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DEC 07 2009 OCD Hobbs

HOBBSOCD

Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on reverse side.*

5 Lease Serial No
NMNM-40450

6 If Indian, Allottee or Tribe Name

7 If Unit or CA/Agreement, Name and/or No

1. Type of Well
☑ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
Bola 7 Federal #4

2. Name of Operator
Nadel and Gussman HEYCO, LLC

9. API Well No.
30-025-39554

3a. Address
PO BOX 1936 ~ ROSWELL NM 88202-1936

3b. Phone No. *(include area code)*
505.623.6601

10. Field and Pool, or Exploratory Area
Young; Bone Spring North

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
420' FNL & 660' FWL, Sec. 7, T18S, R32E, NW/4 NW/4

11. County or Parish, State
Lea, New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other **surface & inter. csg and cmt report**
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones Attach the Bond under which the work will be performed or provide the Bond No on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection)

BLM Bond No. NMB00520
Surety Bond NO. B004230

Spud date 11/11/09 at 8:30 pm.

Surface: 11/12/09
Run 23 jts. 13 3/8" 54.5# J55 ST&C, set at 1076', cemented with 620 SXS POZ"C" 6% Gel Lead, 200 SXS Class C Tail, circulated 119 bbl (353 SX) Cmt to pit, plugged dn at 5:58 pm11/12/09. Centralizers placed @ 1033.96, 996.41, 960.16, 923.81, 850.93.

Intermediate:11/15/09
Ran in hole with 82 jts, 9 5/8" 36# J55 set at 3110', cemented with 550 SXS 65:35:4 POZ'C' lead, 200 SXS "C" Neat Tail, circulated 63 bbls (169 sks) of cement to pit, plugged dn at 9:00 pm on 11/15/09. Centralizers placed @ 3071.05, 3032.68, 2994.90, 2957.18, 2882.36.

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
Tammy R. Link

Title **Production Tech**

Signature Tammy R. Link

Date **11/17/2009**

KZ

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

ACCEPTED FOR RECORD
PETROLEUM ENGINEER
DEC 2 2009
/s/ Dustin Winkler
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Approved by

Title

Date DEC 0 8 2009

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

SUMMARY CASING AND CEMENTING REPORT

STRING: **SURFACE** DATE: **11/12/2009**

OPERATOR: NADEL & GUSSMAN HEYCO WELL: **BOLA 7 FEDERAL # 4**
CONTRACTOR: PATRIOT RIG: #1
REP: KEITH CANNON

CASING DETAIL

HOLE SIZE: 17 1/2" DEPTH: 1076

17 1/2" HOLE	1076.00
FLOAT SHOE	1.50
	1074.50
1 JTS 13 3/8" 54.5# J55 STC Csg	36.54
	1037.96
5 1/2" FLOAT COLLAR	1.40
	1036.56
22 JTS 13 3/8" 54.5# J55 STC Csg	1055.74
	19.18
KB TO GL	18.50

CENTRALIZERS PLACED @ 1033.96, 996.41, 960.16, 923.81, 850.93

REMARKS:

TOTAL CASING DELIVERED.... 36 JTS 13 3/8" 54.5# J55 STC (1313.43)
ALL CASING WAS DRIFTED, CLEANED, & VISUALLY INSPECTED ON LOCATION.
FLOAT SHOE, 1 SHOE JTS, FLOAT INSERT, WERE THREAD LOCKED.
TAGGED BOTTOM NO FILL. CIRCULATED CAPACITY & ANNULAR VOLUME
WOC F/ 5HRS, CUT OFF COND & MADE FINAL CUT. WELD ON 13 3/8" WELL HEAD.

EXCESS CASING

CASING NOT USED .... 6 JTS 13 3/8" 54.5# J55 STC [181.70'].
DISPOSITION .... 6 JTS 13 3/8" 54.5# J55 TRANSFERRED TO NGP YARD (ARTESIA)

CEMENTING DATA

COMPANY: RISING STAR DISTRICT: HOBBS

1ST STAGE:

PREFLUSH: 20 bbls FW,

LEAD: 620 SKS POZ "C" 6%GEL,+5%SALT,+1/4#CF, 12.8 lb/sx, yeild 1.89 cu/ft.sx, 10.13 gal/sx

SUMMARY CASING AND CEMENTING REPORT

TAIL: 200 SKS CLASS C +.25%R-38. 14.80 lb/sx, yeild 1.32 cu/ft sx, 6.34 gal/sx

NOTE: NO PROBLEMS W/ PIPE OR CMT JOB. PLUG DN 5:58PM 11/12/09. CIRC 119 BBL (353 SX) CMT TO PIT. CK FLOW (HELD). HOBBS BLM REP.(MONTY) WITNESS CEMENT JOB.

