

Revised July 18, 2013

State of New Mexico Energy, Minerals and Natural Resources

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

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

WELL API NO. 30-015-21418 5. Indicate Type of Lease STATE [ ] FEE [x] 6. State Oil & Gas Lease No. 7. Lease Name or Unit Agreement Name Higgins Cahoon Com 8. Well Number 1 9. OGRID Number 151416 10. Pool name or Wildcat Atoka, Penn 11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3291' GR

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.) 1. Type of Well: Oil Well [ ] Gas Well [x] Other 2. Name of Operator Fasken Oil and Ranch, Ltd. 3. Address of Operator 6101 Holiday Hill Road, Midland, TX 79707 4. Well Location Unit Letter O : 990 feet from the South line and 1650 feet from the East line Section 2 Township 18S Range 26E NMPM County Eddy 11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3291' GR

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: Shut In Notice [ ] SUBSEQUENT REPORT OF: REMEDIAL WORK [ ] ALTERING CASING [ ] COMMENCE DRILLING OPNS. [ ] P AND A [x] CASING/CEMENT JOB [ ] OTHER: [ ]

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.

Fasken Oil and Ranch, Ltd. plugged and abandoned this well. See attached work done from 1/20-2/1/21.

Approved for plugging of well bore only. Liability under bond is retained pending receipt of C-103 (Subsequent Report of Well Plugging) which may be found at OCD Web Page under Forms, www.emnrd.state.nm.us

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 Addison Guelker TITLE Regulatory Analyst DATE 2/1/21

Type or print name Addison Guelker E-mail address: addisong@forl.com PHONE: 432-687-1777 For State Use Only

APPROVED BY: [ ] TITLE Staff Manager DATE 2/5/2021 Conditions of Approval (if any):

## Higgins Cahoon #1 – Plug and Abandon

1/20/21

Contacted OCD (Gilbert Cordero) with intent to start moving in plugging equipment. RUPU (BCM Rig No. 5). Contractor delivered and set catwalk and pipe racks. Gang transferred 10 jts of 2-3/8" EUE 8rd L80 tubing from Durham Shell Fed #1. Started moving in plugging equipment. Bled down tubing pressure, dry gas. Unseat pump on first pull w/ good vacuum. POW and LD 10- 3/4" D78 rods, SWI and SDON.

1/21/21

Bled down tubing pressure. Removed PR and stuffing box. Rod tongs broke down. POW w/ rods and pump while used rod wrenches. POW and LD 243 3/4" D78 steel rods w/ FHSM cplgs, 3/4" x 3' stabilizer rod w/ guided rods, no-tap tool and RHBC pump w/ 6" strainer. BCM crew moved cement pump and plugging equipment to location. Bled down casing pressure into BCM gas buster. Rig crew dug out cellar around well head and located surface casing valve. NDWH, released TAC and NU manual BOP. POW while tallied 30 jts 2-3/8" EUE 8rd N80 tubing to derrick. Shut in tubing and left casing open to flowline and SDON.

1/22/21

Bled down casing pressure. POW w/ 242 jts 2-3/8" EUE 8rd N80 tubing, model "B" TAC, 9 jts 2-3/8" EUE 8rd N80 tubing, 2-3/8" SN, and 2-3/8" x 4' perf sub. Found tubing OD and TAC with no scale. Notified ODC representative Gilbert Cordero at 9:33 MST of intent to set CIBP at 8577' and received permission. RU Hydrostatic tubing testers and RIW w/ CIBP, hydraulic setting tool, 2-3/8" drain nipple, 2-3/8" x 4' perforated sub and 270 jts from derrick while hydrotesting tubing above the slips to 6000 psi w/ no failures found. PU 10' tubing sub and moved down and tagged plug at 8577'. Mixed and pumped 25 sx Class "C" cement (5.21 bbls slurry) @2 bpm w/ 500 psi followed by 5 bfw spacer and 28 bbls mud laden bw and displaced to 8360'. POW w/ 20 jts to derrick. Contractor hauled 100 bbw to location. Shut in tubing and Closed BOP and SDON.

