State of New Mexico

Form C-101 Revised July 18, 2013

Energy Minerals and Natural Resources

Oil Conservation Division

HOBBS OCD

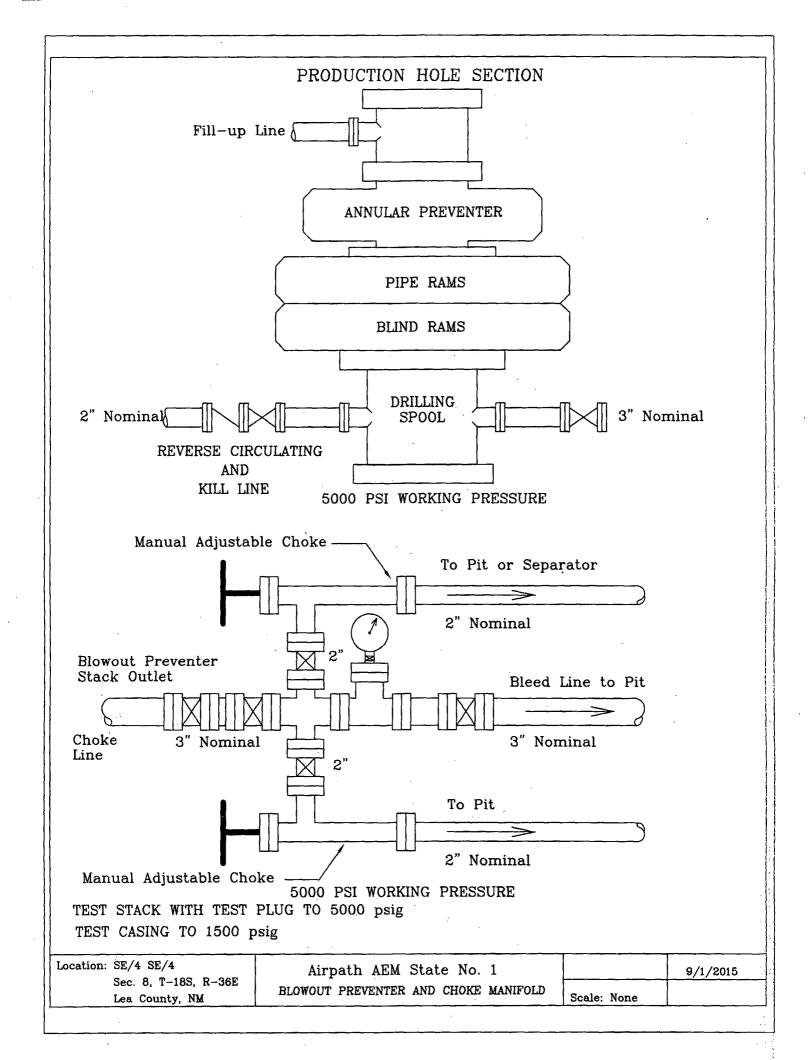
□ AMENDED REPORT

1220 South St. Francis Dr.

SEP 0 2 2015

rancis Dr., Santa Fe, NM 87505 476-3460 Fax: (505) 476-3462

| Company Content Cont | Phone: (505) 476-3 | | | OR PERMIT | TO | | E-ENTER, | | N, PLUGBAĈ | k, or | ADD A ZONE | | |
|--|--------------------|--|---------------|---------------------------|-------------|---------------------|-------------------------|----------------|--------------|-----------------------|---------------------------------------|--|--|
| Type Feet Property Code | | | | | | | | | Harry | OGRID Nu | mber | | |
| Toolbos, NM 88241 30-025-29865 Property Code Airpath AEM State No. 1 0011 | | | Lyı | nx Petroleum Co | nsulta | ents, Inc. | | | | | | | |
| Property Code Airpath AEM State No. 1 7 Surface Location U.L. Lot Section Township Range Lot Ma Feet from NS Loc Feet From E-W Line County P 8 18S 36E Proposed Bottom Hole Location U.L. Lot Section Township Range Lot Ma Feet from NS Loc Feet From E-W Line County Proposed Bottom Hole Location U.L. Lot Section Township Range Lot Ma Feet from NS Loc Feet From E-W Line County Pool Information ### Devonition U.L. Lot Section Township Range Lot Ma Feet from NS Loc Feet From E-W Line County U.L. Lot Section Township Range Lot Ma Feet from NS Loc Feet From E-W Line County U.L. Lot Section Township Range Lot Ma Feet from NS Loc Feet From E-W Line County U.L. Lot Section Township Range Lot Ma Feet from NS Loc Feet From E-W Line County U.L. Lot Section Township Range Lot Ma Feet from NS Loc Feet From E-W Line County U.L. Lot Section Township Range Lot Ma Feet from NS Loc Feet From E-W Line County U.L. Lot Section Township Range Lot Ma Feet from NS Loc Feet From E-W Line County U.L. Lot Section Township Range Lot Ma Feet from NS Loc Feet From E-W Line County U.L. Lot Section Township Range Lot Ma Feet from NS Loc Feet From E-W Line County U.L. Lot Section Township Range Lot Ma Feet from NS Loc Feet From E-W Line County U.L. Lot Section Township Range Loc Feet from NS Loc Feet From E-W Loc Feet from E-W Loc Feet from NS Loc Feet from E-W Loc Feet from NS Loc Feet from E-W Loc Feet from NS Loc Feet from E-W Loc Feet from E-W Loc Feet from NS Loc Feet from NS Loc Feet from E-W Loc Feet from NS Loc Feet | | | | Hobbs, NM | 8824 | 1 | | | | | · · · · · · · · · · · · · · · · · · · | | |
