

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

Form C-104
Revised August 1, 2011

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

Submit one copy to appropriate District Office

☐ 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 / 3/21/15
⁴ API Number 30-015-42504	⁵ Pool Name Paduca; Bone Spring	⁶ Pool Code 96641
⁷ Property Code 313486	⁸ Property Name Cotton Draw 14 Fed	⁹ Well Number 3H

II. ¹⁰ Surface Location

UL or lot no. A	Section 14	Township 25S	Range 31E	Lot Idn	Feet from the 330	North/South line North	Feet from the 1200	East/West line East	County Eddy
--------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	-----------------------	------------------------	----------------

¹¹ Bottom Hole Location

UL or lot no. O	Section 14	Township 25S	Range 31E	Lot Idn	Feet from the 332	North/South line South	Feet from the 1985	East/West line East	County Eddy
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 3/21/15	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

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
NM OIL CONSERVATION ARTESIA DISTRICT APR 29 2015		

RECEIVED

IV. Well Completion Data

²¹ Spud Date 12/29/14	²² Ready Date 3/21/15	²³ TD 14790/10507	²⁴ PBDT 14726.8	²⁵ Perforations 10635 - 14712	²⁶ DHC, MC
²⁷ Hole Size 17-1/2"	²⁸ Casing & Tubing Size 13-3/8"	²⁹ Depth Set 760	³⁰ Sacks Cement 920 sx CIC; Circ 265 sx		
12-1/4"	9-5/8"	4293	100 sx Econocem, 425 sx Halcem; Circ 188		
8-3/4"	5-1/2"	14774	2785 sx cmt; Circ 0		
Tubing: 2-7/8"		9745			

V. Well Test Data

³¹ Date New Oil 4/17/15	³² Gas Delivery Date 4/17/15	³³ Test Date 4/17/15	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 1950 psi	³⁶ Csg. Pressure 350 psi
³⁷ Choke Size	³⁸ Oil 872 bbl	³⁹ Water 1778 bbl	⁴⁰ Gas 2000 mcf		⁴¹ Test Method
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: <i>Megan Moravec</i> 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>[Signature]</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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

5. Lease Serial No.
NMLC061862

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
COTTON DRAW 14 FED 3H

9. API Well No.
30-015-42504

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
Email: 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 1200FEL

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 Drilling Operations
	☐ 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 recompleat 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 recompleat 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.)

(12/29/14-1/1/15) Spud @ 16:00. TD 17-1/2? hole @ 770?. RIH w/ 19 jts 13-3/8? 48# H-40 STC, set @ 760?. Lead w/ 920 sx C/C, yld 1.34 cu ft/sk. Disp w/ 113 bbls FW. Circ 265 sx cmt to surf. PT BOPE @ 250 psi for 10 min & 3000 psi for 10 min, each test, OK. PT mud pumps @ 250/4000 psi, OK. PT csg to 1211 psi, held for 30 min, OK.

(1/5/15-1/7/15) TD 12-1/4? hole @ 4307?. RIH w/ 83 jts 9-5/8? 36# J-55 LTC & 22 jts 9-5/8? 40# J-55 LTC, set @ 4293?. Lead w/ 1000 sx Econocem TM System cmt, yld 1.87 cu ft/sk. Tail w/ 425 sx Halcem TM System cmt, yld 1.33 cu ft/sk. Disp w/ 322 bbls FW. Circ 188 sx cmt to surf. PT csg to 2464 psi, OK.

(1/19/15-1/25/15) TD 8-3/4? hole @ 14790?. RIH w/ 700 jts 5-1/2? 17# P-110 BT csg, set @ 14774?. 1st stage lead w/ 1190 sx CIH, yld 2.30 cu ft/sk. Tail w/ 1085 sx CIH, yld 1.22 cu ft/sk. Disp w/ 342 bbls H2O. Open DVT, set @ 10256.9?. 2nd stage lead w/ 315 sx Tuned Light, yld 3.37 cu ft/sk.

