

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.**5. Lease Serial No.  
NMNM0405444

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
MALDIVES 15-22 FED COM 521H9. API Well No.  
30-015-45385-00-X110. Field and Pool or Exploratory Area  
JAMES RANCH11. County or Parish, State  
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

DEVON ENERGY PRODUCTION COMPANY

Contact: JENNIFER HARMS

E-Mail: jennifer.harms@dvn.com

3a. Address

333 WEST SHERIDAN AVENUE  
OKLAHOMA, OK 73102

3b. Phone No. (include area code)

Ph: 405-552-6560

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 15 T23S R31E NWNW 400FNL 510FWL  
32.310638 N Lat, 103.772385 W Lon**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

| TYPE OF SUBMISSION                                   | TYPE OF ACTION                                |                                               |                                                    |                                           |
|------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|----------------------------------------------------|-------------------------------------------|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen               | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off   |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Hydraulic Fracturing | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity   |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction     | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other |
|                                                      | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon     | <input type="checkbox"/> Temporarily Abandon       | Change to Original A                      |
|                                                      | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back            | <input type="checkbox"/> Water Disposal            | PD                                        |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Devon Energy Production Co., L. P. (Devon) respectfully requests to change the plans for the above referenced well as originally approved on 10-25-2018.

The SHL is currently permitted as 400 FNL, 510 FWL 15-23S-31E, and will change to 400 FNL, 780 FWL, 15-23S-31E.

✓ The BHL is currently permitted as 2350 FNL, 350 FWL, 22-23S-31E and will change to 2050 FNL, 480 FWL, 27-23S-31E. The last take point will be 315 FSL, 480 FWL, 27-23S-31E. ✓

The federal lease numbers the lateral will be passing through are as follows:

NMNM0405444, NMNM0405444A, NMNM0418220A.

The permitted well name is MALDIVES 15-22 FED COM 521H and will change to MALDIVES 15-27 FED COM 231H. ✓

Please find attached the revised plats, drilling plan, directional plan. Thank you.

-Engineering Review by Long V 3/26/2019  
-NPS JB 3-26-19 USE Existing COA'S

Carlsbad Field Office

OCD Artesia

RECEIVED

not Done yet, 8/22/19 RWR  
APR 01 2019

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #458273 verified by the BLM Well Information System  
For DEVON ENERGY PRODUCTION COMPANY, sent to the Carlsbad  
Committed to AFMSS for processing by PRISCILLA PEREZ on 03/19/2019 (19PP1396SE)

Name (Printed/Typed) JENNIFER HARMS

Title REGULATORY COMPLIANCE ANALYST

Signature

(Electronic Submission)

Date 03/18/2019

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***Need to Change 8/22/19  
Well Name

RWR 8-5-19

# PECOS DISTRICT

## DRILLING CONDITIONS OF APPROVAL

|                              |                                    |
|------------------------------|------------------------------------|
| <b>OPERATOR'S NAME:</b>      | DEVON ENERGY PRODUCTION COMPANY LP |
| <b>LEASE NO.:</b>            | NMNM0405444                        |
| <b>WELL NAME &amp; NO.:</b>  | 231H- MALDIVES 15-27 FED COM       |
| <b>SURFACE HOLE FOOTAGE:</b> | 400'/N & 510'/W                    |
| <b>BOTTOM HOLE FOOTAGE:</b>  | 2350'/N & 350'/W                   |
| <b>LOCATION:</b>             | Section.15.,T23S., R.31E., NMP     |
| <b>COUNTY:</b>               | EDDY County, New Mexico            |

COA

|                      |                                                  |                                                    |                                       |
|----------------------|--------------------------------------------------|----------------------------------------------------|---------------------------------------|
| H2S                  | <input type="radio"/> Yes                        | <input checked="" type="radio"/> No                |                                       |
| Potash               | <input type="radio"/> None                       | <input checked="" type="radio"/> Secretary         | <input type="radio"/> R-111-P         |
| Cave/Karst Potential | <input checked="" type="radio"/> Low             | <input type="radio"/> Medium                       | <input type="radio"/> High            |
| Variance             | <input type="radio"/> None                       | <input checked="" type="radio"/> Flex Hose         | <input type="radio"/> Other           |
| Wellhead             | <input type="radio"/> Conventional               | <input type="radio"/> Multibowl                    | <input checked="" type="radio"/> Both |
| Other                | <input type="checkbox"/> 4 String Area           | <input type="checkbox"/> Capitan Reef              | <input type="checkbox"/> WIPP         |
| Other                | <input checked="" type="checkbox"/> Fluid Filled | <input checked="" type="checkbox"/> Cement Squeeze | <input type="checkbox"/> Pilot Hole   |
| Special Requirements | <input type="checkbox"/> Water Disposal          | <input checked="" type="checkbox"/> COM            | <input type="checkbox"/> Unit         |

**All Previous COAs Still Apply**

### A. CASING

1. The **13-3/8** inch surface casing shall be set at approximately **604 feet** (a minimum of 25 feet into the Rustler Anhydrite and above the salt) and cemented to the surface.
  - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
  - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **24 hours in the Potash Area** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
  - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
  - d. If cement falls back, remedial cementing will be done prior to drilling out that string.

**Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.**

2. The minimum required fill of cement behind the 9-5/8 inch intermediate casing shall be set at approximately **6000 feet** is:

**Option 1 (Single Stage):**

- Cement to surface. If cement does not circulate see B.1.a, c-d above.  
**Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

**Option 2:**

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
- b. Second stage above DV tool:
  - Cement to surface. If cement does not circulate, contact the appropriate BLM office.  
**Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

**Operator has proposed to pump down 13-3/8" X 9-5/8" annulus. Operator must run a CBL from TD of the 9-5/8" casing to surface. Submit results to BLM.**

3. The minimum required fill of cement behind the 5-1/2 inch production casing is:
  - Cement should tie-back at least **500 feet** into previous casing string.  
Operator shall provide method of verification.  
**Cement excess is less than 25%, more cement might be required.**

## **B. PRESSURE CONTROL**

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
- 2.

### **Option 1:**

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be **5000 (5M)** psi.

### **Option 2:**

1. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
  - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
  - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
  - c. Manufacturer representative shall install the test plug for the initial BOP test.
  - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
  - e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

## GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

☒ Chaves and Roosevelt Counties  
Call the Roswell Field Office, 2909 West Second St., Roswell NM 88201.  
During office hours call (575) 627-0272.  
After office hours call (575)

☒ Eddy County  
Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,  
(575) 361-2822

☒ Lea County  
Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575)  
393-3612

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
  - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
  - b. When the operator proposes to set surface casing with Spudder Rig
    - Notify the BLM when moving in and removing the Spudder Rig.
    - Notify the BLM when moving in the 2<sup>nd</sup> Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
    - BOP/BOPE test to be conducted per Onshore Oil and Gas Order No. 2 as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log.
3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements.
4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
  - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
  - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
  - c. Manufacturer representative shall install the test plug for the initial BOP test.
  - d. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
  - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
  - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the

plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

- b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time.
- c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

## C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

**1. Geologic Formations**

|               |       |                              |     |
|---------------|-------|------------------------------|-----|
| TVD of target | 10330 | Pilot hole depth             | N/A |
| MD at TD:     | 25667 | Deepest expected fresh water |     |

**Basin**

| <b>Formation</b> | <b>Depth<br/>(TVD)<br/>from KB</b> | <b>Water/Mineral<br/>Bearing/Target<br/>Zone?</b> | <b>Hazards*</b> |
|------------------|------------------------------------|---------------------------------------------------|-----------------|
| Rustler          | 549                                |                                                   |                 |
| Salado           | 919                                |                                                   |                 |
| Base of Salt     | 4021                               |                                                   |                 |
| Delaware         | 4249                               |                                                   |                 |
| Bell Canyon      | 4289                               |                                                   |                 |
| Cherry Canyon    | 5169                               |                                                   |                 |
| Brushy Canyon    | 6454                               |                                                   |                 |
| Lower Brushy     | 7829                               |                                                   |                 |
| IBSLM            | 8159                               |                                                   |                 |
| BONE SPRING 2ND  | 9719                               |                                                   |                 |
| BONE SPRING 3RD  | 10997                              |                                                   |                 |
|                  |                                    |                                                   |                 |
|                  |                                    |                                                   |                 |
|                  |                                    |                                                   |                 |
|                  |                                    |                                                   |                 |
|                  |                                    |                                                   |                 |
|                  |                                    |                                                   |                 |
|                  |                                    |                                                   |                 |

\*H2S, water flows, loss of circulation, abnormal pressures, etc.

## 2. Casing Program

| Hole Size                 | Casing Interval |                            | Csg. Size | Wt (PPF) | Grade | Conn | Min SF Collapse | Min SF Burst | Min SF Tension     |
|---------------------------|-----------------|----------------------------|-----------|----------|-------|------|-----------------|--------------|--------------------|
|                           | From            | To                         |           |          |       |      |                 |              |                    |
| 17 1/2                    | 0               | <del>6000</del><br>574 TVD | 13 3/8    | 48.0     | H40   | BTC  | 1.125           | 1.25         | 1.6                |
| 12 1/4                    | 0               | 6000 TVD                   | 9 5/8     | 40.0     | J-55  | BTC  | 1.125           | 1.25         | 1.6                |
| 8 3/4                     | 0               | TD                         | 5 1/2     | 17.0     | P110  | BTC  | 1.125           | 1.25         | 1.6                |
| BLM Minimum Safety Factor |                 |                            |           |          |       |      | 1.125           | 1            | 1.6 Dry<br>1.8 Wet |

- All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 IILB.1.h Must have table for contingency casing.
- Rustler top will be validated via drilling parameters (i.e. reduction in ROP) and surface casing setting depth revised accordingly if needed.
- A variance is requested for collapse rating on intermediate casing. Operator will keep pipe full while running casing.
- Int casing shoe will be selected based on drilling data, gamma, and flows experienced while drilling. Setting depth with be revised accordingly if needed.
- A variance is requested to wave the centralizer requirement for the Intermediate casing and production casing.

|                                                                                                                                                  | Y or N |
|--------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Is casing new? If used, attach certification as required in Onshore Order #1                                                                     | Y      |
| Does casing meet API specifications? If no, attach casing specification sheet.                                                                   | Y      |
| Is premium or uncommon casing planned? If yes attach casing specification sheet.                                                                 | N      |
| Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria). | Y      |
| Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?                | Y      |
| Is well located within Capitan Reef?                                                                                                             | N      |
| If yes, does production casing cement tie back a minimum of 50' above the Reef?                                                                  |        |
| Is well within the designated 4 string boundary.                                                                                                 |        |
| Is well located in SOPA but not in R-111-P?                                                                                                      | N      |
| If yes, are the first 2 strings cemented to surface and 3 <sup>rd</sup> string cement tied back 500' into previous casing?                       |        |
| Is well located in R-111-P and SOPA?                                                                                                             | N      |
| If yes, are the first three strings cemented to surface?                                                                                         |        |
| Is 2 <sup>nd</sup> string set 100' to 600' below the base of salt?                                                                               |        |
| Is well located in high Cave/Karst?                                                                                                              | N      |
| If yes, are there two strings cemented to surface?                                                                                               |        |
| (For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?                                                           |        |
| Is well located in critical Cave/Karst?                                                                                                          | N      |
| If yes, are there three strings cemented to surface?                                                                                             |        |

