

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 88203
District III - (505) 334-6170
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

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

WELL API NO. 30-025-37028
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. B0-0935-0000
7. Lease Name or Unit Agreement Name Northeast Drinkard Unit (NEDU) [22503]
8. Well Number 420
9. OGRID Number 873
10. Pool name or Wildcat Eunice, B-T-D, North [22900]
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3435' GL

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 Apache Corporation	
3. Address of Operator 303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705	
4. Well Location Unit Letter <u>I</u> : 2375 feet from the <u>South</u> line and 605 feet from the <u>East</u> line Section <u>10</u> Township <u>21S</u> Range <u>37E</u> NMPM County <u>Lea</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3435' GL	

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 ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Apache intends to add Blinebry & Drinkard pay and acidize, per the attached procedure and WBD information.

Spud Date:

3/17/2005

Rig Release Date:

3/30/2005

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

SIGNATURE

Reesa Fisher

TITLE Sr. Staff Reg Analyst

DATE 10/26/2018

Type or print name Reesa Fisher

E-mail address: Reesa.Fisher@apachecorp.com

PHONE: (432) 818-1062

For State Use Only

APPROVED BY:

[Signature]

TITLE Petroleum Engineer

DATE

11/10/18

Conditions of Approval (if any):

NEDU 420: (API: 30-025-37028)

