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 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
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 1000 Rio Brazos Rd., Aztec, NM 87410
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 1220 S. St. Francis Dr., Santa Fe, NM
 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-41649
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY, LP		6. State Oil & Gas Lease No.
3. Address of Operator 333 W SHERIDAN AVE OKLAHOMA CITY, OK 73102		7. Lease Name or Unit Agreement Name COTTON DRAW UNIT SWD
4. Well Location Unit Letter <u>H</u> : <u>1568</u> feet from the <u>NORTH</u> line and <u>1189</u> feet from the <u>EAST</u> line Section <u>36</u> Township <u>24S</u> Range <u>31E</u> NMPM County <u>EDDY</u>		8. Well Number 181
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3511		9. OGRID Number 6137
		10. Pool name or Wildcat SWD;DEVONIAN

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input checked="" type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>		Notify OCD 24 hrs. prior to any work done	
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

NOI for Repair:

The CDU 181 SWD, which is one of three SWD's that supports Devon produced water disposal in the Cotton Draw area, failed its 5-year MIT on 8/26/22. Pressure diagnostic testing at the surface appeared to indicate a leak between the 9-5/8" production casing and 13-3/8" intermediate casing. Devon plans to mobilize a workover rig on or about 10/19/22 in order to pull the injection string, pressure test the 7" liner top and 9-5/8" production casing to isolate the failure interval and determine loss rate, and run casing inspection logs in order to propose a repair plan. The well has been shut in since the failed MIT on 8/26/22.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Chelsey Green TITLE REGULATORY PROFESSIONAL DATE 10.18.2022

Type or print name CHELSEY GREEN E-mail address: chelsey.green@dvn.com PHONE: 405-228-8595

For State Use Only

APPROVED BY: [Signature] TITLE Staff Manager DATE 10/18/22

Conditions of Approval (if any):



CDU 181 SWD – Casing Repair Procedure

10/13/2022

Well Name: CDU 181 SWD**Location:** 1,568' FNL & 1,189' FEL Sec 36-T24S-R31E**Cost Center:** 1092668201**Originator:** J. Inscore**Well Directions:** Lat, 32.176861; Long, -103.726831**SIMOPS:** No**Well Class:** Workover, Class 3**BOP:** Double Ram**Barrier:** 9.3 ppg fluid**Kill Method:** Top off with 10 ppg brine**Unique Risks:** Pressure communication between 9-5/8" and 13-3/8" casings

Current Well Status: Shut in. Failed MIT on 8/26/22 when pressuring up on 9-5/8" production casing valve for annular pressure test, and water flowed from the open 13-3/8" intermediate casing valve. Pressure diagnostics performed on 9/26 confirming full circulation between 9-5/8" casing valve and 13-3/8" casing valve, 1.5 bpm @ 6 psi. **SITP = 226 psi, SICP = 16 psi as of 10/13/22.**

Objective: Kill well. Pull current 4-1/2" JFE Bear tubing with Duoline fiberglass liner and anchor latch seal assembly while inspecting condition (originally installed 11/2016). Run bit/scrapper in 9-5/8" casing down to 7" liner top. Run bit/scrapper approx. 50' into 7" liner and flush. Run tandem RBP/packer and pressure test across 7" liner top to confirm integrity. Attempt to isolate leak up hole in 9-5/8" and determine loss rate.

API: 30-015-41649**County:** Eddy, NM**WBS:** MM-153774.01.WWO**Reviewed:****Critical Well:** No**MASP:** <300 psi during rig ops**H2S:** Possible, ppm unknown**Well Kill:** n/a**KWF:** 10 ppg fluid **LCM:** n/a**WELLBORE DATA****CDU 181 SWD - KBEL: 3,533.9'; GL: 3,511.3'**

Size	Weight	Grade	Connection	Interval	Collapse	Burst	Drift	Capacity
9-5/8"	47	P-110	LTC	0' – 11,316'	5,300	9,440	8.525	0.0732 BPF
7"	32	P-110	LTC	11,316' – 16,750'	10,760	12,460	5.969	0.0361 BPF
Work String								
2-7/8"	7.9	P-110	PH-6	0' - 17,000'	16,082	16,896	2.229	0.0052 BPF

