

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-045-23493
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☐ FEE ☐
2. Name of Operator BP America Production Company		6. State Oil & Gas Lease No. Federal Lease NMSF079947
3. Address of Operator 737 North Eldridge Parkway, 12.181A Houston, TX 77079		7. Lease Name or Unit Agreement Name Helen Jackson
4. Well Location Unit Letter O_: 800 feet from the South line and 1670 feet from the East line Section 34 Township 29N Range 09W NMPM County San Juan		8. Well Number 1A
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5811'		9. OGRID Number 000778
		10. Pool name or Wildcat Basin Dakota, Blanco-Mesaverde

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☒
CLOSED-LOOP SYSTEM ☒
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

BP America Production Company respectfully requests permission to downhole commingle the existing Basin Dakota and Blanco-Mesaverde formations in the subject well.

The Basin Dakota (71599) & Blanco-Mesaverde (72319) pools are pre-approved for DHC per NMOCD Case No. 12346; Order No. R-11363 effective 4/26/2000. The interest owners are identical, therefore notification is not required. Please see attached Land Letter.

Production will be based on a fixed percentage as follows: Basin Dakota= Gas 25%, Oil 25%, Water 25% and Blanco-Mesaverde= Gas 75%, Oil 75%, Water 75%. Please see the attached documentation supporting our allocation.

Commingle production downhole in the subject well from the proposed pools will not reduce the value of the total remaining production.

Please see attached DHC procedure, wellbore schematics, and C-102 plats. BLM Notified via 3160-5 form for Federal Lease NMSF079947.

Spud Date: 09/26/1979

Rig Release Date: DHC #3944 AZ

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Toya Colvin TITLE Regulatory Analyst DATE 08/06/2015

Type or print name Toya Colvin E-mail address: Toya.Colvin@bp.com PHONE: 281-366-7148

For State Use Only

APPROVED BY: [Signature] TITLE DEPUTY OIL & GAS INSPECTOR DATE 8/13/2015

Conditions of Approval (if any):

AV

DISTRICT #3

Helen Jackson 001A-MV/DK

API # 30-045-23493-00

Location: Unit O - Sec 34 - T29N - R09W

San Juan County, New Mexico

Reason/Background for Job

The proposed work is to pull the current completion, downhole commingle the Mesaverde and Dakota formations, and produce the well up a single tubing string via plunger lift at an optimized tubing depth.

