API NUMBER: 005 20471 Α **OKLAHOMA CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION** P.O. BOX 52000 **OKLAHOMA CITY, OK 73152-2000** (Rule 165:10-3-1)

Approval Date: 06/07/2019 12/07/2020 Expiration Date:

Straight Hole Oil & Gas

Amend reason: DRILLED DEEPER THAN ANTICIPATED &

AMEND PERMIT TO DRILL

| LL NAME CHANGE | | | | | WILL TO DR | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------|--------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------|----------------------------|-----------------|
| /ELL LOCATION: Section: 0 | Township: | 1N Ranç | ge: 15E | County: / | ATOKA | | | | | |
| POT LOCATION: NE SW | NE SE | FEET FROM QUART | ER: FROM | SOUTH | FROM EAST | | | | | |
| | | SECTION LIN | IES: | 1915 | 970 | | | | | |
| ease Name: WESTERN | | | Well No | : 5-47B | | Well will be | 970 | feet from ne | earest unit or | lease boundary. |
| perator Name: WESTERN O | IL AND GAS DEVELOP | PMENT | Telephone | : 40523545 | 590 | | | OTC/C | OCC Number | 14635 0 |
| WESTERN OIL AND GA | S DEVELOPMEN | T CORP | | | JODY L AND | MELISSA K KI | NDRED |) | | |
| 420 NW 13TH ST | | | | | 1175 NORTH PITTSBURG RD | | | | | |
| OKLAHOMA CITY, OK 73103-37 | | | | | DAISY | | | OK | 74540 | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Formation(s) (Permit Va | llid for Listed Form | nations Only): | | | | | | | | |
| Name | Code | | Depth | | | | | | | |
| I JACKFORK | 354JKF | FK | 5140 | | | | | | | |
| Spacing Orders: 551432 | | Lo | cation Exce | ption Orders | No Exception | ons | Inci | reased Densit | ty Orders: | lo Density |
| | | | | | | | | | | |
| Pending CD Numbers: 2022024 | 162 | _ | Working in | terest owne | rs' notified: *** | | | Specia | al Orders: | lo Special |
| Pending CD Numbers: 2022024 Total Depth: 5860 | 462 Ground Elevation: 75 | i6 | - | | is notined. | Depth | to base o | · | al Orders: Nater-Bearing F | · |
| Total Depth: 5860 | Ground Elevation: 75 | 56 ; | Working in | | 310 | | | f Treatable W | | · |
| Total Depth: 5860 Under Federal Jurisdic | Ground Elevation: 75 | 56 (| - | | 310 Approved Method | I for disposal of Dri | lling Fluid | f Treatable W | ater-Bearing F | M: 260 |
| Total Depth: 5860 | Ground Elevation: 75 stion: No illed: No | 56 : | - | | 310 Approved Method D. One time land a | | Iling Fluid | f Treatable W Is: MIT) | ater-Bearing F | · |
| Total Depth: 5860 Under Federal Jurisdic Fresh Water Supply Well Dr | Ground Elevation: 75 stion: No illed: No | 56 | - | | 310 Approved Method | l for disposal of Dri | lling Fluid | f Treatable W Is: MIT) | ater-Bearing F | M: 260 |
| Total Depth: 5860 Under Federal Jurisdic Fresh Water Supply Well Dr Surface Water used to | Ground Elevation: 75 ction: No illed: No Drill: Yes | | Surface | | Approved Method D. One time land a H. (Other) | I for disposal of Dri | Iling Fluid | f Treatable W Is: MIT) | ater-Bearing F | M: 260 |
| Total Depth: 5860 Under Federal Jurisdic Fresh Water Supply Well Dr Surface Water used to PIT 1 INFORMATION Type of Pit System: Cl | Ground Elevation: 75 ction: No illed: No Drill: Yes | | Surface | | Approved Method D. One time land a H. (Other) Cate Liner not require | I for disposal of Dri pplication (REQUI gory of Pit: C d for Category: C | Iling Fluid RES PERI | f Treatable W Is: MIT) | ater-Bearing F | M: 260 |
| Total Depth: 5860 Under Federal Jurisdic Fresh Water Supply Well Di Surface Water used to PIT 1 INFORMATION Type of Pit System: CI Type of Mud System: W | Ground Elevation: 75 ction: No illed: No Drill: Yes COSED Closed System ATER BASED | | Surface | | Approved Method D. One time land a H. (Other) Cate Liner not require | I for disposal of Dri | Iling Fluid RES PERI SEE ME | f Treatable W Is: MIT) | ater-Bearing F | M: 260 |
