| VENERATION New York Net | PI NUMBER: 011 24121 | OIL & GAS | CORPORATIO S CONSERVAT P.O. BOX 520 OMA CITY, OK (Rule 165:10-3 | 00 73152-2000 | Approval Date: Expiration Date | 11/07/2018 : 05/07/2020 |
|--|--|-------------------------|---|------------------------|-----------------------------------|------------------------------|
| WELLLOCATION: See 07 Typ: 15N Rge 10W County: BLANE SOUTD ATTON: See 07 Typ: 15N Rge 10W County: BLANE SOUTD ATTON: See 07 Typ: 15N Rge 10W The montisulation may south the result with the re | | | | 811.1 | | |
| BPT LOCATION: E W W PREFINANCIANT: Note SOUTH India WEST 270 465 Lasse Name: CHARMA 12 115M:11W Well No: SIX Well will be 270 feet from neares unit or lease bound Operator DEVON ENERGY PRODUCTION CO LP Tategorine: 455253611; 402233 OTC/GOC Number: 20751 0 J J J J THE LIFE ESTATE OF KAREN RING 2090 (ANTEBURRY DRIVE) VUKON OK 73102-5015 THE LIFE ESTATE OF KAREN RING 2090 (ANTEBURRY DRIVE) VUKON OK 73099 J J J S33 W SHERIDAN AVE OK 73102-5015 Name Depth J Name Operator Name Depth Increased Density Orders: 20107571 3 0 J J J J J 5 J J J J J J 5 J Location Exception Orders: Increased Density Orders: 20107572 201607573 Location Exception Orders: Increased Density Orders: 201007572 201607573 Location Exception Orders: Name Depth Apreced Method for depoal of Dense of Part 4000000000000000000 | | | | | | |
| Devent DEVON ENERGY PRODUCTION CO LP Theightome 40023351811; 4002333 OTC/OCC Number 2011 DEVON ENERGY PRODUCTION CO LP 333 W SHERIDAN AVE THE LIFE ESTATE OF KAREN RING 1209 CANTEBURRY DRIVE OKLAHOMA CITY, OK 73102-5015 THE LIFE ESTATE OF KAREN RING 1209 CANTEBURRY DRIVE TOKING (s) (Permit Valid for Listed Formations Only): The period None Depin 1 MISSISSIPPI LIABE 10428 6 7 3 3 0 0 8 6 7 3 5 100 Special Orders: 201607571 201607572 201607572 Pending CDR Numbers: 201507579 Carato Exception Orders: Encreased Density Orders: 201607572 201607572 Pending CDR Numbers: 201507579 Special Orders: Depth to base of Treastable Water Beasing FM: 80 0 Linder Federal Jurisdiction: No Pender Supply Well Delite: No Special Orders: Yes The of Philosystem: CLOSED Cloand System Maana Steel Pits D.One tine land application - (REDUIRES PERMIT) < | | FEET FROM QUARTER: FROM | SOUTH FROM | | | |
| Name: DEVON ENERGY PRODUCTION CO LP 333 W SHERIDAN AVE OKLAHOMA CITY, OK 73102-5015 THE LIFE ESTATE OF KAREN RING 1209 CANTEBURRY DRIVE YUKON OK 73099 Formation(s) (Permit Valid for Listed Formations Only): Name Depth Name Depth 1 MississipPriAN (LESS CHESTER) 10423 5 2 MississipPriAN (LESS CHESTER) 10423 5 3 3 10 5 Section Orders: Section Enception Orders: Increased Density Orders: 201807571 201807572 Special Orders: 201807579 Special Orders: 201807580 Total Depth: 201807579 201807590 Surface Casing: 1999 Under Federal Juritidation: No Freah Water Supply Well Drilled: Vital Depth: 21228 Ground Elevation: 1525 Under Federal Juritidation: No Freah Water Supply Well Drilled: No Surface Water Water Based Distribute Area. Castery of Pit's 2 Does the land application - (REQUIRES PERMIT) PERMIT NO: 18 Homode Mater Order Orders: No No Heet Method Distribute Area. Castery of Pit's 2 N No No Vehichel Drivelogonally Sensitive Area. Castery of Pit's 2 No Castery of Pit's 2 | Lease Name: CHARMA 12_1-15N-11W | Well No: | 5HX | N | /ell will be 270 feet from nea | rest unit or lease boundary. |
| 333 W SHERIDAN AVE OK 73102-5015 OKLAHOMA CITY, OK 73102-5015 Formation(s) (Permit Valid for Listed Formations Only): Name Depth 1 MississerPLAN (LESS CHESTER) 2 | | O LP | Telephone: 40 | 52353611; 4052353 | OTC/OCC Number: | 20751 0 |
| OKLAHOMA CITY, OK 73102-5015 1209 CANTEBURRY DRIVE YUKON OK 73099 Formation(s) (Permit Valid for Listed Formations Only): Name Depth Name 1 Mississippiani (Liss CHESTER) 10428 6 2 Mississippiani (Liss CHESTER) 10428 6 3 9 10 5 Spacing Orders: 5 201807571 201807580 Location Exception Orders: Increased Density Orders: 201807572 Pending CD Numbers: 201807589 Special Orders: 201807572 Total Depth: 21236 Ground Elevation: 1525 Surface Casing: 1999 Depth to base of Treatable Water-Bearing FM: 80 Under Federal Jurisdiction: No Fresh Water Supply Weil Drillet: No Surface Water used to Drill: Yes PIT 1 INFORMATION Approved Method for disposal of Drilling Fluidat: PIC MIT ND: 16 D. One time land application (REQUIRES PERMIT) PERMIT ND: 16 Chindrade Mate: 2000 Average: 5000 H. SEE MEMO I. SEE MEMO I. SEE MEMO Is depth to top of ground water greater than 10th below base of pit? Y < | | Р | | THE LIFE ES | TATE OF KAREN RING | |