- In secretary Potash

**3. Cementing Program (3-String Primary Design)**

| Casing                                           | # Sks     | TOC             | Wt (lb/gal) | Yld (ft <sup>3</sup> /sack) | Slurry Description                         |
|--------------------------------------------------|-----------|-----------------|-------------|-----------------------------|--------------------------------------------|
| Surface                                          | 454       | Surf            | 13.2        | 1.4                         | Lead: Class C Cement + additives           |
| Int                                              | 679       | Surf            | 9.0         | 3.3                         | Lead: Class C Cement + additives           |
|                                                  | 154       | 500' above shoe | 13.2        | 1.4                         | Tail: Class H / C + additives              |
| Int 1<br>Two Stage<br>w/ DV @<br>TVD of Delaware | 174       | Surf            | 9.0         | 3.3                         | 1st stage Lead: Class C Cement + additives |
|                                                  | 136       | 500' above shoe | 13.2        | 1.4                         | 1st stage Tail: Class H / C + additives    |
|                                                  | 446       | Surf            | 9.0         | 3.3                         | 2nd stage Lead: Class C Cement + additives |
|                                                  | 136       | 500' above DV   | 13.2        | 1.4                         | 2nd stage Tail: Class H / C + additives    |
| Int 1<br>Intermediate<br>Squeeze                 | As Needed | Surf            | 9.0         | 3.3                         | Squeeze Lead: Class C Cement + additives   |
|                                                  | 679       | Surf            | 9.0         | 3.3                         | Lead: Class C Cement + additives           |
|                                                  | 154       | 500' above shoe | 13.2        | 1.4                         | Tail: Class H / C + additives              |
| Production                                       | 365       | 500' tieback    | 9.0         | 3.3                         | Lead: Class H / C + additives              |
|                                                  | 3066      | KOP             | 13.2        | 1.4                         | Tail: Class H / C + additives              |

If a DV tool is ran the depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. Slurry weights will be adjusted based on estimated fracture gradient of the formation. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above current shoe. If cement is not returned to surface during the primary cement job on the surface casing string, a planned top job will be conducted immediately after completion of the primary job.

| Casing String | % Excess |
|---------------|----------|
| Surface       | 50%      |
| Intermediate  | 30%      |
| Production    | 10%      |

**4. Pressure Control Equipment (Three String Design)**

| BOP installed and tested before drilling which hole? | Size?   | Min. Required WP | Type         | ✓ | Tested to:                    |
|------------------------------------------------------|---------|------------------|--------------|---|-------------------------------|
| Int 1                                                | 13-58"  | 5M               | Annular      | X | 50% of rated working pressure |
|                                                      |         |                  | Blind Ram    | X | 5M                            |
|                                                      |         |                  | Pipe Ram     |   |                               |
|                                                      |         |                  | Double Ram   | X |                               |
|                                                      |         |                  | Other*       |   |                               |
| Production                                           | 13-5/8" | 5M               | Annular      | X | 50% of rated working pressure |
|                                                      |         |                  | Blind Ram    | X | 5M                            |
|                                                      |         |                  | Pipe Ram     |   |                               |
|                                                      |         |                  | Double Ram   | X |                               |
|                                                      |         |                  | Other*       |   |                               |
|                                                      |         |                  | Annular (5M) |   |                               |
|                                                      |         |                  | Blind Ram    |   |                               |
|                                                      |         |                  | Pipe Ram     |   |                               |
|                                                      |         |                  | Double Ram   |   |                               |
|                                                      |         |                  | Other*       |   |                               |

**5. Mud Program (Three String Design)**

| Section      | Type   | Weight (ppg) |
|--------------|--------|--------------|
| Surface      | FW Gel | 8.5-9        |
| Intermediate | Brine  | 10-10.5      |
| Production   | WBM    | 8.5-9        |

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

|                                                         |                             |
|---------------------------------------------------------|-----------------------------|
| What will be used to monitor the loss or gain of fluid? | PVT/Pason/Visual Monitoring |
|---------------------------------------------------------|-----------------------------|

**6. Logging and Testing Procedures**

| Logging, Coring and Testing |                                                                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| X                           | Will run GR/CNL from TD to surface (horizontal well - vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM. |
|                             | No logs are planned based on well control or offset log information.                                                                                        |
|                             | Drill stem test? If yes, explain.                                                                                                                           |
|                             | Coring? If yes, explain.                                                                                                                                    |

| Additional logs planned | Interval          |
|-------------------------|-------------------|
|                         | Resistivity       |
|                         | Density           |
| X                       | CBL               |
| X                       | Mud log           |
|                         | PEX               |
|                         | Production casing |
|                         | KOP to TD         |

**7. Drilling Conditions**

| Condition                  | Specify what type and where? |
|----------------------------|------------------------------|
| BH pressure at deepest TVD | 4834                         |
| Abnormal temperature       | No                           |

Mitigation measure for abnormal conditions. Describe. Lost circulation material/sweeps/mud scavengers.

|                                                                                                                                                                                                                                                                                                                                    |                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Hydrogren Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered measured values and formations will be provided to the BLM. |                    |
| N                                                                                                                                                                                                                                                                                                                                  | H2S is present     |
| Y                                                                                                                                                                                                                                                                                                                                  | H2S plan attached. |

## 8. Other facets of operation

Is this a walking operation? Potentially

- 1 If operator elects, drilling rig will batch drill the surface holes and run/cement surface casing; walking the rig to next wells on the pad.
- 2 The drilling rig will then batch drill the intermediate sections and run/cement intermediate casing; the wellbore will be isolated with a blind flange and pressure gauge installed for monitoring the well before walking to the next well.
- 3 The drilling rig will then batch drill the production hole sections on the wells with OBM, run/cement production casing, and install TA caps or tubing heads for completions.

NOTE: During batch operations the drilling rig will be moved from well to well however, it will not be removed from the pad until all wells have production casing run/cemented.

Will be pre-setting casing? Potentially

- 1 Spudder rig will move in and batch drill surface hole.
  - a. Rig will utilize fresh water based mud to drill surface hole to TD. Solids control will be handled entirely on a closed loop basis.
- 2 After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
- 3 The wellhead will be installed and tested once the surface casing is cut off and the WOC time has been reached.
- 4 A blind flange with the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with a pressure gauge installed on the wellhead.
- 5 Spudder rig operations is expected to take 4-5 days per well on a multi-well pad.
- 6 The NMOCD will be contacted and notified 24 hours prior to commencing spudder rig operations.
- 7 Drilling operations will be performed with drilling rig. At that time an approved BOP stack will be nipped up and tested on the wellhead before drilling operations commences on each well.
  - a. The NMOCD will be contacted / notified 24 hours before the drilling rig moves back on to the pad with the pre-set surface casing.

Attachments

X Directional Plan  
           Other, describe

# Devon Energy

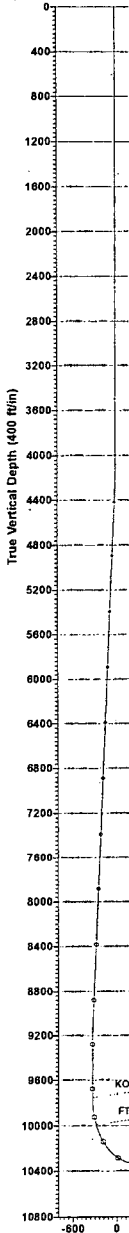
WELL DETAILS: Maldives 15-27 Fed Com 231H

RKB @ 3411.40R  
3387.10

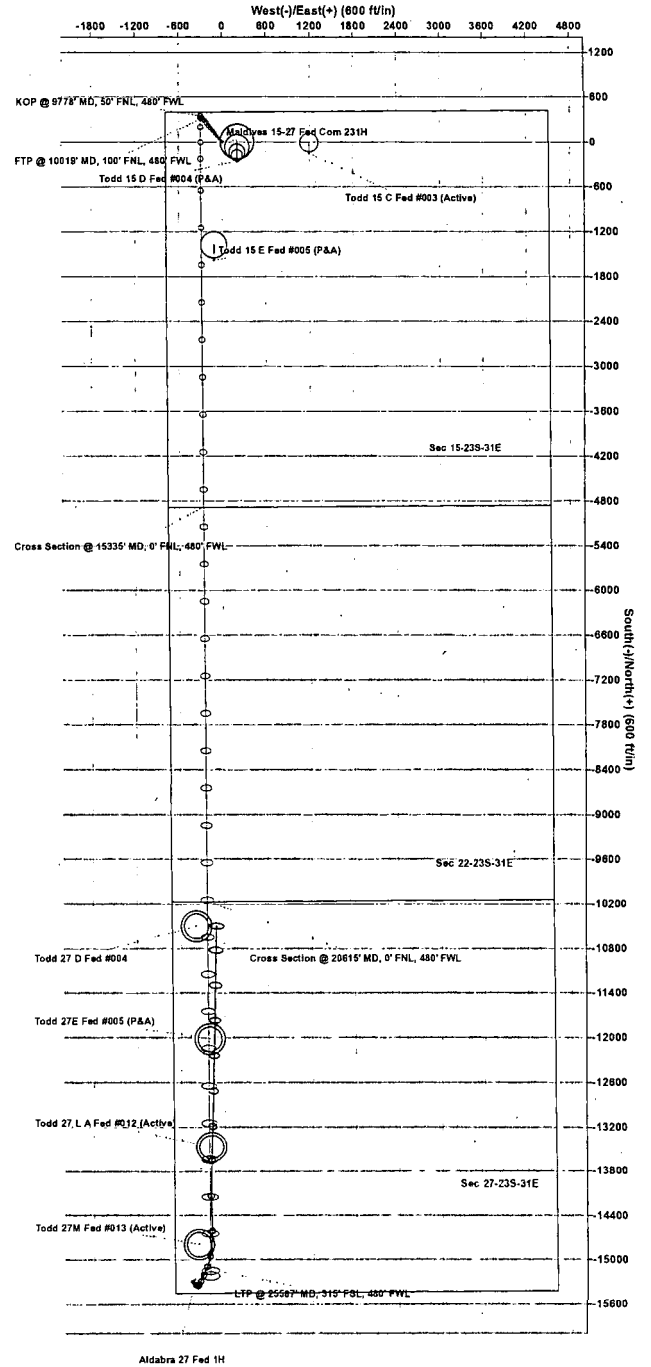
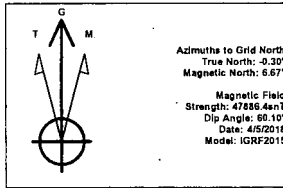
Northing 477197.65 Easting 714846.96 Latitude 32.310640 Longitude -103.771706

## SECTION DETAILS Permit Plan 2

| MD       | Inc   | Azi    | TVD      | +N/-S     | +E/-W   | Dleg  | V Sect   | Annotation                        |
|----------|-------|--------|----------|-----------|---------|-------|----------|-----------------------------------|
| 0.00     | 0.00  | 0.00   | 0.00     | 0.00      | 0.00    | 0.00  | 0.00     |                                   |
| 4000.00  | 0.00  | 0.00   | 4000.00  | 0.00      | 0.00    | 0.00  | 0.00     |                                   |
| 4419.56  | 5.24  | 319.40 | 4418.97  | 14.57     | -12.49  | 1.25  | -13.88   |                                   |
| 9077.95  | 5.24  | 319.40 | 9057.86  | 337.86    | -289.59 | 0.00  | -321.82  |                                   |
| 9427.57  | 0.00  | 0.00   | 9407.00  | 350.00    | -300.00 | 1.50  | -333.38  |                                   |
| 9777.61  | 0.00  | 0.00   | 9757.04  | 350.00    | -300.00 | 0.00  | -333.38  | KOP @ 9778' MD, 50' FNL, 480' FWL |
| 10677.62 | 90.00 | 179.68 | 10330.00 | -222.95   | -296.82 | 10.00 | 238.57   |                                   |
| 25666.80 | 90.00 | 179.68 | 10330.00 | -15211.90 | -213.57 | 0.00  | 15201.41 | PBHL: 235' FSL, 480' FWL          |



# devon



Vertical Section at 183.08° (600 ft/in)

