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FORM APPROVED
OM B No. 1004-0137
Expires: March 31, 200

DEC 1 3 2010

	UNITED STATE DEPARTMENT OF THE	INTERIOR		FORM APPROVED OM B No. 1004-0137 Expires: March 31, 2007
DEC 10 2001 SUNDRY	BUREAU OF LAND MAN		REC	A page Serial No.
OBBS Do not use the property of the property o	his form for proposals in the little of the	to drill or to re-en APD) for such prop	nter an DEC 1 DOSANOBR	2016 Indian, Allottee or Tribe Name
	IPLICATE- Other inst			7. If Unit or CA/Agreement, Name and/or No.
1. Type of Well Oil Well □ □	☐ Gas Well□□ ☐ Other	~		8. Well Name and No.
2. Name of Operator Devon Energ	gy Production Company, L.P.	/		New Mexico 24 Federal Com 3H 9. API Well No.
3a. Address 20 North Broadway, Oklahom		3b. Phone No. (include of 405-397-2584	area code)	30-025-39741 10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec.,	T., R, M, or Survey Description)			EK Delaware
510 FNL & 545 FEL, Sec 24 T	T18S R33E			11. County or Parish, State Lea County, NM
12. CHECK A	PPROPRIATE BOX(ES) TO	INDICATE NATURE	E OF NOTICE, 1	REPORT, OR OTHER DATA
TYPE OF SUBMISSION		ТҮРІ	E OF ACTION	
Notice of Intent Subsequent Report Final Abandonment Notice	Acidize Alter Casing Casing Repair Change Plans Convert to Injection	Deepen Fracture Treat New Construction Plug and Abandon Plug Back	Production (S Reclamation Recomplete Temporarily A Water Disposa	Well Integrity Other
If the proposal is to deepen dir Attach the Bond under which t following completion of the in	ectionally or recomplete horizontal the work will be performed or prov volved operations. If the operation inal Abandonment Notices shall be	ly, give subsurface locations ide the Bond No. on file wi results in a multiple comple	s and measured and to th BLM/BIA. Requi ction or recompletion	any proposed work and approximate duration thereof. rue vertical depths of all pertinent markers and zones. ired subsequent reports shall be filed within 30 days in a new interval, a Form 3160-4 shall be filed once mation, have been completed, and the operator has
previously approved hole between 3,100° and when into the 2nd intermediate	size, casing, & cementing pro-	grams for the hole interv rant, up to a maximum over is shallower.	val 3,100-8,300' M depth of 5,800'. A	he following attached program will override all D. The 2nd intermediate string may be set liner will be run from TD and set 500' back
	be revised pending caliper m	_	111111111111111111111111111111111111111	
			·	APPROVED DEC 8 2010 Formands
14. I hereby certify that the fore Name (Printed/Typed)				BUREAU OF LAND MANACEMENT CARLSBAD FIELD OFFICE
Johnathan Ash	eraft	Title Dr	illing Engineer	
Signature Johnson	in Habraff	Date		12/06/2010
(/	THIS SPACE FOR	FEDERAL OR ST	TATE OFFICI	EUSE

which would entitle the applicant to conduct operations thereon. 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.

Office

Approved by

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

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this

form and the number of copies to be submitted, particularly with regard to local area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13 - Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or

present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well and date well site conditioned for final inspection looking to approval of the abandonment.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

This information is being collected to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 25 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer, (WO-630), Mail Stop 401 LS, 1849 C St., N.W., Washington D.C. 20240

New Mexico 24 Fed 3ComH JTA 12/2/2010

If downhole conditions warrant the need for a 2nd intermediate casing string before 5,800' MD, the following program will override all previously approved hole size, casing, & cementing programs for the hole interval 3,100-8,300' MD. The 2nd intermediate string may be set between 3,100' and whenever downhole conditions warrant, up to a maximum depth of 5,800'. A liner will be run from TD and set 500' back into the 2nd intermediate casing shoe or 4,300', whichever is shallower. Also, the Cement Program for the 5 ½" has been modified to bring cement to surface.

All cement volumes could be revised pending caliper measurement.

Casing I <u>Hole</u> <u>Size</u>	Program <u>Hole</u> <u>Interval</u>	OD Csg	<u>Casin</u> <u>Interv</u>		<u>h</u>	<u>Collar</u>	<u>Grade</u>
8 3/4"	Between 3,100' – 5,800'	7"	Top: 0 Bottom: 3,100'			втс	HCP-110
6 1/8"	Between 3,100' – 8,300'	4 ½"	Top: 4,300 or 5 above 2 nd Intern Casing Bottom: TD	nediate	 	втс	HCP-110
	Design Parameter Fac	tors:					,
	Casing Size S.F.	Collapse I	Design S.F. Bu	urst Design S.F.	Te	nsion Desig Dry	<u>gn S.F.</u>
	7"	3.	57	4.36		3.87	
	4 1/2"	1	.3	1.8		6.77	

New Mexico 24 Fed 3ComH JTA 12/2/2010

Cementing Program

5 1/2" Production Cementing Modification

1 St Stage

Lead: 250 sacks (35:65) Poz (Fly Ash): Class H Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.1% bwoc ASA-301 + 6% bwoc Bentonite + 0.2% bwoc FL-52A + 107.8% Fresh Water

Yield: 2.04 cf/sack.