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

**Electronic Submission #292713 verified by the BLM Well Information System
For DEVON ENERGY PRODUCTION COMPANY, sent to the Carlsbad**

Name (Printed/Typed) MEGAN MORAVEC

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 02/23/2015

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 *MD*

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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

... or agency of the United States

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

Additional data for EC transaction #292713 that would not fit on the form

32. Additional remarks, continued

Tail w/ 195 sx CIC, yld 1.33 cu ft/sk. Disp w/ 104 bbls displacement. ETOC @ 500?. Install night cap, PT to 5000 psi, OK. RR @ 12:00.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Serial No. BHL: NMLC061862

6. If Indian, Allottee or Tribe Name

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 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 3H

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

9. API Well No.
30-015-42504

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 & 1200' FEL Unit A, Sec 14, T25S, R31E

332' FSL & 1985' FEL Unit O, Sec 14, T25S, R31E

PP: 440' FNL & 1550' 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			
☐ 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 <u>Completion Report</u>
	☐ 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 recompleat 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 recompleat 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.)

2/27/15-3/21/15: MIRU WL & PT. TIH & ran CBL, found TOC @ 2477'. TIH w/pump through frac plug and guns. Perf Bone Spring, 10635'-14712', total 696 holes. Frac'd 10635'-14712' in 16 stages. Frac totals 48,137 gals 7.5% NEFE Acid, 1,320,057# 100 Mesh, 3,454,529# 40/70 Prem White, 1,774,399# 30/50 CRC. ND frac, MIRU PU, NU BOP, DO plugs @ CO to PBTD 14726.8'. CHC, FWB, ND BOP. RIH w/ 301 jts 2-7/8" L-80 tbg, set @ 9745'. TOP.

NM OIL CONSERVATION
ARTESIA DISTRICT

APR 29 2015

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

Name (Printed/Typed)

Megan Moravec

Title Regulatory Compliance Analyst

RECEIVED

Signature

Megan Moravec

Date 4/27/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

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.

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

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
fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

.. agency of the United States any false,

(Instructions on page 2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION
ARTESIA DISTRICT

APR 29 2015

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		5. Lease Serial No. BHL: NMLC061862	
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,		6. If Indian, Allottee or Tribe Name	
Other: _____		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 3H	
3. Address 333 West Sheridan Ave, Oklahoma City, OK 73102		9. AFI Well No. 30-015-42504	
3a. Phone No. (include area code) 405-228-4248		10. Field and Pool or Exploratory Paduca; Bone Spring	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 330' FNL & 1200' FEL Unit A, Sec 14, T25S, R31E At top prod. interval reported below At total depth 332' FSL & 1985' FEL Unit O, Sec 14, T25S, R31E		11. Sec., T., R., M. on Block and Survey or Area Sec 14, T25S, R31E	
14. Date Spudded 12/29/14		15. Date T.D. Reached 1/19/15	
16. Date Completed 3/21/15 ☐ D & A ☒ Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* GL: 3414.5	
18. Total Depth: MD 14790 TVD 10507		19. Plug Back T.D.: MD 14726.8 TVD	
20. Depth Bridge Plug Set: MD 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17-1/2"	13-3/8" H-40	48#	0	760		920 sx CIC		0	265 sx
12-1/4"	9-5/8" J-55	36# & 40#	0	4293		1000 sx Econocem, 425 sx Halcem		0	188 sx
8-3/4"	5-1/2" P-110	17#	0	14774	DV @ 4490.8	2785 sx cmt		2477	

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"	9745								
25. Producing Intervals					26. Perforation Record				
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Bone Spring	10635	14712	10635 - 14712		696	open			
B)									
C)									
D)									

27. Acid, Fracture, Treatment, Cement Squeeze, etc.		Amount and Type of Material	
Depth Interval			
10635 - 14712		48,137 gals 7.5% NEFE Acid, 1,320,057# 100 Mesh, 3,454,529# 40/70 Prem White, 1,774,399# 30/50 CRC	

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
3/21/15	4/17/15	24	→	872	2000	1778			Flow
Choke Size	Thg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	1950psi	350psi	→				2293.5		

28a. Production - Interval B									
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	Thg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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

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	10013			2nd BSSS	10013

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.

