

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-104

Revised August 1, 2011

APR 29 2015

Submit one copy to appropriate District Office

RECEIVED

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Devon Energy Production Company, L.P. 333 West Sheridan, Oklahoma City, OK 73102		² OGRID Number 6137
		³ Reason for Filing Code/ Effective Date NW / 3/23/15
⁴ API Number 30-015-42505	⁵ Pool Name Paduca; Bone Spring	⁶ Pool Code 96641
⁷ Property Code 313486	⁸ Property Name Cotton Draw 14 Fed	⁹ Well Number 4H

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	14	25S	31E		330	North	1150	East	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
P	14	25S	31E		344	South	320	East	Eddy

¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
F	F	3/23/15			

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
020445	Plains Marketing P.O. Box 4648 Houston, TX 77210	Oil
036785	DCP Midstream P.O. Box 50020 Midland, TX 79710-0020	Gas

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBDT	²⁵ Perforations	²⁶ DHC, MC
11/29/14	3/23/15	14838 / 10485	14787.5	10522 - 14773	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8"	765	820 sx CIC; Circ 269 sx		
12-1/4"	9-5/8"	4330	2065 sx cmt; Circ 73 bbls		
8-3/4"	5-1/2"	14835	2785 sx cmt; Circ 0		
	Tubing: 2-7/8"	9722.1			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
4/17/15	4/17/15	4/17/15	24 hrs	1850 psi	550 psi
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method	
	830 bbl	1866 bbl	1936 mcf		

⁴² 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: *Megan Moravec*
Printed name: Megan Moravec
Title: Regulatory Compliance Analyst
E-mail Address: megan.moravec@dmn.com
Date: 4/27/2015

OIL CONSERVATION DIVISION	
Approved by: <i>J. Dado</i>	Title: <i>Dist. Supervisor</i>
Approval Date: 5-1-15	
Pending BLM approvals will subsequently be reviewed and scanned	

Provide signature page for Survey

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

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.

5. Lease Serial No.
NMLC061862

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

8. Well Name and No.
COTTON DRAW 14 FED 4H

9. API Well No.
30-015-42505

10. Field and Pool, or Exploratory
PADUCA; BONE SPRING

11. County or Parish, and State
EDDY COUNTY COUNTY, NM

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
DEVON ENERGY PRODUCTION COMPANY
Contact: MEGAN MORAVEC
megan.moravec@dvn.com

3a. Address
333 WEST SHERIDAN AVENUE
OKLAHOMA CITY, OK 73102

3b. Phone No. (include area code)
Ph: 405-552-3622

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 14 T25S R31E NENE 330FNL 1150FEL

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Drilling Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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.)

(11/29/14-12/2/14) Spud @ 20:00. TD 17-1/2? hole @ 770?. RIH w/ 19 jts 13-3/8? 48# H-40 STC, set @ 765?. Lead w/ 820 sx CIC, yld 1.34 cu ft/sk. Disp w/ 113 bbls FW. Circ 269 sx cmt to surf. PT BOPE @ 250 psi for 10 min & 3000 psi for 10 min, OK. PT top drive to pumps @ 250/4000 psi, OK. PT csg to 1200 psi for 30 min, OK.
(12/6/14-12/9/14) TD 12-1/4? hole @ 4340?. RIH w/ 83 jts 9-5/8? 36# J-55 LTC, followed by 22 jts 9-5/8? 40# J-55 LTC csg, set @ 4330?. Lead w/ 1640 sx Econocem cmt, yld 1.87 cu ft/sk. Tail w/ 425 sx Halcem cmt, yld 1.33 cu ft/sk. Disp w/ 331 bbls FW. Circ 73 bbls cmt to surf. PT csg to 2464 psi for 30 min, OK.

(12/20/14-12/25/14) TD 8-3/4? hole @ 14838?. RIH w/ 340 jts 5-1/2? 17# P-110 BT csg, set @ 14835?. 1st stage cmt lead w/ 1190 sx CIH, yld 2.30 cu ft/sk. Tail w/ 1085 sx CIH, yld 1.22 cu ft/sk. Open DVT, set @ 4502.7?. Circ 350 bbls mud, no cmt to surf. 2nd stage cmt lead w/ 315 sx Tuned Light

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #287368 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION COMPAN, sent to the Carlsbad

Name (Printed/Typed) MEGAN MORAVEC Title REGULATORY ANALYST

Signature (Electronic Submission) Date 01/08/2015

THIS SPACE FOR FEDERAL OR STATE OF

Pending BLM approvals will subsequently be reviewed and scanned *MD*

Approved By _____ Title _____ Date _____

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.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Additional data for EC transaction #287368 that would not fit on the form

32. Additional remarks, continued

cmt, yld 3.37 cu ft/sk. Tail w/ 195 sx CIC, yld 1.33 cu ft/sk. Disp w/ 103 bbis H2O. TOC @ 3800?.
RR @ 06:00.