Tail

Lead: 845 sacks (50:50) Poz (Fly Ash):Class H Cement + 5% bwow Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 0.6% bwoc Sodium Metasilicate + 0.2% bwoc FL-52A + 57.4% Fresh Water

Yield: 1.28 cf/sack.

DV TOOL at ~4,000

2Nd Stage

Lead: 370 sacks Class C Cement + 3% bwoc Sodium Metasilicate + 0.75% bwoc R-3 + 0.125 lbs/sack Cello Flake + 157% Fresh Water

Yield: 2.88 cf/sk

Tail: 150 sacks Class C Cement

Yield: 1.33 cf/sk

TOC for 5 ½" Production: 0'

Cementing Program for 2nd Intermediate & Liner Contigency

7" 2nd Intermediate

1 St Stage

Lead: 845 sacks (50:50) Poz (Fly Ash):Class H Cement + 5% bwow Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 0.6% bwoc Sodium Metasilicate + 0.2% bwoc FL-52A + 57.4% Fresh Water

Yield: 1.18 cf/sack.

DV TOOL at ~4,000 (Withing 500' of waterflow)

2Nd Stage

Lead: 630 sacks Class H Cement + 2% bwoc Calcium Chloride + 3 lbs/sack LCM-1 + 0.125 lbs/sack Cello Flake + 43.8% Fresh Water

Yield: 1.2 cf/sk

4 1/2" Liner

Lead: 773 sacks (50:50) Poz (Fly Ash):Class H Cement + 5% bwow Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 0.6% bwoc Sodium Metasilicate + 0.2% bwoc FL-52A + 57.4% Fresh Water

Yield: 1.28 cf/sk

TOC for Contingency Casing Strings

2nd Intermediate: 0

Liner: 500' above 2nd Intermediate Casing Shoe Or 4,300'



Proposal No: 215856209C

Devon Energy Corp New Mexico 24 Fed #3H

API# 30-025-39741-0000

Sec. 24-18S-33E Lea County, New Mexico December 1, 2010

Well Proposal

Prepared for:

Johnathan Ashcraft Drilling Engineer Oklahoma City, Oklahoma Bus Phone: (405) 228-8964

Prepared by:

John Parks
Region Technical Rep.
Oklahoma City, Oklahoma



Service Point:

Hobbs

Bus Phone:

(575) 392-5556

Fax:

(575) 392-7307

Service Representatives:

Steve Matlock
District Sales Supervisor
Hobbs, New Mexico

Qperator Name: Well Name: Job Description: Date: Devon Energy Corp New Mexico 24 Fed #3H Long String - 5 1/2 Option December 1, 2010



Proposal No: 215856209C

JOB AT A GLANCE

Depth (TVD) 5,440 ft

Depth (MD) 8,270 ft

Hole Size 8.75 in

Casing Size/Weight 5 1/2 in, 17 lbs/ft

Pump Via 5 1/2" O.D. (4.892" I.D) 17

Total Mix Water Required 15,190 gals

Stage No: 1 Float Collar set @ 8,230 ft

Spacer

Fresh Water 10 bbls
Density 8.3 ppg

Spacer

Mud Clean II 1,500 gals
Density 8.5 ppg

Spacer

Fresh Water 10 bbls
Density 8.3 ppg

Lead Slurry

 35:65:6 Poz:Class H
 250 sacks

 Density
 12.5 ppg

 Yield
 2.04 cf/sack

Tail Slurry

50:50 Poz:Class H845 sacksDensity14.2 ppgYield1.28 cf/sack

Displacement

Displacement Fluid 191 bbls

Operator Name: Well Name: **Job Description:** Date:

Devon Energy Corp New Mexico 24 Fed #3H Long String - 5 1/2 Option December 1, 2010



Proposal No: 215856209C

JOB AT A GLANCE (Continued)

Stage No: 2 Stage Collar set @ 4,000 ft

Spacer

20 bbls Fresh Water 8.3 ppg **Density**

Lead Slurry

370 sacks Class C + Additives 11.4 ppg Density Yield 2.88 cf/sack

Tail Slurry

150 sacks Class C 14.8 ppg **Density** 1.33 cf/sack Yield

Displacement

93 bbls **Displacement Fluid**

Operator Name: Well Name: Job Description:

Devon Energy Corp New Mexico 24 Fed #3H Long String - 5 1/2 Option

Date:

December 1, 2010



Proposal No: 215856209C

WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D.	DEPTH(ft)			
(in)	MEASURED	TRUE VERTICAL		
8.835 CASING	3,135	3,135		
8.750 HOLE	8,270	5,440		

SUSPENDED PIPES

DIAMET	ER (in)	WEIGHT	DEPTH(ft)		
O.D.	1.D.	(lbs/ft)	MEASURED	TRUE VERTICAL	
5.500	4.892	17	8,270	5,440	

STAGE: 1

Float Collar set @

8,230 ft

Mud Density

9.50 ppg

Est. Static Temp.