| Aurpath AEM State No. 1 Control | | | | | | | | | <u> </u> | | | | |
| Let Let Section Township Range Let Idn Feet from NS Line Feet From EW Line County | ¹ Prope | erty Code | | | I | Airpath AEM | y Name 1 State No. 1 | | | ° Well No | | | |
| P 8 18S 36E 660 S 660 E Lea **Proposed Bottom Hole Location** UL-Lax Section Township Range Lat Ida Foot from NS Line Feet From EW Line Country **Proposed Bottom Hole Location** **Proposed Bottom Hole Information** **Proposed Information** **Proposed Bottom Hole Information** **Proposed Hole Repeated Information Repeated Information** **Proposed Hole Size Swap Information** **Proposed Hole Size Casing Size Casing Repeated Land Hole Size Casing Repeated Land Land Hole Size Surface Land Hole Size Casing Repeated Land Land Land Hole Size Surface Land Land Land Land Land Land Land Land | · | | | <u> </u> | | ⁷ Surfac | ce Location | | <u></u> | | | | |
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| Pool Information Sub Devonian | ···· | <u></u> | | | 8] | Proposed Bott | tom Hole Lo | cation | | | · | | |
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| N 13004' Devonian Undesignated Undesignated | | | | | | | • | | | | | | |
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| E-mail Address: debmckelvey@earthlink.net ### Conditions of Approval Attached Conditions of Approval Attached Conditions of Approval Att | Printed name: | Debbie | McKel | vey J | | | Title: Pei | troleum E | ngineer | | | | |
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| Date: 9/2/2015 Phone: 575-392-3575 Conditions of Approval Attached | E-mail Address: | : debme | ckelvey(| @earthlink.net | R | PERM | KE | | 117 | | 107 /// | | |
| CEP m 9 2019 | Date: 9/2/20 | 015 | | Phone: 575-392 | | | | Approval Attac | hed . | | | | |
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Airpath AEM State No. 1 Re-Entry & Completion Procedure

API No.: 30-025-29865

Location: 660' FSL & 660' FEL Section 8, T-18S, R-36E

Lea County, New Mexico

Elevation: 3838' GL

KB: +15'

TD: 13,004'

PBTD: (P&A)

Casing & Cement:

13-3/8", 54.5#/ft., J-55, ST&C @ 425' cmt. w/425 sx. circulated 8-5/8", 32#/ft., K-55, ST&C @ 3805' cmt. w/1500 sx. circulated