NM OIL CONSERVATION
ARTESIA DISTRICT

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APR 29 2015

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

RECEIVED

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.

5. Lease Serial No. **BHL: NMLC061862**

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2.

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

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
Cotton Draw 14 Fed 4H

2. Name of Operator
Devon Energy Production Company, L.P.

9. API Well No.
30-015-42505

3a. Address
333 West Sheridan, Oklahoma City, OK 73102

3b. Phone No. (include area code)
405-228-4248

10. Field and Pool or Exploratory Area
Paduca; Bone Spring

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
330' FNL & 1150' FEL Unit A, Sec 14, T25S, R31E
344' FSL & 320' FEL Unit P, Sec 14, T25S, R31E **PP: 488' FNL & 1033' FEL**

11. Country or Parish, State
Eddy, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Completion Report
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

2/28/15-3/23/15: MIRU WL & PT. TIH & ran CBL, found TOC @ 2788'. TIH w/pump through frac plug and guns. Perf Bone Spring, 10522'-14773', total 708 holes. Frac'd 10522'-14773' in 16 stages. Frac totals 57,224 gals 7.5% NEFE Acid, 1,290,964# 100 Mesh, 3,453,083# Prem White 40/70, 1,780,698# CRC 30/50. ND frac, MIRU PU, NU BOP, DO plugs @ CO to PBDT 14787.5'. CHC, ND BOP. RIH w/323 jts 2-7/8" L-80 tbg, set @ 9722.1'. TOP.

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed) **Megan Moravec** Title **Regulatory Compliance Analyst**

Signature *Megan Moravec* Date **4/27/2015**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____

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 _____

Pending BLM approvals will subsequently be reviewed and scanned

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 fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Agency of the United States any false,

NM OIL CONSERVATION
ARTESIA DISTRICT

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APR 29 2015

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

5. Lease Serial No. BHL: NMLC061862

1a. Type of Well Oil Well Gas Well Dry Other
 b. Type of Completion: New Well Work Over Deepen Plug Back Diff. Reserv.
 Other: _____

6. If Indian, Allottee or Tribe Name
 7. Unit or CA Agreement Name and No.

2. Name of Operator **Devon Energy Production Company, L.P.**

8. Lease Name and Well No.
Cotton Draw 14 Fed 4H

3. Address **333 West Sheridan Ave, Oklahoma City, OK 73102** 3a. Phone No. (include area code) **405-228-4248**

9. AFI Well No.
30-015-42505

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **330' FNL & 1150' FEL Unit A, Sec 14, T25S, R31E**

10. Field and Pool or Exploratory
Paduca; Bone Spring

At top prod. interval reported below
 At total depth **344' FSL & 320' FEL Unit P, Sec 14, T25S, R31E**

11. Sec., T., R., M., on Block and Survey or Area.
Sec 14, T25S, R31E

12. County or Parish **Eddy** 13. State **NM**

14. Date Spudded **11/29/14** 15. Date T.D. Reached **12/20/14** 16. Date Completed **3/23/15**
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
GL: 3415.3

18. Total Depth: MD **14838** 19. Plug Back T.D.: MD **14787.5** 20. Depth Bridge Plug Set: MD **14787.5**
 TVD **10484.8** TVD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL/ GR / CCL

22. Was well cored? No Yes (Submit analysis)
 Was DST run? No Yes (Submit report)
 Directional Survey? No Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17-1/2"	13-3/8" H-40	48#	0	765		820 sx CIC		0	269 sx
12-1/4"	9-5/8" J-55	36# & 40#	0	4330		2065 sx cmt		0	73 bbls
8-3/4"	5-1/2" P-110	17#	0	14835	DV @ 4502.7	2785 sx cmt		2788	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	9722.1							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Bone Spring	10522	14773	10522 - 14773		708	open
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
10522 - 14773	57,224 gals 7.5% NEFE Acid, 1,290,964# 100 Mesh, 3,453,083# Prem White 40/70, 1,780,698# CRC 30/50

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
3/23/15	4/17/15	24	→	830	1936	1866			Flow
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	1850psi	550psi	→				2332.5		

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

Pending BLM approvals will subsequently be reviewed and scanned *ASD*

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Bone Spring	9677			2nd BS Limestone 2nd BS Sandstone	9677
					9989

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)
 Geologic Report
 DST Report
 Directional Survey
 Sundry Notice for plugging and cement verification
 Core Analysis
 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Megan Moravec Title Regulatory Compliance Analyst
 Signature *Megan Moravec* Date 4/27/2015

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.



