Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103
May 27, 2004

| | |
|---|---|
| WELL API NO. | 30-015-20546 |
| 5. Indicate Type of Lease | STATE ☐ FEE ☒ |
| 6. State Oil & Gas Lease No. | |
| 7. Lease Name or Unit Agreement Name | Arco "9" Morrison |
| 8. Well Number | 1 |
| 9. OGRID Number | 151416 |
| 10. Pool name or Wildcat | Boyd (Morrow) & Boyd (Cisco) |

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 ☒ Other

2. Name of Operator
Fasken Oil and Ranch, Ltd.

3. Address of Operator
303 West Wall, Suite 1800 Midland, TX 79701

4. Well Location
Unit Letter B : 660 feet from the North line and 1980 feet from the East line
Section 9 Township 19S Range 25E NMPM County Eddy

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3527'

**Pit or Below-grade Tank Application ☒ or Closure ☐**

**Pit type** P&A **Depth to Groundwater** 260' **Distance from nearest fresh water well** 1200' **Distance from nearest surface water** unknown

**Pit Liner Thickness:** 12 **mil** **Below-Grade Tank: Volume** 250 **bbls; Construction Material**

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

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☒ | REMEDIAL WORK | ☐ | ALTERING CASING | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ | COMMENCE DRILLING OPNS. | ☐ | P AND A | ☐ |
| PULL OR ALTER CASING | ☐ | MULTIPLE COMPL | ☐ | CASING/CEMENT JOB | ☐ | | |
| OTHER: | ☐ | | | 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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Fasken Oil and Ranch, Ltd. proposes to plug and abandon the Arco "9" Morrison No. 1. Please see the attached procedures and schematics.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.**

SIGNATURE [signature] TITLE Regulatory Affairs Coor. DATE 11/7/06

Type or print name E-mail address: Telephone No.

**For State Use Only**

APPROVED BY: [signature] TITLE [illegible] DATE 11/17/06

Conditions of Approval (if any):

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Workover Procedure
Arco "9" Morrison No. 1
Boyd (Morrow), Boyd (Cisco) Fields
AFE 1208

**Objective:** Plug and abandon.
**API:** 30-015-20546
Location: 1980' FEL, 660' FNL, Sec. 9, T-19-S, R-25-E, Eddy Co., NM
KB: 16' above GL
Spud: 12-10-71
TD: 9250'
PBTD: 9054' (BP @ 9063' w/2 cuft cmt on top)
13-3/8" 48#/ft @ 484' w/400 sx, circ to surf.
8-5/8" 24 #/ft @ 1171' w/600 sx, circ to surf.
4-1/2": 13.5# (8936'-7729'), 11.6# (7729'-5883'), 10.5# (5883'-2668'), 11.6# (2668'-surf) @ 9249' w/700sx. See attached tally summary sheet. TOC 6210' by temp on original cmt job. TOC 1700' after 5/72 casing leak sqz.
Packer: Otis Perma-lach @ 8832' W/TOSSD w/ "N" profile, ID?, Otis XO sliding sleeve (ID probably 1.875") one joint above TOSSD.
Perfs: Morrow 8970'-8994' w/4 JSPF, 9012'-9032' w/4JSPF. Frac w/10,000 gal + 18,000# 20-40 sd. Below PBTD: 9086'-9108' w/4JSPF. Frac 9086'-9108' w/5400 gal+ 6000# 20-40 sd. Cisco 7138'-7200' 1 JSPF. Acidize 6000 gal 20% retarded HCL

Casing Leak: 5-20-72 sqz hole in 4-1/2" 3840'-3871' w/300sx Howco-Lite and 200sx "C" with good returns up 4-1/2"x8-5/8" annulus. TOC behind 4-1/2" 1700' by temp survey. Had tite spot 2210' with 4-1/2" RTTS pkr for 11.6# csg, got thru with 13.5# element.

Tubing & BHA: Packer @ 8832', TOSSD, 31.52' 1 jt 2-3/8" EUE 8rd N-80, Otis XO sliding sleeve, 1569.84' 50 jts 2-3/8" EUE 8rd N-80, 12' (4 subs) 2-3/8" EUE 8rd N-80, 79.66' 4 Otis blast joints (flush joints requiring safety clamp), 7127.88' 227 jts 2-3/8" EUE 8rd N-80 tbg.