| Total Depth: 5860 Under Federal Jurisdic Fresh Water Supply Well Dr Surface Water used to PIT 1 INFORMATION Type of Pit System: Cl | Ground Elevation: 75 ction: No ction: No ction: No Drill: Yes OSED Closed System ATER BASED | n Means Steel Pits | Surface | | Approved Method D. One time land a H. (Other) Cate Liner not require | I for disposal of Dri pplication (REQUI gory of Pit: C d for Category: C ocation is: AP/TE | Iling Fluid RES PERI SEE ME | f Treatable W Is: MIT) | ater-Bearing F | M: 260 |
| Total Depth: 5860 Under Federal Jurisdic Fresh Water Supply Well Di Surface Water used to PIT 1 INFORMATION Type of Pit System: Ci Type of Mud System: W Chlorides Max: 8000 Average: 50 | Ground Elevation: 75 ction: No illed: No Drill: Yes COSED Closed System ATER BASED DOO ater greater than 10ft be | n Means Steel Pits | Surface | | Approved Method D. One time land a H. (Other) Cate Liner not require | I for disposal of Dri pplication (REQUI gory of Pit: C d for Category: C ocation is: AP/TE | Iling Fluid RES PERI SEE ME | f Treatable W Is: MIT) | ater-Bearing F | M: 260 |
| Total Depth: 5860 Under Federal Jurisdic Fresh Water Supply Well Dr Surface Water used to PIT 1 INFORMATION Type of Pit System: Ct Type of Mud System: W Chlorides Max: 8000 Average: 5t Is depth to top of ground w Within 1 mile of municipal | Ground Elevation: 75 ction: No illed: No Drill: Yes COSED Closed System ATER BASED DOO ater greater than 10ft be | n Means Steel Pits | Surface | | Approved Method D. One time land a H. (Other) Cate Liner not require | I for disposal of Dri pplication (REQUI gory of Pit: C d for Category: C ocation is: AP/TE | Iling Fluid RES PERI SEE ME | f Treatable W Is: MIT) | ater-Bearing F | M: 260 |
| Total Depth: 5860 Under Federal Jurisdic Fresh Water Supply Well Di Surface Water used to PIT 1 INFORMATION Type of Pit System: CI Type of Mud System: W Chlorides Max: 8000 Average: 50 Is depth to top of ground w Within 1 mile of municipal | Ground Elevation: 75 ction: No illed: No Drill: Yes LOSED Closed System ATER BASED DOO ater greater than 10ft be | n Means Steel Pits elow base of pit? | Surface | | Approved Method D. One time land a H. (Other) Cate Liner not require | I for disposal of Dri pplication (REQUI gory of Pit: C d for Category: C ocation is: AP/TE | Iling Fluid RES PERI SEE ME | f Treatable W Is: MIT) | ater-Bearing F | M: 260 |
| Total Depth: 5860 Under Federal Jurisdic Fresh Water Supply Well Di Surface Water used to PIT 1 INFORMATION Type of Pit System: CI Type of Mud System: W Chlorides Max: 8000 Average: 50 Is depth to top of ground w Within 1 mile of municipal | Ground Elevation: 75 ction: No illed: No Drill: Yes LOSED Closed System ATER BASED DO0 ater greater than 10ft be I water well? N ection Area? N | n Means Steel Pits elow base of pit? | Surface | | Approved Method D. One time land a H. (Other) Cate Liner not require Pit L Pit Location | I for disposal of Dri pplication (REQUI gory of Pit: C d for Category: C ocation is: AP/TE | Iling Fluid RES PERI SEE ME | f Treatable W Is: MIT) | ater-Bearing F | M: 260 |