Directional Survey

Sub-Division: DELAWARE BASIN	County: EDDY	Field Name: PADUCA	Region: DELAWARE BASIN WEST	State/Province: NM
---------------------------------	-----------------	-----------------------	--------------------------------	-----------------------

Surface Legal Location: SEC.14 25S 31E	API Well: 3601542505	Latitude (°): 32° 8' 11.579" N	Longitude (°): 103° 44' 36.038" W	Ground Elev M: 3,415.30	Orig KB Elev (ft): 3,440.30	Tubing Head Elevation (ft)
---	-------------------------	-----------------------------------	--------------------------------------	----------------------------	--------------------------------	----------------------------

Wellbores			
Wellbore Name: QH	Parent Wellbore	SAP Well ID: 37476	Vertical Section Direction (°): 169.72

Kick Offs & Key Depths		
Date	Type	Top Depth (ftKB)

Actual Deviation Survey SURFACE, Proposed? No	Definitive? Yes	Proposed? No	Proposed Deviation Survey
--	--------------------	-----------------	---------------------------

Deviation Survey					
Date 11/29/2014	Description SURFACE				
MD Tie In (ftKB)	TVD Tie In (ftKB)	Inclination Tie In (°)	Azimuth Tie In (°)	NSTie In (ft)	EWTie In (ft)

Survey Data										
Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Survey Tool	Survey Company
11/29/2...	153.00	0.31	116.30	153.00	0.25	-0.18	0.37	0.20	MWD	EXTREME ENGINEERING
11/29/2...	214.00	0.31	102.29	214.00	0.41	-0.29	0.68	0.12	MWD	EXTREME ENGINEERING
11/29/2...	301.00	0.40	158.18	301.00	0.80	-0.62	1.02	0.39	MWD	EXTREME ENGINEERING
11/29/2...	397.00	0.40	129.09	396.99	1.38	-1.15	1.41	0.21	MWD	EXTREME ENGINEERING
11/29/2...	490.00	0.40	135.29	489.99	1.89	-1.58	1.89	0.05	MWD	EXTREME ENGINEERING
12/2/2014	764.00	0.88	153.61	763.97	4.70	-4.15	3.50	0.19	MWD	EXTREME ENGINEERING
12/2/2014	857.00	1.01	167.41	856.96	6.21	-5.59	3.99	0.28	MWD	EXTREME ENGINEERING
12/2/2014	951.00	1.10	173.52	950.95	7.94	-7.29	4.27	0.15	MWD	EXTREME ENGINEERING
12/2/2014	1,045.00	1.32	178.31	1,044.93	9.91	-9.27	4.41	0.26	MWD	EXTREME ENGINEERING
12/2/2014	1,142.00	1.41	174.31	1,141.90	12.20	-11.57	4.56	0.14	MWD	EXTREME ENGINEERING
12/2/2014	1,236.00	1.41	172.69	1,235.87	14.51	-13.87	4.82	0.04	MWD	EXTREME ENGINEERING
12/2/2014	1,331.00	1.49	173.08	1,330.84	16.91	-16.26	5.12	0.08	MWD	EXTREME ENGINEERING
12/2/2014	1,426.00	1.49	171.89	1,425.81	19.38	-18.71	5.44	0.03	MWD	EXTREME ENGINEERING
12/2/2014	1,520.00	1.41	173.92	1,519.78	21.75	-21.07	5.74	0.10	MWD	EXTREME ENGINEERING
12/2/2014	1,615.00	1.49	171.02	1,614.75	24.15	-23.45	6.05	0.11	MWD	EXTREME ENGINEERING
12/2/2014	1,709.00	1.49	162.58	1,708.71	26.59	-25.82	6.61	0.23	MWD	EXTREME ENGINEERING
12/2/2014	1,803.00	1.58	163.90	1,802.68	29.09	-28.23	7.34	0.10	MWD	EXTREME ENGINEERING