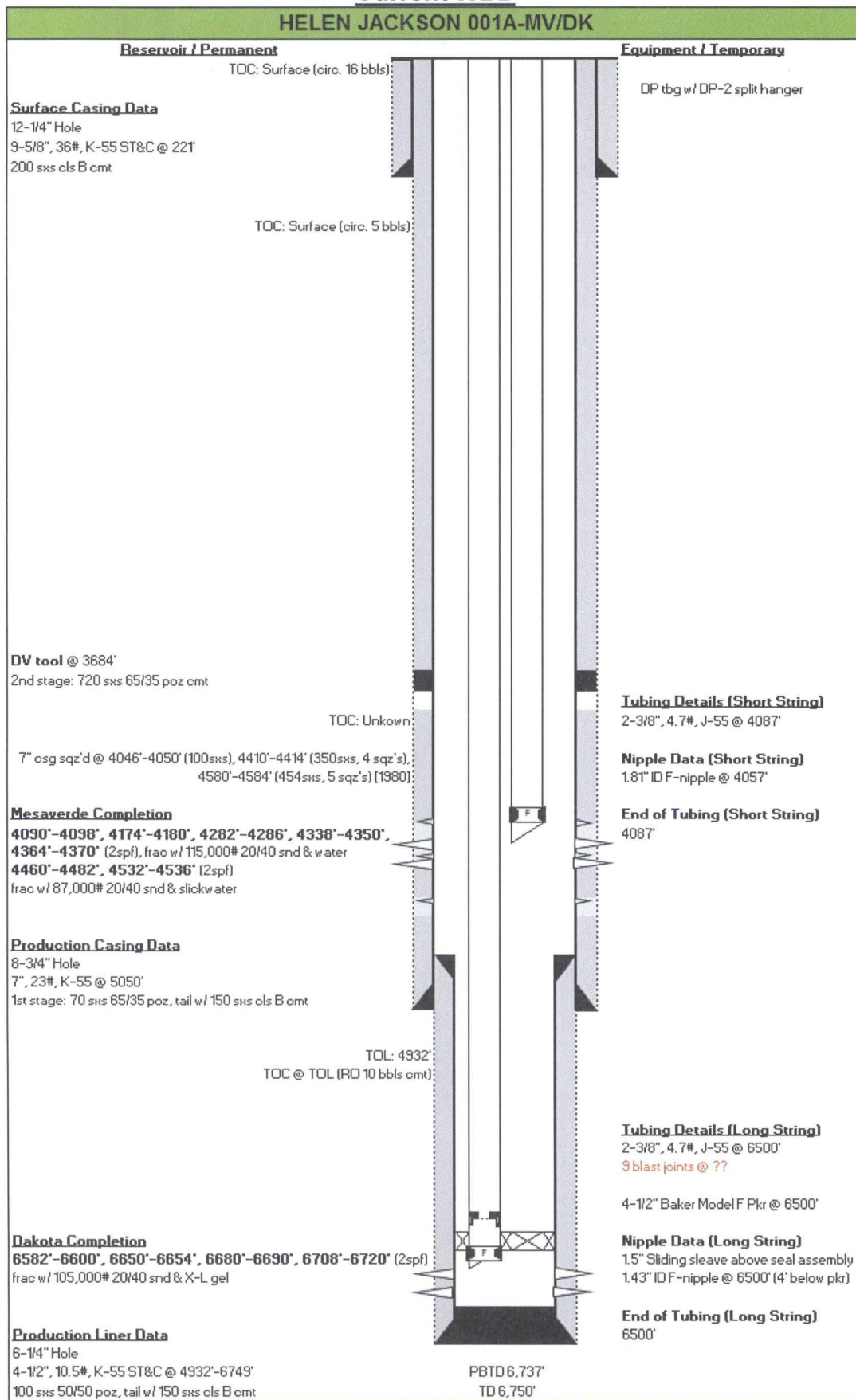
The Helen Jackson 001A-MV/DK is currently configured with a dual completion originally installed in 1980. The long string is landed roughly 80ft above the top Dakota perf and the short string is landed at the top of the Cliff House, leading to ineffective deliquification of the Dakota and most of the Mesaverde gross interval.

Basic job procedure

1. Pull tubing (short string and long string)
2. Mill 4-1/2" packer @ 6,500'
3. Cleanout to PBTD (6737')
4. Land tubing @ +/- 6585'
5. Return well to production