# **WCDSC Permian NM**

**Eddy County (NAD 83 NM Eastern)**

**Sec 15-T23S-R31E**

**Maldives 15-27 Fed Com 231H**

**Wellbore #1**

**Plan: Permit Plan 2**

## **Standard Planning Report - Geographic**

**14 March, 2019**

# Planning Report - Geographic

|           |                                 |                              |                                  |
|-----------|---------------------------------|------------------------------|----------------------------------|
| Database: | EDM r5000.141_Prod US           | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Company:  | WCDSC Permian NM                | TVD Reference:               | RKB @ 3411.40ft                  |
| Project:  | Eddy County (NAD 83 NM Eastern) | MD Reference:                | RKB @ 3411.40ft                  |
| Site:     | Sec 15-T23S-R31E                | North Reference:             | Grid                             |
| Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Wellbore: | Wellbore #1                     |                              |                                  |
| Design:   | Permit Plan 2                   |                              |                                  |

|             |                                 |               |                |
|-------------|---------------------------------|---------------|----------------|
| Project:    | Eddy County (NAD 83 NM Eastern) |               |                |
| Map System: | US State Plane 1983             | System Datum: | Mean Sea Level |
| Geo Datum:  | North American Datum 1983       |               |                |
| Map Zone:   | New Mexico Eastern Zone         |               |                |

|                       |  |           |  |                 |  |                  |  |                   |  |             |  |
|-----------------------|--|-----------|--|-----------------|--|------------------|--|-------------------|--|-------------|--|
| Site                  |  |           |  |                 |  | Sec 15-T23S-R31E |  |                   |  |             |  |
| Site Position:        |  | Northing: |  | 477,592.96 usft |  | Latitude:        |  | 32.311738         |  |             |  |
| From:                 |  | Map       |  | Easting:        |  | 714,064.76 usft  |  | Longitude:        |  | -103.774231 |  |
| Position Uncertainty: |  | 0.00 ft   |  | Slot Radius:    |  | 13-3/16 "        |  | Grid Convergence: |  | 0.30 °      |  |

|                      |                             |         |                     |                 |               |             |
|----------------------|-----------------------------|---------|---------------------|-----------------|---------------|-------------|
| Well:                | Maldives 15-27 Fed Com 231H |         |                     |                 |               |             |
| Well Position        | +N-S                        | 0.00 ft | Northing:           | 477,197.65 usft | Latitude:     | 32.310640   |
|                      | +E-W                        | 0.00 ft | Easting:            | 714,846.96 usft | Longitude:    | -103.771706 |
| Position Uncertainty |                             | 0.50 ft | Wellhead Elevation: |                 | Ground Level: | 3,387.10 ft |

|           |             |             |             |           |                 |
|-----------|-------------|-------------|-------------|-----------|-----------------|
| Wellbore  | Wellbore #1 |             |             |           |                 |
| Magnetics | Model Name  | Sample Date | Declination | Dip Angle | Field Strength  |
|           |             |             | (°)         | (°)       | (nT)            |
|           | IGRF2015    | 4/5/2018    | 6.97        | 60.10     | 47,886.37417499 |

|                   |                  |           |               |           |
|-------------------|------------------|-----------|---------------|-----------|
| Design:           | Permit Plan 2    |           |               |           |
| Audit Notes:      |                  |           |               |           |
| Version:          | Phase:           | PROTOTYPE | Tie On Depth: | 0.00      |
| Vertical Section: | Depth From (TVD) | +N/-S     | +E/-W         | Direction |
|                   | (ft)             | (ft)      | (ft)          | (°)       |
|                   | 0.00             | 0.00      | 0.00          | 183.08    |

|                          |                |                                       |                           |         |
|--------------------------|----------------|---------------------------------------|---------------------------|---------|
| Plan Survey Tool Program | Date 3/14/2019 |                                       |                           |         |
| Depth From               | Depth To       | Survey (Wellbore)                     | Tool Name                 | Remarks |
| (ft)                     | (ft)           |                                       |                           |         |
| 1                        | 0.00           | 25,666.37 Permit Plan 2 (Wellbore #1) | MWD+IFR1+MS               |         |
|                          |                |                                       | OWSG MWD + IFR1 + Multi-S |         |

|               |             |         |           |            |         |             |             |             |        |                      |
|---------------|-------------|---------|-----------|------------|---------|-------------|-------------|-------------|--------|----------------------|
| Plan Sections |             |         |           |            |         |             |             |             |        |                      |
| Measured      | Inclination | Azimuth | Vertical  | +N/-S      | +E/-W   | Dogleg      | Build       | Turn        | TFO    | Target               |
| Depth         | (°)         | (°)     | Depth     | (ft)       | (ft)    | Rate        | Rate        | Rate        | (°)    |                      |
| (ft)          |             |         | (ft)      |            |         | (°/100usft) | (°/100usft) | (°/100usft) |        |                      |
| 0.00          | 0.00        | 0.00    | 0.00      | 0.00       | 0.00    | 0.00        | 0.00        | 0.00        | 0.00   |                      |
| 4,000.00      | 0.00        | 0.00    | 4,000.00  | 0.00       | 0.00    | 0.00        | 0.00        | 0.00        | 0.00   |                      |
| 4,419.56      | 5.24        | 319.40  | 4,418.97  | 14.57      | -12.49  | 1.25        | 1.25        | 0.00        | 319.40 |                      |
| 9,077.95      | 5.24        | 319.40  | 9,057.86  | 337.86     | -289.59 | 0.00        | 0.00        | 0.00        | 0.00   |                      |
| 9,427.57      | 0.00        | 0.00    | 9,407.00  | 350.00     | -300.00 | 1.50        | -1.50       | 0.00        | 180.00 |                      |
| 9,777.61      | 0.00        | 0.00    | 9,757.04  | 350.00     | -300.00 | 0.00        | 0.00        | 0.00        | 0.00   |                      |
| 10,677.62     | 90.00       | 179.68  | 10,330.00 | -222.95    | -296.82 | 10.00       | 10.00       | 0.00        | 179.68 | PBHL - Maldives 15-2 |
| 25,666.80     | 90.00       | 179.68  | 10,330.00 | -15,211.90 | -213.57 | 0.00        | 0.00        | 0.00        | 0.00   | PBHL - Maldives 15-2 |

# Planning Report - Geographic

|           |                                 |                              |                                  |
|-----------|---------------------------------|------------------------------|----------------------------------|
| Database: | EDM r5000.141_Prod US           | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Company:  | WCDSC Permian NM                | TVD Reference:               | RKB @ 3411.40ft                  |
| Project:  | Eddy County (NAD 83 NM Eastern) | MD Reference:                | RKB @ 3411.40ft                  |
| Site:     | Sec 15-T23S-R31E                | North Reference:             | Grid                             |
| Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Wellbore: | Wellbore #1                     |                              |                                  |
| Design:   | Permit Plan 2                   |                              |                                  |

| Planned Survey      |                 |             |                     |            |            |                     |                    |           |             |
|---------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|-----------|-------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude  | Longitude   |
| 0.00                | 0.00            | 0.00        | 0.00                | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 100.00              | 0.00            | 0.00        | 100.00              | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 200.00              | 0.00            | 0.00        | 200.00              | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 300.00              | 0.00            | 0.00        | 300.00              | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 400.00              | 0.00            | 0.00        | 400.00              | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 500.00              | 0.00            | 0.00        | 500.00              | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 600.00              | 0.00            | 0.00        | 600.00              | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 700.00              | 0.00            | 0.00        | 700.00              | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 800.00              | 0.00            | 0.00        | 800.00              | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 900.00              | 0.00            | 0.00        | 900.00              | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 1,000.00            | 0.00            | 0.00        | 1,000.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 1,100.00            | 0.00            | 0.00        | 1,100.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 1,200.00            | 0.00            | 0.00        | 1,200.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 1,300.00            | 0.00            | 0.00        | 1,300.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 1,400.00            | 0.00            | 0.00        | 1,400.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 1,500.00            | 0.00            | 0.00        | 1,500.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 1,600.00            | 0.00            | 0.00        | 1,600.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 1,700.00            | 0.00            | 0.00        | 1,700.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 1,800.00            | 0.00            | 0.00        | 1,800.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 1,900.00            | 0.00            | 0.00        | 1,900.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 2,000.00            | 0.00            | 0.00        | 2,000.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 2,100.00            | 0.00            | 0.00        | 2,100.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 2,200.00            | 0.00            | 0.00        | 2,200.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 2,300.00            | 0.00            | 0.00        | 2,300.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 2,400.00            | 0.00            | 0.00        | 2,400.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 2,500.00            | 0.00            | 0.00        | 2,500.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 2,600.00            | 0.00            | 0.00        | 2,600.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 2,700.00            | 0.00            | 0.00        | 2,700.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 2,800.00            | 0.00            | 0.00        | 2,800.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 2,900.00            | 0.00            | 0.00        | 2,900.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 3,000.00            | 0.00            | 0.00        | 3,000.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 3,100.00            | 0.00            | 0.00        | 3,100.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 3,200.00            | 0.00            | 0.00        | 3,200.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 3,300.00            | 0.00            | 0.00        | 3,300.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 3,400.00            | 0.00            | 0.00        | 3,400.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 3,500.00            | 0.00            | 0.00        | 3,500.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 3,600.00            | 0.00            | 0.00        | 3,600.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 3,700.00            | 0.00            | 0.00        | 3,700.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 3,800.00            | 0.00            | 0.00        | 3,800.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 3,900.00            | 0.00            | 0.00        | 3,900.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 4,000.00            | 0.00            | 0.00        | 4,000.00            | 0.00       | 0.00       | 477,197.65          | 714,846.96         | 32.310640 | -103.771706 |
| 4,100.00            | 1.25            | 319.40      | 4,099.99            | 0.83       | -0.71      | 477,198.48          | 714,846.25         | 32.310642 | -103.771708 |
| 4,200.00            | 2.50            | 319.40      | 4,199.94            | -3.31      | -2.84      | 477,200.96          | 714,844.12         | 32.310649 | -103.771715 |
| 4,300.00            | 3.75            | 319.40      | 4,299.79            | 7.45       | -6.39      | 477,205.10          | 714,840.57         | 32.310660 | -103.771727 |
| 4,400.00            | 5.00            | 319.40      | 4,399.49            | 13.24      | -11.35     | 477,210.89          | 714,835.60         | 32.310676 | -103.771743 |
| 4,419.56            | 5.24            | 319.40      | 4,418.97            | 14.57      | -12.49     | 477,212.22          | 714,834.47         | 32.310680 | -103.771746 |
| 4,500.00            | 5.24            | 319.40      | 4,499.08            | 20.15      | -17.27     | 477,217.80          | 714,829.68         | 32.310695 | -103.771762 |
| 4,600.00            | 5.24            | 319.40      | 4,598.66            | 27.09      | -23.22     | 477,224.74          | 714,823.73         | 32.310715 | -103.771781 |
| 4,700.00            | 5.24            | 319.40      | 4,698.24            | 34.03      | -29.17     | 477,231.68          | 714,817.79         | 32.310734 | -103.771800 |
| 4,800.00            | 5.24            | 319.40      | 4,797.82            | 40.97      | -35.12     | 477,238.62          | 714,811.84         | 32.310753 | -103.771819 |
| 4,900.00            | 5.24            | 319.40      | 4,897.40            | 47.91      | -41.07     | 477,245.56          | 714,805.89         | 32.310772 | -103.771838 |
| 5,000.00            | 5.24            | 319.40      | 4,996.98            | 54.85      | -47.02     | 477,252.50          | 714,799.94         | 32.310791 | -103.771857 |
| 5,100.00            | 5.24            | 319.40      | 5,096.57            | 61.79      | -52.96     | 477,259.44          | 714,793.99         | 32.310810 | -103.771877 |
| 5,200.00            | 5.24            | 319.40      | 5,196.15            | 68.73      | -58.91     | 477,266.38          | 714,788.04         | 32.310830 | -103.771896 |
| 5,300.00            | 5.24            | 319.40      | 5,295.73            | 75.67      | -64.86     | 477,273.32          | 714,782.10         | 32.310849 | -103.771915 |

