

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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.**

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other: INJECTION		5. Lease Serial No. NMNM86024
2. Name of Operator DEVON ENERGY CORPORATION		6. If Indian, Allottee or Tribe Name
Contact: TAMI SHIPLEY E-Mail: tami.laird@dnv.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102	3b. Phone No. (include area code) Ph: 405-228-2816	8. Well Name and No. COCHITI 28 FED 1
4. Location of Well (Footage, Sec., T. R., M., or Survey Description) Sec 28 T23S R29E		9. API Well No. 30-015-30113
		10. Field and Pool, or Exploratory SWD; BELL CANYON 96769
		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			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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.)

Please find attached summary of the recompleat procedure.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

DEC 04 2017

RECEIVED

BC 12-6-17  
Accepted for record - NMOCD

14. I hereby certify that the foregoing is true and correct. Electronic Submission #255721 verified by the BLM Well Information System For DEVON ENERGY CORPORATION, sent to the Carlsbad	
Name (Printed/Typed) TAMI SHIPLEY	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 08/04/2014
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.	Date
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 falsify, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	Office


ACCEPTED FOR RECORD

AUG 5 2014

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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

comply with attached  
written order



**COCHITI 28.FED.1**  
OH - Property #: 19596

**WEST UNRESTRICTED**  
WEST UNRESTRICTED

### Operation Summary (Ascending)

District <b>DELAWARE BASIN</b>		Project Group <b>DELAWARE BASIN REG</b>		Field Name <b>LAGUNA SALADO</b>		County <b>EDDY</b>		State/Province <b>NM</b>	
Surface Legal Location <b>SEC 28-23S-29E</b>		APN/RAI <b>3001530113</b>	Latitude (°) <b>32° 16' 39.513" N</b>	Longitude (°) <b>103° 59' 45.276" W</b>	Ground Elev <b>2 995.00</b>	R/E GL (ft) <b>-2 995.00</b>	Orig R/E Elev (ft) <b>0.00</b>	Tubing Head Elevation (ft) <b>0.00</b>	
Job: <b>RECOMPLETION - 2/25/2014 07:00</b>									
Job Category <b>RECOMPLETION</b>		Primary Job Type <b>COMPLETION</b>		Secondary Job Type <b>ADD PAY</b>		Status 1			
WBS Number <b>YY-100427 01.REC</b>		Job Start Date <b>2/25/2014 07:00</b>	Job End Date <b>3/18/2014 14:00</b>	Total WBS + Supplement (Cost) <b>\$144,000</b>		Total Field Estimate (Cost) <b>\$233,207</b>			
Objective <b>CLEAN OUT WELL BORE. ADD PERFS ACIDIZE TO INCREASE WATER INJECTION. RETURN WELL BACK TO INJECTION/SWD</b>									
Summary									
Contractor / Rig Name <b>KEY ENERGY</b>				Rig Number <b>491</b>		Rig Type <b>W/O/COMP/PU-ONSHORE</b>			

**Rpt# 1, <dtmstart> - <dtmend>**  

Daily Cost (Cost) <b>\$11,350</b>		Cum Field Est To Date (Cost) <b>\$11,350</b>		24 Hour Summary	
Start Time	End Time	Dur (hr)	Ops Status	Operation	Description
06:00	06:30	0.50	ACTIVE	SAFETY	TAILGATE MEETING. ENVIRONMENTAL KEEPING WATER OFF OF GROUND
06:30	12:30	6.00	ACTIVE	RIGU	RIG WAS DOWN FOR REPAIR UNTIL 11 AM. ROAD RIG TO LOCATION. RUWSU. SPOT IN SURFACE EQUIPMENT, WORK STRING. NDVH. NUBOP FUNCTION TEST RAMS. GOOD. PRESSURE TEST BOP TO 500 PSI FOR 30 MIN. GOOD. RU FLOOR & TONGS RELEASE PACKER CSG CAME AROUND HARD WATCH FOR 1 HR SEEMED TO BE GETTING STRONGER AND MAKING GAS DECIDED TO LET FLOW OVERNIGHT SINCE WE ARE SO SHALLOW AND 10 # BRINE MIGHT NOT HOLD IT. 8 PM SITP 275 PSI OPEN WELL UP FLOWBACK OVERNIGHT