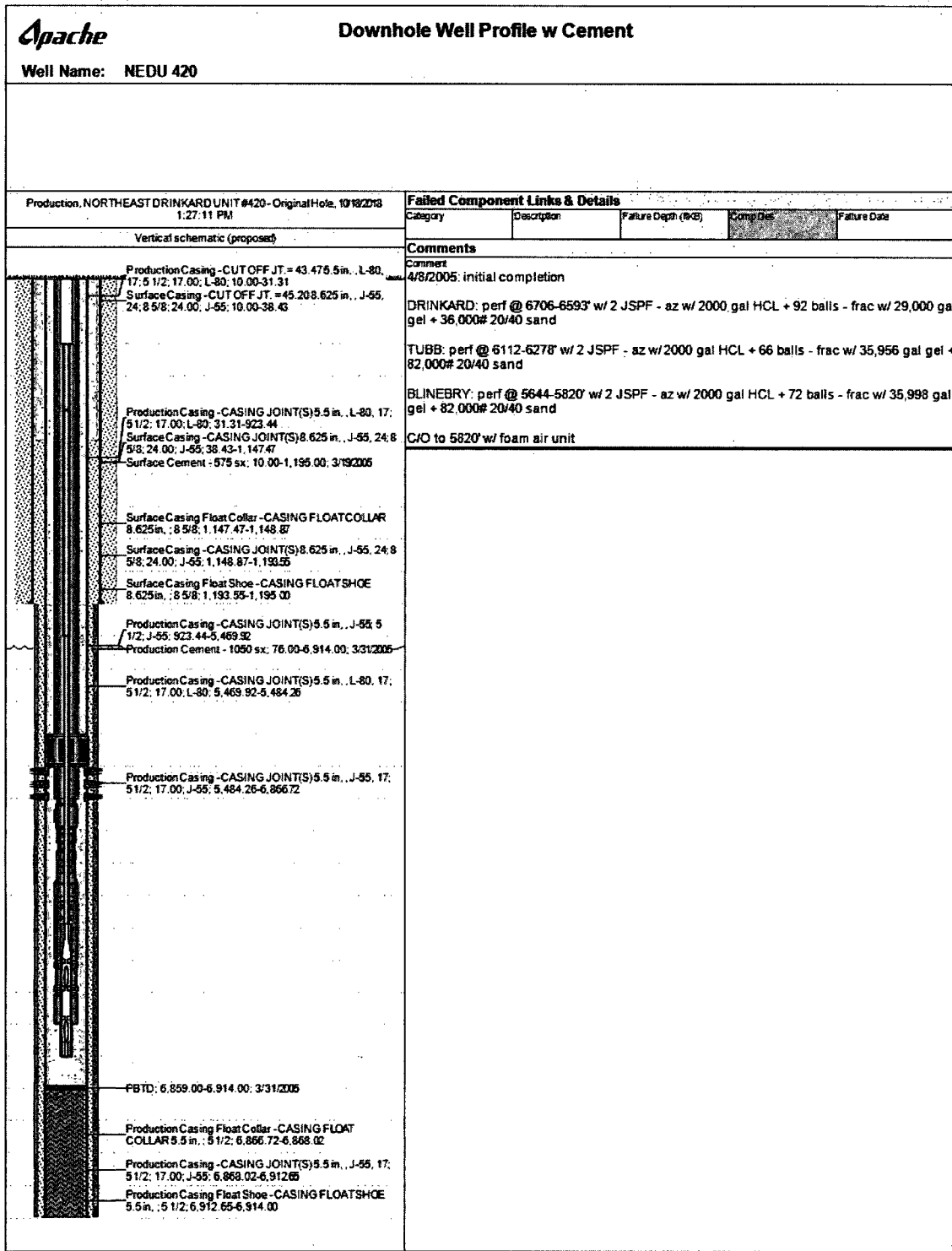
OBJECTIVE: ADD BLINEBRY & DRINKARD PAY, ACIDIZE

- 1.** POOH with rods and 2-7/8" production tubing.
- 2.** PU workstring and RIH with bit and scraper. Clean out wellbore to PBTD at 6852'. POOH.
- 3.** RIH with wireline and perforate Blinebry and Drinkard formations 5734'-5813' and 6498'-6661', respectively. POOH.
- 4.** RIH w/ work string and 5-1/2" treating packer. Acidize Blinebry-Tubb-Drinkard interval with 10,000 gallons 15% HCL acid. POOH.
- 5.** RIH with 2-7/8" production tubing and seat nipple set at ~6750'.
- 6.** Return well to production.