DATE : 11/12/2009		WELL :				BOLA 7 FEDERAL # 4				
Casing OD	13 3/8	Grade	J-55	Displacement bbl/ft		0.00857	Burst	2950	Torque	
Casing ID	12.615	Weight	54.4#	Capacity bbl/ft		0.06368	Collapse	1370	2440 - 3050	
Jt # or Item	Item or Jt. Lgth.	Total Length	Calc'd disp / jt	Calc'd tot disp	Actual tot disp	Calc Bbl to fill jt	Calc tot fill	Actual tot fill	Remarks Centrilizers	Depth 1076
1	1.50	1.50	0.0129	0.0129		0.09552	0.0955		Shoe	1074.50
2	36.54	38.04	0.3131	0.3260		2.326867	2.4224		1x Cent	1037.96
3	1.40	39.44	0.0120	0.3380		0.089152	2.5115		Float Collar	1036.56
4	36.15	75.59	0.3098	0.6478		2.302032	4.8136		Centrilizers	1000.41
5	36.25	111.84	0.3107	0.9585		2.3084	7.1220		Centrilizers	964.16
6	36.35	148.19	0.3115	1.2700		2.314768	9.4367		Centrilizers	927.81
7	36.60	184.79	0.3137	1.5837		2.330688	11.7674			891.21
8	36.28	221.07	0.3109	1.8946		2.31031	14.0777		Centrilizers	854.93
9	36.47	257.54	0.3125	2.2071		2.32241	16.4001			818.46
10	35.62	293.16	0.3053	2.5124		2.268282	18.6684			782.84
11	36.41	329.57	0.3120	2.8244		2.318589	20.9870			746.43
12	36.53	366.10	0.3131	3.1375		2.32623	23.3132			709.90
13	36.30	402.40	0.3111	3.4486		2.311584	25.6248			673.60
14	36.46	438.86	0.3125	3.7610		2.321773	27.9466			637.14
15	36.58	475.44	0.3135	4.0745		2.329414	30.2760			600.56
16	36.54	511.98	0.3131	4.3877		2.326867	32.6029			564.02
17	35.99	547.97	0.3084	4.6961		2.291843	34.8947			528.03
18	36.53	584.50	0.3131	5.0092		2.32623	37.2210			491.50
19	36.27	620.77	0.3108	5.3200		2.309674	39.5306			455.23
20	36.56	657.33	0.3133	5.6333		2.328141	41.8588			418.67
21	36.42	693.75	0.3121	5.9454		2.319226	44.1780			382.25
22	36.56	730.31	0.3133	6.2588		2.328141	46.5061			345.69
23	36.51	766.82	0.3129	6.5716		2.324957	48.8311			309.18
24	36.24	803.06	0.3106	6.8822		2.307763	51.1389			272.94
25	36.40	839.46	0.3119	7.1942		2.317952	53.4568			236.54
26	36.57	876.03	0.3134	7.5076		2.328778	55.7856			199.97
27	36.39	912.42	0.3119	7.8194		2.317315	58.1029			163.58
28	36.45	948.87	0.3124	8.1318		2.321136	60.4240			127.13
29	36.57	985.44	0.3134	8.4452		2.328778	62.7528			90.56
30	36.57	1022.01	0.3134	8.7586		2.328778	65.0816			53.99
31	36.52	1058.53	0.3130	9.0716		2.325594	67.4072			17.47
32	36.65	1095.18	0.3141	9.3857		2.333872	69.7411			-19.18
33	36.55	1131.73	0.3132	9.6989		2.327504	72.0686		OUT	-55.73
34	36.76	1168.49	0.3150	10.0140		2.340877	74.4094		OUT	-92.49
35	36.13	1204.62	0.3096	10.3236		2.300758	76.7102		OUT	-128.62
36	36.52	1241.14	0.3130	10.6366		2.325594	79.0358		BAD PIN	-165.14
37	36.29	1277.43	0.3110	10.9476		2.310947	81.3467		BAD PIN	-201.43
38	36.00	1313.43	0.3085	11.2561		2.29248	83.6392		BAD PIN	-237.43
39	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
40	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
41	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
42	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
43	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
44	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
45	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
46	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43

