OCD-ARTESIA

Form 3160-5 * (February 2005)

(Instructions on page 2)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB No 1004-0137

Expires March 31, 2007

BUREAU OF LAND MANAGEMENT			5 Lease Serial No NMNM-54856		
Do not use this t		RTS ON WELLS o drill or to re-enter an PD) for such proposals.	6 If Indian, Allottee or Tribe Name		
SUBMI	T IN TRIPLICATE – Other in	instruction RECEIVED	7. If Unit of CA/Agreement, Name and/or No		
1 Type of Well ✓ Oil Well Gas W	/ell Other	JUN 1 0 2010	8 Well Name and No Dickens 29 Federal 1H		
2 Name of Operator Devon Energy Production Co., LP		NMOCD ARTESIA	9 API Well No 30-015-37385		
3a Address 20 North Broadway		3b. Phone No <i>(include area code)</i> (405)-552-7802	10 Field and Pool or Exploratory Area Dog Canyon; Wolfcamp		
4 Location of Well (Footage, Sec., T. SESE St. 170' FSt. & 790' FEL BHL 330' FS Sec 29-T16S-R28E	R , M , or Survey Description) L & 330' FWL		11 Country or Parish, State Eddy County, NM		
12. CHEC	K THE APPROPRIATE BOX	X(ES) TO INDICATE NATURE OF NO	TICE, REPORT OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF A	CTION		
✓ Notice of Intent ✓ Notice of Intent ✓ Acidize ✓ Alter Casing Casing Repair Change Plans Final Abandonment Notice ✓ Convert to Injection		Fracture Treat Re New Construction Ro Plug and Abandon To	oduction (Start/Resume) colamation complete comporarily Abandon water Shut-Off Well Integrity Other Revise Cementing Program Program		
the proposal is to deepen direction. Attach the Bond under which the violation of the involved	ally or recomplete horizontally work will be performed or proved operations. If the operation Abandonment Notices must be	y, give subsurface locations and measured vide the Bond No on file with BLM/BIA n results in a multiple completion or reco	date of any proposed work and approximate duration thereof and true vertical depths of all pertinent markers and zones. Required subsequent reports must be filed within 30 days impletion in a new interval, a Form 3160-4 must be filed once ng reclamation, have been completed and the operator has		
Devon Energy Production Co,. LP reprovided to the BLM by Mark Cooper			enting program to the following attached in the e-mail		
Approval granted by Dustin Winkler	June 4th, 2010; see attach	ned documentation.			
Supporting documentation and NOI	being provided to BLM.		ATTACHED FOR DITIONS OF APPROVAL		
14 I hereby certify that the foregoing is t Name (Printed/Typed)	rue and correct				
Stephanie A. Ysasaga	/	Title Sr. Staff Enginee	ring Technician		
/// ///	1				

Date 06/07/2010 THIS SPACE FOR FEDERAL OR STATE OFF Approved Title re attached Approval of this notice does not warrant or certify 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 JUN 7 2010 /\$/ Dustin Winkler 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 frictitious or fraudulent statements or representations as to any matter within its jurisdiction CARLSBAD FIELD OFFICE Ysasaga, Stephanie

From: Cooper, Mark

Sent: Friday, June 04, 2010 9:18 PM

To: dustin_winkler@blm.gov

Cc: wesley_ingram@blm.gov; Ysasaga, Stephanie; McGowen, Gregory

Subject: Dickens 29 Federal 1H

Attachments: Dickens 29 Federal 1H NOIChgDP.pdf

Dustin,

Devon Energy respectfully requests approval to revise the cementing program for the Dickens 29 Federal 1H as follows:

- -The drilling rig will move off of the location after running the 5-1/2" casing and setting the Peak Packer system in the lateral. Also, a packer & Port Collar will be set at approx 5,900 ft, above the KOP and above the productive intervals.
- -The 5K tubing head will be installed and tested, securing the well, before the drilling rig moves off location.
- -Approx 3-5 days after the drilling rig moves off location, a workover rig will cement the 5-1/2" production casing from 5,900 ft to surface (cement details described in NOI approved on 4/20/10). A 5M BOP will be installed and tested prior to cementing the 5-1/2" production casing
- -A sundry will be submitted ASAP on Monday (6/7/10).