Current Wellbore Diagram

Apache		Downhole Well Profile w Cement																																																																																											
Well Name: NEDU 420																																																																																													
API Surface Loc 3002537028		Surface Legal Location 2375' FSL, 605' FEL, Unit H, Sec 10, T-21S, R-37E		Filed Name Eunice (North) Bld																																																																																									
Spud Date 3/17/2005		Original KB Elevation (ft) 3,445.0		Ground Elevation (ft) 3,435.0																																																																																									
Original Hole - 6,859		Total Depth (ft) 6,914.0		Net-Gravel Distance (ft) 10.0																																																																																									
Production, NORTHEAST DRINKARD UNIT #420 - Original Hole, 10/18/2013 1:28:53 PM																																																																																													
Vertical schematic (proposed)																																																																																													
Casing Strings <table border="1"> <thead> <tr> <th>Csg Des</th> <th>OD (in)</th> <th>ID (in)</th> <th>Wt/Len (lb/ft)</th> <th>Grade</th> <th>Set Depth (ft)</th> </tr> </thead> <tbody> <tr> <td>Surface</td> <td>8.5/8</td> <td>8.10</td> <td>24.00</td> <td>J-55</td> <td>1,195.00</td> </tr> <tr> <td>Prod 1</td> <td>5 1/2</td> <td>4.89</td> <td></td> <td>J-55</td> <td>6,914.00</td> </tr> </tbody> </table>						Csg Des	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ft)	Surface	8.5/8	8.10	24.00	J-55	1,195.00	Prod 1	5 1/2	4.89		J-55	6,914.00																																																																						
Csg Des	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ft)																																																																																								
Surface	8.5/8	8.10	24.00	J-55	1,195.00																																																																																								
Prod 1	5 1/2	4.89		J-55	6,914.00																																																																																								
Cement <table border="1"> <thead> <tr> <th>String</th> <th>Description</th> <th>Top Depth (ft)</th> <th>Bottom Depth (ft)</th> <th>Top Mass Meth Returns at Surface</th> <th>Start Date</th> </tr> </thead> <tbody> <tr> <td>Surface</td> <td>Surface Cement - 575 8 5/8</td> <td>10.00</td> <td>1,195.00</td> <td></td> <td>3/19/2005</td> </tr> <tr> <td>Prod 1</td> <td>Production Cement - 1050 5 1/2</td> <td>76.00</td> <td>6,914.00</td> <td>Cement Bond Log</td> <td>3/31/2005</td> </tr> <tr> <td>Prod 1</td> <td>PBTD 5 1/2</td> <td>6,859.00</td> <td>6,914.00</td> <td>Tag</td> <td>3/31/2005</td> </tr> </tbody> </table>						String	Description	Top Depth (ft)	Bottom Depth (ft)	Top Mass Meth Returns at Surface	Start Date	Surface	Surface Cement - 575 8 5/8	10.00	1,195.00		3/19/2005	Prod 1	Production Cement - 1050 5 1/2	76.00	6,914.00	Cement Bond Log	3/31/2005	Prod 1	PBTD 5 1/2	6,859.00	6,914.00	Tag	3/31/2005																																																																
String	Description	Top Depth (ft)	Bottom Depth (ft)	Top Mass Meth Returns at Surface	Start Date																																																																																								
Surface	Surface Cement - 575 8 5/8	10.00	1,195.00		3/19/2005																																																																																								
Prod 1	Production Cement - 1050 5 1/2	76.00	6,914.00	Cement Bond Log	3/31/2005																																																																																								
Prod 1	PBTD 5 1/2	6,859.00	6,914.00	Tag	3/31/2005																																																																																								
Perforations <table border="1"> <thead> <tr> <th>Date</th> <th>Type</th> <th>Prop?</th> <th>Top (ft)</th> <th>Bot (ft)</th> <th>Shot Dens (shots/ft)</th> <th>Entered Shot Total</th> </tr> </thead> <tbody> <tr><td>4/19/2005</td><td>Blindbry</td><td>No</td><td>5,644</td><td>5,648</td><td>2.0</td><td>10</td></tr> <tr><td>4/19/2005</td><td>Blindbry</td><td>No</td><td>5,692</td><td>5,696</td><td>2.0</td><td>10</td></tr> <tr><td>4/19/2005</td><td>Blindbry</td><td>No</td><td>5,752</td><td>5,756</td><td>2.0</td><td>10</td></tr> <tr><td>4/19/2005</td><td>Blindbry</td><td>No</td><td>5,816</td><td>5,820</td><td>2.0</td><td>10</td></tr> <tr><td>4/13/2005</td><td>Tubb</td><td>No</td><td>6,112</td><td>6,116</td><td>2.0</td><td>10</td></tr> <tr><td>4/13/2005</td><td>Tubb</td><td>No</td><td>6,194</td><td>6,199</td><td>2.0</td><td>12</td></tr> <tr><td>4/13/2005</td><td>Tubb</td><td>No</td><td>6,272</td><td>6,278</td><td>2.0</td><td>14</td></tr> <tr><td>4/8/2005</td><td>Drinkard</td><td>No</td><td>6,589</td><td>6,593</td><td>2.0</td><td>10</td></tr> <tr><td>4/8/2005</td><td>Drinkard</td><td>No</td><td>6,626</td><td>6,632</td><td>2.0</td><td>14</td></tr> <tr><td>4/8/2005</td><td>Drinkard</td><td>No</td><td>6,663</td><td>6,670</td><td>2.0</td><td>16</td></tr> <tr><td>4/8/2005</td><td>Drinkard</td><td>No</td><td>6,706</td><td>6,710</td><td>2.0</td><td>10</td></tr> </tbody> </table>						Date	Type	Prop?	