**Rpt# 2, 2/25/2014 06:00 - 2/26/2014 06:00**  

Daily Cost (Cost) <b>\$8,550</b>		Cum Field Est To Date (Cost) <b>\$19,900</b>		24 Hour Summary	
Start Time	End Time	Dur (hr)	Ops Status	Operation	Description
06:00	06:30	0.50	ACTIVE	SAFETY	TAILGATE MEETING. LD PIPE WATCH FOR PINCH POINTS
06:30	12:30	6.00	ACTIVE	DPIPE	12-25 SITP & SICP 275 BLOWBACK WELL TILL 7 AM RECOVERED 395 BBLS STILL HAD 40 PSI. ROLL HOLE W/65 BBLS 10 # BRINE. AGAIN RIG WAS BROKE DOWN UNTIL 11 AM. FUNCTION TEST PIPE RAMS. GOOD. TOOH LD 106 JTS 2 7/8 IPC & 5 1/2 PACKER TBG LOOKS GOOD. TALLY W/S PU 4 3/4 BIT & 5 1/2 SCRAPPER START PU 2 7/8 TBG. PU A TOTAL OF 121 JTS TAG @ 3817 TOC 3823 CIRCULATE 85 BBLS NO SOLIDS IN RETURNS. TOOH W/10 STANDS GET ABOVE PERFS SWI  NOTE: RECORDER INDICATED PACKER WAS SET @ 2990. WE TALLIED PIPE OUT AND PACKER WAS SET @ 3385'

**Rpt# 3, 2/26/2014 06:00 - 2/27/2014 06:00**  

Daily Cost (Cost) <b>\$10,450</b>		Cum Field Est To Date (Cost) <b>\$30,350</b>		24 Hour Summary	
Start Time	End Time	Dur (hr)	Ops Status	Operation	Description
06:00	06:30	0.50	ACTIVE	SAFETY	TAILGATE MEETING. MAKE SURE LINES ARE SECURE WHILE TESTING
06:30	14:00	7.50	ACTIVE	TRIP	SITP & SICP 400 PSI, BLEED WELL DOWN. FUNCTION TEST PIPE RAMS. GOOD. TOOH W/101 JTS LD BIT & SCRAPPER. PU 5 1/2 AS1 PACKER TIH W/118 JTS SET PACKER @ 3751 TOC 3823 PRESSURE TEST CIBP TO 1000 PSI FOR 15 MIN. GOOD TEST. RELEASE PACKER TOOH W/118 JTS LD PACKER SWI. CASD HOIF WAS STILL. BUILDING GUNS

**Rpt# 4, 2/27/2014 06:00 - 2/28/2014 06:00**  

Daily Cost (Cost) <b>\$62,850</b>		Cum Field Est To Date (Cost) <b>\$93,200</b>		24 Hour Summary	
Start Time	End Time	Dur (hr)	Ops Status	Operation	Description
06:00	06:30	0.50	ACTIVE	SAFETY	TAILGATE MEETING, TURN OFF PHONES AND RADIOS WHILE PERFORATING
06:30	06:30	0.00	ACTIVE	PERF	SICP 380, BLEED DOWN WELL. FUNCTION TEST PIPE & BLIND RAMS. RU CASD HOLE. SAFETY MEETING PU GUNS MADE TOTAL OF 20 RUNS PERF @ 3260-3380 6 SPF 60" PHASING TOTAL OF 720 HOLES. 42 3420-3500 6 SPF 60" PHASING TOTAL OF 480 HOLES. 42 3540-3560 6 SPF 60" PHASING TOTAL OF 120 HOLES. 42 3565-3660 6 SPF 60" PHASING TOTAL OF 570 HOLES. 42 3675-3715 6 SPF 60" PHASING TOTAL OF 240 HOLES. 42 3780-3810 6 SPF 60" PHASING TOTAL OF 180 HOLES. 42 RD W/L. PU 5 1/2 AS1 PACKER TIH W/102 JTS 2 7/8 SET PACKER @ 3238 TEST CSG TO 500. GOOD. SWI

**Rpt# 5, 2/28/2014 06:00 - 3/1/2014 06:00**  

Daily Cost (Cost) <b>\$33,430</b>		Cum Field Est To Date (Cost) <b>\$126,630</b>		24 Hour Summary	
Start Time	End Time	Dur (hr)	Ops Status	Operation	Description
06:00	06:30	0.50	ACTIVE	SAFETY	TAILGATE MEETING. STAY AWAY FROM LINES WHILE PUMPING ACID