(Continued on page 3)

(Form 3160-4, page 2)



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/UWI 3001542504	Latitude (°) 32° 8' 11.584" N	Longitude (°) 103° 44' 36.62" W	Ground Elev M. 3,414.50
				Orig KB Elev (ft) 3,439.50
				Tubing Head Elevation (ft)

Wellbores

Wellbore Name OH	Parent Wellbore OH	SAP Well ID 37582	Vertical Section Direction (°)
---------------------	-----------------------	----------------------	--------------------------------

Kick Offs & Key Depths

Date	Type	Top Depth (ftKB)
------	------	------------------

Actual Deviation Survey 17½ SURFACE HOLE, Proposed? No	Definitive? Yes	Proposed? No	Proposed Deviation Survey
---	--------------------	-----------------	---------------------------

Deviation Survey

Date 12/30/2014		Description 17½ SURFACE HOLE			
MD Tie In (ftKB)	TVD Tie In (ftKB)	Inclination Tie In (°)	Azimuth Tie In (°)	NSTie In (ft)	EW Tie In (ft)

Survey Data

Date	MD (ftKB)	Incl (°)	Azmi (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS* (°/100ft)	Survey Tool	Survey Company
12/29/2...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD	EXTREME SERVICES
12/29/2...	100.00	0.04	167.74	100.00	0.03	-0.03	0.01	0.04	MWD	EXTREME SERVICES
12/29/2...	200.00	0.08	167.74	200.00	0.12	-0.13	0.03	0.04	MWD	EXTREME SERVICES
12/29/2...	300.00	0.60	105.06	300.00	0.24	-0.33	0.55	0.57	MWD	EXTREME SERVICES
12/29/2...	400.00	0.63	115.33	399.99	0.44	-0.70	1.55	0.11	MWD	EXTREME SERVICES
12/29/2...	500.00	1.04	153.62	499.98	1.33	-1.75	2.45	0.67	MWD	EXTREME SERVICES
12/29/2...	600.00	1.26	155.55	599.96	2.98	-3.56	3.31	0.23	MWD	EXTREME SERVICES
12/29/2...	700.00	1.41	175.97	699.94	5.09	-5.79	3.85	0.50	MWD	EXTREME SERVICES
12/29/2...	800.00	1.67	194.49	799.90	7.74	-8.43	3.58	0.56	MWD	EXTREME SERVICES
12/29/2...	900.00	1.62	189.56	899.86	10.60	-11.23	2.98	0.15	MWD	EXTREME SERVICES
12/29/2...	1,000.00	1.61	189.48	999.82	13.42	-14.01	2.51	0.00	MWD	EXTREME SERVICES
12/29/2...	1,100.00	1.30	186.79	1,099.79	15.95	-16.52	2.15	0.33	MWD	EXTREME SERVICES
12/29/2...	1,200.00	1.12	176.00	1,199.76	18.04	-18.62	2.08	0.29	MWD	EXTREME SERVICES
12/29/2...	1,300.00	1.10	181.65	1,299.75	19.93	-20.55	2.12	0.11	MWD	EXTREME SERVICES
12/29/2...	1,400.00	0.91	174.69	1,399.73	21.65	-22.29	2.17	0.22	MWD	EXTREME SERVICES
12/29/2...	1,500.00	1.28	170.57	1,499.71	23.48	-24.19	2.42	0.38	MWD	EXTREME SERVICES