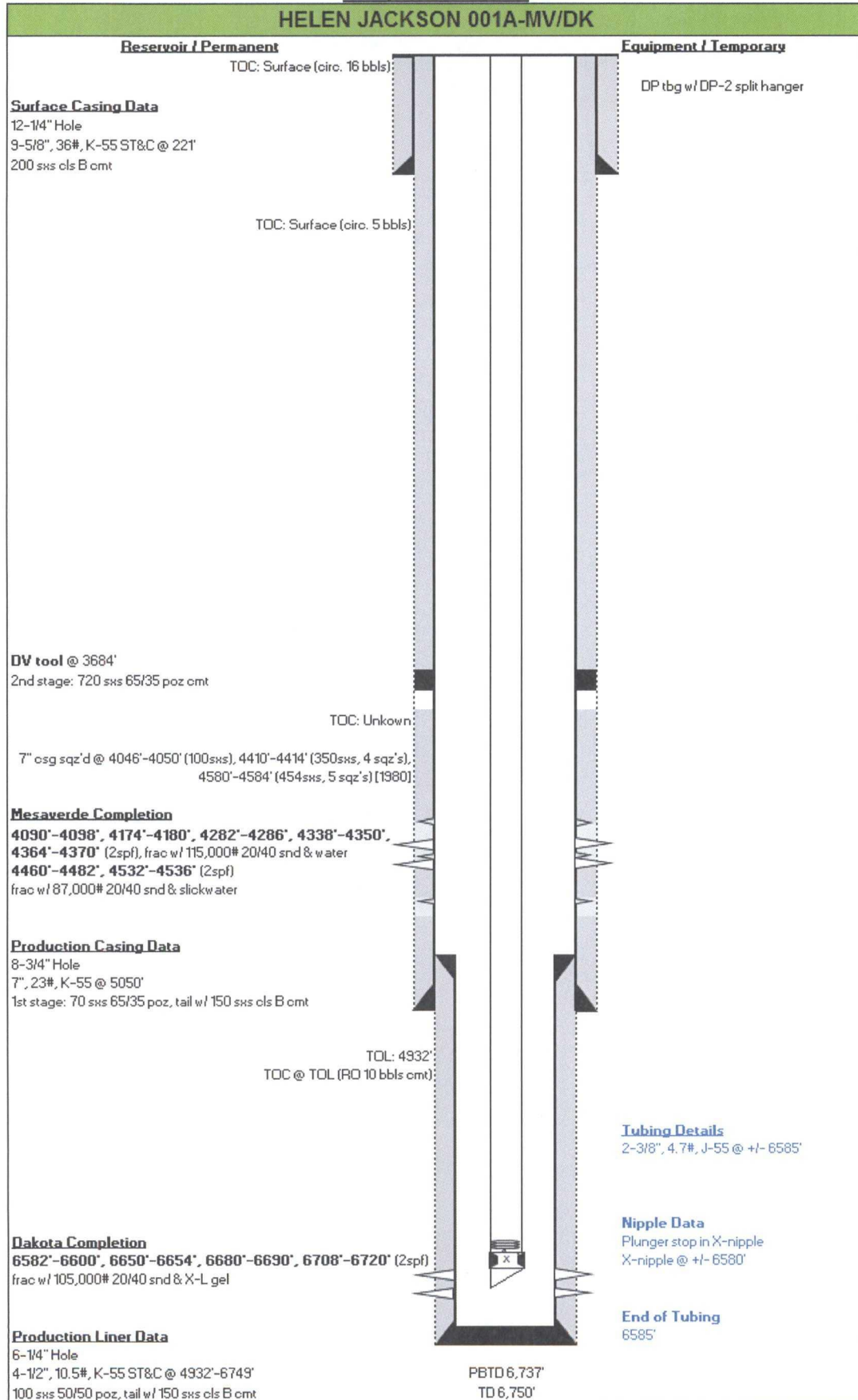
Current WBD

HELEN JACKSON 001A-MV/DK



Proposed WBD

HELEN JACKSON 001A-MV/DK





BP America Production Co.
Lower 48 Onshore

Craig T. Ferguson
craig.ferguson@bp.com
281-366-1988 (direct)

E3, 12.173B
501 Westlake Park Boulevard
Houston, Texas 77079

July 29, 2015

Ms. Toya Colvin – Regulatory Analyst
BP America Production Company
501 Westlake Park Blvd.
Houston, TX 77079

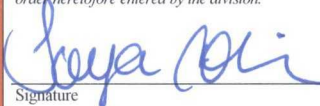
RE: Surface Commingle
API # 30-045-23493
SE/4 Section 34-T29N-R9W
San Juan County, NM, and
API #30-045-11721
SE/4 Section 34-T29N-R9W
San Juan County, NM

Ms. Colvin:

On behalf of BP America Production Company (“BP”), operator of the Helen Jackson 001A (MV/DK)) 320.0 acre unit defined as the E/2 and the Helen Jackson 006 (PC) 160 acre unit defined as the SE/4, I have reviewed BP’s division order records and other title records concerning the above reference wells and determined the following WI interest for both:

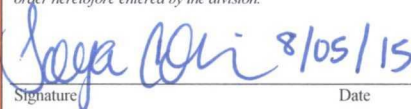
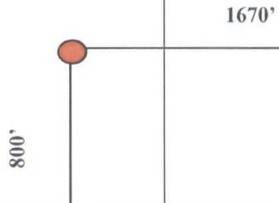
The Helen Jackson 001A and Helen Jackson 006 consist of one (1) Federal lease:
SF-079947: 320.0 Acres, 1/8th Royalty

Helen Jackson 001A (API #3004523493)	WI
BP America Production Cos.	50.0%
ConocoPhillips	50.0%
Helen Jackson 006 (API #3004511721)	WI
BP America Production Cos.	50.0%
ConocoPhillips	50.0%

16			17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>  Signature 8/05/15 Date Toya Colvin Printed Name Toya.Colvin@bp.com E-mail Address
			18 SURVEYOR CERTIFICATION <i>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.</i> Date of Survey Signature and Seal of Professional Surveyor: Previously Filed Certificate Number

800'

1670'

16				17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>  8/05/15 Signature Date Toya Colvin Printed Name Toya.Colvin@bp.com E-mail Address
				18 SURVEYOR CERTIFICATION <i>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.</i> Date of Survey Signature and Seal of Professional Surveyor: Previously Filed Certificate Number
				

Proposed Allocation for Helen Jackson 001A Downhole Commingle

Helen Jackson 001A-MV/DK (dual well DHC)	Gas	Oil	Water
Mesaverde	75%	75%	75%
Dakota	25%	25%	25%

Proposed total production w/ compression
+/- 160 mcf/d

Gas Analysis			
Helen Jackson 001A-MV		Helen Jackson 001A-DK	
Date	4/11/2015	Date	3/23/2011
Dry BTU	1310.3	Dry BTU	1275
Specific Gravity	0.76	Specific Gravity	0.7423

Production Data

Helen Jackson 001A-MV
Not Compressed

Helen Jackson 001A-DK
Not Compressed

Florance 117-DK
Not Compressed

Florance 042-MV
Compressed

Date	Gas Volume
7/26/2015	27
7/25/2015	80
7/24/2015	95
7/23/2015	100
7/22/2015	96
7/21/2015	78
7/20/2015	65
7/19/2015	63
7/18/2015	78
7/17/2015	82
7/16/2015	92
7/15/2015	98
7/14/2015	87
7/13/2015	111
7/12/2015	68
7/11/2015	66
7/10/2015	72
7/9/2015	82
7/8/2015	83
7/7/2015	81
7/6/2015	80
7/5/2015	99
7/4/2015	70
7/3/2015	68
7/2/2015	66
7/1/2015	68
6/30/2015	71
6/29/2015	88
6/28/2015	112
6/27/2015	84
6/26/2015	66
6/25/2015	66
6/24/2015	91
6/23/2015	80
6/22/2015	90
6/21/2015	94
6/20/2015	100
6/19/2015	107
6/18/2015	129
6/17/2015	79

Date	Gas Volume
7/26/2015	30
7/25/2015	1
7/24/2015	1
7/23/2015	1
7/22/2015	14
7/21/2015	1
7/20/2015	1
7/19/2015	3
7/18/2015	7
7/17/2015	7
7/16/2015	0
7/15/2015	15
7/14/2015	15
7/13/2015	0
7/12/2015	1
7/11/2015	1
7/10/2015	13
7/9/2015	8
7/8/2015	18
7/7/2015	18
7/6/2015	14
7/5/2015	16
7/4/2015	2
7/3/2015	2
7/2/2015	2
7/1/2015	12
6/30/2015	7
6/29/2015	0
6/28/2015	0
6/27/2015	0
6/26/2015	0
6/25/2015	0
6/24/2015	0
6/23/2015	0
6/22/2015	0
6/21/2015	0
6/20/2015	0
6/19/2015	0
6/18/2015	0
6/17/2015	0