**Rpt# 6, 3/3/2014 06:00 - 3/4/2014 06:00**  

Daily Cost (Cost) <b>\$33,430</b>		Cum Field Est To Date (Cost) <b>\$126,630</b>		24 Hour Summary	
Start Time	End Time	Dur (hr)	Ops Status	Operation	Description
06:00	06:30	0.50	ACTIVE	SAFETY	TAILGATE MEETING. STAY AWAY FROM LINES WHILE PUMPING ACID

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Report Printed: 8/4/2014

## Operation Summary (Ascending)

District	DELAWARE BASIN	Project Group	DELAWARE BASIN REG	Field Name	LAGUNA SALADO	County	EDDY	State/Province	NM
Surface Legal Location	SEC 28-23S-29E	APALW	3001530113	Latitude (°)	32° 16' 39.513" N	Longitude (°)	103° 59' 45.276" W	Ground Elev.	2,995.00
								AS - GL (ft)	-2,995.00
								Orig KB Elev (ft)	0.00
								7' Long Hsco Elevation (ft)	0.00

Start Time	End Time	Dur (hr)	Ops Status	Operation	Description	NPT
06:30	16:30	10:00	ACTIVE	STIM	SITP 400 PSI BOP WAS LOCKED FOR ACID JOB. RU ELITE. SAFETY MEETING. TEST LINES TO 6500. GOOD. PUMP 20 BBLs F/W 4 BPM @ 1500 PSI WENT TO ACID PUMPED 119 BBLs 15% HCL @ 6.1 BPM @ 1800 PSI. 5 BBLs 200 # ROCK SALT GELLED PLUG. STAGE 2 PUMP 33.6 BBLs HCL WHEN PLUG 1 HIT FORMATION THERE WAS DIVERSION AT ALL I DECIDED TO GO TO FLUSH AND MAKE SURE SALT VOLUMES WERE CORRECT. TALKED W/ENGINEER AND HE SAID THEY WERE RIGHT BUT INCREASE TO 500 # THEN INCREASE AS NEED TO GET THE DIVERSION DESIRED. ORDERED 10,000 # OF SALT WAITING FOR IT TO ARRIVE. SALT ARRIVED @ 2 PM. SITP 600 PUMP 7 BBLs @ 7.3 BPM TO ESTABLISH RATE PUMP 500# SALT BLOCK. PUMP 48.4 BBLs 15 % HCL 7.0 BPM @ 1950. PUMP 500 # SALT BLOCK. PUMP 48 BBLs HCL 6.7 BPM @ 1965. PUMP 500 # SALT BLOCK. 48.2 BBLs HCL @ 7.3 BPM @ 2020. PUMP 500 # SALT BLOCK. PUMP 52 BBLs HCL @ 5.6 BPM @ 1560 FLUSH WITH 32 BBLs 7.6 BPM @ 1965 ISIP 991 5 MIN 944, 10 MIN 920, 15 MIN 907 SWI. AVERAGE DIVERSION ON REMAINING STAGE WERE 525 PSI. TLTR 507 BBLs.	

## Rpt# 7, 3/4/2014 06:00 - 3/5/2014 06:00

Daily Cost (Cost)		\$13,800		Cum Field Est To Date (Cost)	\$140,430	24-Hour Summary	FLOWBACK WELL
Start Time	End Time	Dur (hr)	Ops Status	Operation	Description	NPT	
06:00	06:30	0.50	ACTIVE	SAFETY	TAILGATE MEETING, STAY UP WIND WHILE FLOWING BACK WELL		
06:30	06:30		ACTIVE	FLWTST	SITP 600. OPEN UP WELL START FLOWING BACK 898 BBLs. 4 PM STILL FLOWING THROUGH 2" @ 40 PSI SENT RIG CREW HOME BROUGHT OUT FLOWBACK HAND FOR THE NIGHT		