12/29/2...	1,600.00	1.19	160.09	1,599.69	25.44	-26.26	2.96	0.24	MWD	EXTREME SERVICES
12/29/2...	1,700.00	1.18	159.79	1,699.67	27.25	-28.21	3.67	0.01	MWD	EXTREME SERVICES
12/29/2...	1,800.00	0.89	151.52	1,799.65	28.76	-29.86	4.40	0.33	MWD	EXTREME SERVICES
12/29/2...	1,900.00	1.02	154.58	1,899.64	30.11	-31.35	5.15	0.14	MWD	EXTREME SERVICES
12/29/2...	2,000.00	1.10	152.90	1,999.62	31.61	-33.01	5.97	0.08	MWD	EXTREME SERVICES
12/29/2...	2,100.00	1.23	158.83	2,099.60	33.31	-34.86	6.80	0.17	MWD	EXTREME SERVICES
12/29/2...	2,200.00	1.55	159.55	2,199.57	35.40	-37.13	7.65	0.32	MWD	EXTREME SERVICES
12/29/2...	2,300.00	1.47	162.98	2,299.54	37.72	-39.62	8.50	0.12	MWD	EXTREME SERVICES
12/29/2...	2,400.00	1.66	174.09	2,399.50	40.27	-42.29	9.03	0.36	MWD	EXTREME SERVICES
12/29/2...	2,500.00	1.94	178.47	2,499.45	43.34	-45.43	9.22	0.31	MWD	EXTREME SERVICES
12/29/2...	2,600.00	1.95	181.24	2,599.39	46.69	-48.82	9.23	0.09	MWD	EXTREME SERVICES
12/29/2...	2,700.00	1.83	181.37	2,699.34	49.95	-52.12	9.15	0.11	MWD	EXTREME SERVICES
12/29/2...	2,800.00	1.47	189.84	2,799.29	52.82	-54.98	8.90	0.44	MWD	EXTREME SERVICES
12/29/2...	2,900.00	1.44	196.87	2,899.26	55.36	-57.45	8.31	0.18	MWD	EXTREME SERVICES
12/29/2...	3,000.00	1.09	179.42	2,999.24	57.54	-59.61	7.96	0.52	MWD	EXTREME SERVICES
12/29/2...	3,100.00	1.08	159.25	3,099.22	59.29	-61.44	8.30	0.38	MWD	EXTREME SERVICES
12/29/2...	3,200.00	1.02	155.77	3,199.20	60.85	-63.14	9.00	0.09	MWD	EXTREME SERVICES
12/29/2...	3,300.00	1.30	111.93	3,299.19	61.84	-64.37	10.42	0.90	MWD	EXTREME SERVICES
12/29/2...	3,400.00	1.31	107.31	3,399.16	62.25	-65.13	12.56	0.11	MWD	EXTREME SERVICES
12/29/2...	3,500.00	1.00	123.70	3,499.14	62.77	-65.96	14.38	0.45	MWD	EXTREME SERVICES
12/29/2...	3,600.00	0.91	133.38	3,599.13	63.57	-66.99	15.68	0.18	MWD	EXTREME SERVICES
12/29/2...	3,700.00	1.40	119.55	3,699.11	64.44	-68.14	17.32	0.56	MWD	EXTREME SERVICES
12/29/2...	3,800.00	2.46	119.84	3,799.05	65.62	-69.80	20.24	1.06	MWD	EXTREME SERVICES
12/29/2...	3,900.00	2.89	128.55	3,898.94	67.60	-72.44	24.07	0.59	MWD	EXTREME SERVICES
12/29/2...	4,000.00	3.85	131.10	3,998.76	70.60	-76.21	28.56	0.97	MWD	EXTREME SERVICES
12/29/2...	4,100.00	4.49	134.31	4,098.50	74.61	-81.15	33.89	0.68	MWD	EXTREME SERVICES
12/29/2...	4,200.00	4.23	134.32	4,198.21	78.97	-86.46	39.32	0.26	MWD	EXTREME SERVICES
12/29/2...	4,201.00	4.22	134.31	4,199.21	79.01	-86.51	39.38	0.81	MWD	EXTREME SERVICES