1/25/21

RIW w/ 43 jts and tagged TOC at 8176' w/ desired depth of 8360'. Notified Gilbert Cordero w/ OCD via voicemail and waited on approval. Mixed and displaced well w/ 120 bbls 9.5 ppg mud laden brine w/ 40 second funnel viscosity, pumped @3 BMR at 300 psi, returns consisted of dark water. Shut in tubing and pressured casing to 500 psi for 10 minutes w/ no pressure loss and bled down pressure. POW w/ 263 jts and LD 2-3/8" x 4' perf sub, 2-3/8" drain nipple, 2-3/8" x 5-1/2" setting tool. Contractor delivered 100 bbw to location and took 72 bpw to public disposal.

1/26/21

Spoke to Gilbert Cordero w/ OCD at 7:00 AM MST and received approval to continue w/ plugging operations. RIW w/ 2-3/8" x 5-1/2" AD-1 packer w/ 175 jts and set packer w/ 13 pts tension at 5556'. RIW w/ strip gun and perforated 4 holes into 5.5 15.5# casing at 6000' FS at 9:43 AM MST and POW w/ WL. RU BCM cement pump, and mixed and displaced well w/ 11 bbls 9.5 ppg mud laden brine w/ 40 second funnel viscosity and pumped @ 1 BMR at 1300 psi for injection rate. Mixed and pumped 45 sx Class "C" cement 14.8 ppg / 1.32 yield ft<sup>3</sup>/sx at 1 bpm rate w/ 1400 psi and flushed w/ 5 bfw spacer and 21.5 bbls mud laden brine and squeezed perms from 6000' to 5774' at 11:00 AM. WOC hrs. RIW w/ tubing and tagged TOC at 5750' w/ required tag depth of 5774'. Called BLM at 3:07 PM MST and reported tag depth (5750') to Gilbert Cordero and received approval to proceed w/ plugging operations. POW and LD 40 jts and set AD-1 packer at 4286'. RIW w/ strip gun and perforated 4 holes into 5.5 15.5# casing at 4700' FS at 3:43 PM MST. POW w/ WL. RU BCM cement pump, mixed and displaced well w/ 11 bbls 9.5 ppg mud laden brine w/ 40 second funnel viscosity and pumped @1 BMR at 1300 psi for injection rate. Mixed and pumped 45 sx Class "C" cement 14.8 ppg/1.32 yield ft<sup>3</sup>/sx at 1 bpm rate at 1300 psi, flushed w/ 5 bfw spacer and 16 bbls mud laden brine and squeezed perms from 4700' to 4475' at 4:00 PM MST. Shut in tubing and casing and SDON.

1/27/21

RIW w/ 6 jts and tagged TOC at 4466' w/ required tag depth of 4475'. Called BLM at 7:00 AM MST and reported tag depth (4466') to Gilbert Cordero and received approval to proceed with job. POW and LD 72 jts and set AD-1 packer at 2127'. RIW w/ strip gun and perforated 4 holes into 5.5 15.5# casing at 2519' FS at 9:00 PM MST. POW w/ WL. RU BCM cement pump, mixed and pumped 10 bbls 9.5 ppg mud laden brine w/ 40 second funnel viscosity and pumped @ 1.5 BMR at 600 psi for injection rate. Mixed and pumped 45 sx Class "C" cement 14.8 ppg / 1.32 yield ft<sup>3</sup>/sx at 1.5 bpm rate at 600 psi and flushed w/ 5 bfw spacer and 8 bbls mud laden brine w/ circulation throughout job w/ returns of dirty water. Squeezed perfs from 2519' to 2335' at 9:50 AM MST and WOC 4 hrs. RIW w/ tubing and tagged TOC at 2330' w/ required tag depth of 2335'. Called OCD at 2:15 PM MST and reported tag depth (2330') to Gilbert Cordero and received approval to proceed with plugging operations. POW and LD tubing and set AD-1 packer at 1555'. RIW w/ strip gun and perforated 4 holes into 5.5 15.5# casing at 1954' FS at 2:50 PM MST and POW w/ WL. RU BCM cement pump, mixed and pumped 10 bbls 9.5 ppg mud laden brine w/ 40 second funnel viscosity and pumped @1.5 BMR at 200 psi for injection rate. Mixed and pumped 45 sx Class "C" cement 14.8 ppg/1.32 yield ft<sup>3</sup>/sx at 1.5 bpm rate at 200 psi and flushed w/ 5 bfw spacer and 6 bbls of mud laden brine w/ circulation out 8-5/8" throughout job w/ returns of dirty water. Squeezed perfs from 1954' to 1700' at 3:00 PM MST.