## Rpt# 8, 3/5/2014 06:00 - 3/6/2014 06:00

Daily Cost (Cost)			\$47,492		Cum Field Est To Date (Cost)	\$187,922		24-Hour Summary		FLOWED BACK OVER NIGHT	
Start Time	End Time	Dur (hr)	Ops Status	Operation	Description					NPT	
06:00	06:30	0.50	ACTIVE	SAFETY	TAILGATE MEETING, WORKING IN HIGH WINDS						
06:30	06:00	23.50	ACTIVE	DPIPE	OVER NIGHT FLOWED BACK 512 BBLs FBP 20 PSI. SPOT IN 3 1/2 TBG. LOAD OLD TBG SENT IN FOR INSPECTION. WIND WAS BLOWING TO HARD TO START WAIT UNTIL 11 AM 11 AM STILL BLOWING HARD SENT CREW HOME CONT FLOWING BACK OVERNIGHT. 4 PM FLOWED BACK 340 BBLs TBG 14 PSI						

## Rpt# 9, 3/6/2014 06:00 - 3/7/2014 06:00

Daily Cost (Cost)		\$28,900		Cum Field Est To Date (Cost)		\$216,822		24-Hour Summary		KILL WELL TOOH LD W/S & PACKER. PU ASI PACKER. PU 3 1/2 TBG	
Start Time	End Time	Dur (hr)	Ops Status	Operation	Description					NPT	
06:00	06:30	0.50	ACTIVE	SAFETY	TAILGATE MEETING, OVERHEAD LOADS WHILE PU TBG						
06:30	19:30	13.00	ACTIVE	DPIPE	FLOWED BACK 390 BBLs OVERNIGHT @ 10 PSI. RELEASE PACKER PUMP 78 BBLs 10 # BRINE HOLDING 100 PSI BACK PRESSURE. WELL DEAD. TOOH LD 102 JTS 2 7/8. CHANGE PIPE RAMS. PU 5 1/2 ASI PACKER. (PACKER DETAIL IN WELL VIEW). T2 ON/OFF TOOL. START PU 3 1/2 TBG TESTING IN HOLE TO 2000 PSI. PU TOTAL OF 95 JTS 3 1/2 IJ IPC TBG. XO, 2 7/8 SUB SET PACKER @ 3233 JAY OFF PACKER CIRCULATE 80 BBLs PACKER FLUID JAY BACK ON LAND TBG. NDBOP. NUWH. HOOK UP CHART RECORDER PERFORM MOCK MIT 500 PSI FOR 30 MIN. 100% TEST SHUT DOWN FOR DAY						

## Rpt# 10, 3/7/2014 06:00 - 3/8/2014 06:00

Daily Cost (Cost)		\$7,650		Cum Field Est To Date (Cost)		\$224,472		24-Hour Summary		ATTEND SAFETY STAND DOWN. ARRIVED @ RIG RDWSU MOVE	
Start Time	End Time	Dur (hr)	Ops Status	Operation	Description					NPT	
06:00	10:00	4 00	ACTIVE	SAFETY	ATTEND SAFETY STAND DOWN IN ARTESIA. TRAVEL TO RIG SAFETY MEETING. MAKING SURE ALL PUMP LINES ARE HOBBLED.						
10:00	14:00	4 00			PUMP OUT PLUG @ 4000 PSI. ESTABLISH INJECTION RATE 2 BPM @ 600 PSI FOR 10 MIN SW/L RD SURFACE EQUIPMENT. RDWSU MOVE OFF. CALLED BLM TO SCHEDULE MIT WAITING ON CALL BACK						

## Rpt# 11, 3/17/2014 06:00 - 3/18/2014 06:00

Daily Cost (Cost)		Cum Field Est To Date (Cost)		24-Hour Summary		
\$4,218		\$228,690		SITP 420 FLOWBACK OVER NIGHT PREP FOR MIT		
Start Time	End Time	Dur (hr)	Ops Status	Operation	Description	NPT
06:00	00:00	18:00	ACTIVE	FLWTST	SITP 420 PSI, CSG 0. SET UP FLOWBACK CREW FOR 8 PM. RU FLOWBACK FLOWBACK WELL OVERNIGHT PREP FOR MIT W/OCD ON TUESDAY AT 1 PM FLOWED BACK 425 BBLs OVERNIGHT CSG 40 PSI	