Top (ft)	Bot (ft)	Shot Dens (shots/ft)	Entered Shot Total	4/19/2005	Blindbry	No	5,644	5,648	2.0	10	4/19/2005	Blindbry	No	5,692	5,696	2.0	10	4/19/2005	Blindbry	No	5,752	5,756	2.0	10	4/19/2005	Blindbry	No	5,816	5,820	2.0	10	4/13/2005	Tubb	No	6,112	6,116	2.0	10	4/13/2005	Tubb	No	6,194	6,199	2.0	12	4/13/2005	Tubb	No	6,272	6,278	2.0	14	4/8/2005	Drinkard	No	6,589	6,593	2.0	10	4/8/2005	Drinkard	No	6,626	6,632	2.0	14	4/8/2005	Drinkard	No	6,663	6,670	2.0	16	4/8/2005	Drinkard	No	6,706	6,710	2.0	10				
Date	Type	Prop?	Top (ft)	Bot (ft)	Shot Dens (shots/ft)	Entered Shot Total																																																																																							
4/19/2005	Blindbry	No	5,644	5,648	2.0	10																																																																																							
4/19/2005	Blindbry	No	5,692	5,696	2.0	10																																																																																							
4/19/2005	Blindbry	No	5,752	5,756	2.0	10																																																																																							
4/19/2005	Blindbry	No	5,816	5,820	2.0	10																																																																																							
4/13/2005	Tubb	No	6,112	6,116	2.0	10																																																																																							
4/13/2005	Tubb	No	6,194	6,199	2.0	12																																																																																							
4/13/2005	Tubb	No	6,272	6,278	2.0	14																																																																																							
4/8/2005	Drinkard	No	6,589	6,593	2.0	10																																																																																							
4/8/2005	Drinkard	No	6,626	6,632	2.0	14																																																																																							
4/8/2005	Drinkard	No	6,663	6,670	2.0	16																																																																																							
4/8/2005	Drinkard	No	6,706	6,710	2.0	10																																																																																							
Tubing Strings <table border="1"> <thead> <tr> <th>Tubing Description</th> <th>Run Date</th> <th>String Length (ft)</th> <th>Set Depth (ft)</th> </tr> </thead> <tbody> <tr> <td>Tubing</td> <td>10/17/2006</td> <td>6,761.91</td> <td>6,761.9</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Item Des</th> <th>Jts</th> <th>Make</th> <th>Model</th> <th>OD (in)</th> <th>Wt (lb/ft)</th> <th>Grade</th> <th>Len (ft)</th> </tr> </thead> <tbody> <tr> <td>Tubing</td> <td>17</td> <td></td> <td></td> <td>2 7/8</td> <td>6.50</td> <td>J-55</td> <td>5,559.16</td> </tr> <tr> <td>Anchor/catcher</td> <td>1</td> <td></td> <td>Baker w/ 35K Shear</td> <td>5 1/2</td> <td>23.00</td> <td>N-80</td> <td>2.70</td> </tr> <tr> <td>Tubing</td> <td>35</td> <td></td> <td></td> <td>2 7/8</td> <td>6.50</td> <td>J-55</td> <td>1,137.73</td> </tr> <tr> <td>Blast Joint</td> <td>1</td> <td></td> <td></td> <td>2 7/8</td> <td></td> <td></td> <td>32.30</td> </tr> <tr> <td>Seat Nipple</td> <td>1</td> <td></td> <td></td> <td>2 3/8</td> <td>7.20</td> <td>SS</td> <td>1.10</td> </tr> <tr> <td>Cross Over</td> <td>1</td> <td></td> <td></td> <td>2 7/8</td> <td></td> <td></td> <td>0.46</td> </tr> <tr> <td>Perf Sub</td> <td>1</td> <td></td> <td></td> <td>2 7/8</td> <td></td> <td></td> <td>8.00</td> </tr> <tr> <td>Tubing Sub</td> <td>1</td> <td></td> <td></td> <td>2 7/8</td> <td></td> <td></td> <td>10.00</td> </tr> <tr> <td>Pinned Collar</td> <td>1</td> <td></td> <td></td> <td>2 7/8</td> <td></td> <td></td> <td>0.46</td> </tr> </tbody> </table>						Tubing Description	Run Date	String Length (ft)	Set Depth (ft)	Tubing	10/17/2006	6,761.91	6,761.9	Item Des	Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Tubing	17			2 7/8	6.50	J-55	5,559.16	Anchor/catcher	1		Baker w/ 35K Shear	5 1/2	23.00	N-80	2.70	Tubing	35			2 7/8	6.50	J-55	1,137.73	Blast Joint	1			2 7/8			32.30	Seat Nipple	1			2 3/8	7.20	SS	1.10	Cross Over	1			2 7/8			0.46	Perf Sub	1			2 7/8			8.00	Tubing Sub	1			2 7/8			10.00	Pinned Collar	1			2 7/8			0.46
Tubing Description	Run Date	String Length (ft)	Set Depth (ft)																																																																																										
