interval(s), of this completion - Top, Bottom, Name 6,790-9,548.2' Empire; Wolfcamp, Northwest										
CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
9 5/8, J-55		36#		419'		14 3/4		400sx		None
7, P-110		26#		6200'		8 3/4		1175sx		None
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKCEMENT	SCREEN		25. TUBING RECORD				
4 1/2", P-110	5561	10527				SIZE	DEPTH SET	PACKER SET		
						2 7/8	5213'			
26. Perforation record (interval, size, and number) 6,790-9,548.2', .41, 276 holes										
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 6790-9542.5' See C-103 for details										
28. PRODUCTION										
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod or Shut-in)				
8/26/2010		2 1/2 x 2 x 24' pump				Producing				
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio			
9/8/2010	24 hours			330	290	450	879			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)				
			330	290	450	38.3				
29. Disposition of Gas (Sold, used for fuel, vented, etc)						30. Test Witnessed By				
Sold						Robert C. Chase				
31. List Attachments Logs and Deviation Survey										
32. If a temporary pit was used at the well, attach a plat with the location of temporary pit.										
33. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude				Longitude				NAD 1927 1983		
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature <u>Jerry W. Sherrell</u>		Printed Name <u>Jerry W. Sherrell</u>		Title <u>Production Clerk</u>			Date _____			
E-mail Address <u>jerrys@mcc.com</u>										