124 ° F

Est. Circ. Temp.

124 ° F

VOLUME CALCULATIONS

1,000 ft	х	0.2526 cf/ft	with	100 % excess	=	505.2 cf
3,270 ft	х	0.2526 cf/ft	with	30 % excess	=	1073.8 cf

with

40 ft x 0.1305 cf/ft

0 % excess

5.2 cf (inside pipe)

TOTAL SLURRY VOLUME = 1584.2 cf

: 282 bbls

STAGE: 2

Stage Collar set @

4,000 ft

Mud Density

9.50 ppg

Est. Static Temp.

112 ° F

Est. Circ. Temp.

99 ° F

VOLUME CALCULATIONS

3,135 ft	х	0.2607 cf/ft	with	0 % excess	=	817.4 cf
471 ft	Х	0.2526 cf/ft	with	100 % excess	=	238.1 cf
394 ft	x	0.2526 cf/ft	with	100 % excess	=	198.9 cf

TOTAL SLURRY VOLUME

1254.4 cf

= 224 bbls

Operator Name: Well Name: Job Description: Date: Devon Energy Corp New Mexico 24 Fed #3H Long String - 5 1/2 Option December 1, 2010



Proposal No: 215856209C

FLUID SPECIFICATIONS

STAGE NO. 1

Spacer

Opucci

Spacer Spacer 10.0 bbls Fresh Water @ 8.34 ppg

1,500.0 gals Mud Clean II @ 8.45 ppg

10.0 bbls Fresh Water @ 8.34 ppg

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FLUID	VOLUME CU-FT	VOLUME FACTOR	AMOUNT AND TYPE OF CEMENT
Lead Slurry	505	<i>I</i> 2.04	= 250 sacks (35:65) Poz (Fly Ash):Class H Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.1% bwoc ASA-301 + 6% bwoc Bentonite + 0.2% bwoc FL-52A + 107.8% Fresh Water
Tail Slurry	1079	I 1.28	= 845 sacks (50:50) Poz (Fly Ash):Class H Cement + 5% bwow Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 0.6% bwoc Sodium Metasilicate + 0.2% bwoc FL-52A + 57.4% Fresh Water
Displacement			191.3 bbls Displacement Fluid

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CEMENT PROPERTIES

	NO.1	NO.2
Slurry Weight (ppg)	12.50	14.20
Slurry Yield (cf/sack)	2.04	1.28
Amount of Mix Water (gps)	11.25	5.78
Estimated Pumping Time - 70 BC (HH:MM)	5:00	4:30
Free Water (mls) @ ° F @ 90 ° Angle		0.0
Fluid Loss (cc/30min) at 1000 psi and ° F		
COMPRESSIVE STRENGTH		50.0
12 hrs @ 124 ° F (psi) 24 hrs @ 124 ° F (psi) 72 hrs @ 124 ° F (psi)	200 500 650	250 1200 1600

Operator Name: Well Name: Job Description:

Date:

Devon Energy Corp New Mexico 24 Fed #3H Long String - 5 1/2 Option

December 1, 2010



Proposal No: 215856209C

FLUID SPECIFICATIONS (Continued)

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31	ıA	GE	N	u	. 2

Spacer

20.0 bbls Fresh Water @ 8.34 ppg

Lead Slurry

1056 *I* 2.88

= 370 sacks Class C Cement + 3% bwoc Sodium

Metasilicate + 0.75% bwoc R-3 + 0.125 lbs/sack

Cello Flake + 157% Fresh Water

Tail Slurry

199 *I* 1.33

= 150 sacks Class C Cement

FLUID

VOLUME CU-FT VOLUME FACTOR

AMOUNT AND TYPE OF CEMENT

Displacement

93.0 bbls Displacement Fluid

CEMENT PROPERTIES

	SLURRY NO.1	SLURRY NO.2
Slurry Weight (ppg) Slurry Yield (cf/sack) Amount of Mix Water (gps) Estimated Pumping Time - 70 BC (HH:MM) Free Water (mls) @ ° F @ 90 ° Angle Fluid Loss (cc/30min) at 1000 psi and ° F	11.40 2.88 17.69 4:30	14.80 1.33 6.33 2:30
COMPRESSIVE STRENGTH 12 hrs @ 112 ° F (psi) 24 hrs @ 112 ° F (psi)	130 . 300	1400 1900

CEMENT VOLUMES MAY VARY BASED ON CALIPER.