12/2/2014	1,898.00	1.49	166.67	1,897.65	31.62	-30.69	7.98	0.12	MWD	EXTREME ENGINEERING
12/2/2014	1,992.00	1.41	166.09	1,991.62	34.00	-33.00	8.54	0.09	MWD	EXTREME ENGINEERING
12/2/2014	2,082.00	1.41	159.59	2,081.59	36.19	-35.12	9.20	0.18	MWD	EXTREME ENGINEERING
12/2/2014	2,177.00	1.41	157.30	2,176.56	38.49	-37.29	10.05	0.06	MWD	EXTREME ENGINEERING
12/2/2014	2,276.00	1.32	156.60	2,275.53	40.79	-39.46	10.98	0.09	MWD	EXTREME ENGINEERING
12/2/2014	2,366.00	1.19	163.50	2,365.51	42.73	-41.31	11.65	0.22	MWD	EXTREME ENGINEERING
12/2/2014	2,461.00	1.41	178.31	2,460.49	44.86	-43.42	11.97	0.42	MWD	EXTREME ENGINEERING
12/2/2014	2,557.00	1.41	177.08	2,556.46	47.20	-45.78	12.06	0.03	MWD	EXTREME ENGINEERING
12/2/2014	2,655.00	1.19	185.08	2,654.43	49.38	-48.00	12.04	0.29	MWD	EXTREME ENGINEERING
12/2/2014	2,750.00	1.01	187.80	2,749.42	51.13	-49.81	11.83	0.20	MWD	EXTREME ENGINEERING
12/2/2014	2,845.00	0.88	179.19	2,844.40	52.64	-51.37	11.73	0.20	MWD	EXTREME ENGINEERING
12/2/2014	2,934.00	0.79	173.78	2,933.39	53.93	-52.67	11.81	0.13	MWD	EXTREME ENGINEERING
12/2/2014	3,029.00	0.79	147.81	3,028.38	55.19	-53.87	12.23	0.37	MWD	EXTREME ENGINEERING
12/2/2014	3,126.00	0.79	141.40	3,125.37	56.40	-54.96	13.00	0.09	MWD	EXTREME ENGINEERING
12/2/2014	3,318.00	1.41	182.84	3,317.34	59.86	-58.35	13.71	0.51	MWD	EXTREME ENGINEERING
12/2/2014	3,413.00	1.32	128.61	3,412.32	61.83	-60.20	14.51	1.31	MWD	EXTREME ENGINEERING
12/2/2014	3,508.00	1.32	123.82	3,507.29	63.41	-61.49	16.27	0.12	MWD	EXTREME ENGINEERING
12/2/2014	3,602.00	1.01	126.28	3,601.27	64.77	-62.59	17.84	0.33	MWD	EXTREME ENGINEERING
12/2/2014	3,696.00	1.19	122.28	3,695.26	66.03	-63.60	19.33	0.21	MWD	EXTREME ENGINEERING
12/2/2014	3,791.00	2.02	123.51	3,790.22	67.85	-65.05	21.56	0.87	MWD	EXTREME ENGINEERING
12/2/2014	3,885.00	2.02	125.49	3,884.16	70.19	-66.93	24.29	0.07	MWD	EXTREME ENGINEERING
12/2/2014	3,980.00	2.59	132.78	3,979.08	73.10	-69.36	27.23	0.67	MWD	EXTREME ENGINEERING
12/2/2014	4,072.00	3.21	136.21	4,070.96	76.91	-72.63	30.54	0.70	MWD	EXTREME ENGINEERING
12/2/2014	4,166.00	3.52	138.98	4,164.80	81.59	-76.71	34.25	0.37	MWD	EXTREME ENGINEERING
12/2/2014	4,429.00	2.50	143.11	4,427.44	93.65	-87.38	43.00	0.40	MWD	EXTREME ENGINEERING
12/2/2014	4,523.00	2.29	143.59	4,521.35	97.17	-90.54	45.34	0.22	MWD	EXTREME ENGINEERING
12/2/2014	4,618.00	2.20	146.01	4,616.28	100.55	-93.57	47.49	0.14	MWD	EXTREME ENGINEERING
12/2/2014	4,712.00	2.20	145.79	4,710.21	103.85	-96.56	49.51	0.01	MWD	EXTREME ENGINEERING
12/2/2014	4,806.00	2.29	138.32	4,804.14	107.10	-99.46	51.77	0.33	MWD	EXTREME ENGINEERING
12/2/2014	4,901.00	2.20	139.29	4,899.07	110.29	-102.26	54.22	0.10	MWD	EXTREME ENGINEERING