For reference, I have attached the NOI that was approved on 4/20/10. Please call anytime if you have any questions.

Thank you.



Dickens 29 Federal 1H NOIChgDP...

Mark Cooper Drilling Engineer Western Division Permian Drilling 405-228-8264 (office) 405-613-7184 (cell) 405-513-6557 (home) mark.cooper@dvn.com

OPERATOR'S COPY

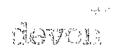
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UNITED STATES DEPARTMENT OF THE INTERIOR

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BUREAU OF LAND MANAGEMENT			T Case Schol No	5 Fease Sectial No NERVOLS 0856 6. If Didnin Allottec of Tribe Name			
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✓ Oil Well ☐ Gas W	/ell Other			8 Well Name and No Diskons 29 Federal 4 f			
2 Name of Operator Devon Energy Production Co , LP		The second same of the second	9 API Well No	30 046-37385			
3a - Address 20 North Bro. B Jey 015 J. OK. 74103	3b. Phane No. producte acta code) 10. Tackl and Pool of the section of the sectio			r Exploiator Paca Canyon, Walisarray			
5 Focation of Well <i>(Factage, Sec., T.,</i> 5 (C., 3) 170° 439, d. 750° FFL BHL 330° FS 5 (C.20° FFS) 128F	K ,M , or Survey Description t. 8. 330 Feet	11	H Country or Paris	li Stat Edy County, Niv			
12 CHEC	K THE APPROPRIATE BO	OX(ES) TO INDICATE NATUR	FOLKOTICL, KLEOR FOR OF	HERDA! A			
TYPLOF SUBMISSION	and the second s	17	PF OF ACTION	* A 222 * V			
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	/ THIS SPACE	FOR FEDERAL OR ST	TATE OFFICE USE				
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Publions of approval of any, are attached to the applicant holds light or equitable to outsit to applicant to conduct operations.	itle to those civilits in the subje	s not warrant or Galify		MWith 2 (200) - Av Chris Walls			

f to -18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 make it octain, for any person knowneds and willfully to male to any departure, of a fee firsted 90 to 100 and 1 To a load or fraudokal statements of representations of to any mater within as pursuation of the statement of page 2).



April 16, 2010

United States Department of The Inverior Cartsbad, New Mexico Re: Dickens 29 Fed 111 Sec 29-T165-R28E Eddy Courty, New Mexico APT # 30-015-37385

Devon Energy would like to make the rollowing changes or the approved dolling assign roll the above referred well.

- The 17-172' hole to be drifted to #600' (as per 81% CCA) and at sec 11: 376" 48% High Stratic casing. Cement to surface with 375 sacks 35:65 Pos. Class C yield 1.96 cm 75k and 250 sacks of Class C yield 1.34 aut 7sk.
- 2. The 12 M" hote to be disited co-2300, and set 9.578" 36h J-Yr LTQC casing, Centam continues with. Lead with 600 sk 35cb5 how Class C Yield 1,97 cf/sk and full with 500 sk Class C Yield 1,97 cf/sk.
- 3. This well will have a PLOT BOLE in the 7" and 4.85" count, described in direspondent of continuous only be ran if hole conditions determine and this will be considered as a continuous
- d. An 8 落" hole will be drilled from 2000 to the TWB ~ to 500
- 5 The current proposed production casing with being to? I MEBOLS THE CENTURY and an item in with a backer type commercian system with fived backers for isotalmas and contact and property in 105001.
- 6. A Port Collar (PC) will be placed in the EVT canal; as ROP (extro) permit contains a contain
- Once the county with the completion system is anothing with the range specification (\$500 c), and the \$500 cash be remarked from \$500 for all once. Can any volume with his following.
 Poz Class C with a yield of 1 96 cutous and 340 webs or that I make great or a set only.)
- Data for 5 ½" casing. -5000" or 17% INTO BLOCK notes 2000 or 19% (1991) (17) (320-17), and are scotlapse 2.93, 396 of 320 and Tensile 5.47.