# Planning Report - Geographic

|           |                                 |                              |                                  |
|-----------|---------------------------------|------------------------------|----------------------------------|
| Database: | EDM r5000.141_Prod US           | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Company:  | WCDSC Permian NM                | TVD Reference:               | RKB @ 3411.40ft                  |
| Project:  | Eddy County (NAD 83 NM Eastern) | MD Reference:                | RKB @ 3411.40ft                  |
| Site:     | Sec 15-T23S-R31E                | North Reference:             | Grid                             |
| Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Wellbore: | Wellbore #1                     |                              |                                  |
| Design:   | Permit Plan 2                   |                              |                                  |

| Planned Survey                      |                    |                |                           |               |               |                           |                          |           |             |  |
|-------------------------------------|--------------------|----------------|---------------------------|---------------|---------------|---------------------------|--------------------------|-----------|-------------|--|
| Measured<br>Depth<br>(ft)           | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(ft) | +N/-S<br>(ft) | +E/-W<br>(ft) | Map<br>Northing<br>(usft) | Map<br>Easting<br>(usft) | Latitude  | Longitude   |  |
| 5,400.00                            | 5.24               | 319.40         | 5,395.31                  | 82.61         | -70.81        | 477,280.26                | 714,776.15               | 32.310868 | -103.771934 |  |
| 5,500.00                            | 5.24               | 319.40         | 5,494.89                  | 89.55         | -76.76        | 477,287.20                | 714,770.20               | 32.310887 | -103.771953 |  |
| 5,600.00                            | 5.24               | 319.40         | 5,594.47                  | 96.49         | -82.71        | 477,294.14                | 714,764.25               | 32.310906 | -103.771972 |  |
| 5,700.00                            | 5.24               | 319.40         | 5,694.05                  | 103.43        | -88.66        | 477,301.08                | 714,758.30               | 32.310925 | -103.771991 |  |
| 5,800.00                            | 5.24               | 319.40         | 5,793.64                  | 110.37        | -94.60        | 477,308.02                | 714,752.35               | 32.310944 | -103.772011 |  |
| 5,900.00                            | 5.24               | 319.40         | 5,893.22                  | 117.31        | -100.55       | 477,314.96                | 714,746.40               | 32.310964 | -103.772030 |  |
| 6,000.00                            | 5.24               | 319.40         | 5,992.80                  | 124.25        | -106.50       | 477,321.90                | 714,740.46               | 32.310983 | -103.772049 |  |
| 6,100.00                            | 5.24               | 319.40         | 6,092.38                  | 131.19        | -112.45       | 477,328.84                | 714,734.51               | 32.311002 | -103.772068 |  |
| 6,200.00                            | 5.24               | 319.40         | 6,191.96                  | 138.13        | -118.40       | 477,335.78                | 714,728.56               | 32.311021 | -103.772087 |  |
| 6,300.00                            | 5.24               | 319.40         | 6,291.54                  | 145.07        | -124.35       | 477,342.72                | 714,722.61               | 32.311040 | -103.772106 |  |
| 6,400.00                            | 5.24               | 319.40         | 6,391.12                  | 152.01        | -130.30       | 477,349.66                | 714,716.66               | 32.311059 | -103.772125 |  |
| 6,500.00                            | 5.24               | 319.40         | 6,490.71                  | 158.95        | -136.24       | 477,356.60                | 714,710.71               | 32.311079 | -103.772144 |  |
| 6,600.00                            | 5.24               | 319.40         | 6,590.29                  | 165.89        | -142.19       | 477,363.54                | 714,704.76               | 32.311098 | -103.772164 |  |
| 6,700.00                            | 5.24               | 319.40         | 6,689.87                  | 172.83        | -148.14       | 477,370.48                | 714,698.82               | 32.311117 | -103.772183 |  |
| 6,800.00                            | 5.24               | 319.40         | 6,789.45                  | 179.77        | -154.09       | 477,377.42                | 714,692.87               | 32.311136 | -103.772202 |  |
| 6,900.00                            | 5.24               | 319.40         | 6,889.03                  | 186.71        | -160.04       | 477,384.36                | 714,686.92               | 32.311155 | -103.772221 |  |
| 7,000.00                            | 5.24               | 319.40         | 6,988.61                  | 193.65        | -165.99       | 477,391.30                | 714,680.97               | 32.311174 | -103.772240 |  |
| 7,100.00                            | 5.24               | 319.40         | 7,088.19                  | 200.59        | -171.93       | 477,398.24                | 714,675.02               | 32.311194 | -103.772259 |  |
| 7,200.00                            | 5.24               | 319.40         | 7,187.78                  | 207.53        | -177.88       | 477,405.18                | 714,669.07               | 32.311213 | -103.772278 |  |
| 7,300.00                            | 5.24               | 319.40         | 7,287.36                  | 214.47        | -183.83       | 477,412.12                | 714,663.12               | 32.311232 | -103.772298 |  |
| 7,400.00                            | 5.24               | 319.40         | 7,386.94                  | 221.41        | -189.78       | 477,419.06                | 714,657.18               | 32.311251 | -103.772317 |  |
| 7,500.00                            | 5.24               | 319.40         | 7,486.52                  | 228.35        | -195.73       | 477,426.00                | 714,651.23               | 32.311270 | -103.772336 |  |
| 7,600.00                            | 5.24               | 319.40         | 7,586.10                  | 235.29        | -201.68       | 477,432.94                | 714,645.28               | 32.311289 | -103.772355 |  |
| 7,700.00                            | 5.24               | 319.40         | 7,685.68                  | 242.23        | -207.63       | 477,439.88                | 714,639.33               | 32.311309 | -103.772374 |  |
| 7,800.00                            | 5.24               | 319.40         | 7,785.26                  | 249.17        | -213.57       | 477,446.82                | 714,633.38               | 32.311328 | -103.772393 |  |
| 7,900.00                            | 5.24               | 319.40         | 7,884.84                  | 256.11        | -219.52       | 477,453.76                | 714,627.43               | 32.311347 | -103.772412 |  |
| 8,000.00                            | 5.24               | 319.40         | 7,984.43                  | 263.05        | -225.47       | 477,460.70                | 714,621.48               | 32.311366 | -103.772432 |  |
| 8,100.00                            | 5.24               | 319.40         | 8,084.01                  | 269.99        | -231.42       | 477,467.64                | 714,615.54               | 32.311385 | -103.772451 |  |
| 8,200.00                            | 5.24               | 319.40         | 8,183.59                  | 276.93        | -237.37       | 477,474.58                | 714,609.59               | 32.311404 | -103.772470 |  |
| 8,300.00                            | 5.24               | 319.40         | 8,283.17                  | 283.87        | -243.32       | 477,481.52                | 714,603.64               | 32.311424 | -103.772489 |  |
| 8,400.00                            | 5.24               | 319.40         | 8,382.75                  | 290.81        | -249.27       | 477,488.46                | 714,597.69               | 32.311443 | -103.772508 |  |
| 8,500.00                            | 5.24               | 319.40         | 8,482.33                  | 297.75        | -255.21       | 477,495.40                | 714,591.74               | 32.311462 | -103.772527 |  |
| 8,600.00                            | 5.24               | 319.40         | 8,581.91                  | 304.69        | -261.16       | 477,502.34                | 714,585.79               | 32.311481 | -103.772546 |  |
| 8,700.00                            | 5.24               | 319.40         | 8,681.50                  | 311.63        | -267.11       | 477,509.28                | 714,579.84               | 32.311500 | -103.772565 |  |
| 8,800.00                            | 5.24               | 319.40         | 8,781.08                  | 318.57        | -273.06       | 477,516.22                | 714,573.90               | 32.311519 | -103.772585 |  |
| 8,900.00                            | 5.24               | 319.40         | 8,880.66                  | 325.51        | -279.01       | 477,523.16                | 714,567.95               | 32.311539 | -103.772604 |  |
| 9,000.00                            | 5.24               | 319.40         | 8,980.24                  | 332.45        | -284.96       | 477,530.10                | 714,562.00               | 32.311558 | -103.772623 |  |
| 9,077.95                            | 5.24               | 319.40         | 9,057.86                  | 337.86        | -289.59       | 477,535.51                | 714,557.36               | 32.311573 | -103.772638 |  |
| 9,100.00                            | 4.91               | 319.40         | 9,079.83                  | 339.34        | -290.86       | 477,536.99                | 714,556.09               | 32.311577 | -103.772642 |  |
| 9,200.00                            | 3.41               | 319.40         | 9,179.56                  | 344.85        | -295.59       | 477,542.50                | 714,551.37               | 32.311592 | -103.772657 |  |
| 9,300.00                            | 1.91               | 319.40         | 9,279.45                  | 348.38        | -298.61       | 477,546.03                | 714,548.34               | 32.311602 | -103.772667 |  |
| 9,400.00                            | 0.41               | 319.40         | 9,379.43                  | 349.92        | -299.94       | 477,547.57                | 714,547.02               | 32.311606 | -103.772671 |  |
| 9,427.57                            | 0.00               | 0.00           | 9,407.00                  | 350.00        | -300.00       | 477,547.65                | 714,546.96               | 32.311606 | -103.772671 |  |
| 9,500.00                            | 0.00               | 0.00           | 9,479.43                  | 350.00        | -300.00       | 477,547.65                | 714,546.96               | 32.311606 | -103.772671 |  |
| 9,600.00                            | 0.00               | 0.00           | 9,579.43                  | 350.00        | -300.00       | 477,547.65                | 714,546.96               | 32.311606 | -103.772671 |  |
| 9,700.00                            | 0.00               | 0.00           | 9,679.43                  | 350.00        | -300.00       | 477,547.65                | 714,546.96               | 32.311606 | -103.772671 |  |
| 9,777.61                            | 0.00               | 0.00           | 9,757.04                  | 350.00        | -300.00       | 477,547.65                | 714,546.96               | 32.311606 | -103.772671 |  |
| KOP @ 9778' MD, 50' FNL, 480' FWL   |                    |                |                           |               |               |                           |                          |           |             |  |
| 9,800.00                            | 2.24               | 179.68         | 9,779.42                  | 349.56        | -300.00       | 477,547.21                | 714,546.96               | 32.311605 | -103.772671 |  |
| 9,900.00                            | 12.24              | 179.68         | 9,878.50                  | 336.98        | -299.93       | 477,534.63                | 714,547.03               | 32.311570 | -103.772671 |  |
| 10,000.00                           | 22.24              | 179.68         | 9,973.88                  | 307.38        | -299.76       | 477,505.03                | 714,547.19               | 32.311489 | -103.772671 |  |
| 10,019.00                           | 24.14              | 179.68         | 9,991.35                  | 299.90        | -299.72       | 477,497.55                | 714,547.23               | 32.311468 | -103.772671 |  |
| FTP @ 10019' MD, 100' FNL, 480' FWL |                    |                |                           |               |               |                           |                          |           |             |  |
| 10,100.00                           | 32.24              | 179.68         | 10,062.68                 | 261.67        | -299.51       | 477,459.32                | 714,547.45               | 32.311363 | -103.772671 |  |

# Planning Report - Geographic

|           |                                 |                              |                                  |
|-----------|---------------------------------|------------------------------|----------------------------------|
| Database: | EDM r5000.141_Prod US           | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Company:  | WCDSC Permian NM                | TVD Reference:               | RKB @ 3411.40ft                  |
| Project:  | Eddy County (NAD 83 NM Eastern) | MD Reference:                | RKB @ 3411.40ft                  |
| Site:     | Sec 15-T23S-R31E                | North Reference:             | Grid                             |
| Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Wellbore: | Wellbore #1                     |                              |                                  |
| Design:   | Permit Plan 2                   |                              |                                  |