| YUKON OK 73099 Formation(s) (Permit Valid for Listed Formations Only): Name Depth Depth Depth Name Depth Depth<!--</td--><td></td><td></td><td></td><td>1209 CANTE</td><td>BURRY DRIVE</td><td></td> | | | | 1209 CANTE | BURRY DRIVE | |
| Name Depth Name Depth 1 MISSISSIPPIAN (LESS CHESTER) 10428 6 2 MISSISSIPPIAN (LESS CHESTER) 10428 6 2 MISSISSIPPIAL (LESS CHESTER) 10906 7 3 8 8 4 9 5 10 Specing Orders: 5 201807579 201807579 201807579 Special Orders: 201807580 Corden Exception Orders: 1 Total Depth: 21238 Ground Elevation: 1525 Mude Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes PT 1 INFORMATION Approved Method for disposal of Drilling Fluids: Type of Ph System: UASTER BASED D. One time land application (REQUIRES PERMIT) PERMIT NO: 18 Choirdes Max: 8000 Average: 5000 4 SEE MEMO 4 Idepth to for of ground water well? N H SEE MEMO Welthead renderin a Hydrologically Sensitive Area. E E Category of Ph: C C C Category OF Ph: C C C | OKLAHOMA CITY, OK | 73102-5015 | | YUKON | ОК | 73099 |
| 201807580 Total Depth: 21236 Ground Elevation: 1525 Surface Casing: 1999 Depth to base of Treatable Water-Bearing FM: 80 Under Federal Jurisdiction: No Surface Water used to Drill: Yes PIT 1 INFORMATION Approved Method for disposal of Drilling Fluids: Type of Pit System: CLOSED Closed System Means Steel Pits Type of Mud System: WATER BASED Chorides Max: 8000 Average: 5000 D. One time land application – (REQUIRES PERMIT) Is depth to top of ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area. Category of Pit: C Liner not required for Category: C | 4 5 Spacing Orders: ⁵⁸⁸²⁰² | Location Exception | 9 10 | | Increased Density Orders | |
| Total Depth: 2123 Ground Elevation: 1525 Surface Casing: 1999 Depth to base of Treatable Water-Bearing FM: 80 Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes PIT 1 INFORMATION Approved Method for disposal of Drilling Fluids: Type of Pit System: CLOSED Closed System Means Steel Pits D. One time land application - (REQUIRES PERMIT) Type of Mud System: WATER BASED D. One time land application - (REQUIRES PERMIT) Chorides Max: 8000 Average: 5000 H. SEE MEMO Is depth to top of ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area. Category of Pit: C Liner not required for Category: C | ů. | | | | Special Orders: | |
| PIT 1 INFORMATION Type of Pit System: CLOSED Closed System Means Steel Pits Type of Mud System: WATER BASED Chlorides Max: 8000 Average: 5000 Is depth to top of ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area. Category of Pit: C Liner not required for Category: C | Total Depth: 21236 Ground Elevation: 15 | 25 Surface | Casing: 1999 | | Depth to base of Treatable Wa | ter-Bearing FM: 80 |
| Type of Pit System: CLOSED Closed System Means Steel Pits Type of Mud System: WATER BASED D. One time land application (REQUIRES PERMIT) Chlorides Max: 8000 Average: 5000 H. SEE MEMO Is depth to top of ground water greater than 10ft below base of pit? Y Y Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area. Category of Pit: C Liner not required for Category: C | Under Federal Jurisdiction: No | Fresh Water | r Supply Well Drilled: | No | Surface Wate | r used to Drill: Yes |
| Type of Mud System: WATER BASED D. One time land application (REQUIRES PERMIT) PERMIT NO: 18 Chlorides Max: 8000 Average: 5000 H. SEE MEMO H. SEE MEMO Is depth to top of ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N H. SEE MEMO Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area. Category of Pit: C Liner not required for Category: C Liner not required for Category: C Liner not required for Category: C Liner not required for Category: C | PIT 1 INFORMATION | | App | roved Method for dispo | osal of Drilling Fluids: | |
| Chlorides Max: 8000 Average: 5000 H. SEE MEMO Is depth to top of ground water greater than 10ft below base of pit? Y H. SEE MEMO Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area. Category of Pit: C Liner not required for Category: C Liner Not required for Category: C | Type of Pit System: CLOSED Closed System Means S | Steel Pits | | | | |
| Is depth to top of ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area. Category of Pit: C Liner not required for Category: C | Type of Mud System: WATER BASED | | D. | One time land applicat | ion (REQUIRES PERMIT) | PERMIT NO: 18-3558 |
| Category of Pit: C Liner not required for Category: C | Is depth to top of ground water greater than 10ft below ba Within 1 mile of municipal water well? N | ise of pit? Y | H. | SEE MEMO | | |
| Liner not required for Category: C | | | | | | |
| | Category of Pit: C | | | | | |
| Pit Location is AP/TE DEPOSIT | | | | | | |
| Pit Location Formation: TERRACE | | | | | | |