Demon-Energy reserves the diginate change the subults of lighter that with a being in that a first in the discount of Cartsbad New Mexico BLM office within As hours on any about any accept

Regards Fat Brown Dritting Engineer Devon Energy V/escern Region USA Office: 405-238-8511

Ysasaga, Stephanie

From: Dustin_Winkler@blm.gov
Sent: Friday, June 04, 2010 10:45 PM

To: Cooper, Mark

Cc: McGowen, Gregory; Ysasaga, Stephanie; Wesley_Ingram@blm.gov;

Don_Peterson@blm.gov; Roy_Caffall@blm.gov; Richard_Carrasco@blm gov

Subject: Re: Dickens 29 Federal 1H

Attachments: Dickens 29 Fed 1H - Rig Move prior cement COA.docx



Dickens 29 Fed 1H -Rig Move p...

Mark,

Here are the COA for moving the drilling rig off location prior to cementing the production casing. Don't hesitate to call if you have any questions.

Thanks,

Dusty Winkler Petroleum Engineer Bureau of Land Management Carlsbad Field Office 575-234-5914

(See attached file: Dickens 29 Fed 1H - Rig Move prior cement COA.docx)

"Cooper, Mark" <Mark.Cooper@dvn.com>

06/04/2010 08:18

<dustin_winkler@blm.gov>

CC

To

PM <wesley_ingram@blm.gov>, "Ysasaga,

Stephanie"

<Stephanie.Ysasaga@dvn.com>,

"McGowen, Gregory"

<Gregory.McGowen@dvn.com>

Subject

Dickens 29 Federal 1H

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Thank you.

<<Dickens 29 Federal 1H_NOIChgDP.pdf>>

Mark Cooper

Drilling Engineer

Western Division Permian Drilling

405-228-8264 (office)

405-613-7184 (cell)

405-513-6557 (home)

mark.cooper@dvn.com

Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments from your system.

[attachment "Dickens 29 Federal 1H_NOIChgDP.pdf" deleted by Dustin H Winkler/CFO/NM/BLM/DOI]

CONDITIONS OF APPROVAL

OPERATOR'S NAME: Devon Energy Production Company, LP

LEASE NO.: | NM103873

WELL NAME & NO.: Dickens 29 Federal 1H SURFACE HOLE FOOTAGE: 170' FSL & 790' FEL

BOTTOM HOLE FOOTAGE 330' FSL & 330' FWL

LOCATION: Section 29, T. 16 S., R 28 E., NMPM

COUNTY: Eddy County, New Mexico

I. DRILLING

A. DRILLING OPERATIONS REQUIREMENTS

The BLM is to be notified a minimum of 4 hours in advance for a representative to witness:

- a. Spudding well
- b. Setting and/or Cementing of all casing strings
- c. BOPE tests

⊠ Eddy County

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822

- 1. Although there are no measured amounts of Hydrogen Sulfide reported, it is always a potential hazard. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.
- 2. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
- 3. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

4. The record of the drilling rate along with the CAL/GR/N well log run from TD to surface will be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies.

B. CASING

Changes to the approved APD casing and cement program require submitting a sundry and receiving approval prior to work. Failure to obtain approval prior to work will result in an Incident of Non-Compliance being issued.

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) time for a primary cement job will be a minimum 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compressive strength, whichever is greater for all casing strings. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. See individual casing strings for details regarding lead cement slurry requirements.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

High cave/karst.

Possible lost circulation in the Grayburg and San Andres formations. Possible high pressure gas bursts in the Wolfcamp.

- 1. The 13-3/8 inch surface casing shall be set at approximately 590 feet in the Seven Rivers formation and cemented to the surface. Fresh water mud is to be used to setting depth.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.

- d. If cement falls back, remedial action will be done prior to drilling out that string.
- 2. The minimum required fill of cement behind the 9-5/8 inch intermediate easing is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above.

 Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to high cave/karst. This casing is to be set above the Slaughter Zone of the San Andres formation.

Formation below the 9-5/8" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe and the mud weight for the bottom of the hole. Report results to BLM office.

Pilot hole plug is to have a plug at the bottom and must be 170' in length. Plug to be tagged prior to setting second plug. Report tag depth on subsequent report. Operator can set a single plug from the bottom of the hole to the kick-off point and avoid a tag.