COTTON DRAW 14 FED 4H

DELAWARE BASIN UNRESTRICTED

Directional Survey

Sub-Division DELAWARE BASIN	County EDDY	Field Name PADUCA	Region DELAWARE BASIN WEST	State/Province NM
Surface Legal Location SEC14 25S 31E	AP/U/W 3001542505	Latitude (°) 32° 8' 11.579" N	Longitude (°) 103° 44' 36.038" W	Ground Elev M. 3,415.30
				Orig KB Elev (ft) 3,440.30
				Tubing Head Elevation (ft)

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	VD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DIS (ft/100ft)	Survey Tool	Survey Company
12/2/2014	4,995.00	2.11	145.70	4,993.00	113.43	105.05	56.38	0.27	MWD	EXTREME ENGINEERING
12/2/2014	5,088.00	2.20	139.99	5,085.93	116.54	107.84	58.49	0.25	MWD	EXTREME ENGINEERING
12/2/2014	5,182.00	1.82	144.69	5,179.88	119.46	110.44	60.51	0.44	MWD	EXTREME ENGINEERING
12/2/2014	5,276.00	1.58	142.10	5,273.84	121.96	112.68	62.17	0.27	MWD	EXTREME ENGINEERING
12/2/2014	5,371.00	1.49	143.42	5,368.80	124.23	114.70	63.71	0.10	MWD	EXTREME ENGINEERING
12/2/2014	5,465.00	1.19	140.69	5,462.78	126.18	116.44	65.06	0.33	MWD	EXTREME ENGINEERING
12/2/2014	5,559.00	1.19	147.10	5,556.76	127.93	118.01	66.21	0.14	MWD	EXTREME ENGINEERING
12/2/2014	5,656.00	1.10	141.40	5,653.74	129.68	119.59	67.33	0.15	MWD	EXTREME ENGINEERING
12/2/2014	5,748.00	1.01	140.39	5,745.72	131.17	120.90	68.40	0.10	MWD	EXTREME ENGINEERING
12/2/2014	5,843.00	0.88	143.81	5,840.71	132.55	122.14	69.37	0.15	MWD	EXTREME ENGINEERING
12/2/2014	5,937.00	0.79	144.12	5,934.70	133.79	123.24	70.17	0.10	MWD	EXTREME ENGINEERING
12/2/2014	6,031.00	0.62	144.39	6,028.69	134.83	124.18	70.85	0.18	MWD	EXTREME ENGINEERING
12/2/2014	6,125.00	0.62	148.12	6,122.68	135.76	125.03	71.41	0.04	MWD	EXTREME ENGINEERING
12/2/2014	6,219.00	0.70	159.90	6,216.68	136.80	126.00	71.88	0.17	MWD	EXTREME ENGINEERING
12/2/2014	6,313.00	0.62	169.22	6,310.67	137.88	127.04	72.17	0.14	MWD	EXTREME ENGINEERING
12/2/2014	6,407.00	0.48	170.40	6,404.67	138.78	127.92	72.33	0.15	MWD	EXTREME ENGINEERING
12/2/2014	6,501.00	0.48	161.22	6,498.66	139.56	128.69	72.53	0.08	MWD	EXTREME ENGINEERING
12/2/2014	6,596.00	0.62	152.52	6,593.66	140.45	129.52	72.89	0.17	MWD	EXTREME ENGINEERING
12/2/2014	6,694.00	0.48	147.68	6,691.66	141.33	130.34	73.35	0.15	MWD	EXTREME ENGINEERING
12/2/2014	6,788.00	0.40	126.10	6,785.65	141.94	130.86	73.83	0.19	MWD	EXTREME ENGINEERING
12/2/2014	6,883.00	0.62	121.40	6,880.65	142.52	131.32	74.54	0.24	MWD	EXTREME ENGINEERING
12/2/2014	6,977.00	0.70	114.59	6,974.64	143.18	131.83	75.49	0.12	MWD	EXTREME ENGINEERING
12/2/2014	7,071.00	0.70	126.41	7,068.64	143.93	132.41	76.48	0.15	MWD	EXTREME ENGINEERING
12/2/2014	7,166.00	0.70	135.42	7,163.63	144.83	133.17	77.35	0.12	MWD	EXTREME ENGINEERING
12/2/2014	7,260.00	0.62	148.78	7,257.62	145.78	134.01	78.02	0.18	MWD	EXTREME ENGINEERING
12/2/2014	7,354.00	0.48	144.69	7,351.62	146.61	134.77	78.51	0.15	MWD	EXTREME ENGINEERING