1/28/21

SICP-0 psi, SITP-0 psi. RIW w/ 6 jts and tagged TOC at 1746' w/ required tag depth of 1770'. Called BLM at 7:30 AM MST, reported tag depth (1746') to Gilbert Cordero and received approval to proceed with job. POW and LD tubing and set AD-1 packer at 952'. RIW w/ strip gun and perforated 4 holes into 5.5 15.5# casing at 1342' FS. POW w/ WL. RU BCM cement pump, mixed and pumped 6 bbls 9.5 ppg mud laden brine w/ 40 second funnel viscosity and pumped @1.5 BMR at 500 psi for injection rate. Mixed and pumped 45 sx Class "C" cement 14.8 ppg / 1.32 yield ft<sup>3</sup>/sx at 1.5 bpm rate at 500 psi, flushed w/ 5 bfw spacer and 3.5 bbls mud laden brine. Had circulation out 8-5/8" throughout job w/ returns of dirty water. Squeezed perfs from 1342' to 1159' and WOC 4 hrs. RIW w/ tubing and tagged TOC at 1150' w/ required tag depth of 1159'. Called OCD at 2:28 PM MST, reported tag depth (1150') to Gilbert Cordero and received approval to proceed with job. POW and LD tubing w/ 5-1/2" AD-1 packer. Gilbert Cordero approved co mingle of last 2 plugs. RIW w/ strip gun and perforated 4 holes into 5.5 15.5# casing at 450' FS. POW w/ WL. When perforated 5-1/2" 15.5 and 8-5/8" 24# casing, noticed fluid coming out from 13-3/8" 48# on surface. RU BCM cement pump, mixed and displaced well w/ 8 bbls 9.5 ppg mud laden brine and circulated out 13-3/8" casing. BCM expected cement to surface from the 13-3/8" to surface and did not have required cement to achieve cement to surface. Called OCD rep Gilbert Cordero and informed us to resume w/ procedure and do not commingle last 2 plugs also said to move plug #7 perfs to 100' instead of 60'. RIW w/ AD-1 packer, 4 jts tubing and set packer at 126' FS. Mixed and circulated 26 sx Class "C" 14.8 ppg/ 1.32 yield ft<sup>3</sup>/sx at 1.5 bpm rate at 200 psi, flushed w/ 1 bfw spacer and 4.5 bbls mud laden brine w/ circulation throughout job w/ returns of dirty water. Squeezed perfs from 450' to 345' at 3:59 PM MST. SWI and SDON.

1/29/21

RIW w/ tubing and tagged TOC at 320' w/ required tag depth of 345'. Called BLM at 7:12 AM MST, reported tag depth (320') to Gilbert Cordero and received approval to proceed with job. POW and LD tubing and AD-1 packer. RIW w/ strip gun and perforated 4 holes into 5.5 15.5# casing at 100' FS at 8:10 AM MST. POW and RDWL. RD manual BOP and NU capping flange. RU BCM cement pump, mixed and displaced well w/ 11 bbls 9.5 ppg mud laden brine w/ 40 second funnel viscosity and pumped @ 2.5 BMR at 300 psi, returns consisted of clear water. Mixed and circulated 70 sx Class "C" 14.8 ppg/1.32 yield ft<sup>3</sup>/sx w/ good 14.8# cement out returns of 8-5/8" and 13-3/8" surface casing. RD pump and backfilled casing w/ 1 barrel of cement. Washed up lines and hoses and RDPU. Contractor emptied and cleaned half frac and hauled 120 bpw to disposal. WELL PLUGGED AND ABANDONED and plan to cut off WH on 2/1/21.

2/1/21

Found cement to surface. BCM tech removed capping flange and found cement to surface. Contacted OCD Gilbert Cordero and approved cutoff. Backhoe and welder arrived on location at 2 PM. Backhoe dug around wellhead cellar, dug up and pulled anchors and cut casing off with cutting torch. Welded plate onto casing w/ well info. Installed 1" 2000 psi valve on top of plate, closed valve and removed handle. Filled bottle w/ grease and placed

over valve. Backhoe backfilled hole and covered casing and installed 4' marker jt and cleaned location. WELL PLUGGED AND ABANDONED. FINAL REPORT.

**District I**  
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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 16622

**CONDITIONS OF APPROVAL**

Operator: FASKEN OIL & RANCH LTD Road Midland, TX79707	6101 Holiday Hill	OGRID: 151416	Action Number: 16622	Action Type: C-103P
OCD Reviewer gcordero		Condition None		