| API NUMBER: 073 26262 orizontal Hole Oil & Gas WELL LOCATION: Sec: 19 Twp: 17N Rge: SPOT LOCATION: NW SW SE SE Lease Name: HELEN Operator NEWFIELD EXPLORATION MI | OIL & GAS CONS P.O. I OKLAHOMA C (Rule PERM : 8W County: KINGFISHER FEET FROM QUARTER: FROM SOUTH SECTION LINES: 340 Well No: 1708 4H | ORATION COMMISSION SERVATION DIVISION BOX 52000 BOX 52000 BOX 52000 ITY, OK 73152-2000 165:10-3-1) IT TO DRILL FROM FROM EAST 1200 14-30X bohone: 2816742521; 9188781 | Approval Date: 09/21/2018 Expiration Date: 03/21/2020 Vell will be 340 feet from nearest unit or lease boundary. OTC/OCC Number: 20944 0 |
|---|---|---|--|
| Name: NEWFIELD EXPLORATION MID-CO 24 WATERWAY AVE STE 900 THE WOODLANDS, TX | DN INC | ANN AMME 540 NW 48T OKLAHOMA | H ST. |
| Formation(s) (Permit Valid for Listed Name 1 MISSISSIPPIAN 2 WOODFORD 3 4 5 | Formations Only): Depth 8379 8948 | Name 6 7 8 9 10 | Depth |
| Spacing Orders: 646834 Pending CD Numbers: 201805407 201805408 201805419 201805413 201805414 | Location Exception Orders: | | Increased Density Orders: Special Orders: |
| Total Depth: 19185 Ground Elevation | : 1113 Surface Casing | : 1500 | Depth to base of Treatable Water-Bearing FM: 260 |
| Under Federal Jurisdiction: No PIT 1 INFORMATION Type of Pit System: CLOSED Closed System Mea Type of Mud System: WATER BASED Chlorides Max: 5000 Average: 3000 | Fresh Water Supply V ans Steel Pits | Approved Method for disp D. One time land applica | Surface Water used to Drill: No osal of Drilling Fluids: tion (REQUIRES PERMIT) PERMIT NO: 18-35342 tf facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498 |
| Is depth to top of ground water greater than 10ft belo Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Are Category of Pit: C Liner not required for Category: C Pit Location is BED AQUIFER Pit Location Formation: CEDAR HILLS | | H. SEE MEMO | |

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 BED AQUIFER Pit Location Formation: CEDAR HILLS

HORIZONTAL HOLE 1

| Sec | 31 | Twp | 17N | Rge | 8W | С | ounty | KINGFISHER |
|--------------------------------|---------|-------|--------|--------|----------|-----|-------|------------|
| Spot L | ocation | of En | d Poin | t: SI | E SI | N | SW | SE |
| Feet F | rom: | SOL | JTH | 1/4 Se | ction Li | ne: | 85 | |
| Feet F | rom: | EAS | т | 1/4 Se | ction Li | ne: | 22 | 00 |
| Depth of Deviation: 8286 | | | | | | | | |
| Radius of Turn: 382 | | | | | | | | |
| Direction: 190 | | | | | | | | |
| Total Length: 10298 | | | | | | | | |
| Measured Total Depth: 19185 | | | | | | | | |
| True Vertical Depth: 8948 | | | | | | | | |
| End Point Location from Lease, | | | | | | | | |
| Unit, or Property Line: 85 | | | | | | | | |
| | | | | | | | | |