12/2/2014	7,449.00	0.48	143.90	7,446.62	147.33	135.41	78.97	0.01	MWD	EXTREME ENGINEERING
12/2/2014	7,543.00	0.70	132.61	7,540.61	148.14	136.12	79.63	0.26	MWD	EXTREME ENGINEERING
12/2/2014	7,638.00	0.79	133.31	7,635.60	149.13	136.96	80.53	0.10	MWD	EXTREME ENGINEERING
12/2/2014	7,732.00	0.88	131.11	7,729.59	150.22	137.88	81.55	0.10	MWD	EXTREME ENGINEERING
12/2/2014	7,825.00	1.10	136.39	7,822.58	151.52	139.00	82.70	0.26	MWD	EXTREME ENGINEERING
12/2/2014	7,919.00	0.88	142.32	7,916.56	152.92	140.22	83.76	0.26	MWD	EXTREME ENGINEERING
12/2/2014	8,013.00	0.79	143.99	8,010.55	154.14	141.32	84.59	0.10	MWD	EXTREME ENGINEERING
12/2/2014	8,107.00	0.70	136.39	8,104.55	155.21	142.26	85.36	0.14	MWD	EXTREME ENGINEERING
12/2/2014	8,202.00	0.70	142.19	8,199.54	156.21	143.14	86.12	0.07	MWD	EXTREME ENGINEERING
12/2/2014	8,296.00	0.48	146.49	8,293.53	157.08	143.92	86.69	0.24	MWD	EXTREME ENGINEERING
12/2/2014	8,390.00	0.31	144.52	8,387.53	157.67	144.45	87.05	0.18	MWD	EXTREME ENGINEERING
12/2/2014	8,484.00	0.09	139.90	8,481.53	157.96	144.72	87.25	0.23	MWD	EXTREME ENGINEERING
12/2/2014	8,582.00	0.09	352.82	8,579.53	157.95	144.70	87.29	0.18	MWD	EXTREME ENGINEERING
12/2/2014	8,677.00	0.22	102.99	8,674.53	157.95	144.67	87.46	0.28	MWD	EXTREME ENGINEERING
12/2/2014	8,771.00	0.40	97.10	8,768.53	158.12	144.75	87.96	0.19	MWD	EXTREME ENGINEERING
12/2/2014	8,866.00	0.40	32.50	8,863.53	157.99	144.53	88.41	0.50	MWD	EXTREME ENGINEERING
12/2/2014	8,960.00	0.40	23.40	8,957.53	157.42	143.89	88.75	0.06	MWD	EXTREME ENGINEERING
12/2/2014	9,055.00	1.01	356.51	9,052.52	156.32	142.75	88.83	0.71	MWD	EXTREME ENGINEERING
12/2/2014	9,136.00	1.35	355.11	9,133.50	154.66	141.09	88.71	0.42	MWD	HALLIBURTON ENERGY SE...
12/2/2014	9,231.00	0.55	11.51	9,228.49	153.12	139.53	88.70	0.88	MWD	HALLIBURTON ENERGY SE...
12/2/2014	9,325.00	0.40	79.73	9,322.48	152.70	139.03	89.12	0.58	MWD	HALLIBURTON ENERGY SE...
12/2/2014	9,420.00	0.49	55.68	9,417.48	152.53	138.74	89.78	0.22	MWD	HALLIBURTON ENERGY SE...
12/2/2014	9,514.00	0.44	14.06	9,511.48	152.04	138.16	90.20	0.35	MWD	HALLIBURTON ENERGY SE...
12/2/2014	9,609.00	0.36	32.32	9,606.48	151.49	137.56	90.45	0.16	MWD	HALLIBURTON ENERGY SE...
12/2/2014	9,703.00	0.53	63.56	9,700.47	151.15	137.11	90.99	0.31	MWD	HALLIBURTON ENERGY SE...
12/2/2014	9,734.00	0.76	138.49	9,731.47	151.29	137.20	91.26	2.60	MWD	HALLIBURTON ENERGY SE...
12/2/2014	9,766.00	2.03	121.90	9,763.46	151.85	137.66	91.88	4.12	MWD	HALLIBURTON ENERGY SE...
12/2/2014	9,797.00	3.97	120.44	9,794.42	152.92	138.50	93.27	6.26	MWD	HALLIBURTON ENERGY SE...
12/2/2014	9,829.00	5.92	123.08	9,826.30	154.77	139.96	95.61	6.13	MWD	HALLIBURTON ENERGY SE...
12/2/2014	9,860.00	8.36	123.65	9,857.05	157.44	142.08	98.83	7.87	MWD	HALLIBURTON ENERGY SE...
12/2/2014	9,892.00	10.57	125.98	9,888.62	161.17	145.09	103.14	7.01	MWD	HALLIBURTON ENERGY SE...