| Under Federal Jurisdic Fresh Water Supply Well Dr Surface Water used to PIT 1 INFORMATION Type of Pit System: Cl Type of Mud System: W Chlorides Max: 8000 Average: 50 Is depth to top of ground w Within 1 mile of municipa | Ground Elevation: 75 ction: No illed: No Drill: Yes COSED Closed System ATER BASED COO ater greater than 10ft be I water well? N ection Area? N ologically Sensitive Area | n Means Steel Pits relow base of pit? ra. | Surface | | Approved Method D. One time land a H. (Other) Cate Liner not require Pit L Pit Location | gory of Pit: C d for Category: C ocation is: AP/TE Formation: TERR/ | Iling Fluid RES PERI SEE ME | f Treatable W Is: MIT) | ater-Bearing F | M: 260 |
| Total Depth: 5860 Under Federal Jurisdic Fresh Water Supply Well Di Surface Water used to PIT 1 INFORMATION Type of Pit System: CI Type of Mud System: W Chlorides Max: 8000 Average: 50 Is depth to top of ground w Within 1 mile of municipa Wellhead Prot Pit is located in a Hydr | Ground Elevation: 75 ction: No illed: No Drill: Yes LOSED Closed System ATER BASED DO0 ater greater than 10ft be I water well? N ection Area? N ologically Sensitive Area LOSED Closed System | n Means Steel Pits relow base of pit? ra. | Surface | | Approved Method D. One time land a H. (Other) Cate Liner not require Pit L Pit Location | gory of Pit: C cocation is: AP/TE Formation: TERR/ | Iling Fluid RES PERI SEE ME DEPOSIT | f Treatable W Is: MIT) MO | ater-Bearing F | M: 260 |
| Total Depth: 5860 Under Federal Jurisdic Fresh Water Supply Well Di Surface Water used to PIT 1 INFORMATION Type of Pit System: CI Type of Mud System: W Chlorides Max: 8000 Average: 50 Is depth to top of ground w Within 1 mile of municipa Wellhead Prot Pit js located in a Hydr PIT 2 INFORMATION Type of Pit System: CI | Ground Elevation: 75 ction: No illed: No Drill: Yes LOSED Closed System ATER BASED DO0 ater greater than 10ft be I water well? N ection Area? N ologically Sensitive Area LOSED Closed System L BASED | n Means Steel Pits relow base of pit? ra. | Surface | | Approved Method D. One time land a H. (Other) Cate Liner not require Pit L Pit Location | gory of Pit: C ocation is: AP/TE Formation: TERR/ | Iling Fluid RES PERI SEE ME DEPOSIT ACE | f Treatable W Is: MIT) MO | ater-Bearing F | M: 260 |
| Under Federal Jurisdice Fresh Water Supply Well Discursive Water used to PIT 1 INFORMATION Type of Pit System: Classification Chlorides Max: 8000 Average: 50 Is depth to top of ground well Within 1 mile of municipal Wellhead Protection Pit is located in a Hydromatical Control of Municipal Chlorides Max: 8000 Average: 50 Is depth to top of ground wellhead Protection Chlorides Max: 8000 Average: 50 Is depth to top of ground wellhead Protection Chlorides Max: 8000 Average: 50 Is depth to top of ground wellhead Protection Chlorides Max: 8000 Average: 50 Is depth to top of ground wellhead Protection Chlorides Max: 8000 Average: 50 Is depth to top of ground wellhead Protection Chlorides Max: 8000 Average: 50 Is depth to top of ground wellhead Protection Chlorides Max: 8000 Average: 50 Is depth to top of ground wellhead Protection Chlorides Max: 8000 Average: 50 Is depth to top of ground wellhead Protection Chlorides Max: 8000 Average: 50 Is depth to top of ground wellhead Protection Chlorides Max: 8000 Average: 50 Is depth to top of ground wellhead Protection Chlorides Max: 8000 Average: 50 Is depth to top of ground wellhead Protection Chlorides Max: 8000 Average: 50 Is depth to top of ground wellhead Protection Chlorides Max: 8000 Average: 50 Is depth to top of ground wellhead Protection Chlorides Max: 8000 Average: 50 Is depth to top of ground wellhead Protection Chlorides Max: 8000 Average: 50 Is depth to top of ground wellhead Protection Chlorides Max: 8000 Average: 50 Is depth to top of ground wellhead Protection Chlorides Max: 8000 Average: 50 Is depth to top of ground