| | | | · · · · · · | |
|----------------------|---|---|-------------------------|--|
| | SUE JOHNSON | 4946 EAGLE CREST ROAD | BIRMINGHAM, AL 35242 | |
| | KAY BREZNY | 2704 ELMHURST | OKLAHOMA CITY, OK 73120 | |
| | DON GRUNTMEIR | 13621 E. 860 RD | KINGFISHER, OK 73762 | |
| | | | | |
| Notes: | | | | |
| Category | Description | | | |
| DEEP SURFACE CASING | | D; NOTIFY OCC FIELD INSPECTOR IMME TO CIRCULATE CEMENT TO SURFACE | | |
| HYDRAULIC FRACTURING | 9/12/2018 - G71 - OCC 165:10-3-10 REQUIRES: | | | |
| | WELLS, NOTICE GIVEN FIV | ENT OF HYDRAULIC FRACTURING OPEI E BUSINESS DAYS IN ADVANCE TO OFF E SAME COMMON SOURCE OF SUPPLY | SET OPERATORS WITH | |
| | WELLS TO BOTH THE OCC | EN 48 HOURS IN ADVANCE OF HYDRAUL CENTRAL OFFICE AND LOCAL DISTRIC IND AT THE FOLLOWING LINK: RMS.HTML; AND, | | |
| | TO BE REPORTED TO FRAG | SURE OF HYDRAULIC FRACTURING INGI CFOCUS WITHIN 60 DAYS AFTER THE CO OPERATIONS, USING THE FOLLOWING I | ONCLUSION THE | |
| INTERMEDIATE CASING | PRESSURED ZONE IN THE | HE KNOWN POTENTIAL RISK OF ENCOU MORROW SERIES IN THIS AREA, THE T N INTERMEDIATE STRING OF CASING IN | ECHNICAL MANAGER | |

Address

Additional Surface Owner

073 26262 HELEN 1708 4H-30X

City, State, Zip

| Category | Description |
|------------------------|---|
| MEMO | 9/12/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM/CUTTINGS & OBM CUTTINGS CAPTURED IN STEEL HALF PITS, WBM CUTTINGS WILL BE SOIL FARMED, WBM & OBM CUTTINGS TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO, PIT 2 - OBM TO VENDOR |
| PENDING CD - 201805407 | 9/19/2018 - G57 - 30-17N-8W X646834 MSSP 5 WELLS NO OP. NAMED REC 8-7-2018 (P. PORTER) |
| PENDING CD - 201805408 | 9/19/2018 - G57 - 31-17N-8W X646834 MSSP 5 WELLS NO OP. NAMED REC 8-7-2018 (P. PORTER) |
| PENDING CD - 201805413 | 9/19/2018 - G57 - (I.O.) 30 & 31-17N-8W EST MULTIUNIT HORIZONTAL WELL X646834 MSSP, WDFD (WDFD IS AN ADJACENT COMMON SOURCE OF SUPPLY TO THE MSSP) 50% 30-17N-8W 50% 31-17N-8W NEWFIELD EXPLORATION MID-CONTINENT INC. REC 8-7-2018 (P. PORTER) |
| PENDING CD - 201805414 | 9/19/2018 - G57 - (I.O.) 30 & 31-17N-8W X646834 MSSP, WDFD SHL SE4 31-17N-8W** COMPL. INT. (31-17N-8W) NCT 165' FSL, NCT 0' FNL, NCT 1980' FEL COMPL. INT. (30-17N-8W) NCT 0' FSL, NCT 165' FNL, NCT 1980' FEL NO OP. NAMED REC 8-7-2018 (P. PORTER) |
| | **S/B SHL 340' FSL, 1200' FEL 19-17N-8W & DIRECTION OF LATERAL FROM N-S; WILL BE CORRECTED AT THE HEARING FOR THE FINAL ORDER PER OPERATOR |
| PENDING CD - 201805419 | 9/19/2018 - G57 - (I.O.) 30 & 31-17N-8W X165:10-3-28(C)(2)(B) MSSP, WDFD (HELEN 1708 4H-30X) MAY BE CLOSER THAN 600' TO THE HELEN 1H-30X & PROPOSED HORIZONTAL WELL NEWFIELD EXPLORATION MID-CONTINENT INC. REC 8-7-2018 (P. PORTER) |
| SPACING - 646834 | 9/19/2018 - G57 - (640)(HOR) 30 & 31-17N-8W EXT 639736 MSSP EXT 644685 WDFD POE TO BHL (MSSP) NLT 660' FB POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST W/ SP. ORDER 143434/168065 MNNG, ORDER 143505/168065 MSSLM 30-17N-8W) (COEXIST W/ SP. ORDER 143434 MNNG S2 & NW4, ORDER 143434/213918 MNNG NE4, ORDER 143505 S2 & NW4 MSSLM, ORDER 143505/213918 NE4, 209749 CRLMN NW4, ORDER 212530 CRLMN SW4, ORDER 213918 CRLM NE4, ORDER 504686 CRLM SE4 31-17N-8W) |