COTTON DRAW 14 FED 4H

DELAWARE BASIN UNRESTRICTED

Directional Survey

Sub-Division DELAWARE BASIN	County EDDY	Field Name PADUCA	Region DELAWARE BASIN WEST	State/Province NM
Surface Legal Location SEC.14-25S 31E	API/UWI 3001542505	Latitude (°) 32° 8' 11.579" N	Longitude (°) 103° 44' 36.038" W	Ground Elev. M. 3,415.30
				Orig KB Elev (ft) 3,440.30
				Tubing Head Elevation (ft)

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company
12/2/2014	9,923.00	14.01	126.00	9,918.90	165.94	148.97	108.48	11.10	MWD	HALLIBURTON ENERGY SE...
12/2/2014	9,955.00	17.14	124.76	9,949.72	172.08	153.94	115.49	9.84	MWD	HALLIBURTON ENERGY SE...
12/2/2014	9,986.00	20.20	126.49	9,979.09	179.21	159.73	123.54	10.03	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,018.00	23.57	128.06	10,008.78	188.02	166.96	133.02	10.69	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,049.00	25.62	127.90	10,036.96	197.64	174.90	143.19	6.62	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,080.00	28.90	128.61	10,064.52	208.29	183.69	154.34	10.63	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,112.00	30.97	126.16	10,092.25	220.08	193.38	167.03	7.51	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,143.00	31.82	125.75	10,118.71	231.74	202.86	180.10	2.83	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,175.00	34.60	126.00	10,145.48	244.38	213.13	194.30	8.70	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,207.00	37.33	126.13	10,171.38	257.98	224.19	209.49	8.53	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,238.00	39.92	126.64	10,195.59	272.05	235.67	225.07	8.42	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,270.00	42.12	126.88	10,219.74	287.42	248.24	241.89	6.89	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,301.00	45.09	127.25	10,242.18	303.15	261.13	258.95	9.62	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,333.00	49.21	127.24	10,263.94	320.45	275.32	277.62	12.88	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,364.00	53.60	127.92	10,283.27	338.41	290.10	296.82	14.26	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,396.00	58.14	128.55	10,301.22	358.25	306.49	317.61	14.28	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,427.00	62.81	128.78	10,316.50	378.59	323.34	338.67	15.08	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,459.00	65.48	131.23	10,330.45	400.74	341.85	360.72	10.82	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,491.00	67.76	134.18	10,343.15	424.19	361.77	382.29	11.06	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,522.00	70.66	137.11	10,354.16	448.19	382.50	402.55	12.87	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,554.00	73.00	139.77	10,364.14	474.18	405.25	422.71	10.76	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,584.00	74.99	141.26	10,372.41	499.35	427.50	441.04	8.17	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,616.00	76.20	143.05	10,380.37	526.82	451.98	460.06	6.61	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,648.00	76.12	144.36	10,388.02	554.74	477.02	478.45	3.98	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,679.00	76.20	147.08	10,395.44	582.24	501.89	495.40	3.52	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,711.00	76.46	150.70	10,403.00	611.30	528.50	511.46	11.02	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,742.00	77.73	154.56	10,409.93	640.17	555.33	525.35	12.81	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,774.00	79.25	158.11	10,416.32	670.67	584.05	537.93	11.86	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,805.00	79.58	162.67	10,422.02	700.73	612.75	548.15	14.50	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,837.00	79.92	166.05	10,427.71	732.08	643.06	556.64	10.45	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,868.00	80.42	169.28	10,433.00	762.60	672.90	563.16	10.39	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,899.00	79.90	171.90	10,438.30	793.14	703.03	568.16	8.49	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,931.00	79.72	173.77	10,443.97	824.58	734.28	572.09	5.78	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,962.00	80.86	174.95	10,449.19	855.04	764.69	575.09	5.25	MWD	HALLIBURTON ENERGY SE...
12/2/2014	10,994.00	82.23	175.58	10,453.90	886.54	796.23	577.70	4.70	MWD	HALLIBURTON ENERGY SE...
12/2/2014	11,025.00	85.25	176.09	10,457.28	917.18	826.96	579.94	9.88	MWD	HALLIBURTON ENERGY SE...
12/2/2014	11,057.00	86.70	176.56	10,459.52	948.89	858.81	581.98	4.76	MWD	HALLIBURTON ENERGY SE...
12/2/2014	11,088.00	87.44	176.50	10,461.11	979.63	889.72	583.86	2.39	MWD	HALLIBURTON ENERGY SE...
12/2/2014	11,120.00	88.00	176.76	10,462.38	1,011.37	921.63	585.74	1.93	MWD	HALLIBURTON ENERGY SE...
12/2/2014	11,214.00	88.61	176.86	10,465.16	1,044.61	954.45	590.97	0.66	MWD	HALLIBURTON ENERGY SE...
12/2/2014	11,308.00	90.09	176.96	10,466.23	1,078.86	987.30	596.03	1.58	MWD	HALLIBURTON ENERGY SE...
12/2/2014	11,403.00	89.51	177.61	10,466.56	1,113.03	1,020.19	600.53	0.92	MWD	HALLIBURTON ENERGY SE...
12/2/2014	11,497.00	90.28	178.14	10,466.73	1,147.08	1,052.13	604.02	0.99	MWD	HALLIBURTON ENERGY SE...
12/2/2014	11,591.00	92.03	178.60	10,464.84	1,180.99	1,084.07	606.69	1.92	MWD	HALLIBURTON ENERGY SE...
12/2/2014	11,686.00	91.97	177.50	10,461.52	1,214.93	1,115.95	609.92	1.16	MWD	HALLIBURTON ENERGY SE...
12/2/2014	11,780.00	91.60	177.06	10,458.59	1,248.07	1,146.80	614.38	0.61	MWD	HALLIBURTON ENERGY SE...
12/2/2014	11,875.00	89.97	177.73	10,457.29	1,280.20	1,175.69	618.70	1.86	MWD	HALLIBURTON ENERGY SE...
12/2/2014	11,969.00	88.55	176.75	10,458.51	1,311.38	1,203.57	623.22	1.84	MWD	HALLIBURTON ENERGY SE...
12/2/2014	12,064.00	88.77	176.68	10,460.73	1,341.65	1,229.43	628.66	0.24	MWD	HALLIBURTON ENERGY SE...
12/2/2014	12,158.00	88.27	177.12	10,463.16	1,370.88	1,253.22	633.75	0.71	MWD	HALLIBURTON ENERGY SE...
12/2/2014	12,252.00	86.82	176.09	10,467.18	1,398.11	1,274.96	639.31	1.89	MWD	HALLIBURTON ENERGY SE...
12/2/2014	12,346.00	87.13	176.26	10,472.14	1,423.39	1,299.62	645.57	0.38	MWD	HALLIBURTON ENERGY SE...
12/2/2014	12,441.00	90.52	176.87	10,474.09	1,446.68	1,322.42	651.26	3.63	MWD	HALLIBURTON ENERGY SE...
12/2/2014	12,536.00	89.23	176.29	10,474.30	1,468.99	1,343.25	656.93	1.49	MWD	HALLIBURTON ENERGY SE...
12/2/2014	12,630.00	88.37	175.61	10,476.27	1,490.42	1,361.99	663.56	1.17	MWD	HALLIBURTON ENERGY SE...



