| Name: DEVON ENERGY PRODUCTION CO LP 333 W SHERIDAN AVE DEC 34.428 OKLAHOMA CITY, OK 73102-5010 STEVE AND GLENNIS PAIGE BLACK 10516 PRAIRIE LANE OKLAHOMA CITY OK 73162 Formation(s) (Permit Valid for Listed Formations Only): Name Depth Name Depth 1 MISSISPIAN 5419 6 0 2 WOODFORD 5739 7 3 MISENER-HUNTON 5750 8 4 9 10 5 5 Location Exception Orders: 622464 Pending CD Numbers: Exception Orders: 622464 Charler Federal Jurisdiction: No Surface Casing: 450 Depth to base of Treatable Water-Bearing FM: 1 Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Y Print INFORMATION Preved Method for disposal of Drilling Fluids: D. One time land application (REQUIRES PERMIT) PERMIT I Type of this bysen: WATER PASED D. One time land application (REQUIRES PERMIT) PERMIT I State Ord areage: sto00 Inder water well? N N PERMIT I Wathere Arbeection Area? N N N PERMIT I | | | Approval Date: Expiration Date: | N | N COMMISSIC ION DIVISION 00 73152-2000 -1) | | 24297 Oil & Gas | 083 | API NUMBER: | | |
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| SPOT LOCATION: NW SE SE rest rest rest rest rest rest rest rest | | | | | RILL | ERMIT TO D | <u>F</u> | | | | |
| SPOT LOCATION: INV ISE Image: PERFINAL ALLER PERFINAL ALLER PERFINAL ALLER PERFINAL ALLER PERFINAL | | | | | | | | | | | |
| State Att But Att But Att But Att But Development Att Development Att Development Development Bevelopment Bevelopment Bevelopment Development Bevelopment Development Bevelopment Bevelopment Bevelopment Bevelopment Bevelopment Bevelopment Bevelopment Bevelopment Bevelopmen | | | | | | | County: LOGAN | Rge: 3W | 14 Twp: 19N F | N: Sec: | WELL LOCATIO |
| rowspace rowspace rowspace rowspace rowspace rowspace rowspace rowspace rowspace rowspace rowspace rowspace rowspace rowspace rowspace rowsp | | | | | EAST | OUTH FROM | | | SE SE | N: NW | SPOT LOCATIO |
| Operation DEVON ENERGY PRODUCTION CO LP 333 W SHERIDAN AVE DEC 34.428 STEVE AND GLENNIS PAIGE BLACK 10516 PRAIRE LANE 0K 73162 DEVON ENERGY PRODUCTION CO LP 333 W SHERIDAN AVE DEC 34.428 0K 73102-5010 STEVE AND GLENNIS PAIGE BLACK 10516 PRAIRE LANE 0K 73162 Formation(s) (Permit Valid for Listed Formations Only): Name Depth Name Depth 1 MISSISSIPPIAN 519 7 3 3 SISSISPIAN 5419 6 2 WOODFORD 5739 7 3 9 10 5 Searing Ordere: 605895 Location Exception Orders: 622606 10 5 62404 Pending CD Numbers: 5 100 Surface Casing: 450 Depth to base of Treatable Water-Bearing FM: 100 5 Under Federal Juridiation: No Fresh Water Supply Well Drillet: No Surface Water used to Drill Y Y PHT 1 INFORMATION Fresh Water Supply Well Drillet: No Surface Water used to Drill Y Y Year of Na System: (LOSED Closed System Means Steel Plus D.One time land application - (REQUIRES PERMIT) PERMIT 1 | | | | | 590 | 31 | N LINES: 4 | SECTION L | | | |
| Name: Display and address of the second se | boundary. | arest unit or lease bo | 431 feet from nearest | Well will be | | WH | Well No: | | ONS 23-19N-3W | : LEMMO | Lease Name |
| 333 W SHERIDAN AVE DEC 34.428 STEVE AND GLENNIS PAIGE BLACK 0KLAHOMA CITY, 0K 1 MISSISPIAN 5 5 1 MISSISPIAN 5 10 Special Orders: 52266 Increased Density Orders: 622404 Pending CD Numbers: Special Orders: Total Depth: 11027 Group Elevation: 1090 Surface Casing: | I | r: 20751 0 | OTC/OCC Number: | | 52353611; 4052353 | Telephone: 4 | | DUCTION CO LP | VON ENERGY PRODUC | DE | |
| OKLAHOMA CITY, OK 73102-5010 OKLAHOMA CITY OK 73162 Formation(s) (Permit Valid for Listed Formations Only): Name Depth Name Depth 1 MISSISSIPPIAN 5419 6 2 WOODFORD 5739 7 3 MISENER-HUNTON 5750 8 9 5 10 Special Orders: 605895 Location Exception Orders: 622566 Increased Density Orders: 622404 Pending CD Numbers: Coround Elevation: 1090 Surface Casing: 450 Depth to base of Treatable Water-Bearing FM: 100 Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Year Of Numbers: Year Of Mud System: WATER BASED D. One time land application (REQUIRES PERMIT) PERMIT I Type of Mud System: WATER BASED D. One time land application (REQUIRES PERMIT) PERMIT I PERMIT I Vehina 1 mile of municipal water well? N N N SEE MEMO Is depth to top of ground water greater than 10th below base of pit? Y Y Y Wellhad Protection Area? N N N SEE MEMO Is depth to top of ground wa | | | PAIGE BLACK | | - | | | | | | |