CONTACT LIST

Service	Company	Point of Contact	Phone	Email
Wellhead Rep	TechnipFMC	Dispatch	337-330-6165	-
Packer Rep (pull seal assembly)	Weatherford	Presi Gonzalez	432-238-9222	presi.gonzalez@weatherford.com
Casing Crew	Frank's International	Jose Rivera	405-694-5651	jose.rivera@franksintl.com
Fiberglass Tubing Transportation	B&L Pipeco	Leo Romo	832-815-7788	leo.romo@blpipeco.com

PROCEDURE

SAFETY: Follow all H2S safety precautions, Devon safety requirements, and always wear proper PPE. Report any variance or change of well condition to PIC immediately. Refer to latest Cased Hole Well Control Manual (August 1, 2019) and follow guidance applicable to this operation.



CDU 181 SWD – Casing Repair Procedure

10/13/2022

WELL PREP

- 1) MIRU workover rig and all related equipment.
- 2) Record SITP and SICP.
- 3) Top tubing off with 10-20 bbl of 10# brine to kill.
- 4) Install BPV in tubing hanger.
- 5) ND injection tree.
- 6) NU 7-1/16" 10K BOPE.
- 7) Retrieve BPV.
- 8) Function test 10K BOPE.

PULL OLD INJECTION STRING

- 9) MIRU casing crew.
- 10) Will need 4-1/2" 11.60# P110 BTC or stronger lift sub to pull hanger.
- 11) Back out latch style seal assembly from packer per Weatherford tool supervisor's recommendation (estimated string weight of 220K lbs). It's possible string weight is 235K lbs if tubing + fiberglass liner = 16.20 lb/ft. Tubing was previously landed with 27K lbs compression. Fluid may U-tube.
- 12) LD and inspect all the following injection tubing assembly currently in hole:
 - Tubing hanger (**send to FMC for inspection/redress**)
 - 4-1/2" JFE Bear Box x 4-1/2" JFE Bear pin Inconel 718 XO
 - 1 joint 4-1/2" 15.10# JFE Bear Duoline FG lined tubing
 - 4', 10', and 6' pup 4-1/2" 15.10# JFE Bear Duoline FG lined tubing
 - 426 joints 4-1/2" 15.10# JFE Bear Duoline FG lined tubing (**send to Washita Valley Carlsbad for cleaning/inspection**)
 - 4-1/2" Weatherford latch style seal assembly (**send to Weatherford for inspection/redress**)

RUN BITS AND SCRAPERS

- 13) Drift and tally 2-7/8" 7.90# P-110 PH-6 workstring.

**CDU 181 SWD – Casing Repair Procedure**

10/13/2022

- 14) TIH with 8-1/2" tricone bit and 9-5/8" casing scraper on 2-7/8" PH-6 tubing to 7" liner top @ 11,316' (lightly tag to confirm tubing measure depth).
- 15) TOH SB 2-7/8" PH-6 tubing in derrick and LD casing scraper and tricone bit.
- 16) TIH with 6" tricone bit and 7" casing scraper on 2-7/8" PH-6 tubing and scrape approx. 50' into 7" liner @ 11,366'.
- 17) TOH SB SB 2-7/8" PH-6 tubing in derrick and LD casing scraper and tricone bit.
- 18) Flush casing to ensure intermediate and liner top are clean.

PRESSURE TEST LINER TOP

- 19) TIH with tandem 7" RBP/test packer on 2-7/8" PH-6 tubing and set approx. 30' into 7" liner @ 11,346'.
- 20) Set 7" RBP and dump sand on top.
- 21) Pull up hole 5'-10' and set 7" test packer.
- 22) Load tubing and bleed off any air in the system.
- 23) Pressure test down tubing against RBP to 1,000 psi for 5 min to confirm set and record in WellView. Bleed off pressure.
- 24) Unset test packer, TOH SB 2-7/8" PH-6 tubing, and LD 7" test packer.
- 25) TIH with 9-5/8" test packer on 2-7/8" PH-6 tubing and set approx. 10' above 7" liner top @ 11,306'.
- 26) Set 9-5/8" test packer.
- 27) Load tubing and bleed off any air in the system.
- 28) Pressure test down tubing across 7" liner top to 1,000 psi for 10 min to confirm integrity and record in WellView. Bleed off pressure.

ISOLATE CASING LEAK

- 29) Unset 9-5/8" test packer and continue testing up hole to isolate casing leak.
- 30) Once located, ensure to record failure interval and loss rate to determine repair method.
- 31) Consider **discussing with Engineering** the potential of running a casing inspection log on WL for further casing analysis.