1. A decision will be made if going to use steel pit or get permit to dig and line working pit. **DO NOT DIG WORKOVER PIT WITHOUT PERMISSION FROM MIDLAND OFFICE AND PERMIT FILED.** If a steel pit is used make sure to have plenty of sugar on hand to put in cement to keep from setting up in pit. Should have at least 30 pounds on location.
2. Need to locate +/-45 4-1/2" pin end thread protectors for casing.
3. Notify OCD 72 hours prior to starting work of intent to proceed with plugging job.
4. Set rig mats and 2 sets pipe racks, receive 6 additional joints of 2-3/8" EUE 8rd N-80 tubing.
5. RUPU and plugging equipment, dig earth work pit, line and fence.
6. Blow down tubing, tubing/casing annulus and 8-5/8"x4-1/2" annulus.
7. RUPU. Kill well with 35 bbls brine down tubing and 90 bbls brine down tubing/casing annulus.
8. ND x-mas tree and install BOP.
9. Release Otis Perma-Lach packer and POW with tubing and packer. Packer and tubing have not been pulled since original installation in 1972. Well record indicated tubing is set with 8 points of compression. Lay down tools, blast joints and subs.
10. Rig up wireline company. Run 3.75" gauge ring to 8680' (within 50' of top perf 8683'). Run 4-1/2" 13.50#/ft CIBP and set at 8940' (must be within 50' of top Morrow perf at 8970'). Spot 3 sx Class "H" cmt (16.4#/ft, 4.3 gal water/sk) on CIBP for 35' cap. PBTD 8905'.
11. RIW with 4' perf sub and 2-3/8" tubing. Tag PBTD at +/- 8,905' FS. Pump 30 bbls mud laden brine water up to next plug at +/-7100' FS.
12. POW and LD +/-1800' tubing and stand remainder of tubing in derrick.

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13. Rig up wireline company. Run 4-1/2" 11.60#/ft CIBP and set at 7100' (must be within 50' of top Cisco perf at 7132'). Spot 3 sx Class "H" cmt (16.4#/ft, 4.3 gal water/sk) on CIBP for 35' cap. PBTD 7065'.
14. RIW with 4' perf sub and 2-3/8" tubing. Tag PBTD at +/- 7065' FS. Circulate well with mud laden brine water up to next plug at +/-4100'.
15. POW and LD +/-2950' tubing and stand remainder of tubing in derrick.
16. RU pump truck and mix and spot 25 sx Class "H" cement from 4100' to 3800' FS.
17. POW with EOT at +/- 3700' FS and circulate well with mud laden brine up to next plug at +/- 1700'
18. POW with tubing standing back total of 1900' laying down remainder. Dope pin end of tubing and install thread protectors before laying down.
19. Open 8-5/8" casing valve and pump 100 barrels fresh water into casing or until casing loads.
20. ND BOP and ND "B" section on wellhead. Remove packing and plates on 4-1/2" casing.
21. Weld 4-1/2" lift sub on top of 4-1/2" casing stub. Make sure to strap casing on at least 3 sides.
22. Pick up on casing to remove slips. (If unable to get casing out of slips get casing jacks.)
23. Work casing and attempt to get movement in casing.
24. Obtain casing stretch measurement. .
25. If pipe has enough movement, RUWL and RIW with jet cutter. Jet cut 4-1/2" casing at +/- 1700'. If needed use wireline to run free point. Cut casing where it has at least 70-80% free pipe movement.
26. Attempt to work pipe free and if needed pump fresh water down 4-1/2" casing.
27. Notify Midland office with results.
28. If able to work casing free install BOP with 4-1/2" pipe rams and blind rams.
29. POW and LD casing while installing pin end thread protectors on casing. Strap casing on racks.
30. NU "B" section of wellhead and install 7-1/16" BOP with 2-3/8" pipe rams and blind rams.
31. RIW 2-3/8" mule shoe sub and enough 2-3/8" tubing to go 50' into top of 4-1/2" casing stub +/-1700'?.
32. RU cement pump truck. Mix and pump 30 sx Class "C" cement. Displace cement to EOT and POW with tubing.
33. SD 2-3 hours to WOC.
34. RIW and tag top of cement and make sure cement top is at least 50' above top of 4-1/2" casing stub inside of open hole.
35. After approval is given RU pump truck and circulate well with mud laden.
36. POW with tubing to put EOT at +/- 1250' FS.
37. RU pump truck and mix and spot 65 sx Class "C" cement from 1250' to +/-1050' FS. TAC.
38. POW with EOT at 550' FS.
39. RU pump truck, mix and spot 50 sx Class "C" cement from +/- 550' to 350'.
40. POW and LD all but 1 joint tubing.
41. ND BOP and ND "B" section of wellhead.
42. RIW with one joint tubing into well and fill up casing with class "C" cement. 60'- Surface
43. RDPU and clean location. Empty pit and cut off rig anchors. Release all rental equipment.
44. Cut off casing below all wellheads.
45. Weld plate onto casing with marker joint with the following information. Fasken Oil & Ranch Ltd., Arco "9" Morrison No. 1, Section 9, T19S, R25E, 660' FNL and 1980' FWL, Unit B. API #

P/A marker 4" x 4'

46. Midland office will file for pit closure permit. After permit for pit closure is received close pit as per OCD requirements.
47. Clean location and remediate per OCD requirements.