47	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
48	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
49	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
50	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
51	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
52	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
53	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
54	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
55	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
56	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
57	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
58	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
59	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
60	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
61	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
62	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
63	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
64	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
65	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
66	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
67	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
68	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
69	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
70	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
71	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
72	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
73	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
74	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
75	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
76	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
77	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
78	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
79	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
80	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
81	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
82	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
83	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
84	0.00	1313.43	0.0000	11.2561		0	83.6392			-237 43
85	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
86	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
87	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
88	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
89	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
90	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
91	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
92	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
93	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
94	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
95	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
96	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
97	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
98	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43
99	0.00	1313.43	0.0000	11.2561		0	83.6392			-237.43

SUMMARY CASING AND CEMENTING REPORT

STRING: **INTERMEDIATE** DATE: **11/15/2009**

OPERATOR: NADEL & GUSSMAN HEYCO WELL: **BOLA 7 FEDERAL #4**
CONTRACTOR: PATRIOT RIG: #1
REP: KEITH CANNON

CASING DETAIL

HOLE SIZE: 12 1/4" DEPTH: 3110'

12 1/4" HOLE PIPE SET AT	3110.00
FLOAT SHOE	1.40
	3108.60
1 JTS 9 5/8" 36# J55 STC Csg	37.55
	3071.05
9 5/8" FLOAT INSERT	1.40
	3069.65
53 JTS 9 5/8" 36# J55 STC Csg	3076.50
	-6.85
KB TO GL	18.50

CENTRALIZERS PLACED @ 3071.05, 3032.68, 2994.90, 2957.18, 2882.36,

REMARKS:

TOTAL CASING DELIVERED.... 88 JTS 9 5/8" 36# J55 STC (3305.65')
ALL CASING WAS DRIFTED, CLEANED, & VISUALLY INSPECTED ON LOCATION.
FLOAT SHOE, 1 SHOE JTS, FLOAT INSERT, WERE THREAD LOCKED.
TAGGED BOTTOM NO FILL. CIRCULATED CAPACITY & ANNULAR VOLUME
WOC F/ 4HRS,

EXCESS CASING

CASING NOT USED .... 5 JTS 9 5/8" 36# J55 STC [189.00'].
DISPOSITION .... 5 JTS 36# J55 TRANSFERRED TO NGP YARD (ARTESIA)

CEMENTING DATA

COMPANY: RISING STAR DISTRICT: HOBBS

1ST STAGE:

PREFLUSH: 15 bbls FW SPACER

LEAD: 550 SKS 65:35:4 POZ'C' 5% SALT+1/4#CF+.25%R-38 12.40 LB/SKS, YEILD 2.09, WATER 11.61 GAL/SK

SUMMARY CASING AND CEMENTING REPORT

TAIL: 200 SKS "C"NEAT+.25%R-38 14.8 LB/SKS, YEILD 1.32, WATER 6.34 GAL/SK

NOTE: NO PROBLEMS W/ PIPE OR CMT JOB. PLUG DOWN @ 9:00PM 11/15/09, CIRC 63BBLS (169SKS) CALLED HOBBS BLM NO ANS. L/ MASSAGE ON MAILBOX 575-605-5984. NO WITNESS F/ CMT JOB