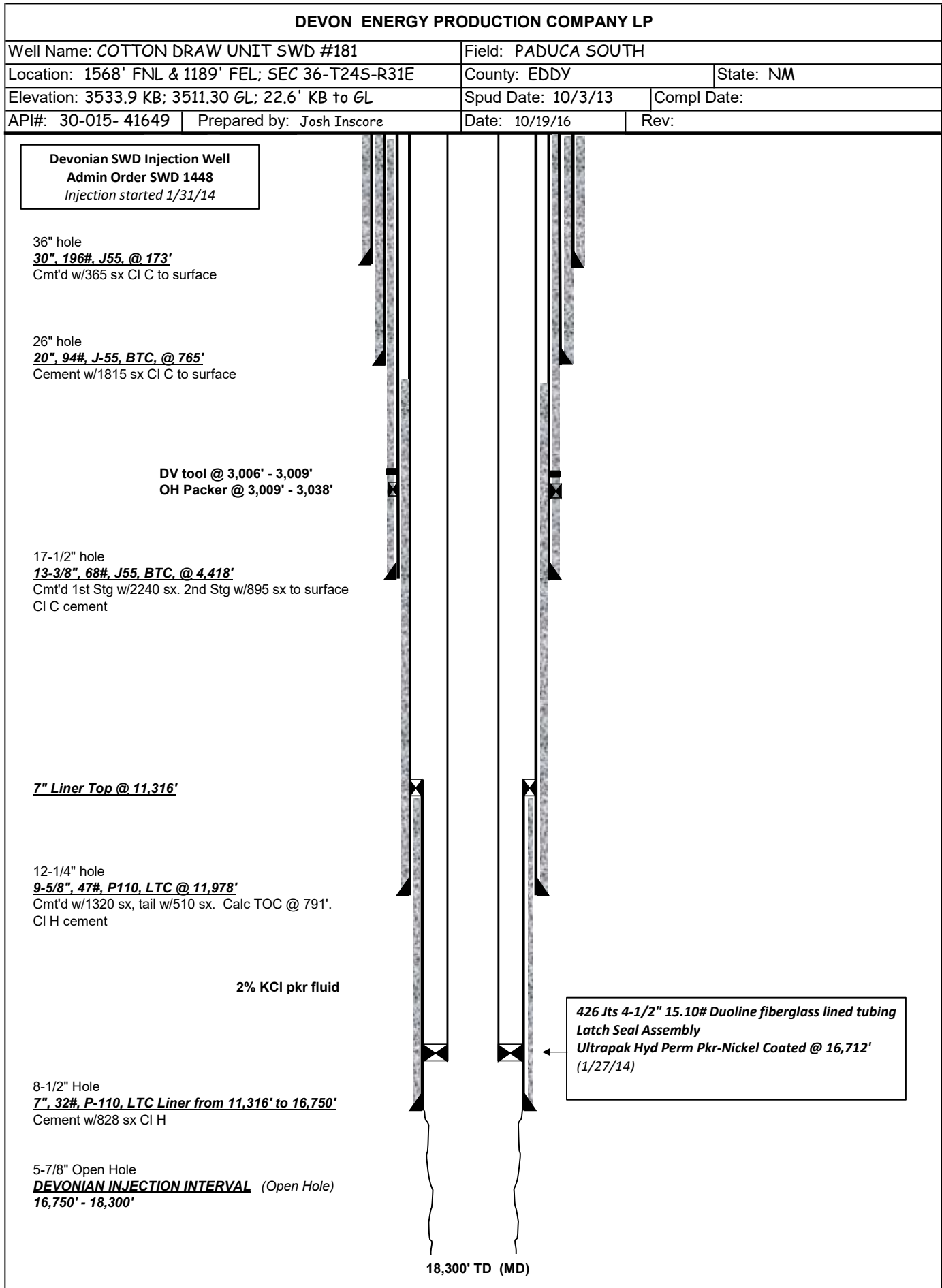


CDU 181 SWD – Casing Repair Procedure

10/13/2022

WELLHEAD CONFIGURATION





District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
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CONDITIONS

Action 151563

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 151563
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
gcordero	Must submit remedial plan for approval prior to making any repairs.	10/18/2022