

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.**

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMNM037489
2. Name of Operator DEVON ENERGY PRODUCTION CO Contact: ERIN WORKMAN Email: ERIN.WORKMAN@DVN.COM		6. If Indian, Allottee or Tribe Name
3a. Address 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102	3b. Phone No. (include area code) Ph: 405-552-7970	7. If Unit or CA/Agreement, Name and/or No. 891005247X
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 34 T24S R31E Lot 4 185FSL 990FEL 32.167271 N Lat, 103.760373 W Lon		8. Well Name and No. COTTON DRAW UNIT 211H
		9. API Well No. 30-015-41941-00-X1
		10. Field and Pool, or Exploratory PADUCA
		11. County or Parish, and State EDDY COUNTY, NM

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
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

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.)

Devon Energy Production Company, LP respectfully requests to sidetrack this well due to a fish left in the hole. Fish left in the hole is listed below. Attached is the proposed cement plug back and new directional plan. Jennifer Mason gave verbal approval on 05/23/14 to proceed with operations.

See Attached: Plan #4 Survey Report
Possible Cement KOP 112537

NM OIL CONSERVATION
ARTESIA DISTRICT

Accepted for record

NMOCD-105
6-16-14

JUN 16 2014

RECEIVED

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

Electronic Submission #246843 verified by the BLM Well Information System
For DEVON ENERGY PRODUCTION CO LP, sent to the Hobbs
Committed to AFMSS for processing by CATHY QUEEN on 06/05/2014 (14CQ0014SE)

Name (Printed/Typed) ERIN WORKMAN

Title REGULATORY COMPLIANCE PROF.

Signature (Electronic Submission)

Date 05/23/2014

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

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

HALLIBURTON

Devon Energy Prod Co LP

PO Box 1678

Oklahoma City, Ok. 73101-8838

COTTON DRAW UNIT 211 H

PADUCA

EDDY, NM

US

API/UWI 30-015-41941-00

SEC: 34, TWP: 24, RNG: 31

Rig: H&P 223

KOP Cement Cost Estimate

Proposal 112537 - Version 1.0

May 21, 2014

Submitted by:

David Rosby

210 Park Ave Suite 2000

Oklahoma City, OK - 73102-5612

HALLIBURTON

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*Halliburton appreciates the opportunity to present
this cost estimate and looks forward to being of service to you.*

1 Foreword

MIDLAND SALES OFFICE

1-800-844-8451

ODESSA DISTRICT

1-800-417-5096

CEMENTING:

Steve Luscombe / Joe Briseno
Teddy Johnson / Mike Kilgore

STIMULATION:

Robert Rodriguez / Justin Carrasco
John Perez / Juan Jimenez

LOGGING & PERFORATING

Xavier Emiliano / Raul Gutierrez

COILED TUBING & NITROGEN

Quincy Cole

TOOLS & TESTING, PROD. SVCS., TCP, COMPL. PRODUCTS

Steve Engleman / Kevin Warren

BAROID

Clint McCoy / Elijo Vela

SPERRY

David Oakley / David Carroll

PREPARED BY: Bruce Day

HOBBS DISTRICT

1-800-416-6081

CEMENTING

Louis Sosa / Jaime Gonzales
Andrew Dennis / Clay Erwin

STIMULATION:

Robert Rodriguez / Justin Carrasco
John Perez / Juan Jimenez

LOGGING & PERFORATING

Daniel Heitz / John Harrison

DRILL BITS:

Whit McWilliams / Kellan Zindel

TOOLS & TESTING, PROD. SVCS., TCP, COMPL. PRODUCTS

Jim Tillman / Doak Shannon

ARTIFICIAL LIFT

John Wright / Jeff Wilhelm

David Rosby, Account Representative

2 Cement KOP

2.1 Job Information Cement KOP

Job Criticality Status: YELLOW

Well Name: COTTON DRAW UNIT

Well #: 211 H

Surface Casing 0 - 721 ft (MD)