DATE : 11/15/2009		WELL :				BOLA 7 FEDERAL #4				
Casing OD	9 5/8	Grade	J-55 / STC	Displacement bbl/ft		0.01268	Burst	3520	Torque	
Casing ID	8.921	Weight	36#	Capacity bbl/ft		0.07730	Collapse	2020	2955-4925	
Jt # or Item	Item or Jt. Lgth.	Total Length	Calc'd disp / jt	Calc'd tot disp	Actual tot disp	Calc Bbl to fill jt	Calc tot fill	Actual tot fill	Remarks Centrilizers	Depth 3110
1	1.40	1.40	0.0178	0.0178		0.10822	0.1082		F/S	3108.60
2	37.55	38.95	0.4761	0.4939		2.902615	3.0108		Centrilizers	3071.05
3	1.20	40.15	0.0152	0.5091		0.09276	3.1036		F/C	3069.85
4	37.17	77.32	0.4713	0.9804		2.873241	5.9768		Centrilizers	3032.68
5	37.78	115.10	0.4791	1.4595		2.920394	8.8972		Centrilizers	2994.90
6	37.72	152.82	0.4783	1.9378		2.915756	11.8130		Centrilizers	2957.18
7	36.81	189.63	0.4668	2.4045		2.845413	14.6584			2920.37
8	38.01	227.64	0.4820	2.8865		2.938173	17.5966		Centrilizers	2882.36
9	36.52	264.16	0.4631	3.3495		2.822996	20.4196			2845.84
10	37.59	301.75	0.4766	3.8262		2.905707	23.3253			2808.25
11	38.12	339.87	0.4834	4.3096		2.946676	26.2720			2770.13
12	37.46	377.33	0.4750	4.7845		2.895658	29.1676			2732.67
13	37.19	414.52	0.4716	5.2561		2.874787	32.0424			2695.48
14	36.26	450.78	0.4598	5.7159		2.802898	34.8453			2659.22
15	38.15	488.93	0.4837	6.1996		2.948995	37.7943			2621.07
16	36.00	524.93	0.4565	6.6561		2.7828	40.5771			2585.07
17	37.97	562.90	0.4815	7.1376		2.935081	43.5122			2547.10
18	37.39	600.29	0.4741	7.6117		2.890247	46.4024			2509.71
19	38.25	638.54	0.4850	8.0967		2.956725	49.3591			2471.46
20	38.13	676.67	0.4835	8.5802		2.947449	52.3066			2433.33
21	38.08	714.75	0.4829	9.0630		2.943584	55.2502			2395.25
22	37.22	751.97	0.4719	9.5350		2.877106	58.1273			2358.03
23	38.14	790.11	0.4836	10.0186		2.948222	61.0755			2319.89
24	38.12	828.23	0.4834	10.5020		2.946676	64.0222			2281.77
25	36.97	865.20	0.4688	10.9707		2.857781	66.8800			2244.80
26	37.55	902.75	0.4761	11.4469		2.902615	69.7826			2207.25
27	36.39	939.14	0.4614	11.9083		2.812947	72.5955			2170.86
28	37.54	976.68	0.4760	12.3843		2.901842	75.4974			2133.32
29	37.17	1013.85	0.4713	12.8556		2.873241	78.3706			2096.15
30	38.10	1051.95	0.4831	13.3387		2.94513	81.3157			2058.05
31	37.28	1089.23	0.4727	13.8114		2.881744	84.1975			2020.77
32	37.47	1126.70	0.4751	14.2866		2.896431	87.0939			1983.30
33	37.48	1164.18	0.4752	14.7618		2.897204	89.9911			1945.82
34	38 14	1202.32	0.4836	15.2454		2 948222	92.9393			1907.68
35	36.88	1239.20	0.4676	15.7131		2.850824	95.7902			1870.80
36	37.21	1276.41	0.4718	16.1849		2.876333	98.6665			1833.59
37	37.18	1313.59	0.4714	16.6563		2.874014	101.5405			1796.41
38	38.12	1351.71	0.4834	17.1397		2.946676	104.4872			1758.29
39	37.96	1389.67	0.4813	17.6210		2.934308	107.4215			1720.33
40	38.12	1427.79	0.4834	18.1044		2.946676	110.3682			1682.21
41	37.50	1465.29	0.4755	18.5799		2.89875	113.2669			1644.71
42	37.51	1502.80	0.4756	19.0555		2.899523	116.1664			1607.20
43	38.16	1540.96	0.4839	19.5394		2.949768	119.1162			1569.04
44	37.00	1577.96	0.4692	20.0085		2.8601	121.9763			1532.04
45	37.06	1615.02	0.4699	20.4785		2.864738	124.8410			1494.98
46	36.76	1651.78	0.4661	20.9446		2 841548	127.6826			1458.22