wellhead Protection Chlorides Max: 8000 Average: 50 Is depth to top of ground Wellhead Protection Chlorides Max: 8000 Average: 50 Is depth to top of ground Wellhead Protection Chlorides Max: 8000 Average: 50 Is depth to top of ground Wellhead Protection Chlorides Max: 8000 Average: 50 Is depth to top of ground Wellhead Protection Chlorides Max: 8000 Average: 50 Is depth to top of ground Wellhead Protection Chlorides Max: 8000 Average: 50 Is dept | Ground Elevation: 75 ction: No illed: No Drill: Yes LOSED Closed System ATER BASED 2000 ater greater than 10ft be I water well? N ection Area? N ologically Sensitive Area LOSED Closed System L BASED 200000 | n Means Steel Pits elow base of pit? ea. n Means Steel Pits | Surface | | Approved Method D. One time land a H. (Other) Cate Liner not require Pit L Pit Location | gory of Pit: C ocation: TERRA | Iling Fluid RES PERI SEE ME DEPOSIT ACE | f Treatable W Is: MIT) MO | ater-Bearing F | M: 260 |
| Under Federal Jurisdic Fresh Water Supply Well Dr Surface Water used to PIT 1 INFORMATION Type of Pit System: Cl Type of Mud System: W Chlorides Max: 8000 Average: 50 Is depth to top of ground w Within 1 mile of municipa Wellhead Prot Pit is located in a Hydr PIT 2 INFORMATION Type of Pit System: Cl Type of Mud System: Ol Chlorides Max: 300000 Average: Is depth to top of ground w Within 1 mile of municipa | Ground Elevation: 75 ction: No illed: No Drill: Yes COSED Closed System ATER BASED DOO ater greater than 10ft be I water well? N ection Area? N ologically Sensitive Area COSED Closed System L BASED 200000 ater greater than 10ft be I water well? N | n Means Steel Pits elow base of pit? ea. n Means Steel Pits | Surface | | Approved Method D. One time land a H. (Other) Cate Liner not require Pit L Pit Location | gory of Pit: C ocation: TERRA | Iling Fluid RES PERI SEE ME DEPOSIT ACE | f Treatable W Is: MIT) MO | ater-Bearing F | M: 260 |
| Total Depth: 5860 Under Federal Jurisdic Fresh Water Supply Well Dr Surface Water used to PIT 1 INFORMATION Type of Pit System: Cl Type of Mud System: W Chlorides Max: 8000 Average: 56 Is depth to top of ground w Within 1 mile of municipa Wellhead Prot Pit is located in a Hydr PIT 2 INFORMATION Type of Pit System: Cl Type of Mud System: Ol Chlorides Max: 300000 Average: Is depth to top of ground w Within 1 mile of municipa | Ground Elevation: 75 ction: No illed: No Drill: Yes LOSED Closed System ATER BASED 200 ater greater than 10ft be I water well? N ection Area? N ologically Sensitive Area LOSED Closed System L BASED 200000 ater greater than 10ft be | n Means Steel Pits elow base of pit? ea. n Means Steel Pits | Surface | | Approved Method D. One time land a H. (Other) Cate Liner not require Pit L Pit Location | gory of Pit: C ocation: TERRA | Iling Fluid RES PERI SEE ME DEPOSIT ACE | f Treatable W Is: MIT) MO | ater-Bearing F | M: 260 |

NOTES:

| Category | Description |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HYDRAULIC FRACTURING | 5/23/2019 - G71 - OCC 165:10-3-10 REQUIRES: |
| | 1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN; |
| | 2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND, |
| | 3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG |
| МЕМО | 5/23/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - BUCK CREEK), PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT |
| PENDING CD - 202202462 | [8/17/2022 - G56] - 5-1N-15E X551432 JKFK SHL 1915' FSL, 970' FEL NO OP NAMED REC 8/15/2022 (MYLES) |
| SPACING - 551432 | [4/8/2022 - G56] - (640) 5-1N-15E VAC 320800 JKFK EST JKFK, OTHER |