Directional Survey

Sub-Division DELAWARE BASIN	County EDDY	Field Name PADUCA	Region DELAWARE BASIN WEST	State/Province NM
Surface Legal Location SEC14 25S 31E	API/UM/Is 3001542505	Latitude (°) 32° 8' 11.579" N	Longitude (°) 103° 44' 36.038" W	Ground Elev M. 3,415.30
				Orig KB Elev (ft) 3,440.30
				Tubing Head Elevation (ft)

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	EW (ft)	D/S (°/100ft)	Survey Tool	Survey Company
12/2/2014	12,724.00	86.70	173.58	10,480.31	2,601.98	2,522.48	672.41	2.79	MWD	HALLIBURTON ENERGY SE...
12/2/2014	12,818.00	88.52	173.80	10,484.23	2,695.67	2,615.82	682.73	1.95	MWD	HALLIBURTON ENERGY SE...
12/2/2014	12,913.00	89.57	172.99	10,485.81	2,790.46	2,710.18	693.66	1.40	MWD	HALLIBURTON ENERGY SE...
12/2/2014	13,008.00	89.51	173.96	10,486.58	2,885.25	2,804.56	704.45	1.02	MWD	HALLIBURTON ENERGY SE...
12/2/2014	13,102.00	88.28	174.87	10,488.39	2,978.92	2,898.09	713.60	1.63	MWD	HALLIBURTON ENERGY SE...
12/2/2014	13,197.00	88.21	176.26	10,491.30	3,073.38	2,992.76	720.94	1.46	MWD	HALLIBURTON ENERGY SE...
12/2/2014	13,291.00	87.32	176.93	10,494.96	3,166.63	3,086.52	726.52	1.18	MWD	HALLIBURTON ENERGY SE...
12/2/2014	13,386.00	87.28	176.90	10,499.44	3,260.77	3,181.28	731.63	0.95	MWD	HALLIBURTON ENERGY SE...
12/2/2014	13,480.00	87.56	176.57	10,503.67	3,353.98	3,275.03	736.97	0.46	MWD	HALLIBURTON ENERGY SE...
12/2/2014	13,574.00	87.78	177.15	10,507.49	3,447.17	3,368.81	742.12	0.66	MWD	HALLIBURTON ENERGY SE...
12/2/2014	13,669.00	88.15	177.66	10,510.87	3,541.26	3,463.65	746.42	0.66	MWD	HALLIBURTON ENERGY SE...
12/2/2014	13,763.00	88.27	177.31	10,513.80	3,634.35	3,557.52	750.54	0.39	MWD	HALLIBURTON ENERGY SE...
12/2/2014	13,858.00	91.39	177.82	10,514.08	3,728.45	3,652.42	754.57	3.33	MWD	HALLIBURTON ENERGY SE...
12/2/2014	13,952.00	92.28	178.02	10,511.07	3,821.44	3,746.31	757.98	0.97	MWD	HALLIBURTON ENERGY SE...
12/2/2014	14,046.00	91.20	176.05	10,508.22	3,914.62	3,840.13	762.84	2.39	MWD	HALLIBURTON ENERGY SE...
12/2/2014	14,141.00	92.10	174.26	10,505.48	4,009.15	3,934.75	770.86	2.11	MWD	HALLIBURTON ENERGY SE...
12/2/2014	14,235.00	89.81	172.77	10,503.92	4,102.92	4,028.12	781.48	2.91	MWD	HALLIBURTON ENERGY SE...
12/2/2014	14,330.00	89.63	172.33	10,504.38	4,197.81	4,122.32	793.80	0.50	MWD	HALLIBURTON ENERGY SE...
12/2/2014	14,424.00	91.60	171.71	10,503.37	4,291.72	4,215.40	806.84	2.20	MWD	HALLIBURTON ENERGY SE...
12/2/2014	14,518.00	91.73	172.65	10,500.64	4,385.59	4,308.49	819.63	1.01	MWD	HALLIBURTON ENERGY SE...
12/2/2014	14,613.00	91.55	174.22	10,497.92	4,480.35	4,402.82	830.49	1.66	MWD	HALLIBURTON ENERGY SE...
12/2/2014	14,707.00	93.21	174.84	10,494.02	4,573.94	4,496.31	839.44	1.88	MWD	HALLIBURTON ENERGY SE...
12/2/2014	14,775.00	94.29	174.70	10,489.57	4,641.53	4,563.88	845.62	1.60	MWD	HALLIBURTON ENERGY SE...
12/2/2014	14,838.00	94.29	174.70	10,484.86	4,704.11	4,626.44	851.43	0.00	BIT	HALLIBURTON ENERGY SE...