47	37.90	1689.68	0.4806	21.4251		2.92967	130.6123			1420.32
48	37.66	1727.34	0.4775	21.9027		2.911118	133.5234			1382.66
49	37.47	1764.81	0.4751	22.3778		2.896431	136.4198			1345.19
50	37.94	1802.75	0.4811	22.8589		2.932762	139.3526			1307.25
51	37.83	1840.58	0.4797	23.3386		2.924259	142.2768			1269.42
52	37.06	1877.64	0.4699	23.8085		2.864738	145.1416			1232.36
53	36.96	1914.60	0.4687	24.2771		2.857008	147.9986			1195.40
54	37.69	1952.29	0.4779	24.7550		2.913437	150.9120			1157.71
55	37.80	1990.09	0.4793	25.2343		2.92194	153.8340			1119.91
56	37.44	2027.53	0.4747	25.7091		2.894112	156.7281			1082.47
57	37.80	2065.33	0.4793	26.1884		2.92194	159.6500			1044.67
58	38.15	2103.48	0.4837	26.6721		2.948995	162.5990			1006.52
59	37.60	2141.08	0.4768	27.1489		2.90648	165.5055			968.92
60	36.93	2178.01	0.4683	27.6172		2.854689	168.3602			931.99
61	37.84	2215.85	0.4798	28.0970		2.925032	171.2852			894.15
62	37.68	2253.53	0.4778	28.5748		2.912664	174.1979			856.47
63	37.49	2291.02	0.4754	29.0501		2.897977	177.0958			818.98
64	38.15	2329.17	0.4837	29.5339		2.948995	180.0448			780.83
65	37.39	2366.56	0.4741	30.0080		2.890247	182.9351			743.44
66	36.78	2403.34	0.4664	30.4744		2.843094	185.7782			706.66
67	37.03	2440.37	0.4695	30.9439		2.862419	188.6406			669.63
68	36.58	2476.95	0.4638	31.4077		2.827634	191.4682			633.05
69	38.11	2515.06	0.4832	31.8910		2.945903	194.4141			594.94
70	38 77	2553.83	0.4916	32.3826		2.996921	197.4111			556.17
71	37.37	2591.20	0.4739	32.8564		2.888701	200.2998			518.80
72	37.15	2628.35	0.4711	33.3275		2.871695	203.1715			481.65
73	37.30	2665.65	0.4730	33.8004		2.88329	206.0547			444.35
74	37.42	2703.07	0.4745	34.2749		2.892566	208.9473			406.93
75	38.13	2741.20	0.4835	34.7584		2.947449	211.8948			368.80
76	37.29	2778.49	0.4728	35.2313		2.882517	214.7773			331.51
77	37.69	2816.18	0.4779	35.7092		2.913437	217.6907			293.82
78	37.97	2854.15	0.4815	36.1906		2.935081	220.6258			255.85
79	37.83	2891.98	0.4797	36.6703		2.924259	223.5501			218.02
80	36.95	2928.93	0.4685	37.1388		2.856235	226.4063			181.07
81	37.74	2966.67	0.4785	37.6174		2.917302	229.3236			143.33
82	37.95	3004.62	0.4812	38.0986		2.933535	232.2571			105.38
83	36.93	3041.55	0.4683	38.5669		2.854689	235.1118			68.45
84	37.61	3079.16	0.4769	39.0437		2.907253	238.0191			30.84
85	37.49	3116.65	0.4754	39.5191		2.897977	240.9170			-6.65
86	38.04	3154.69	0.4823	40.0015		2.940492	243.8575		OUT	-44.69
87	37.80	3192.49	0.4793	40.4808		2.92194	246.7795		OUT	-82.49
88	37.47	3229.96	0.4751	40.9559		2.896431	249.6759		OUT	-119.96
89	37.53	3267.49	0.4759	41.4318		2.901069	252.5770		OUT	-157.49
90	38.16	3305.65	0.4839	41.9156		2.949768	255.5267		OUT	-195.65
91		3305.65	0.0000	41.9156		0	255.5267			-195.65
92		3305.65	0.0000	41.9156		0	255.5267			-195.65
93		3305.65	0.0000	41.9156		0	255.5267			-195.65
94		3305.65	0.0000	41.9156		0	255.5267			-195.65
95		3305.65	0.0000	41.9156		0	255.5267			-195.65
96		3305.65	0.0000	41.9156		0	255.5267			-195.65
97		3305.65	0.0000	41.9156		0	255.5267			-195.65
98		3305.65	0.0000	41.9156		0	255.5267			-195.65
99		3305.65	0.0000	41.9156		0	255.5267			-195.65