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/UWI 3001542504	Latitude (°) 32° 8' 11.584" N	Longitude (°) 103° 44' 36.62" W	Ground Elev M... 3,414.50
				Orig KB Elev (ft) 3,439.50
				Tubing Head Elevation (ft)

Survey Data

Date	MD (RKB)	Incl (°)	Azm (°)	TVD (RKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company
1/8/2015	4,362.00	3.80	136.78	4,359.81	85.65	-94.53	47.27	0.28	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	4,456.00	3.22	139.34	4,453.64	89.25	-98.81	51.12	0.64	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	4,550.00	2.46	150.88	4,547.52	92.53	-102.57	53.82	1.01	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	4,644.00	1.93	175.89	4,641.45	95.65	-105.91	54.92	1.15	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	4,739.00	1.70	189.27	4,736.41	98.61	-108.90	54.81	0.51	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	4,833.00	1.50	220.25	4,830.37	101.06	-111.22	53.79	0.93	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	4,927.00	2.37	238.32	4,924.32	103.39	-113.17	51.34	1.12	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	5,022.00	3.40	248.83	5,019.20	106.11	-115.22	47.04	1.21	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	5,116.00	4.24	253.33	5,112.99	109.04	-117.23	41.11	0.95	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	5,211.00	4.37	262.86	5,207.72	111.61	-118.68	34.16	0.76	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	5,306.00	4.98	269.10	5,302.41	113.36	-119.20	26.44	0.84	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	5,400.00	5.49	270.80	5,396.01	114.75	-119.20	17.87	0.57	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	5,494.00	5.86	272.00	5,489.55	116.02	-118.97	8.57	0.41	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	5,589.00	6.04	271.75	5,584.04	117.29	-118.65	1.27	0.19	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	5,683.00	6.13	268.90	5,677.51	118.85	-118.59	11.23	0.34	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	5,778.00	6.38	269.47	5,771.95	120.67	-118.74	21.58	0.27	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	5,872.00	6.43	267.93	5,865.36	122.60	-118.98	32.06	0.19	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	5,967.00	6.91	267.49	5,959.72	124.81	-119.42	43.09	0.51	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	6,061.00	7.13	267.46	6,053.01	127.17	-119.93	54.56	0.23	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	6,155.00	7.32	268.14	6,146.26	129.52	-120.38	66.38	0.22	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	6,250.00	6.61	271.01	6,240.56	131.48	-120.48	77.89	0.83	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	6,344.00	5.65	277.04	6,334.03	132.44	-119.82	87.89	1.23	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	6,439.00	5.35	274.89	6,428.59	132.97	-118.87	96.95	0.38	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	6,534.00	6.02	276.98	6,523.12	133.51	-117.88	106.31	0.74	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	6,628.00	5.95	271.51	6,616.61	134.37	-117.16	116.07	0.61	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	6,723.00	5.87	268.85	6,711.10	135.92	-117.12	125.85	0.30	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	6,817.00	6.49	272.72	6,804.56	137.40	-116.97	135.96	0.79	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	6,912.00	6.39	272.53	6,898.96	138.64	-116.48	146.61	0.11	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	7,006.00	5.87	271.47	6,992.42	139.91	-116.13	156.64	0.57	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	7,101.00	5.16	268.26	7,086.98	141.39	-116.13	165.76	0.81	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	7,195.00	4.85	269.87	7,180.62	142.85	-116.27	173.96	0.36	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	7,290.00	4.71	269.25	7,275.29	144.19	-116.33	181.88	0.16	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	7,384.00	4.62	270.85	7,368.98	145.42	-116.32	189.52	0.17	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	7,479.00	4.91	270.51	7,463.65	146.60	-116.23	197.41	0.31	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	7,573.00	4.69	267.88	7,557.32	147.98	-116.34	205.28	0.33	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	7,668.00	4.89	270.77	7,651.99	149.35	-116.43	213.21	0.33	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	7,763.00	4.79	269.95	7,746.65	150.59	-116.37	221.22	0.13	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	7,857.00	4.76	272.89	7,840.33	151.66	-116.18	229.04	0.26	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	7,952.00	4.86	272.78	7,934.99	152.56	-115.79	237.00	0.11	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	8,046.00	4.66	275.41	8,028.67	153.27	-115.23	244.78	0.31	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	8,141.00	4.37	273.55	8,123.37	153.89	-114.65	252.23	0.34	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	8,235.00	4.23	277.06	8,217.11	154.39	-114.00	259.24	0.32	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	8,329.00	4.38	276.53	8,310.84	154.70	-113.16	266.25	0.17	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	8,424.00	3.69	278.02	8,405.61	154.94	-112.33	272.88	0.73	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	8,518.00	3.33	288.02	8,499.43	154.59	-111.06	278.47	0.75	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	8,613.00	2.95	304.30	8,594.29	153.14	-108.83	283.12	1.02	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	