Cwb/Cgt

(Arco9Morrison1 AFE1208 P&A pro.doc)

**Current**

Well: **Arco "9" Morrison No. 1**

as of 5-32-72

Operator: **Fasken Oil and Ranch, Ltd.**

GL: 3527'

Location: 660' FNL and 1980' FEL
Sec 9, T19S, R25E
Eddy County, NM

KB: 3543'

Compl.: 1-25-72 released rig

API #: 30-015-20546

TD: 9250'

PBTD: 9054' RBP w/2cuft cmt

Casing: 13-3/8" 48# H-40 @ 484'
w/400sx Howco-Lite+100sx Incor neat
TOC surface, circ 68 sx

8-5/8" 24# J-55 @ 1171'
w/400sx Howco-Lite+200sx "C" w/CaCl2
TOC surf, circ 13 bbls cmt

4-1/2" 10.5&11.6# N-80&J-55 @ 9249'
175sx H mod+690sx H mod tail

TOC: TOC 6210' by Temp
4-1/2" 11.6# N-80: Surf-2668'
4-1/2" 10.5# J-55: 2668'-5883'
4-1/2" 11.6# J-55: 5883'-7729'
4-1/2" 11.6# N-80: 7729'-9249'

Tubing: Installed 5-32-72

| | | |
|---|---|---|
| Otis perma lach pkr | 5.12 | @8832' |
| Otis TOSSD | 1.15 | |
| 1 jt 2-3/8" EUE 8rd 4.7# N80 | 31.52 | |
| Otis XO Sliding Sleeve clsd | 2.96 | Wlfcmp 5712' |
| 50 jt 2-3/8" EUE 8rd 4.7# N8( | 1569.84 | |
| 4sbs- 2-3/8" EUE 8rd 4.7# N8 | 12.00 | |
| 4 Otis blast joints | 79.66 | |
| 227jt 2-3/8" EUE 8rd 4.7# N8 | 7127.88 | Penn 6800' |
| | 8830.13 | |

Perfs: Cisco
7132'-7200' (63h)

Morrow
8970'-8994' (96h)
9012'-9032' (80h)

RBP 9073' w/2 cuft cmt, PBTD 9054'
9087'-9108' (80h)

Hole Sizes 17-1/2" 484'
12-1/4" 1171'
7-7/8" 9250'

Surf rock and gravel to 505'

Grayburg 505'

San And 904'

Glorieta 2077'

Delaware 2935'

Bone Spring 3572'

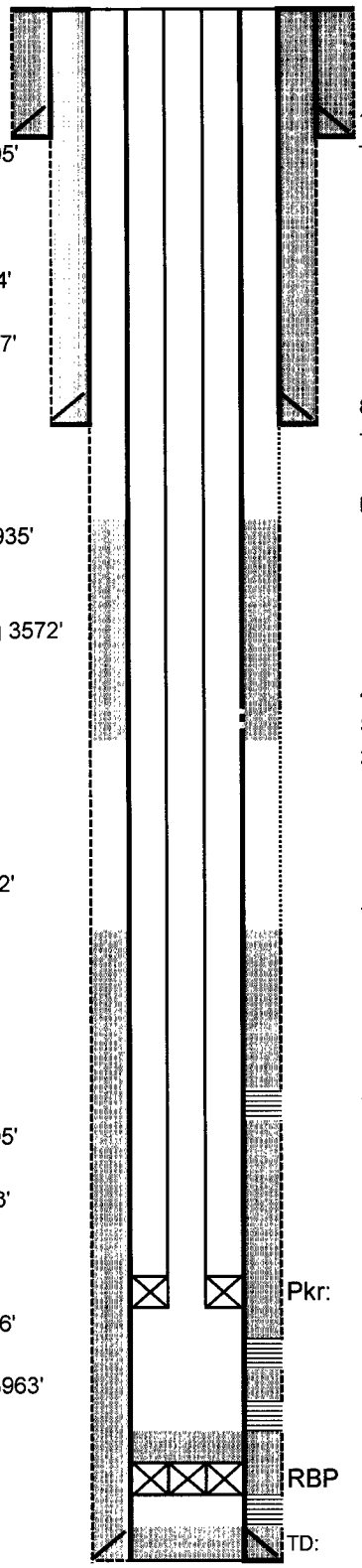
Canyon 7605'

Strawn 7963'

Atoka 8804'

Morrow 8856'

Morrow Cl 8963'



13-3/8" 48# H-40 @ 484'
TOC surface, circ 68 sx

8-5/8" 24# J-55 @ 1171'
TOC surf, circ 13 bbls cmt

Remedial TOC 1700'

