

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
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. 30-015-41783
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input checked="" 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 West. Sheridan Avenue Oklahoma City, OK 73102-5015 405-552-7970		7. Lease Name or Unit Agreement Name Hackberry 16 SWD
4. Well Location Unit Letter <u>M</u> : <u>330</u> feet from the <u>South</u> line and <u>280</u> feet from the <u>West</u> line Section <u>16</u> Township <u>19S</u> Range <u>31E</u> NMPM County <u>Eddy</u>		8. Well Number 1
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3466.2' GL		9. OGRID Number 6137
		10. Pool name or Wildcat SWD; DEV-FUS-MON-SIMP-ELL

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: MIT Post Workover - RECORD CLEAN-UP ☒

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.

Devon respectfully submits the attached January workover procedures for the subject well. The MIT was performed post an injection string upgrade.

Attachment: Workover Procedures

NM OIL CONSERVATION
ARTESIA DISTRICT

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

SIGNATURE Erin Workman TITLE: Regulatory Analyst DATE 10/29/2019

Type or print name: Erin Workman E-mail address: Erin.workman@dvn.com PHONE: 405-552-7970

For State Use Only

APPROVED BY: [Signature] TITLE Compliance Officer DATE 11-6-19
Conditions of Approval (if any):



Hackberry 16 SWD 1 – Workover

10/28/2019

WELL NAME: Hackberry 16 SWD 1

API: 30-015-41783

WELLBORE DATA

**Tubing & packer data available in Wellbore Schematic on last page of procedure*

Hackberry 16-1 - KB: 3,491.2'; GL: 3,466.2'; KB: 25'

Size	Weight	Grade	Interval	Collapse	Burst	Drift	Capacity
13-3/8"	61	J-55	0-2,535'	-	-	-	-
9-5/8"	40	HCK-55	0-4,900'	-	-	-	-
7"	26	HCP-110	0-13,348'	7,800	9,950	6.151"	0.03826

IMPORTANT NOTES

- 1) This well injects through open hole into Devonian formation.
- 2) NMOCD tubing pressure limit is **2,679 psi** at surface.
- 3) NMOCD regulation states that the packer may be set no shallower than 13,248'.

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PROCEDURE

SAFETY: All personnel will wear hard hats, safety glasses with side shields, steel toed boots, H₂S monitor and fire retardant clothing while on location. Any personnel arriving on location after the pre-job safety meeting will check in with the Devon PIC and review hazards before proceeding. All personnel have the obligation and full authority to stop the job if any action may be perceived as harmful to people or the environment.

PRE-JOB

- 1) Check well head for flange/sizing abnormalities – communicate to PIC.
- 2) Ensure tank water level adequate to kick on pumps post-job.
- 3) Hold PJSM.
- 4) Record SITP & SICP.
- 5) MIRU blow down tank & safety equipment (if necessary).
- 6) Blow down pressure/fluid until well dies, 500 bbls are flowed back, or 24 hours have passed.

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MIRU WSU, TOH INJECTION STRING, & TIH PACKER

- 1) Hold PJSM.
- 2) Record SITP & SICP.
- 3) Install and/or test anchors. MIRU WSU & reverse unit, necessary flow back iron/equipment, flare stack, necessary safety equipment & rental equipment.
- 4) Blow down/kill well if necessary.
- 5) ND tree.
- 6) NU 7-1/16" 10K BOPE with annular, tbg rams, blind rams.
- 7) PTEST BOPE according to Devon protocol.
- 8) Spot LD machine & piperacks.
- 9) Release PCKR & TOH laying down 4-1/2" L-80 lined injection tbg, On/Off tool, & PCKR.
- 10) MU 7" x 3-1/2" test PCKR & T2 On/Off tool, PU 2-7/8" work string, RIH & set PCKR @ 13,248'.
- 11) Release On/Off tool, circulate backside full, latch On/Off tool.
- 12) Shut-in backside & establish max allowable injection rate with reverse unit – pump at least 206 bbls (pull produced water from facility tanks if necessary). Monitor backside pressure during injection. Shut down pumps and monitor backside pressure.

TOH & RIH w/ INJECTION STRING

- 1) Release test PCKR, racking back 2-7/8" work string, lay down test PCKR.
- 2) MU injection BHA:
 - 7" x 3-1/2" Arrowset AS1-X 10K Injection Packer (internal Ni coated)
 - 7" x 3-1/2" On/Off Tool w/ HSN Rubber
 - 3-1/2" T2 Stinger w/ X-Profile (2.81" ID)
 - 3-1/2" x 2-7/8" XO
 - FIH x 2-7/8" work string
- 3) RIH w/ work string to 13,248'. Set PCKR @ 13,248'.
- 4) Release On/Off tool & TOH laying down 2-7/8" work string.
- 5) MIRU tubing testers.
- 6) MU injection string:
 - 3-1/2" T2 Stinger w/ X-Profile (2.81" ID)
 - XN-Nipple 2.81" Profile (internal Ni coated)
 - 3-1/2" x 4-1/2" XO Ni
 - FIH x 4-1/2" P-110 coated injection tbg
- 7) RIH w/ 4-1/2" coated injection string to top of On/Off tool. Hydro-test tbg below slips to 3,000 psi.
- 8) Load & CIRC hole with 250 bbls PCKR fluid. Latch PCKR @ 13,248'. Use 10# Nadine Brine if necessary. Be sure to maintain CIRC rate below max provided by packer hand to prevent fluid cutting packer elements.

Per NMOCD, packer must be set within 100' of injection zone (Csg Shoe @ 13,348'). Move packer set depth deeper or shallower to avoid previous packer slip set points **while staying below 13,248'.*
- 9) Perform MIT. Pressure test 4-1/2" annulus to 500 psi for 30 min. If pressure drops more than 10% (50 psi) in 30 min, unseat packer & TIH 10'. Set packer & perform MIT. Notify DVN office of test results, including pressure reading at end of 30 min test. WOO if tests fail.
- 10) Space out & retrieve tbg plug.
- 11) RDMO WSU & related equipment.

PERFORM OFFICIAL MIT W/ REGULATORY REPRESENTATIVES

- 1) Notify & set up NMOCD & BLM for official MIT with chart recorder. Once MIT is approved & NMOCD OK's injection, initiate disposal into Devonian. **Do not exceed max pressure of 2,679 psi per NMOCD.**



Hackberry 16 SWD 1 – Workover

10/28/2019

**Any future slickline tools will require a smooth surface to prevent tbg coating damage.*

***Per NMOCD, any unseating of injection packer will require an additional witnessed MIT prior to commencing injection.*

2) TOTP - Resume Injection.

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Hackberry 16 SWD 1 - Workover

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WELLBORE SCHEMATIC

