FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL

OMB Number: 3235-0287 Estimated average burden hours per response 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b)

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>BERTHELSEN SPENCER R</u>						2. Issuer Name and Ticker or Trading Symbol ISIS PHARMACEUTICALS INC [ISIS]								elationship of ck all applica Director	ble)	p Perso	10% Ow	ner
	st) (First) (Middle) O ISIS PHARMACEUTICALS, INC. 55 GAZELLE COURT				3. Date of Earliest Transaction (Month/Day/Year) 07/01/2015									Officer (below)	give title	Other (sp below)		pecify
(Street) CARLSBAD CA 92010				4. If Amendment, Date of Original Filed (Month/Day/Year)								6. In Line	ividual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																	
1. Title of Security (Instr. 3) 2. Trans Date					2A. De Execut if any	2A. Deemed Execution Date,		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4		(A) or	5. Amount Securities Beneficially Owned Fol		Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership	
									Code	v	Amount	(A) or (D)	Price		Transaction(s) (Instr. 3 and 4)			(Instr. 4)
Common Stock 07/0					/2015	07/0	07/01/2015		M ⁽¹⁾		469	A	\$0	60,8	60,864		D	
Common Stock 0'				07/01	07/01/2015		07/01/2015		M ⁽²⁾		667	A	\$0	61,5	61,531		D	
Common Stock				07/02/2015		07/02/2015		5	M ⁽³⁾		312	A	\$0	61,8	61,843		D	
Common Stock													70(4)				By Daughter	
Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																		
1. Title of Derivative Security (Instr. 3)	vative Conversion Date Execution Date or Exercise (Month/Day/Year) if any		Code (Instr.		of E		Expir	te Exer ration D ith/Day/	ate	of Securities Underlying Derivative S (Instr. 3 and		ies g Security nd 4)	Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Cod	e V	(A)		Date Exerc	cisable		xpiration ate	Title	or Number of Shares					

469

667

312

2.667

16,000

\$0

\$0

\$0

\$0

\$<mark>0</mark>

937

2,000

312

2,667

16,000

D

D

D

D

D

(6)

(7)

(8)

(9)

06/30/2025(10)

Commor

Common

Common

Stock

Common

Stock

Stock

Stock

Explanation of Responses:

Restricted

Units Restricted

Stock

Units Restricted

Stock

Units Restricted

Units Director Stock

Option

buy)

(5)

(5)

(5)

(5)

\$57.16

07/01/2015

07/01/2015

07/02/2015

07/01/2015

07/01/2015

1. Acquired pursuant to vesting and release of shares pursuant to a Restricted Stock Unit award granted on July 1, 2013.

07/01/2015

07/01/2015

07/02/2015

07/01/2015

07/01/2015

- 2. Acquired pursuant to vesting and release of shares pursuant to a Restricted Stock Unit award granted on July 1, 2014.
- 3. Acquired pursuant to vesting and release of shares pursuant to a Restricted Stock Unit award granted on July 2, 2012.
- 4. The reporting person disclaims beneficial ownership of all securities held by his daughter, and this report should not be deemed an admission that the reporting person is the beneficial owner of such securities for purposes of Section 16 or for any other purpose.
- 5. Each Restricted Stock Unit represents a contingent right to receive one share of Isis common stock, or its equivalent cash value.

М

M

М

Α

2.667

16,000

469

66

312

(6)

(7)

(8)

(9)

07/01/2016⁽¹⁰⁾

- 6. Restricted Stock Unit Award granted on July 1, 2013. Restricted Stock Units vest in equal annual installments, the first installment vested on July 1, 2014. Upon vesting, the restricted stock units will be paid out in whole shares of Isis common stock or cash as may be determined by the Company. The RSU shall be fully vested on July 1, 2017.
- 7. Restricted Stock Unit Award granted on July 1, 2014. Restricted Stock Units vest in equal annual installments, the first installment vested on July 1, 2015. Upon vesting, the restricted stock units will be paid out in whole shares of Isis common stock or cash as may be determined by the Company. The RSU shall be fully vested on July 1, 2018.
- 8. Restricted Stock Unit Award granted on July 2, 2012. Restricted Stock Units vest in equal annual installments, the first installment vested on July 2, 2013. Upon vesting, the restricted stock units will be paid out in whole shares of Isis common stock or cash as may be determined by the Company. The RSU shall be fully vested on July 2, 2016.
- 9. Grant of July 1, 2015 to reporting person of Restricted Stock Unit Award under the Isis Pharmacueticals, Inc. Amended and Restated 2002 Non-Employee Directors' Stock Option Plan. Restricted Stock Units vest in four equal annual installments, the first installment vesting on July 1, 2016. Upon vesting, the restricted stock units will be paid out in whole shares of Isis common stock or cash as may be determined by the Company. The RSU shall be fully vested on July 1, 2019. The RSU is vested as to 0 shares on July 1, 2015.
- 10. Grant of July 1, 2015 to reporting person of stock options under the Isis Pharmacueticals, Inc. Amended & Restated 2002 Non-Employee Directors' Stock Option Plan. The option vests and becomes exercisable in four equal annual installments, the first installment vesting on 7/1/2016. The option shall be fully vested and exercisable on 7/1/2019. The stock option was exercisable as to 0 shares on 7/1/2015.

Remarks:

/s/B. Lynne Parshall, attorney-

in-fact** Signature of Reporting Person

<u>07/02/2015</u>

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- * If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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