Outer Diameter	13.375 in
Inner Diameter	12.715 in
Linear Weight	48 lbm/ft
Casing Grade	H-40

12-1/4" Open Hole 721 - 3300 ft (MD)

Inner Diameter	12.25 in
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Drill Pipe 0 - 3300 ft (MD)

Outer Diameter	5 in
Inner Diameter	4.276 in
Linear Weight	19.5 lbm/ft
Shoe Joint Length	0 ft

Mud Type	Brine
Mud Weight	10 lbm/gal

2.2 Estimated Calculations Cement KOP

Stage 1

MUD: (2663 ft fill)

$2663 \text{ ft} * 0.8185 \text{ ft}^3/\text{ft} * 0 \%$

= 2179.41 ft³

Total Mud

= 2179.41 ft³

= 328 bbl

SPACER: (137 ft fill)

$137 \text{ ft} * 0.8185 \text{ ft}^3/\text{ft} * 0 \%$

= 112.29 ft³

Total Spacer

= 112.29 ft³

= 17.4 bbl

CEMENT: (500 ft fill)

$500 \text{ ft} * 0.8185 \text{ ft}^3/\text{ft} * 0 \%$

= 409.23 ft³

HalCem -C

= 409.23 ft³

= 72.9 bbl

Total Tail

= 402.86 sack

Total Pipe Capacity:

$3687 \text{ ft} * 0.0997 \text{ ft}^3/\text{ft}$

= 367.69 ft³

$6038 \text{ ft} * 0.0997 \text{ ft}^3/\text{ft}$

= 602.14 ft³

= 172.7 bbl

2.3 Job Volume Estimates Cement KOP

Stage 1

Fluid 1: Brine

Brine Mud

Fluid Density: 10 lbm/gal

Volume: 328 bbl

Fluid 2: Water Spacer

Fresh Water Spacer

Fluid Density: 8.34 lbm/gal

Volume: 17.4 bbl

Fluid 3: Densified

HALCEM (TM) SYSTEM

0.20 % HR-800

0.75 % CFR-3

Fluid Weight: 16.8 lbm/gal

Volume: 72.9 bbl

Slurry Yield: 1.016 ft³/sack

Total Mixing Fluid: 3.93 Gal/sack

Top Of Fluid: 2800 ft

Calculated Fill: 500 ft

Calculated sack: 402.79 sack

Proposed sack: 405 sack

Fluid 4: Water Spacer

Fresh Water Spacer

Fluid Density: 8.34 lbm/gal

Volume: 2.6 bbl

Fluid 5: Brine

Brine Mud

Fluid Density: 10 lbm/gal

Volume: 46.8 bbl

2.4 Volume Estimate Table Cement KOP

Calculations are used for volume estimation. Well conditions will dictate final cement job design.
Stage 1

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate	Downhole Volume
1	MUD	Brine Mud	10		328 bbl
2	SPACER	Fresh Water Spacer	8.34		17.4 bbl
3	CEMENT	HalCem -C	16.8		405 sack
4	SPACER	Fresh Water Spacer	8.34		2.6 bbl
5	MUD	Brine Mud	10		46.8 bbl

NOTE: These slurries and spacers will require lab testing. The additives and concentrations are estimates based on field experience in the area and may need to be modified prior to the job. The proposed spacer is designed to be generally compatible with water base mud systems. Compatibility testing with field mud samples used may indicate changes in the additive package and the related costs.