## Planned Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude  | Longitude   |
|---------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|-----------|-------------|
| 10,200.00           | 42.24           | 179.68      | 10,142.19           | 201.24     | -299.17    | 477,398.89          | 714,547.78         | 32.311197 | -103.772671 |
| 10,300.00           | 52.24           | 179.68      | 10,210.00           | 127.91     | -298.77    | 477,325.56          | 714,548.19         | 32.310996 | -103.772671 |
| 10,400.00           | 62.24           | 179.68      | 10,264.05           | 43.93      | -298.30    | 477,241.58          | 714,548.66         | 32.310765 | -103.772671 |
| 10,500.00           | 72.24           | 179.68      | 10,302.69           | -48.17     | -297.79    | 477,149.48          | 714,549.17         | 32.310512 | -103.772671 |
| 10,600.00           | 82.24           | 179.68      | 10,324.75           | -145.57    | -297.25    | 477,052.08          | 714,549.71         | 32.310244 | -103.772671 |
| 10,677.62           | 90.00           | 179.68      | 10,330.00           | -222.95    | -296.82    | 476,974.70          | 714,550.14         | 32.310031 | -103.772671 |
| 10,700.00           | 90.00           | 179.68      | 10,330.00           | -245.33    | -296.69    | 476,952.32          | 714,550.26         | 32.309970 | -103.772671 |
| 10,800.00           | 90.00           | 179.68      | 10,330.00           | -345.33    | -296.14    | 476,852.32          | 714,550.82         | 32.309695 | -103.772671 |
| 10,900.00           | 90.00           | 179.68      | 10,330.00           | -445.33    | -295.58    | 476,752.32          | 714,551.37         | 32.309420 | -103.772670 |
| 11,000.00           | 90.00           | 179.68      | 10,330.00           | -545.33    | -295.03    | 476,652.32          | 714,551.93         | 32.309145 | -103.772670 |
| 11,100.00           | 90.00           | 179.68      | 10,330.00           | -645.33    | -294.47    | 476,552.32          | 714,552.48         | 32.308870 | -103.772670 |
| 11,200.00           | 90.00           | 179.68      | 10,330.00           | -745.33    | -293.92    | 476,452.33          | 714,553.04         | 32.308595 | -103.772670 |
| 11,300.00           | 90.00           | 179.68      | 10,330.00           | -845.32    | -293.36    | 476,352.33          | 714,553.60         | 32.308320 | -103.772670 |
| 11,400.00           | 90.00           | 179.68      | 10,330.00           | -945.32    | -292.81    | 476,252.33          | 714,554.15         | 32.308046 | -103.772670 |
| 11,500.00           | 90.00           | 179.68      | 10,330.00           | -1,045.32  | -292.25    | 476,152.33          | 714,554.71         | 32.307771 | -103.772670 |
| 11,600.00           | 90.00           | 179.68      | 10,330.00           | -1,145.32  | -291.70    | 476,052.33          | 714,555.26         | 32.307496 | -103.772670 |
| 11,700.00           | 90.00           | 179.68      | 10,330.00           | -1,245.32  | -291.14    | 475,952.34          | 714,555.82         | 32.307221 | -103.772670 |
| 11,800.00           | 90.00           | 179.68      | 10,330.00           | -1,345.32  | -290.58    | 475,852.34          | 714,556.37         | 32.306946 | -103.772670 |
| 11,900.00           | 90.00           | 179.68      | 10,330.00           | -1,445.31  | -290.03    | 475,752.34          | 714,556.93         | 32.306671 | -103.772669 |
| 12,000.00           | 90.00           | 179.68      | 10,330.00           | -1,545.31  | -289.47    | 475,652.34          | 714,557.48         | 32.306396 | -103.772669 |
| 12,100.00           | 90.00           | 179.68      | 10,330.00           | -1,645.31  | -288.92    | 475,552.34          | 714,558.04         | 32.306121 | -103.772669 |
| 12,200.00           | 90.00           | 179.68      | 10,330.00           | -1,745.31  | -288.36    | 475,452.34          | 714,558.59         | 32.305847 | -103.772669 |
| 12,300.00           | 90.00           | 179.68      | 10,330.00           | -1,845.31  | -287.81    | 475,352.35          | 714,559.15         | 32.305572 | -103.772669 |
| 12,400.00           | 90.00           | 179.68      | 10,330.00           | -1,945.31  | -287.25    | 475,252.35          | 714,559.70         | 32.305297 | -103.772669 |
| 12,500.00           | 90.00           | 179.68      | 10,330.00           | -2,045.31  | -286.70    | 475,152.35          | 714,560.26         | 32.305022 | -103.772669 |
| 12,600.00           | 90.00           | 179.68      | 10,330.00           | -2,145.30  | -286.14    | 475,052.35          | 714,560.82         | 32.304747 | -103.772669 |
| 12,700.00           | 90.00           | 179.68      | 10,330.00           | -2,245.30  | -285.59    | 474,952.35          | 714,561.37         | 32.304472 | -103.772669 |
| 12,800.00           | 90.00           | 179.68      | 10,330.00           | -2,345.30  | -285.03    | 474,852.35          | 714,561.93         | 32.304197 | -103.772668 |
| 12,900.00           | 90.00           | 179.68      | 10,330.00           | -2,445.30  | -284.48    | 474,752.36          | 714,562.48         | 32.303922 | -103.772668 |
| 13,000.00           | 90.00           | 179.68      | 10,330.00           | -2,545.30  | -283.92    | 474,652.36          | 714,563.04         | 32.303647 | -103.772668 |
| 13,100.00           | 90.00           | 179.68      | 10,330.00           | -2,645.30  | -283.36    | 474,552.36          | 714,563.59         | 32.303373 | -103.772668 |
| 13,200.00           | 90.00           | 179.68      | 10,330.00           | -2,745.29  | -282.81    | 474,452.36          | 714,564.15         | 32.303098 | -103.772668 |
| 13,300.00           | 90.00           | 179.68      | 10,330.00           | -2,845.29  | -282.25    | 474,352.36          | 714,564.70         | 32.302823 | -103.772668 |
| 13,400.00           | 90.00           | 179.68      | 10,330.00           | -2,945.29  | -281.70    | 474,252.36          | 714,565.26         | 32.302548 | -103.772668 |
| 13,500.00           | 90.00           | 179.68      | 10,330.00           | -3,045.29  | -281.14    | 474,152.37          | 714,565.81         | 32.302273 | -103.772668 |
| 13,600.00           | 90.00           | 179.68      | 10,330.00           | -3,145.29  | -280.59    | 474,052.37          | 714,566.37         | 32.301998 | -103.772668 |
| 13,700.00           | 90.00           | 179.68      | 10,330.00           | -3,245.29  | -280.03    | 473,952.37          | 714,566.92         | 32.301723 | -103.772668 |
| 13,800.00           | 90.00           | 179.68      | 10,330.00           | -3,345.29  | -279.48    | 473,852.37          | 714,567.48         | 32.301448 | -103.772667 |
| 13,900.00           | 90.00           | 179.68      | 10,330.00           | -3,445.28  | -278.92    | 473,752.37          | 714,568.04         | 32.301174 | -103.772667 |
| 14,000.00           | 90.00           | 179.68      | 10,330.00           | -3,545.28  | -278.37    | 473,652.38          | 714,568.59         | 32.300899 | -103.772667 |
| 14,100.00           | 90.00           | 179.68      | 10,330.00           | -3,645.28  | -277.81    | 473,552.38          | 714,569.15         | 32.300624 | -103.772667 |
| 14,200.00           | 90.00           | 179.68      | 10,330.00           | -3,745.28  | -277.26    | 473,452.38          | 714,569.70         | 32.300349 | -103.772667 |
| 14,300.00           | 90.00           | 179.68      | 10,330.00           | -3,845.28  | -276.70    | 473,352.38          | 714,570.26         | 32.300074 | -103.772667 |
| 14,400.00           | 90.00           | 179.68      | 10,330.00           | -3,945.28  | -276.14    | 473,252.38          | 714,570.81         | 32.299799 | -103.772667 |
| 14,500.00           | 90.00           | 179.68      | 10,330.00           | -4,045.27  | -275.59    | 473,152.38          | 714,571.37         | 32.299524 | -103.772667 |
| 14,600.00           | 90.00           | 179.68      | 10,330.00           | -4,145.27  | -275.03    | 473,052.39          | 714,571.92         | 32.299249 | -103.772667 |
| 14,700.00           | 90.00           | 179.68      | 10,330.00           | -4,245.27  | -274.48    | 472,952.39          | 714,572.48         | 32.298975 | -103.772666 |
| 14,800.00           | 90.00           | 179.68      | 10,330.00           | -4,345.27  | -273.92    | 472,852.39          | 714,573.03         | 32.298700 | -103.772666 |
| 14,900.00           | 90.00           | 179.68      | 10,330.00           | -4,445.27  | -273.37    | 472,752.39          | 714,573.59         | 32.298425 | -103.772666 |
| 15,000.00           | 90.00           | 179.68      | 10,330.00           | -4,545.27  | -272.81    | 472,652.39          | 714,574.14         | 32.298150 | -103.772666 |
| 15,100.00           | 90.00           | 179.68      | 10,330.00           | -4,645.27  | -272.26    | 472,552.39          | 714,574.70         | 32.297875 | -103.772666 |
| 15,200.00           | 90.00           | 179.68      | 10,330.00           | -4,745.26  | -271.70    | 472,452.40          | 714,575.26         | 32.297600 | -103.772666 |
| 15,300.00           | 90.00           | 179.68      | 10,330.00           | -4,845.26  | -271.15    | 472,352.40          | 714,575.81         | 32.297325 | -103.772666 |

# Planning Report - Geographic

|           |                                 |                              |                                  |
|-----------|---------------------------------|------------------------------|----------------------------------|
| Database: | EDM r5000.141_Prod US           | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Company:  | WCDSC Permian NM                | TVD Reference:               | RKB @ 3411.40ft                  |
| Project:  | Eddy County (NAD 83 NM Eastern) | MD Reference:                | RKB @ 3411.40ft                  |
| Site:     | Sec 15-T23S-R31E                | North Reference:             | Grid                             |
| Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Wellbore: | Wellbore #1                     |                              |                                  |
| Design:   | Permit Plan 2                   |                              |                                  |