Operator: Well Name: Job Description: Devon Energy Corp New Mexico 24 Fed #3H Long String - 5 1/2 Option

Date:

December 1, 2010



Proposal No: 215856209C

PRICE ESTIMATE

Product Material

QTY	UNIT	PRODU	CT DESCRIPTION	NET AMOUNT
520	94lbs	Class C Cement		4,914.00
585	94lbs	Class H Cement		5,569.20
1305	lbs	Bentonite		214.67
1470	lbs	Sodium Metasilicate		1,888.22
261	lbs	R-3		300.54
78	lbs	Cello Flake		124.76
510	74lbs	Poz (Fly Ash)		2,561.48
3206	lbs	Sodium Chloride		516.17
1500	gals	Mud Clean II		792.75
186	lbs	FL-52A		1,568.91
213	lbs	CD-32		887.15
355	ibs	FL-25		2,516.06
22	lbs	ASA-301		139.76
			Product Material Subtotal:	\$21,993.67

Service Charges

QTY	UNIT	PRODUCT DESCRIPTION	NET AMOUNT
1	ea	Personnel Surcharge - Cement Svc	53.20
1735	cu ft	Bulk Materials Service Charge	2,386.49
		Service Charges Subtotal:	\$2,439.69

Customer will be charged for all 'SPECIAL PROPPANTS' delivered to location, whether they are pumped or not. All proppants other than standard grade frac sand are considered 'SPECIAL PROPPANTS'.

The technical data contained in this proposal is based on the best information available at the time of writing and is subject to further analysis and testing. The pricing data contained in this proposal are estimates only and may vary depending on the work actually performed. Pricing does not include federal, state and local taxes or royalties.

This quotation is based on BJ Services Company being awarded the work on a first call basis and within thirty (30) days of the proposal date. These prices will be subject to review if the work is done after thirty (30) days from the proposal date, or on a second or third call basis.

Operator: Well Name: **Job Description:**

New Mexico 24 Fed #3H Long String - 5 1/2 Option

Date:

Devon Energy Corp December 1, 2010



Proposal No: 215856209C

PRICE ESTIMATE

Equipment

QTY	UNIT	PRODUCT DESCRIPTION	NET AMOUNT
1	6hrs	Cement Pumping, 8001 - 9000 ft	2,747.50
1	job	Fas-Lok Cement Head	208.25
1	job	Data Acquisition, Cement, Standard	539.00
270	miles	Mileage, Heavy Vehicle	807.98
90	miles	Mileage, Auto, Pick-Up or Treating Van	152.15
1	stage	Multiple Stage Cementing	1,330.00
1	6hrs	Cement Pump, Reserve, 1st 6 hrs	1,356.25
1	job	Field Storage Bin	418.25
1	job	Centrifugal Transfer Pump, Trailer	395.50
,-: <u></u> ,		Equipment Subtotal:	\$7,954.88

Freight/Delivery Charges

QTY	UNIT	PRODUCT DESCRIPTION		NET AMOUNT
3345	tonmi	Bulk Delivery, Dry Products		3,336.64
,			Freight/Delivery Charges Subtotal:	\$3,336.64
			TOTAL:	\$35,724.88

Customer will be charged for all 'SPECIAL PROPPANTS' delivered to location, whether they are pumped or not. All proppants other than standard grade frac sand are considered 'SPECIAL PROPPANTS'.

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Operator Name: Well Name: Job Description:

Date:

Devon Energy Corp New Mexico 24 Fed #3H

Whipstock Plug December 1, 2010



Proposal No: 215856209C

JOB AT A GLANCE

Depth (TVD)

6,000 ft

Depth (MD)

6,000 ft

Hole Size

8.75 in

Casing Size/Weight

9 5/8 in, 40 lbs/ft

Pump Via

Casing 4 1/2" O.D. (4.000" .I.D) 11.6

Total Mix Water Required

2,174 gals

Spacer

Mud Clean II

15 bbls

Cement Slurry

Class H Density 725 sacks 18.0 ppg

Yield

0.90 cf/sack

Operator Name: Well Name:

Job Description: Date:

Devon Energy Corp New Mexico 24 Fed #3H

Whipstock Plug December 1, 2010



Proposal No: 215856209C

FLUID SPECIFICATIONS

Spacer

= 15.0 bbls Mud Clean II

- I' · · ·						
PLUG NO	VOLUME CU-FT	_	VOLUME FACTOR	AMOUNT AND TYPE OF C	EMENT	
1	654	1	.9	= 725 sacks Class H Cement + 5% bwow S Chloride + 1.2% bwoc CD-32 + 26.6% Fr Water		
CEMENT PROP	PERTIES					
	•			PLUG		
				NO.1		
Slurry Weight	(ppg)			18.00		
Slurry Yield (d	cf/sack)			0.90		

3.00

2:30

1

Amount of Mix Water (gps)

COMPRESSIVE STRENGTH

Estimated Pumping Time - 70 BC (HH:MM)

TOP

4700 ft

to

12 hrs @ 128 ° F (psi) 24 hrs @ 128 ° F (psi)	. 3900 5800	
PLUG GEOMETRY		
PLUG	PLUG	

BOTTOM

6000 ft

with 8.75 inch Open Hole PDSqT = 110 ° F PDST = 128 ° F

Operator: Well Name: **Job Description:**

Date:

Devon Energy Corp New Mexico 24 Fed #3H

Whipstock Plug



December 1, 2010

Proposal No: 215856209C

PRICE ESTIMATE

Product Material

QTY	UNIT		NET AMOUNT
725	ľ .	Class H Cement	6,902.00
906	lbs	Sodium Chloride	145.87
630	gals	Mud Clean II	332.96
818		CD-32	3,406.97
		Product Material Subtotal	l: \$10,787.80

Service Charges

QTY	UNIT	PRODUCT DESCRIPTION	NET AMOUNT
1	ea	Personnel Surcharge - Cement Svc	53.20
761	cu ft	Bulk Materials Service Charge	1,046.76
		Service Charges Subtotal:	\$1,099.96

Equipment

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QTY	UNIT	PRODUCT DESCRIPTION	NET AMOUNT
1	6hrs	Cement Pumping, 5001 - 6000 ft	2,012.50
1	job	Data Acquisition, Cement, Standard	539.00
90	miles	Mileage, Heavy Vehicle	269.33
90	miles	Mileage, Auto, Pick-Up or Treating Van	152.15
		Equipment Subtotal:	\$2,972.98

Freight/Delivery Charges

QTY	UNIT	PRODUCT DESCRIPTION	NET AMOUNT	
1572	tonmi	Bulk Delivery, Dry Products		1,568.07
		Freight/Delivery Charges Subto	tal:	\$1,568.07
		ТОТА	AL:	\$16,428.81

Customer will be charged for all 'SPECIAL PROPPANTS' delivered to location, whether they are pumped or not. All proppants other than standard grade frac sand are considered 'SPECIAL PROPPANTS'.

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This quotation is based on BJ Services Company being awarded the work on a first call basis and within thirty (30) days of the proposal date. These prices will be subject to review if the work is done after thirty (30) days from the proposal date, or on a second or third call basis.

Operator Name: Well Name: Job Description: Date: Devon Energy Corp New Mexico 24 Fed #3H 2nd Intermediate - 7" Option

December 1, 2010



Proposal No: 215856209C

JOB AT A GLANCE

Depth (TVD) 5,440 ft

Depth (MD) 5,767 ft

Hole Size 8.75 in

Casing Size/Weight 7 in, 29 lbs/ft

Pump Via 7" O.D. (6.184" .I.D) 29

Total Mix Water Required 5,346 gals

Stage No: 1 Float Collar set @ 5,727 ft

Spacer

Turbo Flow III 40 bbls
Density 13.5 ppg

Spacer

Fresh Water 5 bbls
Density 8.3 ppg

Cement Slurry

Class H 455 sacks

Density 15.6 ppg

Yield 1.18 cf/sack

Displacement

Displacement Fluid 213 bbls

Operator Name: Well Name: Job Description:

Date:

Devon Energy Corp New Mexico 24 Fed #3H 2nd Intermediate - 7" Option

December 1, 2010



Proposal No: 215856209C

JOB AT A GLANCE (Continued)

Stage No: 2 Stage Collar set @ 4,000 ft

Spacer

Fresh Water 10 bbls
Density 8.3 ppg

Cement Slurry

Class H 630 sacks
Density 15.6 ppg
Yield 1.20 cf/sack

Displacement

Displacement Fluid 149 bbls

Operator Name: Well Name:

Date:

Job Description:

Devon Energy Corp New Mexico 24 Fed #3H 2nd Intermediate - 7" Option

December 1, 2010



Proposal No: 215856209C

WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D.	DEPTH(ft)		
(in)	MEASURED	TRUE VERTICAL	
8.835 CASING	3,135	3,135	
8.750 HOLE	5,767	5,440	

SUSPENDED PIPES

DIAMET	ER (in)	WEIGHT	DEPTH(ft)		
O.D.	I.D.	(lbs/ft)	MEASURED TRUE VERTIC		
7.000	6.184	29	5,767	5,440	

STAGE: 1

Float Collar set @

5,727 ft

Mud Density

13.00 ppg

Est. Static Temp.

124 ° F

Est. Circ. Temp.

108 ° F

VOLUME CALCULATIONS

1.767 ft 40 ft

0.1503 cf/ft 0.2086 cf/ft Х

with

with

100 % excess

531.3 cf

0 % excess

8.3 cf (inside pipe)

TOTAL SLURRY VOLUME

539.6 cf

96 bbls

STAGE: 2

Stage Collar set @

4,000 ft

Mud Density

13.00 ppg

Est. Static Temp.

112 ° F

Est. Circ. Temp.