Plan Report for Cotton Draw Unit 211H - Plan#4 052114 RevA2

Measured Depth (ft)	Inclination (°)	Grid Azimuth (°)	TVD below System (ft)	Vertical Depth (ft)	Local Coordinates Northing (ft) Easting (ft)		Map Coordinates Northing (usft) Easting (usft)		Dogleg Rate (°/100usft)	Vertical Section (ft)	Comments
13,200.00	91.60	0.07	6,834.96	10,316.96	3,035.13 N	318.78 E	428,095.31	718,945.30	2.00	3,049.81	
13,294.89	93.50	0.07	6,830.74	10,312.74	3,129.92 N	318.90 E	428,190.10	718,945.42	2.00	3,144.38	Start 640.00 hold at 13294.89 MD
13,300.00	93.50	0.07	6,830.42	10,312.42	3,135.02 N	318.91 E	428,195.21	718,945.43	0.00	3,149.48	
13,400.00	93.50	0.07	6,824.32	10,306.32	3,234.84 N	319.03 E	428,295.02	718,945.55	0.00	3,249.07	
13,500.00	93.50	0.07	6,818.22	10,300.22	3,334.65 N	319.16 E	428,394.83	718,945.68	0.00	3,348.66	
13,600.00	93.50	0.07	6,812.11	10,294.11	3,434.46 N	319.29 E	428,494.65	718,945.81	0.00	3,448.25	
13,700.00	93.50	0.07	6,806.01	10,288.01	3,534.28 N	319.41 E	428,594.46	718,945.93	0.00	3,547.83	
13,800.00	93.50	0.07	6,799.90	10,281.90	3,634.09 N	319.54 E	428,694.27	718,946.06	0.00	3,647.42	
13,900.00	93.50	0.07	6,793.80	10,275.80	3,733.90 N	319.67 E	428,794.09	718,946.19	0.00	3,747.01	
13,934.89	93.50	0.07	6,791.67	10,273.67	3,768.72 N	319.71 E	428,828.91	718,946.23	0.00	3,781.76	Start DLS 2.00 TFO 180.00
14,000.00	92.20	0.07	6,788.43	10,270.43	3,833.76 N	319.79 E	428,893.94	718,946.31	2.00	3,846.64	
14,100.00	90.20	0.07	6,786.34	10,268.34	3,933.73 N	319.92 E	428,993.91	718,946.44	2.00	3,946.39	
14,109.89	90.00	0.07	6,786.32	10,268.32	3,943.62 N	319.93 E	429,003.80	718,946.45	2.00	3,956.26	Start 747.07 hold at 14109.89 MD
14,200.00	90.00	0.07	6,786.32	10,268.32	4,033.73 N	320.05 E	429,093.91	718,946.57	0.00	4,046.17	
14,300.00	90.00	0.07	6,786.32	10,268.32	4,133.73 N	320.17 E	429,193.91	718,946.69	0.00	4,145.94	
14,400.00	90.00	0.07	6,786.32	10,268.32	4,233.73 N	320.30 E	429,293.91	718,946.82	0.00	4,245.72	
14,500.00	90.00	0.07	6,786.32	10,268.32	4,333.73 N	320.43 E	429,393.91	718,946.95	0.00	4,345.49	
14,600.00	90.00	0.07	6,786.32	10,268.32	4,433.73 N	320.55 E	429,493.91	718,947.07	0.00	4,445.27	
14,700.00	90.00	0.07	6,786.32	10,268.32	4,533.73 N	320.68 E	429,593.91	718,947.20	0.00	4,545.04	
14,800.00	90.00	0.07	6,786.32	10,268.32	4,633.73 N	320.81 E	429,693.91	718,947.33	0.00	4,644.82	
14,856.96	90.00	0.07	6,786.32	10,268.32	4,690.69 N	320.88 E	429,750.87	718,947.40	0.00	4,701.65	TD at 14856.96