Date	Gas Volume
7/26/2015	33
7/25/2015	48
7/24/2015	31
7/23/2015	18
7/22/2015	42
7/21/2015	46
7/20/2015	29
7/19/2015	30
7/18/2015	48
7/17/2015	43
7/16/2015	39
7/15/2015	0
7/14/2015	0
7/13/2015	14
7/12/2015	22
7/11/2015	17
7/10/2015	28
7/9/2015	34
7/8/2015	41
7/7/2015	41
7/6/2015	41
7/5/2015	0
7/4/2015	0
7/3/2015	19
7/2/2015	32
7/1/2015	37
6/30/2015	39
6/29/2015	37
6/28/2015	38
6/27/2015	38
6/26/2015	36
6/25/2015	17
6/24/2015	17
6/23/2015	39
6/22/2015	37
6/21/2015	37
6/20/2015	37
6/19/2015	28
6/18/2015	15
6/17/2015	36

Date	Gas Volume
7/26/2015	0
7/25/2015	42
7/24/2015	85
7/23/2015	59
7/22/2015	112
7/21/2015	113
7/20/2015	111
7/19/2015	116
7/18/2015	112
7/17/2015	117
7/16/2015	113
7/15/2015	118
7/14/2015	115
7/13/2015	118
7/12/2015	117
7/11/2015	120
7/10/2015	120
7/9/2015	122
7/8/2015	127
7/7/2015	76
7/6/2015	119
7/5/2015	121
7/4/2015	117
7/3/2015	122
7/2/2015	119
7/1/2015	119
6/30/2015	118
6/29/2015	125
6/28/2015	122
6/27/2015	123
6/26/2015	126
6/25/2015	129
6/24/2015	132
6/23/2015	112
6/22/2015	128
6/21/2015	136
6/20/2015	144
6/19/2015	86
6/18/2015	100
6/17/2015	126

4/10/2015	88
4/9/2015	84
4/8/2015	83
4/7/2015	86
4/6/2015	88
4/5/2015	108
4/4/2015	99
4/3/2015	80
4/2/2015	75
4/1/2015	79
3/31/2015	93
3/30/2015	81
3/29/2015	82
3/28/2015	82
3/27/2015	92
3/26/2015	85
3/25/2015	73
3/24/2015	74
3/23/2015	78
3/22/2015	89
3/21/2015	86
3/20/2015	79
3/19/2015	96
3/18/2015	132
3/17/2015	113
3/16/2015	78
3/15/2015	84
3/14/2015	80
3/13/2015	84
3/12/2015	89
3/11/2015	98
3/10/2015	101
3/9/2015	92
3/8/2015	101
3/7/2015	104
3/6/2015	209
3/5/2015	62
3/4/2015	133
3/3/2015	82
3/2/2015	74
3/1/2015	72
2/28/2015	46
2/27/2015	69
2/26/2015	74
2/25/2015	43
2/24/2015	47
2/23/2015	50
2/22/2015	108
2/21/2015	100
2/20/2015	98
2/19/2015	112
2/18/2015	114
2/17/2015	129
2/16/2015	119
2/15/2015	112
2/14/2015	140
2/13/2015	117
2/12/2015	111
2/11/2015	131
2/10/2015	131
2/9/2015	89
2/8/2015	68
2/7/2015	345
2/6/2015	149
2/5/2015	329
2/4/2015	50
2/3/2015	111