| OKLAHOMA CITY OK 73162 Formation(s) (Permit Valid for Listed Formations Only): Image: Construction of the system of | | | | IRIE LANE | 10516 PRA | | 2-5010 | OK 73102- | ITY. | ОМА С | OKLAH |
| Name Depth Name Depth 1 MISSISSIPPIAN 5419 6 2 WOODFORD 5739 7 3 MISENER-HUNTON 5750 8 4 9 5 10 Spacing Orders: 605895 Location Exception Orders: 622566 Increased Density Orders: 622404 Pending CD Numbers: Cocation Exception Orders: 622566 Increased Density Orders: 622404 Vending CD Numbers: Special Orders: Special Orders: 622404 Vinder Federal Jurisdiction: No Fresh Water Supply Well Drillet: No Vinder Federal Jurisdiction: No Fresh Water Supply Well Drillet: No Vinder Federal Jurisdiction: No Fresh Water Supply Well Drillet: No Vipp of Pit System: CLOSED Closed System Means Steel Pits D. One time land application (REQUIRES PERMIT) PERMIT I Choirides Max: 5000 Average: 3000 H: SEE MEMO | | 73162 | OK 731 | A CITY | OKLAHOM | | _ 0010 | 0.1 .0.02 | , | 0 | 0.12.11 |
| Opecing Orders. Excention Exception Orders. 022404 Pending CD Numbers: Special Orders: Special Orders: Total Depth: 11027 Ground Elevation: 1090 Surface Casing: 450 Depth to base of Treatable Water-Bearing FM: : Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Y 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) PERMIT I Chlorides Max: 5000 Average: 3000 H. SEE MEMO 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. Pit | | | | | | 8 9 | | | | | 3 4 |
| Total Depth: 11027 Ground Elevation: 1090 Surface Casing: 450 Depth to base of Treatable Water-Bearing FM: 1000 Under Federal Jurisdiction: No Surface Water used to Drill: Y 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 Chlorides Max: 5000 Average: 3000 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 Pit is located in a Hydrologically Sensitive Area. | | s: 622404 | reased Density Orders: 6 | Inc | | ders: 622566 | Location Exception O | | 95 | 60589 | Spacing Orders: |
| Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Y 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) PERMIT ID Chlorides Max: 5000 Average: 3000 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 Pit is located in a Hydrologically Sensitive Area. | | | ecial Orders: | Sp | | | | | | mbers: | Pending CD Nu |
| 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) Chlorides Max: 5000 Average: 3000 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 Pit is located in a Hydrologically Sensitive Area. | 360 | ater-Bearing FM: 360 | base of Treatable Water-B | Depth t | | asing: 450 | Surface C | levation: 1090 | Ground Eleva | 11027 | Total Depth: |
| 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: 5000 Average: 3000 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. | 'es | er used to Drill: Yes | Surface Water use | | No | upply Well Drilled | Fresh Water S | | ction: No | al Jurisdic | Under Feder |
| Type of Mud System: WATER BASED D. One time land application (REQUIRES PERMIT) PERMIT I Chlorides Max: 5000 Average: 3000 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 Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area. | | | Fluids: | sposal of Drilling | roved Method for di | Ap | | | | 1ATION | PIT 1 INFORM |
| Chlorides Max: 5000 Average: 3000 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. | | | | | | | \$ | em Means Steel Pits | OSED Closed System | | |
| 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. | NO: 14-2680 | PERMIT NO: | IRES PERMIT) | cation (REQU | One time land appli | C | | | WATER BASED | ystem: | Type of Mud S |
| Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area. | | | | | SEE MEMO | F | | | verage: 3000 | :5000 Av | Chlorides Max: |
| Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area. | | | | | | _ | ? Y | Oft below base of pit? | | | |
| Pit is located in a Hydrologically Sensitive Area. | | | | | | | | | | | |
| | | | | | | | | tive Arec | | | |
| Cotogory of Dity C | | | | | | | | tive Area. | Hydrologically Sensitive | | |
| Category of Pit: C | | | | | | | | | Catagory: C | | • • |
| Liner not required for Category: C Pit Location is BED AQUIFER | | | | | | | | | | | |
| Pit Location is BED AQUIFER Pit Location Formation: GARBER | | | | | | | | | | | |