May1972
4-1/2" csg lk 3840'-71',
Sqzd w/300sx Howco-Lite+
200sx "C" w/bradenhead rtrns

TOC 6210' by Temp

7132'-7200' (63h)

Pkr: @8832'

8970'-8994' (96h)

9012'-9032' (80h)

RBP 9073' w/2 cuft cmt, PBTD 9054'
9087'-9108' (80h)

TD: 9250'
4-1/2" 10.5&11.6# N-80&J-55 @ 9249'

dak
11/7/2006
Arco9Morrison1 wb diag curr.xls

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Well: **Arco "9" Morrison No. 1**
Operator: **Fasken Oil and Ranch, Ltd.**
Location: 660' FNL and 1980' FEL
Sec 9, T19S, R25E
Eddy County, NM
Compl.: 1-25-72 released rig
API #: 30-015-20546

TD: 9250'
PBTD: 9054' RBP w/2cuft cmt
Casing: 13-3/8" 48# H-40 @ 484'
w/400sx Howco-Lite+100sx Incor neat
TOC surface, circ 68 sx
8-5/8" 24# J-55 @ 1171'
w/400sx Howco-Lite+200sx "C" w/CaCl2
TOC surf, circ 13 bbls cmt
4-1/2" 10.5&11.6# N-80&J-55 @ 9249'
175sx H mod+690sx H mod tail
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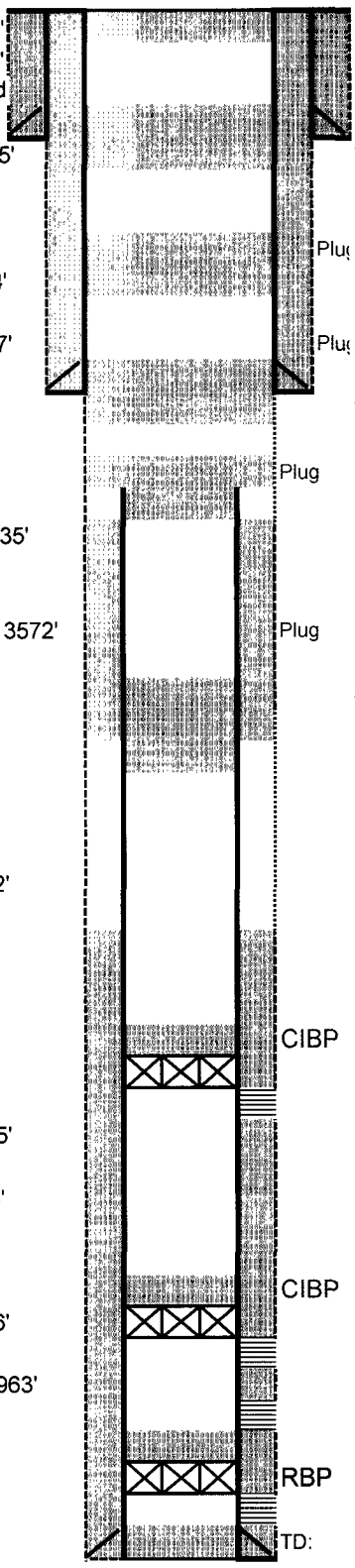
Perfs: Cisco
7132'-7200' (63h)

Morrow
8970'-8994' (96h)
9012'-9032' (80h)

RBP 9073' w/2 cuft cmt, PBTD 9054'
9087'-9108' (80h)

Hole Sizes 17-1/2" 484'
12-1/4" 1171'
7-7/8" 9250'




**Proposed**

Plug 10 sx 0'-~~80~~ 60'
Plug 50 sx "C" 270'-475' TAG.
13-3/8" 48# H-40 @ 484'
TOC surface, circ 68 sx

Plug 50sx "C" 350'-550'

Plug 65sx "C" 1050'-1250' TAG.
8-5/8" 24# J-55 @ 1171'
TOC surf, circ 13 bbls cmt

Plug 30sx "C" 1650'-1750' Stub, tagged TAG.
4-1/2" csg cut +/-1700'
Remedial TOC 1700'

Plug 25sx "C" 3800'-4100'
May1972
4-1/2" csg lk 3840'-71',
Sqzd w/300sx Howco-Lite+
200sx "C" w/bradenhead rtrns

TOC 6210' by Temp

CIBP 7100' w/35' cement on top

7132'-7200' (63h)

CIBP 8940' w/35' cement on top

8970'-8994' (96h)

9012'-9032' (80h)

RBP 9073' w/2 cuft cmt, PBTD 9054'
9087'-9108' (80h)

TD: 9250'
4-1/2" 10.5&11.6# N-80&J-55 @ 9249'

dak
11/7/2006
Arco9Morrison1 wb diag proposed.xls