Tubing:

None

Cement Plugs:

Surface, 2000'-2100', 3750'-3850', 5150'-5250', 6860'-6960', 10100'-10200', 11425'-11525', and 12744'-12844'

Procedure:

- 1. Clean off location, remove P&A marker, and dig out cellar.
- 2. Rebuild wellhead to leave a 9" x 5M casing flange looking up.
- 3. MIRU drilling rig or workover rig. NU double ram 5,000 psi working pressure BOP stack with 3000 psi rated annular preventer.
- 4. PU 7-7/8" mill tooth bit, DCs, and 3-1/2" drill pipe. Drill out plugs inside casing to 3800'. Test casing to 1500 psig and BOP stack with test plug to 5000 psig.
- 5. Drill cement plugs circulating and conditioning mud system between plugs. Mud properties to be adjusted to conform to the attached Nova Mud recommendations prior to reaching the Wolfcamp formation.
- 6. Circulate and condition hole at TD. Short trip to confirm hole condition.
- 7. POOH laying down drill pipe, DCs, and bit. PU and run 12,875' of 5-1/2", 17#/ft., N-80 casing. Land casing in full tension.
- 8. Cement w/1000 sx. per attached Baker Hughes procedure.
- 9. WOC. ND BOP stack. NU wellhead. RDMO drilling equipment.
- 10. MIRU completion unit. NU hydraulic BOP.
- 11. PU 4-3/4" bit, 6-3-1/2" DCs and 2-7/8" tubing
- 12. RU reverse unit. TIH to float collar.
- 13. Drill out float collar, cement float shoe and open hole to original TD of 13,004'.
- 14. Circulate hole with clean 2% KCL based packer fluid. POOH laying down workstring, DCs, and bit.
- 15. PU AS1X-10K nickel plated packer or equivalent with accessories as follows:

Profile nipple

6' tailpipe

Packer

Profile nipple

On/Off Tool

Plastic coated production tubing.

- 16. Set packer at +/- 12,800'.
- 17. ND BOP. NU wellhead.
- 18. Establish injection rate and acidize if necessary with 5000 gallons 15% HCL-NE-FE acid.
- 19. RDMO completion equipment and place well on injection

Exhibit 'B' Existing Plugged & Abandoned Wellbore 04/30/2015

Elevation: 3838'GL KB: +15'

17-1/2" Hole 425' - 13 3/8", J-55, 54.5#, ST&C Casing Cemented w/425 sxs. Circulated to Surf.

11" Hole 3805' - 8-5/8", J-55, 32#, ST&C Casing. Cemented w/1500 sxs. Circulated to Surface

7-7/8" Hole

Cement Plugs 12,844'-12,744', 11,525'-11,425', 10,200'-10,100', 6,960'-6,860', 5,250'-5,2150', 3,850'-3,750', 2,100'-2,000', & Surface

T.D. @ 13004'

Lynx Petroleum Cons.
Airpath AEM St. No. 1
660' FSL & 660' FEL
Sec. 8, T-18S, R-36E

Lea County, N.M.

Exhibit 'C' As Completed Disposal Wellbore 04/30/2015

Elevation: 3738'GL KB: +15'

17-1/2" Hole 425' - 13 3/8", J-55, 54.5#, ST&C Casing Cemented w/425 sxs. Circulated to Surf.

11" Hole 3805' - 8-5/8", J-55, 32#, ST&C Casing. Cemented w/1500 sxs. Circulated to Surface

7-7/8" Hole

12,800' 3-1/2", 10.3#, N-80 Hydril CS or equivalent Internally Plastic Coated

AS-1X Nickel plated packer or equivalent

 $12850' - 5 \ 1/2"$, 17#, N-80, LT&C Cement w/1400 sx. to tie back into 8-5/8" casing

TOC @ 3500'

Lynx Petroleum Cons.
Airpath AEM St. No. 1
660' FSL & 660' FEL
Sec. 8. T—18S. R—36E
Lea County, N.M.