PIT 2 INFORMATION Type of Pit System: CLOSED Closed System Means Steel Pits Type of Mud System: OIL BASED Chlorides Max: 300000 Average: 200000 Is depth to top of ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area. Category of Pit: C Liner not required for Category: C

 Pit Location is
 AP/TE DEPOSIT

 Pit Location Formation:
 TERRACE

HORIZONTAL HOLE 1

| Sec | 01 | Twp | 15N | Rge | 11W | С | ounty | BLAINE |
|---|-----------|---------|------|--------|----------|------|-------|--------|
| Spot Location of End Point: NW NW NE NE | | | | | NE | | | |
| Feet | From: | NOF | RTH | 1/4 Se | ction Li | ne: | 50 | |
| Feet | From: | EAS | т | 1/4 Se | ction Li | ine: | 11 | 40 |
| Depth | n of Dev | iation: | 1061 | 5 | | | | |
| Radiu | is of Tui | m: 47 | 7 | | | | | |
| Direction: 352 | | | | | | | | |
| Total Length: 9871 | | | | | | | | |
| Measured Total Depth: 21236 | | | | | | | | |
| True Vertical Depth: 11508 | | | | | | | | |
| End Point Location from Lease, | | | | | | | | |
| Unit, or Property Line: 50 | | | | | | | | |
| | | | | | | | | |

| Notes: | |
|-------------------------------|--|
| Category | Description |
| DEEP SURFACE CASING | 10/31/2018 - GA8 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING |
| HYDRAULIC FRACTURING | 10/31/2018 - GA8 - OCC 165:10-3-10 REQUIRES: |
| | 1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE; |
| | 2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND, |
| | 3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG |
| INCREASED DENSITY - 201807571 | 11/7/2018 - G56 - 12-15N-11W X588202 MSSLM 4 WELLS DEVON ENERGY PROD. CO., L.P. REC 10/15/2018 (M PORTER) |
| INTERMEDIATE CASING | 10/31/2018 - GA8 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER- PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES |

011 24121 CHARMA 12_1-15N-11W 5HX

| Category | Description |
|------------------------|--|
| MEMO | 10/31/2018 - GA8 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT |
| PENDING CD - 201807579 | 11/7/2018 - G56 - (I.O.) 12 & 1-15N-11W ESTABLISH MULTIUNIT HORIZONTAL WELL X588202 MSSLM, OTHERS X660423 MSNLC, OTHERS 50% 12-15N-11W 50% 1-15N-11W DEVON ENERGY PROD. CO., L.P. REC 10/15/2018 (M PORTER) |
| PENDING CD - 201807580 | 11/7/2018 - G56 - (I.O.) 12 & 1-15N-11W X588202 MSSLM, OTHERS X660423 MSNLC, OTHERS X165:10-3-28(C)(2)(B) MSSLM MAY BE CLOSER THAN 600' FROM THE SUNDOWN 12-4AH AND/OR PROPOSED WELLS COMPL INT (12-15N-11W) NCT 165' FSL, NCT 0' FNL, NCT 660' FEL COMPL INT (1-15N-9W) NCT 0' FSL, NCT 165' FNL, NCT 660' FEL DEVON ENERGY PROD. CO., L.P. REC 10/15/2018 (M PORTER) |
| SPACING - 588202 | 11/7/2018 - G56 - (640) 12-15N-11W EXT 581931 MSSLM, OTHERS |
| SPACING - 660423 | 11/7/2018 - G56 - (640)(HOR) 1-15N-11W EXT 652593 MSNLC, OTHERS COMPL INT NCT 660' FB MSNLC (COEXIST WITH NON HOR SP UNITS) |