99° F

VOLUME CALCULATIONS

3,135 ft 865 ft

0.1585 cf/ft 0.1503 cf/ft

with with

0 % excess 100 % excess

496.8 cf 260.1 cf

=

TOTAL SLURRY VOLUME

756.9 cf

135 bbls

Operator Name: Well Name: Job Description:

Date:

Devon Energy Corp New Mexico 24 Fed #3H 2nd Intermediate - 7" Option December 1, 2010



Proposal No: 215856209C

FLUID SPECIFICATIONS

STAGE NO. 1

40.0 bbls Turbo Flow III @ 13.5 ppg Spacer Spacer

5.0 bbls Fresh Water @ 8.34 ppg

•					· ·
FLUID	VOLUME CU-FT		OLUME	AMOUNT AND TYPE OF C	EMENT
Cement Slurry	540	1	1.18	= 455 sacks Class H Cement Flake + 3 lbs/sack LCM-1 +	
Displacement				212.8 bbls Displacement Flu	uid
CEMENT PROPER	RTIES				
				SLURRY NO.1	
Slurry Weight (ppg	3)			15.60	

Slurry Weight (ppg)	15.60
Slurry Yield (cf/sack)	1.18
Amount of Mix Water (gps)	4.92
Estimated Pumping Time - 70 BC (HH:MM)	3:45
COMPRESSIVE STRENGTH	

12 hrs @ 124 ° F (psi)		
24 hrs @ 124 ° F (psi)		1200
,	•	1900

Operator Name: Well Name: Job Description: Devon Energy Corp New Mexico 24 Fed #3H 2nd Intermediate - 7" Option

December 1, 2010



Proposal No: 215856209C

FLUID SPECIFICATIONS (Continued)

STAGE NO. 2

Spacer

Date:

10.0 bbls Fresh Water @ 8.34 ppg

•				
FLUID	VOLUME CU-FT	_	OLUME ACTOR	AMOUNT AND TYPE OF CEMENT
Cement Slurry	757	I	1.2	= 630 sacks Class H Cement + 2% bwoc Calcium Chloride + 3 lbs/sack LCM-1 + 0.125 lbs/sack Cello Flake + 43.8% Fresh Water
Displacement				148.6 bbls Displacement Fluid
CEMENT PROPER	TIES			
				SLURRY
·				NO.1
Slurry Weight (ppg	ı)			15.60
Slurry Yield (cf/sac	ck)			1.20
Amount of Mix Wat	er (gps)			4.93
Estimated Pumping	70 BC (H	H:MI	A)	2:45
COMPRESSIVE S	TRENGTH			
12 hrs @ 112 ° 24 hrs @ 112 °				1100 1800

Operator: Well Name: Job Description:

Date:

Devon Energy Corp New Mexico 24 Fed #3H 2nd Intermediate - 7" Option

December 1, 2010



Proposal No: 215856209C

PRICE ESTIMATE

Product Material

QTY	UNIT	PRODUCT DESCRIPTION	NET AMOUNT
1085	94lbs	Class H Cement	10,329.20
1185	lbs	Calcium Chloride	476.96
3255	lbs	LCM-1	1,241.78
136	lbs	Cello Flake	217.53
40	bbls	Turbo Flow III, 13.5 - 13.9 ppg	1,890.00
		Product Material Subtotal:	\$14,155.47

Service Charges

QTY	UNIT	PRODUCT DESCRIPTION	NET AMOUNT
1	ea	Personnel Surcharge - Cement Svc	53.20
1183 cu ft Bulk Materials Ser		Bulk Materials Service Charge	1,627.22
		Service Charges Subtotal:	\$1,680.42

Equipment

QTY	UNIT	PRODUCT DESCRIPTION	NET AMOUNT
1	6hrs	Cement Pumping, 5001 - 6000 ft	1,916.25
1	job	Cement Head	208.25
1	job	Data Acquisition, Cement, Standard	539.00
90	miles	Mileage, Heavy Vehicle	269.33
90	miles	Mileage, Auto, Pick-Up or Treating Van	152.15
1	stage	Multiple Stage Cementing	1,330.00
1	job	Field Storage Bin, Up To 5 Days	418.25
1	job	Centrifugal Transfer Pump, Trailer	395.50
		Equipment S	Subtotal: \$5;228.73

Customer will be charged for all 'SPECIAL PROPPANTS' delivered to location, whether they are pumped or not. All proppants other than standard grade frac sand are considered 'SPECIAL PROPPANTS'.

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Operator: Well Name: Job Description:

Date:

Devon Energy Corp New Mexico 24 Fed #3H 2nd Intermediate - 7" Option

December 1, 2010



Proposal No: 215856209C

PRICE ESTIMATE

Freight/Delivery Charges

QTY UNIT	PRODUCT DESCRIPTION	NET AMOUNT
2397 tonmi	Bulk Delivery, Dry Products	2,391.01
	Freight/Delivery Charges Subtotal:	\$2,391.01

TOTAL: \$23,455.63

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Operator Name: Well Name: **Job Description:** Date:

Devon Energy Corp New Mexico 24 Fed #3H Liner - 4 1/2 Option December 1, 2010



Proposal No: 215856209C

JOB AT A GLANCE

Hole Size

5,440 ft Depth (TVD) 8.270 ft

Depth (MD) 6.125 in

4 1/2 in, 11.6 lbs/ft Liner Size/Weight

Casing 3 1/2" O.D. (2.992" .I.D) 9.3 **Pump Via**

Casing 4 1/2" O.D. (4.000" .I.D) 11.6

1,994 gals **Total Mix Water Required**

Spacer 10 bbls

Fresh Water **Density** 8.3 ppg

Spacer

1,500 gals Mud Clean II 8.5 ppg **Density**

Spacer Fresh Water 10 bbls

8.3 ppg **Density**

Cement Slurry

345 sacks 50:50 Poz:Class H 14.2 ppg **Density**

1.28 cf/sack Yield

Displacement Displacement Fluid 95 bbls Operator Name: Well Name: Job Description:

Date:

Devon Energy Corp New Mexico 24 Fed #3H Liner - 4 1/2 Option December 1, 2010



Proposal No: 215856209C

WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D.	DEPT	H(ft)
(in)	MEASURED	TRUE VERTICAL
6.184 CASING	5,767	5,440
6.125 HOLE	8,270	5,440

SUSPENDED PIPES

DIAMETE	DIAMETER (in)		DI	PTH(ft)
O.D.	I.D.	(lbs/ft)	MEASURED	TRUE VERTICAL
4.500	4.000	11.6	8,270	5,440

Casing 3.5 (in) OD, 2.992 (in) ID,	4,850 ft
9.3 (lbs/ft) set @ Casing 4.5 (in) OD, 4.0 (in) ID, 11.6 (lbs/ft) set @	8,270 ft
Depth to Top of Liner	4,850 ft
Float Collar set @	8,230 ft
Mud Density	9.50 ppg
Est. Static Temp.	124 ° F
Est. Circ. Temp.	124 ° F

VOLUME CALCULATIONS

200 ft	х	0.2086 cf/ft	with	0 % excess	= .	42 cf
917 ft	Χ.	0.0981 cf/ft	with	0 % excess	=	90 cf
2,503 ft	X	0.0942 cf/ft	with	30 % excess	=	306 cf
40 ft	X	0.0873 cf/ft	with	0 % excess	=	3 cf (inside pipe)

TOTAL SLURRY VOLUME = 442 cf = 79 bbls

Operator Name: Well Name: Job Description:

Date:

Devon Energy Corp New Mexico 24 Fed #3H Liner - 4 1/2 Option December 1, 2010



Proposal No: 215856209C

FLUID SPECIFICATIONS

10.0 bbls Fresh Water @ 8.34 ppg Spacer 1,500.0 gals Mud Clean II @ 8.45 ppg Spacer 10.0 bbls Fresh Water @ 8.34 ppg Spacer

FLUID	VOLUME CU-FT		OLUME	AMOUNT AND TYPE OF CEMENT
Cement Slurry	442	I	1.28	= 345 sacks (50:50) Poz (Fly Ash):Class H Cement + 5% bwow Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 0.6% bwoc Sodium Metasilicate + 0.2% bwoc FL-52A + 57.4% Fresh Water
Displacement	÷			94.7 bbls Displacement Fluid
CEMENT PROPERT	ΓIES			

CEMENT PROPERTIES	SLURRY NO.1
Slurry Weight (ppg)	14.20
Slurry Yield (cf/sack)	1.28
Amount of Mix Water (gps)	5.78
Estimated Pumping Time - 70 BC (HH:MM)	4:30
Free Water (mls) @ 124 ° F @ 90 ° Angle	0.0
Fluid Loss (cc/30min) at 1000 psi and 124 ° F	
COMPRESSIVE STRENGTH	50.0
12 hrs @ 124 ° F (psi) 24 hrs @ 124 ° F (psi) 72 hrs @ 124 ° F (psi)	250 1200 1600

CEMENT VOLUMES MAY VARY BASED ON CALIPER.

Operator: Well Name: Job Description: Date: Devon Energy Corp New Mexico 24 Fed #3H Liner - 4 1/2 Option December 1, 2010



Proposal No: 215856209C

PRICE ESTIMATE

Product Material

QTY	UNIT	PRODL	CT DESCRIPTION	NET AMOUNT
173	94lbs	Class H Cement		1,646.96
174	lbs	Sodium Metasilicate		223.50
173	74lbs	Poz (Fly Ash)		868.89
831	lbs	Sodium Chloride		133.79
1500	gals	Mud Clean II	·	792.75
58	lbs	FL-52A		489.23
87	lbs	CD-32		362.36
145	lbs	FL-25		1,027.69
			Product Material Subtotal:	\$5,545.17

Service Charges

QTY	UNIT	PRODUCT DESCRIPTION	NET AMOUNT
1	ea	Personnel Surcharge - Cement Svc	53.20
1	4hrs	Batch Mix Truck, 100-150 bbl, 1st 4 Hrs	988.75
2	hrs	Batch Mix Truck, 100-150 bbl, After 4hrs	497.00
368	cu ft	Bulk Materials Service Charge	506.18
		Service Charges Subtotal:	\$2,045.13

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Operator: Well Name: Job Description: Date: Devon Energy Corp New Mexico 24 Fed #3H Liner - 4 1/2 Option