Plan Report for Cotton Draw Unit 211H - Plan#4 052114 RevA2

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
2,850.00	2,849.76	-18.44	-18.05	Start DLS 2.00 TFO -108.84
3,008.28	3,007.96	-19.63	-13.97	Start 215.00 hold at 3008.28 MD
3,223.28	3,222.67	-19.63	-2.72	Start Drop -1.00
3,523.28	3,522.53	-19.63	5.14	Start 6249.51 hold at 3523.28 MD
9,772.79	9,772.04	-19.63	5.14	Start Build 10.00
10,672.79	10,345.00	522.11	191.67	Start DLS 2.50 TFO -90.00
11,429.89	10,345.00	1,265.35	316.53	Start DLS 2.00 TFO 0.00
11,529.89	10,343.25	1,365.33	316.66	Start 390.00 hold at 11529.89 MD
11,919.89	10,329.64	1,755.09	317.15	Start DLS 2.00 TFO 180.00
11,994.89	10,328.01	1,830.07	317.25	Start 1150.00 hold at 11994.89 MD
13,144.89	10,317.97	2,980.03	318.71	Start DLS 2.00 TFO 0.00
13,294.89	10,312.74	3,129.92	318.90	Start 640.00 hold at 13294.89 MD
13,934.89	10,273.67	3,768.72	319.71	Start DLS 2.00 TFO 180.00
14,109.89	10,268.32	3,943.62	319.93	Start 747.07 hold at 14109.89 MD
14,856.96	10,268.32	4,690.69	320.88	TD at 14856.96

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (ft)	Origin +E/-W (ft)	Start TVD (ft)
TD	No Target (Freehand)	3.91	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
200.00	2,850.00	GYROS	EMS
2,850.00	14,856.96	Plan#4 052114 RevA2	MWD

Plan Report for Cotton Draw Unit 211H - Plan#4 052114 RevA2

Formation Details

Measured Depth (ft)	Vertical Depth (ft)	TVDSS (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
580.01	580.00	-2,902.00	Rustler		0.00	
968.04	968.00	-2,514.00	Top of Salt		0.00	
4,118.75	4,118.00	636.00	Base of Salt			
4,395.75	4,395.00	913.00	Delaware			
4,440.75	4,440.00	958.00	Bell Canyon			
5,326.75	5,326.00	1,844.00	Cherry Canyon			
6,645.75	6,645.00	3,163.00	Brushy Canyon			
8,275.75	8,275.00	4,793.00	1st BSPG Lime			
9,255.75	9,255.00	5,773.00	1st BSPG Sand			
9,528.75	9,528.00	6,046.00	2nd BSPG Lime			
9,881.40	9,880.00	6,398.00	2nd BSPG Sand			

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Cotton Draw Unit 211H BHL ()	0.00	0.00	10,268.32	4,690.69	320.88	429,750.87	718,947.40	32° 10' 48.577 N	103° 45' 33.318 W
- plan hits target center									
- Point									

Directional Difficulty Index

Average Dogleg over Survey:	1.04 °/100usft	Maximum Dogleg over Survey:	10.00 °/100usft at 10,672.54 ft
Net Tortousity applicable to Plans:	1.04 °/100usft	Directional Difficulty Index:	6.094

Audit Info

North Reference Sheet for Section 34, 24 S., R31 E. - Cotton Draw Unit 211H - Wellbore #2

All data is in Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.

Vertical Depths are relative to WELL @ 3482.00ft (HP223 25'KB). Northing and Easting are relative to Cotton Draw Unit 211H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone using datum North American Datum 1983, ellipsoid GRS 1980

Projection method is Transverse Mercator (Gauss-Kruger)

Central Meridian is 104° 20' 0.000 W°, Longitude Origin: 0° 0' 0.000 E°, Latitude Origin: 0° 0' 0.000 N°

False Easting: 541,337.50usft, False Northing: 0.00usft, Scale Reduction: 0.99994509

Grid Coordinates of Well: 425,060.19 usft N, 718,626.52 usft E

Geographical Coordinates of Well: 32° 10' 02.18" N, 103° 45' 37.34" W

Grid Convergence at Surface is: 0.31°

Based upon Minimum Curvature type calculations, at a Measured Depth of 14,856.96ft
the Bottom Hole Displacement is 4,701.65ft in the Direction of 3.91° (Grid).

Magnetic Convergence at surface is: -7.12° (21 May 2014, , BGGM2013)