| Planned Survey                              |                 |             |                     |            |            |                     |                    |           |             |
|---------------------------------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|-----------|-------------|
| Measured Depth (ft)                         | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude  | Longitude   |
| 15,335.00                                   | 90.00           | 179.68      | 10,330.00           | -4,880.26  | -270.95    | 472,317.40          | 714,576.00         | 32.297229 | -103.772666 |
| Cross Section @ 15335' MD, 0' FNL, 480' FWL |                 |             |                     |            |            |                     |                    |           |             |
| 15,400.00                                   | 90.00           | 179.68      | 10,330.00           | -4,945.26  | -270.59    | 472,252.40          | 714,576.37         | 32.297050 | -103.772666 |
| 15,500.00                                   | 90.00           | 179.68      | 10,330.00           | -5,045.26  | -270.04    | 472,152.40          | 714,576.92         | 32.296776 | -103.772666 |
| 15,600.00                                   | 90.00           | 179.68      | 10,330.00           | -5,145.26  | -269.48    | 472,052.40          | 714,577.48         | 32.296501 | -103.772666 |
| 15,700.00                                   | 90.00           | 179.68      | 10,330.00           | -5,245.26  | -268.92    | 471,952.40          | 714,578.03         | 32.296226 | -103.772665 |
| 15,800.00                                   | 90.00           | 179.68      | 10,330.00           | -5,345.25  | -268.37    | 471,852.41          | 714,578.59         | 32.295951 | -103.772665 |
| 15,900.00                                   | 90.00           | 179.68      | 10,330.00           | -5,445.25  | -267.81    | 471,752.41          | 714,579.14         | 32.295676 | -103.772665 |
| 16,000.00                                   | 90.00           | 179.68      | 10,330.00           | -5,545.25  | -267.26    | 471,652.41          | 714,579.70         | 32.295401 | -103.772665 |
| 16,100.00                                   | 90.00           | 179.68      | 10,330.00           | -5,645.25  | -266.70    | 471,552.41          | 714,580.25         | 32.295126 | -103.772665 |
| 16,200.00                                   | 90.00           | 179.68      | 10,330.00           | -5,745.25  | -266.15    | 471,452.41          | 714,580.81         | 32.294851 | -103.772665 |
| 16,300.00                                   | 90.00           | 179.68      | 10,330.00           | -5,845.25  | -265.59    | 471,352.42          | 714,581.36         | 32.294577 | -103.772665 |
| 16,400.00                                   | 90.00           | 179.68      | 10,330.00           | -5,945.25  | -265.04    | 471,252.42          | 714,581.92         | 32.294302 | -103.772665 |
| 16,500.00                                   | 90.00           | 179.68      | 10,330.00           | -6,045.24  | -264.48    | 471,152.42          | 714,582.48         | 32.294027 | -103.772665 |
| 16,600.00                                   | 90.00           | 179.68      | 10,330.00           | -6,145.24  | -263.93    | 471,052.42          | 714,583.03         | 32.293752 | -103.772664 |
| 16,700.00                                   | 90.00           | 179.68      | 10,330.00           | -6,245.24  | -263.37    | 470,952.42          | 714,583.59         | 32.293477 | -103.772664 |
| 16,800.00                                   | 90.00           | 179.68      | 10,330.00           | -6,345.24  | -262.82    | 470,852.42          | 714,584.14         | 32.293202 | -103.772664 |
| 16,900.00                                   | 90.00           | 179.68      | 10,330.00           | -6,445.24  | -262.26    | 470,752.43          | 714,584.70         | 32.292927 | -103.772664 |
| 17,000.00                                   | 90.00           | 179.68      | 10,330.00           | -6,545.24  | -261.70    | 470,652.43          | 714,585.25         | 32.292652 | -103.772664 |
| 17,100.00                                   | 90.00           | 179.68      | 10,330.00           | -6,645.23  | -261.15    | 470,552.43          | 714,585.81         | 32.292378 | -103.772664 |
| 17,200.00                                   | 90.00           | 179.68      | 10,330.00           | -6,745.23  | -260.59    | 470,452.43          | 714,586.36         | 32.292103 | -103.772664 |
| 17,300.00                                   | 90.00           | 179.68      | 10,330.00           | -6,845.23  | -260.04    | 470,352.43          | 714,586.92         | 32.291828 | -103.772664 |
| 17,400.00                                   | 90.00           | 179.68      | 10,330.00           | -6,945.23  | -259.48    | 470,252.43          | 714,587.47         | 32.291553 | -103.772664 |
| 17,500.00                                   | 90.00           | 179.68      | 10,330.00           | -7,045.23  | -258.93    | 470,152.44          | 714,588.03         | 32.291278 | -103.772664 |
| 17,600.00                                   | 90.00           | 179.68      | 10,330.00           | -7,145.23  | -258.37    | 470,052.44          | 714,588.58         | 32.291003 | -103.772663 |
| 17,700.00                                   | 90.00           | 179.68      | 10,330.00           | -7,245.23  | -257.82    | 469,952.44          | 714,589.14         | 32.290728 | -103.772663 |
| 17,800.00                                   | 90.00           | 179.68      | 10,330.00           | -7,345.22  | -257.26    | 469,852.44          | 714,589.70         | 32.290453 | -103.772663 |
| 17,900.00                                   | 90.00           | 179.68      | 10,330.00           | -7,445.22  | -256.71    | 469,752.44          | 714,590.25         | 32.290178 | -103.772663 |
| 18,000.00                                   | 90.00           | 179.68      | 10,330.00           | -7,545.22  | -256.15    | 469,652.44          | 714,590.81         | 32.289904 | -103.772663 |
| 18,100.00                                   | 90.00           | 179.68      | 10,330.00           | -7,645.22  | -255.60    | 469,552.45          | 714,591.36         | 32.289629 | -103.772663 |
| 18,200.00                                   | 90.00           | 179.68      | 10,330.00           | -7,745.22  | -255.04    | 469,452.45          | 714,591.92         | 32.289354 | -103.772663 |
| 18,300.00                                   | 90.00           | 179.68      | 10,330.00           | -7,845.22  | -254.48    | 469,352.45          | 714,592.47         | 32.289079 | -103.772663 |
| 18,400.00                                   | 90.00           | 179.68      | 10,330.00           | -7,945.21  | -253.93    | 469,252.45          | 714,593.03         | 32.288804 | -103.772663 |
| 18,500.00                                   | 90.00           | 179.68      | 10,330.00           | -8,045.21  | -253.37    | 469,152.45          | 714,593.58         | 32.288529 | -103.772662 |
| 18,600.00                                   | 90.00           | 179.68      | 10,330.00           | -8,145.21  | -252.82    | 469,052.46          | 714,594.14         | 32.288254 | -103.772662 |
| 18,700.00                                   | 90.00           | 179.68      | 10,330.00           | -8,245.21  | -252.26    | 468,952.46          | 714,594.69         | 32.287979 | -103.772662 |
| 18,800.00                                   | 90.00           | 179.68      | 10,330.00           | -8,345.21  | -251.71    | 468,852.46          | 714,595.25         | 32.287705 | -103.772662 |
| 18,900.00                                   | 90.00           | 179.68      | 10,330.00           | -8,445.21  | -251.15    | 468,752.46          | 714,595.80         | 32.287430 | -103.772662 |
| 19,000.00                                   | 90.00           | 179.68      | 10,330.00           | -8,545.21  | -250.60    | 468,652.46          | 714,596.36         | 32.287155 | -103.772662 |
| 19,100.00                                   | 90.00           | 179.68      | 10,330.00           | -8,645.20  | -250.04    | 468,552.46          | 714,596.92         | 32.286880 | -103.772662 |
| 19,200.00                                   | 90.00           | 179.68      | 10,330.00           | -8,745.20  | -249.49    | 468,452.47          | 714,597.47         | 32.286605 | -103.772662 |
| 19,300.00                                   | 90.00           | 179.68      | 10,330.00           | -8,845.20  | -248.93    | 468,352.47          | 714,598.03         | 32.286330 | -103.772662 |
| 19,400.00                                   | 90.00           | 179.68      | 10,330.00           | -8,945.20  | -248.38    | 468,252.47          | 714,598.58         | 32.286055 | -103.772662 |
| 19,500.00                                   | 90.00           | 179.68      | 10,330.00           | -9,045.20  | -247.82    | 468,152.47          | 714,599.14         | 32.285780 | -103.772661 |
| 19,600.00                                   | 90.00           | 179.68      | 10,330.00           | -9,145.20  | -247.26    | 468,052.47          | 714,599.69         | 32.285506 | -103.772661 |
| 19,700.00                                   | 90.00           | 179.68      | 10,330.00           | -9,245.19  | -246.71    | 467,952.47          | 714,600.25         | 32.285231 | -103.772661 |
| 19,800.00                                   | 90.00           | 179.68      | 10,330.00           | -9,345.19  | -246.15    | 467,852.48          | 714,600.80         | 32.284956 | -103.772661 |
| 19,900.00                                   | 90.00           | 179.68      | 10,330.00           | -9,445.19  | -245.60    | 467,752.48          | 714,601.36         | 32.284681 | -103.772661 |
| 20,000.00                                   | 90.00           | 179.68      | 10,330.00           | -9,545.19  | -245.04    | 467,652.48          | 714,601.91         | 32.284406 | -103.772661 |
| 20,100.00                                   | 90.00           | 179.68      | 10,330.00           | -9,645.19  | -244.49    | 467,552.48          | 714,602.47         | 32.284131 | -103.772661 |
| 20,200.00                                   | 90.00           | 179.68      | 10,330.00           | -9,745.19  | -243.93    | 467,452.48          | 714,603.02         | 32.283856 | -103.772661 |
| 20,300.00                                   | 90.00           | 179.68      | 10,330.00           | -9,845.19  | -243.38    | 467,352.48          | 714,603.58         | 32.283581 | -103.772661 |
| 20,400.00                                   | 90.00           | 179.68      | 10,330.00           | -9,945.18  | -242.82    | 467,252.49          | 714,604.14         | 32.283307 | -103.772660 |
| 20,500.00                                   | 90.00           | 179.68      | 10,330.00           | -10,045.18 | -242.27    | 467,152.49          | 714,604.69         | 32.283032 | -103.772660 |

# Planning Report - Geographic

|           |                                 |                              |                                  |
|-----------|---------------------------------|------------------------------|----------------------------------|
| Database: | EDM r5000.141_Prod US           | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Company:  | WCDSC Permian NM                | TVD Reference:               | RKB @ 3411.40ft                  |
| Project:  | Eddy County (NAD 83 NM Eastern) | MD Reference:                | RKB @ 3411.40ft                  |
| Site:     | Sec 15-T23S-R31E                | North Reference:             | Grid                             |
| Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Wellbore: | Wellbore #1                     |                              |                                  |
| Design:   | Permit Plan 2                   |                              |                                  |

