NM OIL CONSERVATION
ARTESIA DISTRICT

JAN 23 2019

RECEIVED

Intent [X] As Drilled [ ]

| API # |
|---|
| |

| Operator Name: | Property Name: | Well Number |
|---|---|---|
| RKI Exploration & Production, LLC | Collie 35-34-22-27 Fee | 401H |

Kick Off Point (KOP)

| UL | Section | Township | Range | Lot | Feet | From N/S | Feet | From E/W | County |
|---|---|---|---|---|---|---|---|---|---|
| E | 36 | 22S | 27E | | 1849 | N | 27 | W | Eddy |

| Latitude | Longitude | NAD |
|---|---|---|
| 32.351234 | -104.151771 | 83 |

First Take Point (FTP)

| UL | Section | Township | Range | Lot | Feet | From N/S | Feet | From E/W | County |
|---|---|---|---|---|---|---|---|---|---|
| H | 35 | 22S | 27E | | 1746 | N | 330 | E | Eddy |

| Latitude | Longitude | NAD |
|---|---|---|
| 32.351517 | -104.152919 | 83 |

Last Take Point (LTP)

| UL | Section | Township | Range | Lot | Feet | From N/S | Feet | From E/W | County |
|---|---|---|---|---|---|---|---|---|---|
| E | 34 | 22S | 27E | | 1746 | N | 330 | W | Eddy |

| Latitude | Longitude | NAD |
|---|---|---|
| 32.351456 | -104.184939 | 83 |

Is this well the defining well for the Horizontal Spacing Unit? [Y]

Is this well an infill well? [N]

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

| API # |
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| Operator Name: | Property Name: | Well Number |
|---|---|---|
| | | |

KZ 06/29/2018

| | 8-3/4" Setting Balanced Cement Plug |
|---|---|
| | **Objective: The objective is to set a 500' balanced plug to plug back the pilot and provide a kickoff8819' point to drill the curve for a lower wolfcamp A** |
| 1 | P/U muleshoe, 2-7/8" stinger, and 2-7/8" x 5" S-135 4-½" IF XO, float sub and float<br>a. Verify stinger and XO have been drifted before RIH<br>b. Verify muleshoe sub is ported around OD |
| 2 | TIH to 10100' to set viscous pill. Circulate bottoms up through chokes at 10100'<br>a. Verify kelly down for space-out when we pick up out of pill |
| 3 | Verify BBL IN/OUT while spotting viscous-weighted pill and cement plug in following steps |
| 4 | Pump 5 bbls of viscous-weighted pill ~ 80 visc from slugging pit and displace with 168.75 bbls of mud |
| 5 | P/U out of the pill 50-ft, this will place the bottom of the stinger at 9069' which should be the top of the pill. |
| 6 | Rig up cementers, test lines to 5,000 psi, and pump job as follows:<br>a. Pump 20 bbls fresh water spacer<br>b. Mix and pump 309 sks, 17.5 ppg, 0.9372 ft3/sk Class H cement @ 3-4 bpm<br>i. Monitor pressure closely as cement approaches and passes through drillpipe float<br>c. Displace with 1.28 bbls of FW followed by 144.17 bbls mud from active @ 3-4 bpm<br>i. NOTE: Slow down pumps to 2 bpm at 140.17 bbls displaced and pump last 4 bbls of displacement at 2 bpm<br>ii. NOTE: Total displacement is 144.17 bbls |
| 7 | Pull 10 stands at 2 min/stand to place end of stinger at approximately 9,243' (430' above TOC) |
| 8 | Circulate while full rate rotating and reciprocating pipe verifying drillpipe, stinger, and backside are clear of cement |
| 9 | Discuss plan forward with entire team after circulating at least two bottoms up. |
| 10 | WOC 24 Hrs before dressing plug |