Tubing	10/17/2006	6,761.91	6,761.9																																																																																										
Item Des	Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)																																																																																						
Tubing	17			2 7/8	6.50	J-55	5,559.16																																																																																						
Anchor/catcher	1		Baker w/ 35K Shear	5 1/2	23.00	N-80	2.70																																																																																						
Tubing	35			2 7/8	6.50	J-55	1,137.73																																																																																						
Blast Joint	1			2 7/8			32.30																																																																																						
Seat Nipple	1			2 3/8	7.20	SS	1.10																																																																																						
Cross Over	1			2 7/8			0.46																																																																																						
Perf Sub	1			2 7/8			8.00																																																																																						
Tubing Sub	1			2 7/8			10.00																																																																																						
Pinned Collar	1			2 7/8			0.46																																																																																						
Rod Strings <table border="1"> <thead> <tr> <th>Rod Description</th> <th>Run Date</th> <th>String Length (ft)</th> <th>Set Depth (ft)</th> </tr> </thead> <tbody> <tr> <td>Rod</td> <td>10/18/2006</td> <td>6,758.0</td> <td>6,768.0</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Item Des</th> <th>Jts</th> <th>Make</th> <th>Model</th> <th>OD (in)</th> <th>Wt (lb/ft)</th> <th>Grade</th> <th>Len (ft)</th> </tr> </thead> <tbody> <tr> <td>Polished Rod</td> <td>1</td> <td></td> <td>Sprayloy</td> <td>1 1/2</td> <td>6.10</td> <td>PRS</td> <td>26.00</td> </tr> <tr> <td>Pony Rod</td> <td>2</td> <td></td> <td>Full</td> <td>7/8</td> <td>2.90</td> <td>KD</td> <td>8.00</td> </tr> <tr> <td>Sucker Rod w/ 4 Guides per Rod</td> <td>92</td> <td></td> <td>S87 W/SM CPLG/FULL</td> <td>7/8</td> <td>2.15</td> <td>KD</td> <td>2,300.00</td> </tr> <tr> <td>Sucker Rod w/ 4 Guides per Rod</td> <td>17</td> <td></td> <td>S87 W/SM CPLG/FULL</td> <td>3/4</td> <td>1.60</td> <td>KD</td> <td>4,400.00</td> </tr> <tr> <td>Rod Insert Pump</td> <td>1</td> <td></td> <td></td> <td>1 1/2</td> <td></td> <td>RHB C</td> <td>24.00</td> </tr> </tbody> </table>						Rod Description	Run Date	String Length (ft)	Set Depth (ft)	Rod	10/18/2006	6,758.0	6,768.0	Item Des	Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Polished Rod	1		Sprayloy	1 1/2	6.10	PRS	26.00	Pony Rod	2		Full	7/8	2.90	KD	8.00	Sucker Rod w/ 4 Guides per Rod	92		S87 W/SM CPLG/FULL	7/8	2.15	KD	2,300.00	Sucker Rod w/ 4 Guides per Rod	17		S87 W/SM CPLG/FULL	3/4	1.60	KD	4,400.00	Rod Insert Pump	1			1 1/2		RHB C	24.00																																
Rod Description	Run Date	String Length (ft)	Set Depth (ft)																																																																																										
Rod	10/18/2006	6,758.0	6,768.0																																																																																										
Item Des	Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)																																																																																						
Polished Rod	1		Sprayloy	1 1/2	6.10	PRS	26.00																																																																																						
Pony Rod	2		Full	7/8	2.90	KD	8.00																																																																																						
Sucker Rod w/ 4 Guides per Rod	92		S87 W/SM CPLG/FULL	7/8	2.15	KD	2,300.00																																																																																						
Sucker Rod w/ 4 Guides per Rod	17		S87 W/SM CPLG/FULL	3/4	1.60	KD	4,400.00																																																																																						
Rod Insert Pump	1			1 1/2		RHB C	24.00																																																																																						
Plug Back Total Depths <table border="1"> <thead> <tr> <th>Date</th> <th>Type</th> <th>Depth (ft)</th> <th>Depth (ft)</th> </tr> </thead> <tbody> <tr> <td>3/31/2005</td> <td></td> <td>6,859</td> <td>6,841</td> </tr> </tbody> </table>						Date	Type	Depth (ft)	Depth (ft)	3/31/2005		6,859	6,841																																																																																
Date	Type	Depth (ft)	Depth (ft)																																																																																										
3/31/2005		6,859	6,841																																																																																										

Current Wellbore Diagram



Proposed Wellbore Diagram (Proposed Changes in Yellow)