 PIT 2 INFORMATION

 Type of Pit System:
 CLOSED Closed System Means Steel Pits

 Type of Mud System:
 OIL BASED

 Chlorides Max:
 325000 Average:
 250000

 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:
 GARBER

HORIZONTAL HOLE 1

| Sec | 23 | Twp | 19N | Rge | 31 | V | County | / | LOGAN |
|-----------------------------------------|-----------------|-----|-------------------|--------|----|----|--------|---|-------|
| Spot Location of End Point: SW SW SE SE | | | | | | SE | | | |
| Feet From: SOUTH | | JTH | 1/4 Se | n Line | e: | 50 | | | |
| Feet | Feet From: EAST | | 1/4 Section Line: | | | e: | 1290 | | |
| Depth of Deviation: 5465 | | | | | | | | | |
| Radius of Turn: 358 | | | | | | | | | |
| Direction: 178 | | | | | | | | | |
| Total Length: 5252 | | | | | | | | | |
| Measured Total Depth: 11027 | | | | | | | | | |
| True Vertical Depth: 5815 | | | | | | | | | |
| End Point Location from Lease, | | | | | | | | | |
| Unit, or Property Line: 50 | | | | | | | | | |

| Notes: | |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Category | Description |
| INCREASED DENSITY - 622404 | 5/7/2014 - G72 - 23-19N-3W X 605895 MSSP, WDFD, MSRH; 3 WELLS; NO OPER NAMED; 3/10/2014 |
| LOCATION EXCEPTION - 622566 | 5/7/2014 - G72 - 23-19N-3W I.O. X 605895 MSSP, WDFD, MSRH, SLVN; POE NCT 0 FNL, NCT 660 FEL 1ST PERF NCT 150 FNL, NCT 660 FEL LAST PERF NCT 150 FSL, NCT 660 FEL BHL NCT 0 FSL, NCT 660 FEL; NO OPER NAMED; 3/12/2014 |
| MEMO | 5/5/2014 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT |
| SPACING - 605895 | 5/7/2014 - G72 - (640) HORZ 23-19N-3W EXT 601235 MSSP, WDFD, MSRH, SLVN; POE TO BHL (MSSP, MSRH) NLT 660' FB, NCT 600' FWB POE TO BHL (WDFD) NLT 330' FB, NCT 600' FWB (SUPERSEDE NON-PRODUCING NON-HORIZONTAL SPACING UNITS; COEXIST WITH |

PRODUCING NON-HORIZONTAL SPACING UNITS)