8,707.00	2.94	303.63	8,688.17	151.13	-106.13	287.12	0.04	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	8,802.00	2.94	299.94	8,783.04	149.26	-103.56	291.26	0.20	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	8,896.00	3.07	295.29	8,876.91	147.72	-101.29	295.63	0.29	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	8,991.00	2.95	293.41	8,971.78	146.42	-99.23	300.17	0.16	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	9,085.00	2.74	292.42	9,065.66	145.32	-97.41	304.47	0.23	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	9,180.00	2.89	301.51	9,160.55	143.90	-95.29	308.61	0.50	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	9,274.00	2.97	305.63	9,254.43	141.93	-92.64	312.61	0.24	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	9,369.00	2.26	289.27	9,349.33	140.51	-90.58	316.38	1.08	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	9,464.00	1.99	284.94	9,444.26	140.03	-89.54	319.74	0.33	MWD	SPERRY-SUN DRILLING 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/UWI 3001542504	Latitude (°) 32° 8' 11.584" N	Longitude (°) 103° 44' 36.62" W	Ground Elev M... 3,414.50
				Orig KB Elev (ft) 3,439.50
				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
1/8/2015	9,558.00	1.68	299.26	9,538.22	139.39	-88.45	-322.52	0.59	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	9,653.00	1.76	306.20	9,633.17	138.26	-86.90	-324.91	0.23	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	9,743.00	1.59	322.43	9,723.14	136.78	-85.10	-326.79	0.56	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	9,786.00	1.21	350.87	9,766.12	135.94	-84.18	-327.22	1.81	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	9,817.00	0.08	286.20	9,797.12	135.63	-83.85	-327.29	3.80	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	9,848.00	2.22	217.85	9,828.11	136.15	-84.31	-327.68	7.07	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	9,880.00	4.35	208.51	9,860.06	137.84	-85.87	-328.64	6.84	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	9,911.00	7.56	204.51	9,890.89	140.92	-88.76	-330.05	10.43	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	9,974.00	13.28	204.99	9,952.82	151.90	-99.10	-334.83	9.08	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,006.00	16.55	205.36	9,983.74	159.82	-106.55	-338.34	10.22	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,037.00	19.98	205.43	10,013.17	169.15	-115.33	-342.50	11.06	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,069.00	23.31	205.00	10,042.91	180.50	-126.00	-347.53	10.42	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,100.00	26.66	206.43	10,071.01	193.06	-137.79	-353.22	10.98	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,132.00	29.15	207.71	10,099.29	207.31	-151.12	-360.04	8.00	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,163.00	31.85	208.64	10,125.99	222.20	-164.99	-367.47	8.84	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,195.00	35.46	208.80	10,152.63	238.92	-180.54	-375.99	11.28	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,227.00	38.81	209.85	10,178.13	257.06	-197.38	-385.46	10.65	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,258.00	41.49	208.84	10,201.83	275.84	-214.80	-395.25	8.90	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,289.00	44.48	208.48	10,224.50	295.78	-233.34	-405.38	9.68	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,321.00	47.36	209.54	10,246.76	317.42	-253.44	-416.53	9.31	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,352.00	51.03	210.86	10,267.02	339.33	-273.72	-428.34	12.27	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,384.00	53.67	211.32	10,286.56	362.85	-295.41	-441.43	8.33	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,415.00	55.65	211.20	10,304.49	386.30	-317.02	-454.55	6.39	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,447.00	58.08	210.88	10,321.98	411.19	-339.98	-468.36	7.64	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,478.00	60.05	210.20	10,337.92	435.97	-362.88	-481.87	6.63	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,510.00	62.23	208.31	10,353.36	462.32	-387.33	-495.56	8.55	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,541.00	63.70	205.67	10,367.46	488.62	-411.94	-508.09	8.95	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,572.00	65.76	202.11	10,380.69	515.74	-437.57	-519.43	12.33	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,604.00	68.37	198.99	10,393.16	544.64	-465.16	-529.77	12.13	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,635.00	70.14	195.83	10,404.15	573.34	-492.81	-538.43	11.11	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,667.00	72.02	193.55	10,414.52	603.47	-522.09	-546.11	8.94	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,699.00	73.69	191.85	10,423.96	633.99	-551.92	-552.83	7.28	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,730.00	75.33	189.89	10,432.24	663.85	-581.26	-558.46	8.07	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,762.00	77.13	187.19	10,439.85	694.93	-611.99	-563.07	9.94	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,793.00	79.83	185.51	10,446.04	725.26	-642.17	-566.43	10.20	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,825.00	81.71	183.90	10,451.18	756.74	-673.65	-569.02	7.69	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,856.00	84.11	182.47	10,455.00	787.32	-704.36	-570.72	8.99	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,888.00	