4/10/2015	0
4/9/2015	0
4/8/2015	0
4/7/2015	0
4/6/2015	0
4/5/2015	0
4/4/2015	0
4/3/2015	0
4/2/2015	0
4/1/2015	0
3/31/2015	0
3/30/2015	0
3/29/2015	0
3/28/2015	0
3/27/2015	0
3/26/2015	0
3/25/2015	0
3/24/2015	0
3/23/2015	0
3/22/2015	0
3/21/2015	0
3/20/2015	0
3/19/2015	0
3/18/2015	0
3/17/2015	0
3/16/2015	0
3/15/2015	0
3/14/2015	0
3/13/2015	0
3/12/2015	0
3/11/2015	0
3/10/2015	0
3/9/2015	0
3/8/2015	0
3/7/2015	0
3/6/2015	0
3/5/2015	0
3/4/2015	0
3/3/2015	0
3/2/2015	0
3/1/2015	0
2/28/2015	0
2/27/2015	0
2/26/2015	0
2/25/2015	0
2/24/2015	0
2/23/2015	0
2/22/2015	0
2/21/2015	0
2/20/2015	0
2/19/2015	0
2/18/2015	0
2/17/2015	0
2/16/2015	0
2/15/2015	0
2/14/2015	0
2/13/2015	0
2/12/2015	0
2/11/2015	0
2/10/2015	0
2/9/2015	0
2/8/2015	0
2/7/2015	0
2/6/2015	0
2/5/2015	0
2/4/2015	0
2/3/2015	0

4/10/2015	36
4/9/2015	32
4/8/2015	37
4/7/2015	36
4/6/2015	36
4/5/2015	37
4/4/2015	32
4/3/2015	36
4/2/2015	36
4/1/2015	37
3/31/2015	36
3/30/2015	34
3/29/2015	34
3/28/2015	36
3/27/2015	37
3/26/2015	36
3/25/2015	34
3/24/2015	37
3/23/2015	33
3/22/2015	38
3/21/2015	38
3/20/2015	38
3/19/2015	38
3/18/2015	35
3/17/2015	40
3/16/2015	34
3/15/2015	0
3/14/2015	0
3/13/2015	0
3/12/2015	9
3/11/2015	14
3/10/2015	33
3/9/2015	0
3/8/2015	0
3/7/2015	4
3/6/2015	16
3/5/2015	20
3/4/2015	22
3/3/2015	19
3/2/2015	31
3/1/2015	36
2/28/2015	37
2/27/2015	38
2/26/2015	19
2/25/2015	0
2/24/2015	5
2/23/2015	4
2/22/2015	7
2/21/2015	22
2/20/2015	32
2/19/2015	38
2/18/2015	26
2/17/2015	40
2/16/2015	37
2/15/2015	37
2/14/2015	36
2/13/2015	34
2/12/2015	38
2/11/2015	38
2/10/2015	38
2/9/2015	38
2/8/2015	39
2/7/2015	39
2/6/2015	27
2/5/2015	0
2/4/2015	25
2/3/2015	31

4/10/2015	46
4/9/2015	51
4/8/2015	39
4/7/2015	2
4/6/2015	0
4/5/2015	0
4/4/2015	0
4/3/2015	0
4/2/2015	0
4/1/2015	0
3/31/2015	0
3/30/2015	0
3/29/2015	0
3/28/2015	0
3/27/2015	0
3/26/2015	0
3/25/2015	0
3/24/2015	0
3/23/2015	40
3/22/2015	40
3/21/2015	93
3/20/2015	94
3/19/2015	83
3/18/2015	120
3/17/2015	133
3/16/2015	83
3/15/2015	55
3/14/2015	121
3/13/2015	121
3/12/2015	121
3/11/2015	113
3/10/2015	136
3/9/2015	76
3/8/2015	62
3/7/2015	130
3/6/2015	84
3/5/2015	33
3/4/2015	88
3/3/2015	54
3/2/2015	78
3/1/2015	91
2/28/2015	2
2/27/2015	103
2/26/2015	121
2/25/2015	120
2/24/2015	121
2/23/2015	125
2/22/2015	124
2/21/2015	122
2/20/2015	121
2/19/2015	127
2/18/2015	128
2/17/2015	119
2/16/2015	88
2/15/2015	80
2/14/2015	136
2/13/2015	85
2/12/2015	86
2/11/2015	100
2/10/2015	139
2/9/2015	84
2/8/2015	55
2/7/2015	131
2/6/2015	87
2/5/2015	130
2/4/2015	101
2/3/2015	133

Offset Comparison