## Rpt# 12, 3/18/2014 06:00 - 3/19/2014 06:00

Daily Cost (Cost)		\$4,516		Cum Field Est To Date (Cost)		\$233,207		24-Hour Summary		CONT FLOWBACK UNTIL 1 PM. RU KILL TRUCK MIT WELL	
Start Time	End Time	Dur (hr)	Ops Status	Operation	Description						NPT
06:00	14:00	8:00	ACTIVE	FLWTST	5 AM CSG 40 PSI CONT FLOWBACK UNTIL OCD ARRIVES. FLOWED BACK 392 BBLs RD FLOWBACK. RU KILL TRUCK AND CHART RECORDER TEST CSG TO 500 PSI FOR 30 MIN. GOOD TEST. RICHARD INGE WITH OCD ON LOCATION TO WITNESS. FINAL REPORT TURN OVER TO PRODUCTION						

## **Order of the Authorized Office**

**Devon Energy Corporation  
Cochiti - 01  
API 3001530113, T23S-R29E, Sec 28  
August 05, 2014**

### **Well with a Packer – Operations**

- 1) **Enclose a site security diagram for the water disposal facility upstream of this well. Document the lease name and the lease number of the source(s) of production water disposed to that facility with the diagram.**
- 2) Conduct a Mechanical Integrity Test of the tubing/casing annulus after a tubing, packer or casing seal is established.
- 3) The minimum test pressure should be 500 psig for 30 minutes or 300 psig for 60 minutes, with a minimum 200 psig differential between tubing and casing pressure (at test time) but no more than 70% of casing burst pressure as described by Onshore Order 2.III.B.1.h. (The tubing or reservoir pressure may need to be reduced). **Verify all annular casing vents are plumbed to surface and those valves open to the surface during this pressure test.** An alternate method for a BLM approved MIT is to have the fluid filled system open to atmospheric pressure and have a loss of less than five barrels in 30 days witnessed by a BLM authorized officer.
- 4) Document the pressure test on a one hour full rotation calibrated recorder chart registering within 25 to 85 per cent of its full range. Greater than 10% pressure leakoff will be viewed as a failed MIT. Less than 10% pressure leakoff will be evaluated site specifically and may restrict injection approval.
- 5) Notify BLM 575-200-7902 , if there is no response, 575-361-2822 the day before to request a BLM witnessed MIT.
- 6) Submit a subsequent Sundry Form 3160-5 relating the MIT activity. Include a copy of the recorded MIT pressure chart. List the name of the BLM witness, or the notified person and date of notification. NMOCD is to retain the original recorded MIT chart.
- 7) Use of tubing internal protection, tubing on/off equipment just above the packer, a profile nipple, and an in line tubing check valve below the packer or between the on/off tool and packer is a “Best Management Practice”. The setting depths and descriptions of each are to be included in the subsequent sundry. List (by date) descriptions of daily activity of any previously unreported wellbore workover.
- 8) **Submit the original subsequent sundry with three copies to BLM Carlsbad.**
- 9) Compliance with the NMOCD Administrative Order is required.

- 10) When injection pressure is within 50 psig of the maximum pressure, install automation equipment that will prevent exceeding that maximum. Submit a subsequent report (Sundry Form 3160-5) describing the installed automation equipment within 30 days.
- 11) Unexplained significant variations of rate or pressure to be reported within 5 days of notice.
- 12) Maintain the annulus full of packer fluid at atmospheric pressure. Installation of equipment that will display continuous open to the air packer fluid level above the casing vent is required for this disposal well.**
- 13) Notify the BLM's authorized officer ("Paul R. Swartz" <[pswartz@blm.gov](mailto:pswartz@blm.gov)>, cell phone 575-200-7902) to arrange for approval of the annular monitoring system.**
- 14) Loss of packer fluid above five barrels per month indicates a developing problem. Notify BLM Carlsbad Field Office, Petroleum Engineering within 5 days.
- 15) A suggested format for monthly records documenting that the casing annulus is fluid filled is available from the BLM Carlsbad Field Office.
- 16) Gain of annular fluid pressure requires BLM notification within 24 hours. Cease injection and maintain a production casing pressure of Opsia.

Access information for use of Form 3160-5 "Sundry Notices and Reports on Wells"

NM Fed Regs & Forms - [http://www.blm.gov/nm/st/en/prog/energy/oil\\_and\\_gas.html](http://www.blm.gov/nm/st/en/prog/energy/oil_and_gas.html)

§ 43 CFR 3162.3-2 Subsequent Well Operations.

§ 43 CFR 3160.0-9 (c)(1) Information collection.

§ 3162.4-1 (c) Well records and reports.