| Planned Survey                              |                 |             |                     |            |            |                     |                    |           |             |
|---------------------------------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|-----------|-------------|
| Measured Depth (ft)                         | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude  | Longitude   |
| 20,600.00                                   | 90.00           | 179.68      | 10,330.00           | -10,145.18 | -241.71    | 467,052.49          | 714,605.25         | 32.282757 | -103.772660 |
| 20,615.00                                   | 90.00           | 179.68      | 10,330.00           | -10,160.18 | -241.63    | 467,037.49          | 714,605.33         | 32.282716 | -103.772660 |
| Cross Section @ 20615' MD, 0' FNL, 480' FWL |                 |             |                     |            |            |                     |                    |           |             |
| 20,700.00                                   | 90.00           | 179.68      | 10,330.00           | -10,245.18 | -241.16    | 466,952.49          | 714,605.80         | 32.282482 | -103.772660 |
| 20,800.00                                   | 90.00           | 179.68      | 10,330.00           | -10,345.18 | -240.60    | 466,852.49          | 714,606.36         | 32.282207 | -103.772660 |
| 20,900.00                                   | 90.00           | 179.68      | 10,330.00           | -10,445.18 | -240.04    | 466,752.50          | 714,606.91         | 32.281932 | -103.772660 |
| 21,000.00                                   | 90.00           | 179.68      | 10,330.00           | -10,545.17 | -239.49    | 466,652.50          | 714,607.47         | 32.281657 | -103.772660 |
| 21,100.00                                   | 90.00           | 179.68      | 10,330.00           | -10,645.17 | -238.93    | 466,552.50          | 714,608.02         | 32.281382 | -103.772660 |
| 21,200.00                                   | 90.00           | 179.68      | 10,330.00           | -10,745.17 | -238.38    | 466,452.50          | 714,608.58         | 32.281108 | -103.772660 |
| 21,300.00                                   | 90.00           | 179.68      | 10,330.00           | -10,845.17 | -237.82    | 466,352.50          | 714,609.13         | 32.280833 | -103.772660 |
| 21,400.00                                   | 90.00           | 179.68      | 10,330.00           | -10,945.17 | -237.27    | 466,252.50          | 714,609.69         | 32.280558 | -103.772659 |
| 21,500.00                                   | 90.00           | 179.68      | 10,330.00           | -11,045.17 | -236.71    | 466,152.51          | 714,610.24         | 32.280283 | -103.772659 |
| 21,600.00                                   | 90.00           | 179.68      | 10,330.00           | -11,145.17 | -236.16    | 466,052.51          | 714,610.80         | 32.280008 | -103.772659 |
| 21,700.00                                   | 90.00           | 179.68      | 10,330.00           | -11,245.16 | -235.60    | 465,952.51          | 714,611.36         | 32.279733 | -103.772659 |
| 21,800.00                                   | 90.00           | 179.68      | 10,330.00           | -11,345.16 | -235.05    | 465,852.51          | 714,611.91         | 32.279458 | -103.772659 |
| 21,900.00                                   | 90.00           | 179.68      | 10,330.00           | -11,445.16 | -234.49    | 465,752.51          | 714,612.47         | 32.279183 | -103.772659 |
| 22,000.00                                   | 90.00           | 179.68      | 10,330.00           | -11,545.16 | -233.94    | 465,652.51          | 714,613.02         | 32.278908 | -103.772659 |
| 22,100.00                                   | 90.00           | 179.68      | 10,330.00           | -11,645.16 | -233.38    | 465,552.52          | 714,613.58         | 32.278634 | -103.772659 |
| 22,200.00                                   | 90.00           | 179.68      | 10,330.00           | -11,745.16 | -232.82    | 465,452.52          | 714,614.13         | 32.278359 | -103.772659 |
| 22,300.00                                   | 90.00           | 179.68      | 10,330.00           | -11,845.15 | -232.27    | 465,352.52          | 714,614.69         | 32.278084 | -103.772658 |
| 22,400.00                                   | 90.00           | 179.68      | 10,330.00           | -11,945.15 | -231.71    | 465,252.52          | 714,615.24         | 32.277809 | -103.772658 |
| 22,500.00                                   | 90.00           | 179.68      | 10,330.00           | -12,045.15 | -231.16    | 465,152.52          | 714,615.80         | 32.277534 | -103.772658 |
| 22,600.00                                   | 90.00           | 179.68      | 10,330.00           | -12,145.15 | -230.60    | 465,052.52          | 714,616.35         | 32.277259 | -103.772658 |
| 22,700.00                                   | 90.00           | 179.68      | 10,330.00           | -12,245.15 | -230.05    | 464,952.53          | 714,616.91         | 32.276984 | -103.772658 |
| 22,800.00                                   | 90.00           | 179.68      | 10,330.00           | -12,345.15 | -229.49    | 464,852.53          | 714,617.46         | 32.276709 | -103.772658 |
| 22,900.00                                   | 90.00           | 179.68      | 10,330.00           | -12,445.15 | -228.94    | 464,752.53          | 714,618.02         | 32.276435 | -103.772658 |
| 23,000.00                                   | 90.00           | 179.68      | 10,330.00           | -12,545.14 | -228.38    | 464,652.53          | 714,618.58         | 32.276160 | -103.772658 |
| 23,100.00                                   | 90.00           | 179.68      | 10,330.00           | -12,645.14 | -227.83    | 464,552.53          | 714,619.13         | 32.275885 | -103.772658 |
| 23,200.00                                   | 90.00           | 179.68      | 10,330.00           | -12,745.14 | -227.27    | 464,452.54          | 714,619.69         | 32.275610 | -103.772657 |
| 23,300.00                                   | 90.00           | 179.68      | 10,330.00           | -12,845.14 | -226.72    | 464,352.54          | 714,620.24         | 32.275335 | -103.772657 |
| 23,400.00                                   | 90.00           | 179.68      | 10,330.00           | -12,945.14 | -226.16    | 464,252.54          | 714,620.80         | 32.275060 | -103.772657 |
| 23,500.00                                   | 90.00           | 179.68      | 10,330.00           | -13,045.14 | -225.60    | 464,152.54          | 714,621.35         | 32.274785 | -103.772657 |
| 23,600.00                                   | 90.00           | 179.68      | 10,330.00           | -13,145.13 | -225.05    | 464,052.54          | 714,621.91         | 32.274510 | -103.772657 |
| 23,700.00                                   | 90.00           | 179.68      | 10,330.00           | -13,245.13 | -224.49    | 463,952.54          | 714,622.46         | 32.274236 | -103.772657 |
| 23,800.00                                   | 90.00           | 179.68      | 10,330.00           | -13,345.13 | -223.94    | 463,852.55          | 714,623.02         | 32.273961 | -103.772657 |
| 23,900.00                                   | 90.00           | 179.68      | 10,330.00           | -13,445.13 | -223.38    | 463,752.55          | 714,623.57         | 32.273686 | -103.772657 |
| 24,000.00                                   | 90.00           | 179.68      | 10,330.00           | -13,545.13 | -222.83    | 463,652.55          | 714,624.13         | 32.273411 | -103.772657 |
| 24,100.00                                   | 90.00           | 179.68      | 10,330.00           | -13,645.13 | -222.27    | 463,552.55          | 714,624.68         | 32.273136 | -103.772657 |
| 24,200.00                                   | 90.00           | 179.68      | 10,330.00           | -13,745.13 | -221.72    | 463,452.55          | 714,625.24         | 32.272861 | -103.772656 |
| 24,300.00                                   | 90.00           | 179.68      | 10,330.00           | -13,845.12 | -221.16    | 463,352.55          | 714,625.80         | 32.272586 | -103.772656 |
| 24,400.00                                   | 90.00           | 179.68      | 10,330.00           | -13,945.12 | -220.61    | 463,252.56          | 714,626.35         | 32.272311 | -103.772656 |
| 24,500.00                                   | 90.00           | 179.68      | 10,330.00           | -14,045.12 | -220.05    | 463,152.56          | 714,626.91         | 32.272037 | -103.772656 |
| 24,600.00                                   | 90.00           | 179.68      | 10,330.00           | -14,145.12 | -219.50    | 463,052.56          | 714,627.46         | 32.271762 | -103.772656 |
| 24,700.00                                   | 90.00           | 179.68      | 10,330.00           | -14,245.12 | -218.94    | 462,952.56          | 714,628.02         | 32.271487 | -103.772656 |
| 24,800.00                                   | 90.00           | 179.68      | 10,330.00           | -14,345.12 | -218.38    | 462,852.56          | 714,628.57         | 32.271212 | -103.772656 |
| 24,900.00                                   | 90.00           | 179.68      | 10,330.00           | -14,445.11 | -217.83    | 462,752.56          | 714,629.13         | 32.270937 | -103.772656 |
| 25,000.00                                   | 90.00           | 179.68      | 10,330.00           | -14,545.11 | -217.27    | 462,652.57          | 714,629.68         | 32.270662 | -103.772656 |
| 25,100.00                                   | 90.00           | 179.68      | 10,330.00           | -14,645.11 | -216.72    | 462,552.57          | 714,630.24         | 32.270387 | -103.772655 |
| 25,200.00                                   | 90.00           | 179.68      | 10,330.00           | -14,745.11 | -216.16    | 462,452.57          | 714,630.79         | 32.270112 | -103.772655 |
| 25,300.00                                   | 90.00           | 179.68      | 10,330.00           | -14,845.11 | -215.61    | 462,352.57          | 714,631.35         | 32.269838 | -103.772655 |
| 25,400.00                                   | 90.00           | 179.68      | 10,330.00           | -14,945.11 | -215.05    | 462,252.57          | 714,631.90         | 32.269563 | -103.772655 |
| 25,500.00                                   | 90.00           | 179.68      | 10,330.00           | -15,045.11 | -214.50    | 462,152.58          | 714,632.46         | 32.269288 | -103.772655 |
| 25,586.80                                   | 90.00           | 179.68      | 10,330.00           | -15,131.90 | -214.01    | 462,065.78          | 714,632.94         | 32.269049 | -103.772655 |
| LTP @ 25587' MD, 315' FSL, 480' FWL         |                 |             |                     |            |            |                     |                    |           |             |

# Planning Report - Geographic

|           |                                 |                              |                                  |
|-----------|---------------------------------|------------------------------|----------------------------------|
| Database: | EDM r5000.141_Prod US           | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Company:  | WCDSC Permian NM                | TVD Reference:               | RKB @ 3411.40ft                  |
| Project:  | Eddy County (NAD 83 NM Eastern) | MD Reference:                | RKB @ 3411.40ft                  |
| Site:     | Sec 15-T23S-R31E                | North Reference:             | Grid                             |
| Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Wellbore: | Wellbore #1                     |                              |                                  |
| Design:   | Permit Plan 2                   |                              |                                  |

| Planned Survey           |                 |             |                     |            |            |                     |                    |           |             |
|--------------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|-----------|-------------|
| Measured Depth (ft)      | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude  | Longitude   |
| 25,600.00                | 90.00           | 179.68      | 10,330.00           | -15,145.10 | -213.94    | 462,052.58          | 714,633.01         | 32.269013 | -103.772655 |
| 25,666.79                | 90.00           | 179.68      | 10,330.00           | -15,211.89 | -213.57    | 461,985.79          | 714,633.39         | 32.268829 | -103.772655 |
| PBHL; 235' FSL, 480' FWL |                 |             |                     |            |            |                     |                    |           |             |
| 25,666.80                | 90.00           | 179.68      | 10,330.00           | -15,211.90 | -213.57    | 461,985.78          | 714,633.39         | 32.268829 | -103.772655 |

| Design Targets                                                                                    |               |             |          |            |            |                 |                |           |             |
|---------------------------------------------------------------------------------------------------|---------------|-------------|----------|------------|------------|-----------------|----------------|-----------|-------------|
| Target Name                                                                                       | Dip Angle (°) | Dip Dir (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude  | Longitude   |
| hit/miss target                                                                                   |               |             |          |            |            |                 |                |           |             |
| Shape                                                                                             |               |             |          |            |            |                 |                |           |             |
| PBHL - Maldives 521H                                                                              | 0.00          | 0.01        | 0.00     | -7,232.88  | -388.99    | 469,964.78      | 714,457.97     | 32.290764 | -103.773088 |
| - plan misses target center by 7243.34ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E)                  |               |             |          |            |            |                 |                |           |             |
| - Point                                                                                           |               |             |          |            |            |                 |                |           |             |
| PBHL - Maldives 15-27 I                                                                           | 0.00          | 0.00        | 0.00     | -15,211.90 | -213.57    | 461,985.78      | 714,633.39     | 32.268829 | -103.772655 |
| - plan misses target center by 10330.00ft at 25666.80ft MD (10330.00 TVD, -15211.90 N, -213.57 E) |               |             |          |            |            |                 |                |           |             |
| - Point                                                                                           |               |             |          |            |            |                 |                |           |             |
| Vertical Point - Maldives                                                                         | 0.00          | 0.00        | 7,854.00 | 347.38     | -431.92    | 477,545.03      | 714,415.04     | 32.311601 | -103.773098 |
| - plan misses target center by 232.92ft at 7888.25ft MD (7873.15 TVD, 255.30 N, -218.82 E)        |               |             |          |            |            |                 |                |           |             |
| - Point                                                                                           |               |             |          |            |            |                 |                |           |             |

| Plan Annotations    |                     |                   |            |                                             |
|---------------------|---------------------|-------------------|------------|---------------------------------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates |            | Comment                                     |
|                     |                     | +N/-S (ft)        | +E/-W (ft) |                                             |
| 9,777.61            | 9,757.04            | 350.00            | -300.00    | KOP @ 9778' MD, 50' FNL, 480' FWL           |
| 10,019.00           | 9,991.35            | 299.90            | -299.72    | FTP @ 10019' MD, 100' FNL, 480' FWL         |
| 15,335.00           | 10,330.00           | -4,880.26         | -270.95    | Cross Section @ 15335' MD, 0' FNL, 480' FWL |
| 20,615.00           | 10,330.00           | -10,160.18        | -241.63    | Cross Section @ 20615' MD, 0' FNL, 480' FWL |
| 25,586.80           | 10,330.00           | -15,131.90        | -214.01    | LTP @ 25587' MD, 315' FSL, 480' FWL         |
| 25,666.79           | 10,330.00           | -15,211.89        | -213.57    | PBHL; 235' FSL, 480' FWL                    |

# **WCDSC Permian NM**

**Eddy County (NAD 83 NM Eastern)**

**Sec 15-T23S-R31E**

**Maldives 15-27 Fed Com 231H**

**Wellbore #1**

**Permit Plan 2**

## **Anticollision Report**

**14 March, 2019**

# Anticollision Report

|                     |                                 |                              |                                  |
|---------------------|---------------------------------|------------------------------|----------------------------------|
| Company:            | WCDSC Permian NM                | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Project:            | Eddy County (NAD 83 NM Eastern) | TVD Reference:               | RKB @ 3411.40ft                  |
| Reference Site:     | Sec 15-T23S-R31E                | MD Reference:                | RKB @ 3411.40ft                  |
| Site Error:         | 0.00 ft                         | North Reference:             | Grid                             |
| Reference Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Well Error:         | 0.50 ft                         | Output errors are at         | 2.00 sigma                       |
| Reference Wellbore: | Wellbore #1                     | Database:                    | EDM r5000.141_Prod US            |
| Reference Design:   | Permit Plan 2                   | Offset TVD Reference:        | Offset Datum                     |

|                              |                                                                     |                |                     |
|------------------------------|---------------------------------------------------------------------|----------------|---------------------|
| Reference                    | Permit Plan 2                                                       |                |                     |
| Filter type:                 | NO GLOBAL FILTER: Using user defined selection & filtering criteria |                |                     |
| Interpolation Method:        | MD Interval 50.00ft                                                 | Error Model:   | ISCWSA              |
| Depth Range:                 | Unlimited                                                           | Scan Method:   | Closest Approach 3D |
| Results Limited by:          | Maximum center-center distance of 1,500.00 ft                       | Error Surface: | Pedal Curve         |
| Warning Levels Evaluated at: | 2.00 Sigma                                                          | Casing Method: | Not applied         |

|                     |           |                             |             |                                            |
|---------------------|-----------|-----------------------------|-------------|--------------------------------------------|
| Survey Tool Program |           | Date 3/14/2019              |             |                                            |
| From (ft)           | To (ft)   | Survey (Wellbore)           | Tool Name   | Description                                |
| 0.00                | 25,666.37 | Permit Plan 2 (Wellbore #1) | MWD+IFR1+MS | OWSG MWD + IFR1 + Multi-Station Correction |