86.72	182.16	10,457.56	818.98	-736.23	-572.01	8.21	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	10,919.00	89.14	181.87	10,458.68	849.71	-767.19	-573.10	7.86	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	11,013.00	92.19	183.10	10,457.59	943.03	-861.08	-577.17	3.50	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	11,108.00	92.89	183.30	10,453.38	1,037.39	-955.84	-582.47	0.77	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	11,202.00	92.96	182.96	10,448.58	1,130.73	-1,049.58	-587.60	0.37	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	11,297.00	87.13	182.82	10,448.51	1,225.09	-1,144.42	-592.39	6.14	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	11,392.00	87.84	182.23	10,452.68	1,319.34	-1,239.23	-596.57	0.97	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	11,486.00	87.20	182.53	10,456.74	1,412.57	-1,333.06	-600.47	0.75	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	11,580.00	86.73	182.48	10,461.72	1,505.78	-1,426.84	-604.57	0.50	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	11,675.00	90.40	183.17	10,464.10	1,600.12	-1,521.68	-609.25	3.93	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	11,770.00	88.09	183.29	10,465.35	1,694.58	-1,616.51	-614.60	2.43	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	11,864.00	89.48	183.65	10,467.35	1,788.07	-1,710.32	-620.29	1.53	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	11,958.00	89.60	184.62	10,468.10	1,881.68	-1,804.07	-627.07	1.04	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	12,053.00	90.59	184.75	10,467.94	1,976.37	-1,898.75	-634.83	1.05	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	12,148.00	89.42	184.82	10,467.93	2,071.08	-1,993.42	-642.75	1.23	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	12,242.00	87.22	183.44	10,470.69	2,164.65	-2,087.12	-649.52	2.76	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	12,337.00	86.30	182.59	10,476.06	2,258.92	-2,181.84	-654.51	1.32	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	12,431.00	87.22	183.12	10,481.37	2,352.18	-2,275.57	-659.18	1.13	MWD	SPERRY-SUN DRILLING 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/UWI 3001542504	Latitude (°) 32° 8' 11.584" N	Longitude (°) 103° 44' 36.62" W	Ground Elev M... 3,414.50
				Orig KB Elev (ft) 3,439.50
				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
1/8/2015	12,526.00	85.62	183.20	10,487.30	2,446.45	-2,370.24	-664.41	1.69	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	12,620.00	86.84	183.51	10,493.48	2,539.74	-2,463.87	-669.90	1.34	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	12,715.00	87.84	184.47	10,497.89	2,634.23	-2,558.54	-676.50	1.46	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	12,809.00	88.98	184.90	10,500.50	2,727.88	-2,652.19	-684.18	1.30	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	12,904.00	89.51	184.10	10,501.75	2,822.54	-2,746.88	-691.63	1.01	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	12,999.00	89.97	181.35	10,502.18	2,916.91	-2,841.77	-696.14	2.93	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	13,093.00	90.31	181.70	10,501.95	3,010.04	-2,935.73	-698.65	0.52	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	13,187.00	91.02	181.58	10,500.86	3,103.20	-3,029.69	-701.34	0.77	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	13,285.00	89.48	182.04	10,500.44	3,200.36	-3,127.63	-704.43	1.64	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	13,379.00	90.40	182.49	10,500.53	3,293.65	-3,221.56	-708.15	1.09	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	13,473.00	91.48	186.47	10,498.99	3,387.28	-3,315.24	-715.49	4.39	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	13,568.00	89.17	187.39	10,498.45	3,482.19	-3,409.54	-726.95	2.62	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	13,662.00	87.04	187.30	10,501.56	3,576.08	-3,502.71	-738.96	2.27	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	13,757.00	85.46	185.67	10,507.77	3,670.76	-3,596.89	-749.66	2.39	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	13,851.00	86.33	185.73	10,514.50	3,764.33	-3,690.19	-758.98	0.93	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	13,946.00	85.42	184.01	10,521.34	3,858.80	-3,784.59	-767.02	2.04	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	14,041.00	84.77	180.62	10,529.46	3,952.73	-3,879.15	-770.85	3.62	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	14,135.00	89.20	179.39	10,534.41	4,045.34	-3,973.00	-770.85	4.89	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	14,230.00	92.89	178.59	10,532.67	4,138.78	-4,067.95	-769.18	3.97	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	14,324.00	94.09	176.67	10,526.95	4,230.66	-4,161.69	-765.30	2.41	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	14,419.00	90.92	177.34	10,522.80	4,323.38	-4,256.46	-760.34	3.41	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	14,513.00	92.40	178.00	10,520.08	4,415.41	-4,350.34	-756.52	1.72	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	14,608.00	94.41	179.31	10,514.43	4,508.60	-4,445.14	-754.29	2.52	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	14,702.00	91.64	181.35	10,509.47	4,601.31	-4,538.99	-754.84	3.66	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	14,727.00	91.60	181.84	10,508.77	4,626.08	-4,563.97	-755.53	1.97	MWD	SPERRY-SUN DRILLING SE...
1/8/2015	14,790.00	91.60	181.84	10,507.01	4,688.52	-4,626.91	-757.55	0.00	MWD	SPERRY-SUN DRILLING SE...