- 3. The minimum required fill of cement behind the 5-1/2 inch production easing is:
 - Example 2015 Cement to surface. If cement does not circulate see B.1.a, c-d above. The placement of the ported collar may result in downhole commingling behind the casing and as a result is subject to like approval by State. The operator has provided documentation from offsetting wells that indicates that production does not exist in the portion of the hole that could have commingling issues and based on that data, the BLM is approving the set point for the ported collar.

Contingency casing program:

4.	The minimum	required fill of	cement	behind	the 7	inc	h second	intermediate	casing	is:
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\boxtimes	Cement to surface. If cement does not circulate see B.1.a, c-d above.
	Wait on cement (WOC) time for a primary cement job is to include the
	lead cement slurry due to high cave/karst.

Formation below the 7" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe and the mud weight for the bottom of the hole. Report results to BLM office.

5.	The minimum required fill of coment behind the $4-1/2$ inch production casing is:
	Cement not required – operator using Peak System Iso-pack liner.

6. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

C. PRESSURE CONTROL

- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
- 2. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 2000 (2M) psi.
 - a. For surface casing only: If the BOP/BOPE is to be tested against casing, the wait on cement (WOC) time for that casing is to be met (see WOC statement at start of easing section). Independent service company required.
- 3. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 9-5/8" intermediate easing shoe shall be 5000 (5M) psi. 5M system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
- 4. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. Casing cut-off and BOP installation will not be initiated until the cement has had a minimum of 8 hours setup time for a water basin. The casing shall remain stationary and under pressure for at least eight hours after the operator places the cement. In the potash area, the minimum time is 12 hours and the casing shall remain stationary and under pressure during this time period. Casing shall be under pressure if the operator uses some acceptable means of holding pressure or if the operator employs one or more float valves to hold the cement in place. Testing the BOP/BOPE against a plug can commence after meeting the above conditions plus the BOP installation time.
 - b. The tests shall be done by an independent service company utilizing a test plug.
 - c. The results of the test shall be reported to the appropriate BLM office.
 - d. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.

- e. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug.
- f. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.
- g. Effective November 1, 2008, no variances will be granted on reduced pressure tests on the surface casing and BOP/BOPE. Onshore Order 2 requirements will be in effect.

D. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the **Wolfcamp** formation, and shall be used until production easing is run and cemented.

E. DRILL STEM TEST

If drill stem tests are performed, Onshore Order 2.III.D shall be followed.

CRW 042010

Devon Energy Production Company, LP NM-54865— Dickens 29 Federal #1H API: 30-015-37385 Eddy County, New Mexico

RE: Rig down and move off prior to cementing – Conditions of Approval

- 1. Operator must verify that packer system has been set properly.
- 2. Tubing head must be tested to pressure, and documentation given to BLM
- 3. Pressure gauges with pop off valves set at 150psi shall be put on both 9-5/8"x5-1/2" annulus and 5-1/2" casing. The BLM (575-361-2822) is to be notified immediately if pressure is detected on by either gauge during the time period while the rig is being moved and the well service unit is installed.
- 4. Frac tank to be on location with bleed line from well leading to it if pop off valve does receive pressures greater than 150 psi.
- 5. Gauges to be checked at a minimum 12 hour interval.
- 6. Operator to notify BLM when drilling rig is removed and when well service unit is connected to the well.
- 7. If operator takes more than the maximum 5 days to move on a well service rig, an Incidence of Non-Compliance will be issued immediately.
- 8. No variance for BOP/BOPE testing BOP/BOPE to be tested per Onshore Order 2.
- 9. If cement does not circulate to surface on the 5 -1/2" casing, contact the BLM.
- 10. Subsequent sundry to be submitted detailing work completed and both annular and casing pressure readings.

DHW 060410

Devon Energy Production Company, LP NM-54865— Dickens 29 Federal #1H API: 30-015-37385 Eddy County, New Mexico

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- 8. No variance for BOP/BOPE testing BOP/BOPE to be tested per Onshore Order 2.
- 9. If cement does not circulate to surface on the 5 -1/2" casing, contact the BLM.
- 10. Subsequent sundry to be submitted detailing work completed and both annular and casing pressure readings.

DHW 060410