December 1, 2010



Proposal No: 215856209C

PRICE ESTIMATE

Equipment

QTY	UNIT	PRODUCT DESCRIPTION	NET AMOUNT
1	6hrs	Cement Pumping, 8001 - 9000 ft	2,747.50
1	job	Fas-Lok Cement Head	208.25
1	job	Data Acquisition, Cement, Standard	539.00
360	miles	Mileage, Heavy Vehicle	1,077.30
90	miles	Mileage, Auto, Pick-Up or Treating Van	152.15
1	6hrs	Cement Pump, Reserve, 1st 6 hrs	1,356.25
1	job	Field Storage Bin	418.25
1	job	Centrifugal Transfer Pump, Trailer	395.50
		Equipment Subtotal:	\$6,894.20

Freight/Delivery Charges

QTY	UNIT	PRODUCT DESCRIPTION	NET AMOUNT
681	tonmi	Bulk Delivery, Dry Products	679.30
		Freight/Delivery Charges Subtotal:	\$679.30

TOTAL: \$15,163.80

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CONDITIONS

BJ Services' performance of services and sale of materials is expressly conditioned upon the applicability of the Terms and Conditions contained in the current BJ Services Price Book. The Terms and Conditions include, among other things, an indemnity in favor of BJ Services from Customer for damage to the well bore, reservoir damage, loss of the hole, blowouts and loss of control of the well, even if caused by the negligence or other fault of BJ Services. The Terms and Conditions also limit the warranties provided by the BJ Services and the remedies to which Customer may be entitled in the event of a breach of warranty by BJ Services. For these reasons, we strongly recommend that you carefully review a copy of the Terms and Conditions. If you do not have a copy of the BJ Services Price Book, you can view the Terms and Conditions on BJ Services Web Site, www.bjservices.com. By requesting that BJ Services perform the services described herein, Customer acknowledges that such Terms and Conditions are applicable to the services. Further, by requesting the services, Customer warrants that its representative on the well location or other service site will be fully authorized to acknowledge such Terms and Conditions by executing a Field Receipt or other document presented by BJ Services containing such Terms and Conditions.

In the event that Customer and BJ Services have executed a Master Services Agreement covering the work to be performed, such Master Services Agreement shall govern in place of the Terms and Conditions. If you are interested in entering into Master Services Agreement with BJ Services, please contact us through the "Go BJ" button on the BJ Services Web Site.

Operator: Well Name: Devon Energy Corp New Mexico 24 Fed #3H December 1, 2010



Proposal No: 215856209C

PRODUCT DESCRIPTIONS

ASA-301

Additive used to reduce or eliminate free water and settling in cement slurries.

Bentonite

Commonly called gel, it is a clay material used as a cement extender and to control excessive free water.

CD-32

A patented, free-flowing, water soluble polymer that is an efficient and effective dispersant for primary and remedial cementing.

Calcium Chloride

A powdered, flaked or pelletized material used to decrease thickening time and increase the rate of strength development.

Cello Flake

Graded (3/8 to 3/4 inch) cellophane flakes used as a lost circulation material.

Class C Cement

Intended for use from surface to 6000 ft., and for conditions requiring high early strength and/or sulfate resistance.

Class H Cement

Class H cement is an API type, all purpose oil well cement which is used without modification in wells up to 8,000 ft. It possesses a moderate sulfate resistance. With the use of accelerators or retarders, it can be used in a wide range of well depths and temperatures.

FL-25

An all purpose salt-tolerant fluid loss additive that provides exceptional fluid loss control across a wide range of temperatures and salinity conditions and remedial cementing applications.

FL-52A

A water soluble, high molecular weight fluid loss additive used in medium to low density slurries. It is functional from low to high temperature ranges.

LCM-1

A graded (8 to 60 mesh) naturally occurring hydrocarbon, asphaltite. It is used as a lost circulation material at low to moderate temperatures and will act as a slurry extender. Cement compressive strength is reduced.

Mud Clean II

A water-base mud wash designed for use ahead of cement slurries to aid in mud and drilling debris removal and to prevent contamination of the cement slurry. It should be used only when water-base mud is used.

Poz (Fly Ash)

A synthetic pozzolan, (primarily Silicon Dioxide). When blended with cement, Pozzolan can be used to create lightweight cement slurries used as either a filler slurry or a sulfate resistant completion cement.

Operator: Well Name: Date: Devon Energy Corp New Mexico 24 Fed #3H December 1, 2010



Proposal No: 215856209C

PRODUCT DESCRIPTIONS (Continued)

R-3

A low temperature retarder used in a wide range of slurry formulations to extend the slurry thickening time.

Sodium Chloride

At low concentrations, it is used an accelerator for cement slurries. At high concentrations, it is used for formation compatibility.

Sodium Metasilicate

An accelerator used to decrease the thickening time of cement slurries.

Sodium Metasilicate

An extender used to produce an economical, low density cement slurry.

Turbo Flow III

A water-based weighted cement spacer designed for water based drilling muds. Turbo Flow III easily achieves turbulence in most hole geometries and is compatible with cements and most drilling muds.

Well Name:

Operator Name: Devon Energy Corp Well Name: New Mexico 24 Fed #3H

Date:

December 1, 2010



Proposal No: 215856209C

End of Report