| Site Name                                                | Reference Measured Depth (ft) | Offset Measured Depth (ft) | Distance Between Centres (ft) | Distance Between Ellipses (ft) | Separation Factor | Warning                |
|----------------------------------------------------------|-------------------------------|----------------------------|-------------------------------|--------------------------------|-------------------|------------------------|
| Offset Well - Wellbore - Design                          |                               |                            |                               |                                |                   |                        |
| Sec 15-T23S-R31E                                         |                               |                            |                               |                                |                   |                        |
| Maldives 15-27 Fed Com 232H - Wellbore #1 - Permit PI    | 2,700.00                      | 2,701.10                   | 29.99                         | 11.05                          | 1.583             | Minor Risk, CC         |
| Maldives 15-27 Fed Com 232H - Wellbore #1 - Permit PI    | 2,750.00                      | 2,750.87                   | 30.18                         | 10.89                          | 1.564             | Minor Risk, ES, SF     |
| Todd 15 C Fed #003 (Active) - Wellbore #1 - No Surveys   | 4,010.56                      | 4,011.36                   | 1,206.96                      | 1,132.03                       | 16.109            | CC                     |
| Todd 15 C Fed #003 (Active) - Wellbore #1 - No Surveys   | 4,150.00                      | 4,150.85                   | 1,208.49                      | 1,131.00                       | 15.597            | ES                     |
| Todd 15 C Fed #003 (Active) - Wellbore #1 - No Surveys   | 8,700.00                      | 8,693.22                   | 1,499.72                      | 1,338.41                       | 9.297             | SF                     |
| Todd 15 D Fed #004 (P&A) - Wellbore #1 - Inc Only Surv   | 4,110.80                      | 4,110.59                   | 251.20                        | 124.45                         | 1.982             | Minor Risk, CC         |
| Todd 15 D Fed #004 (P&A) - Wellbore #1 - Inc Only Surv   | 4,250.00                      | 4,248.64                   | 253.60                        | 121.80                         | 1.924             | Minor Risk, ES         |
| Todd 15 D Fed #004 (P&A) - Wellbore #1 - Inc Only Surv   | 4,400.00                      | 4,398.62                   | 260.92                        | 123.93                         | 1.905             | Minor Risk, SF         |
| Todd 15 E Fed #005 (P&A) - Wellbore #1 - No Surveys      |                               |                            |                               |                                |                   | Out of range           |
| Sec 27-T23S-R31E                                         |                               |                            |                               |                                |                   |                        |
| Aldabra 27 Fed 1H - Wellbore #1 - Wellbore #1            | 25,666.80                     | 10,350.10                  | 215.48                        | 75.84                          | 1.543             | Minor Risk, CC, ES, SF |
| Todd 27 D Fed #004 - Wellbore #1 - Wellbore #1           |                               |                            |                               |                                |                   | Out of range           |
| Todd 27 LA Fed #012 (Active) - Wellbore #1 - Wellbore #1 |                               |                            |                               |                                |                   | Out of range           |
| Todd 27E Fed #005 (P&A) - Wellbore #1 - Wellbore #1      |                               |                            |                               |                                |                   | Out of range           |
| Todd 27M Fed #013 (Active) - Wellbore #1 - Wellbore #1   |                               |                            |                               |                                |                   | Out of range           |

| Offset Design              |                           |                           |                           |                   |                |                      |                        |             |                            |                             |                       |                      | Sec 15-T23S-R31E - Maldives 15-27 Fed Com 232H - Wellbore #1 - Permit Plan 2 |  | Offset Site Error: 0.00 ft |  |
|----------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|----------------------|------------------------|-------------|----------------------------|-----------------------------|-----------------------|----------------------|------------------------------------------------------------------------------|--|----------------------------|--|
| Survey Program: O-MWD+IFR1 |                           |                           |                           |                   |                |                      |                        |             |                            |                             |                       |                      |                                                                              |  | Offset Well Error: 0.50 ft |  |
| Reference                  |                           | Offset                    |                           | Semi Major Axis   |                | Highside<br>Toolface | Offset Wellbore Centre |             | Distance                   |                             | Minimum<br>Separation | Separation<br>Factor | Warning                                                                      |  |                            |  |
| Measured<br>Depth<br>(ft)  | Vertical<br>Depth<br>(ft) | Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Reference<br>(ft) | Offset<br>(ft) |                      | N-S<br>(ft)            | E-W<br>(ft) | Between<br>Centres<br>(ft) | Between<br>Ellipses<br>(ft) |                       |                      |                                                                              |  |                            |  |
| 0.00                       | 0.00                      | 1.10                      | 1.10                      | 0.50              | 0.50           | 89.66                | 0.18                   | 29.99       | 29.99                      |                             |                       |                      |                                                                              |  |                            |  |
| 50.00                      | 50.00                     | 51.10                     | 51.10                     | 0.50              | 0.50           | 89.66                | 0.18                   | 29.99       | 29.99                      | 28.98                       | 1.01                  | 29.787               |                                                                              |  |                            |  |
| 100.00                     | 100.00                    | 101.10                    | 101.10                    | 0.52              | 0.52           | 89.66                | 0.18                   | 29.99       | 29.99                      | 28.95                       | 1.04                  | 28.920               |                                                                              |  |                            |  |
| 150.00                     | 150.00                    | 151.10                    | 151.10                    | 0.59              | 0.59           | 89.66                | 0.18                   | 29.99       | 29.99                      | 28.81                       | 1.18                  | 25.340               |                                                                              |  |                            |  |
| 200.00                     | 200.00                    | 201.10                    | 201.10                    | 0.70              | 0.71           | 89.66                | 0.18                   | 29.99       | 29.99                      | 28.58                       | 1.41                  | 21.296               |                                                                              |  |                            |  |
| 250.00                     | 250.00                    | 251.10                    | 251.10                    | 0.84              | 0.84           | 89.66                | 0.18                   | 29.99       | 29.99                      | 28.31                       | 1.68                  | 17.851               |                                                                              |  |                            |  |
| 300.00                     | 300.00                    | 301.10                    | 301.10                    | 0.99              | 0.99           | 89.66                | 0.18                   | 29.99       | 29.99                      | 28.01                       | 1.98                  | 15.150               |                                                                              |  |                            |  |
| 350.00                     | 350.00                    | 351.10                    | 351.10                    | 1.15              | 1.15           | 89.66                | 0.18                   | 29.99       | 29.99                      | 27.69                       | 2.30                  | 13.061               |                                                                              |  |                            |  |
| 400.00                     | 400.00                    | 401.10                    | 401.10                    | 1.31              | 1.31           | 89.66                | 0.18                   | 29.99       | 29.99                      | 27.37                       | 2.62                  | 11.432               |                                                                              |  |                            |  |
| 450.00                     | 450.00                    | 451.10                    | 451.10                    | 1.48              | 1.48           | 89.66                | 0.18                   | 29.99       | 29.99                      | 27.03                       | 2.96                  | 10.139               |                                                                              |  |                            |  |
| 500.00                     | 500.00                    | 501.10                    | 501.10                    | 1.65              | 1.65           | 89.66                | 0.18                   | 29.99       | 29.99                      | 26.69                       | 3.30                  | 9.095                |                                                                              |  |                            |  |
| 550.00                     | 550.00                    | 551.10                    | 551.10                    | 1.82              | 1.82           | 89.66                | 0.18                   | 29.99       | 29.99                      | 26.35                       | 3.64                  | 8.237                |                                                                              |  |                            |  |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

|                     |                                 |                              |                                  |
|---------------------|---------------------------------|------------------------------|----------------------------------|
| Company:            | WCDSC Permian NM                | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Project:            | Eddy County (NAD 83 NM Eastern) | TVD Reference:               | RKB @ 3411.40ft                  |
| Reference Site:     | Sec 15-T23S-R31E                | MD Reference:                | RKB @ 3411.40ft                  |
| Site Error:         | 0.00 ft                         | North Reference:             | Grid                             |
| Reference Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Well Error:         | 0.50 ft                         | Output errors are at:        | 2.00 sigma                       |
| Reference Wellbore: | Wellbore #1                     | Database:                    | EDM r5000.141_Prod US            |
| Reference Design:   | Permit Plan 2                   | Offset TVD Reference:        | Offset Datum                     |

| Offset Design              |                     |                     |                     |                 |             |                       |                                 |          |                      |                       |                         |                   | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|---------------------------------|----------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD-IFR1 |                     |                     |                     |                 |             |                       |                                 |          |                      |                       |                         |                   | Offset Well Error: | 0.50 ft |
| Reference                  |                     | Offset              |                     | Semi-Major Axis |             | Distance              |                                 | Minimum  |                      | Separation            |                         | Warning           |                    |         |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre N-S (ft) | E-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |         |
| 600.00                     | 600.00              | 601.10              | 601.10              | 1.99            | 1.99        | 89.66                 | 0.18                            | 29.99    | 29.99                | 26.00                 | 3.99                    | 7.523             |                    |         |
| 650.00                     | 650.00              | 651.10              | 651.10              | 2.17            | 2.17        | 89.66                 | 0.18                            | 29.99    | 29.99                | 25.66                 | 4.33                    | 6.919             |                    |         |
| 700.00                     | 700.00              | 701.10              | 701.10              | 2.34            | 2.34        | 89.66                 | 0.18                            | 29.99    | 29.99                | 25.31                 | 4.68                    | 6.402             |                    |         |
| 750.00                     | 750.00              | 751.10              | 751.10              | 2.52            | 2.52        | 89.66                 | 0.18                            | 29.99    | 29.99                | 24.96                 | 5.04                    | 5.956             |                    |         |
| 800.00                     | 800.00              | 801.10              | 801.10              | 2.69            | 2.69        | 89.66                 | 0.18                            | 29.99    | 29.99                | 24.60                 | 5.39                    | 5.567             |                    |         |
| 850.00                     | 850.00              | 851.10              | 851.10              | 2.87            | 2.87        | 89.66                 | 0.18                            | 29.99    | 29.99                | 24.25                 | 5.74                    | 5.225             |                    |         |
| 900.00                     | 900.00              | 901.10              | 901.10              | 3.04            | 3.05        | 89.66                 | 0.18                            | 29.99    | 29.99                | 23.90                 | 6.09                    | 4.922             | Alert              |         |
| 950.00                     | 950.00              | 951.10              | 951.10              | 3.22            | 3.22        | 89.66                 | 0.18                            | 29.99    | 29.99                | 23.54                 | 6.45                    | 4.652             | Alert              |         |
| 1,000.00                   | 1,000.00            | 1,001.10            | 1,001.10            | 3.40            | 3.40        | 89.66                 | 0.18                            | 29.99    | 29.99                | 23.19                 | 6.80                    | 4.410             | Alert              |         |
| 1,050.00                   | 1,050.00            | 1,051.10            | 1,051.10            | 3.58            | 3.58        | 89.66                 | 0.18                            | 29.99    | 29.99                | 22.83                 | 7.16                    | 4.191             | Alert              |         |
| 1,100.00                   | 1,100.00            | 1,101.10            | 1,101.10            | 3.75            | 3.76        | 89.66                 | 0.18                            | 29.99    | 29.99                | 22.48                 | 7.51                    | 3.993             | Alert              |         |
| 1,150.00                   | 1,150.00            | 1,151.10            | 1,151.10            | 3.93            | 3.93        | 89.66                 | 0.18                            | 29.99    | 29.99                | 22.12                 | 7.87                    | 3.813             | Alert              |         |
| 1,200.00                   | 1,200.00            | 1,201.10            | 1,201.10            | 4.11            | 4.11        | 89.66                 | 0.18                            | 29.99    | 29.99                | 21.77                 | 8.22                    | 3.648             | Alert              |         |
| 1,250.00                   | 1,250.00            | 1,251.10            | 1,251.10            | 4.29            | 4.29        | 89.66                 | 0.18                            | 29.99    | 29.99                | 21.41                 | 8.58                    | 3.496             | Alert              |         |
| 1,300.00                   | 1,300.00            | 1,301.10            | 1,301.10            | 4.47            | 4.47        | 89.66                 | 0.18                            | 29.99    | 29.99                | 21.06                 | 8.93                    | 3.357             | Alert              |         |
| 1,350.00                   | 1,350.00            | 1,351.10            | 1,351.10            | 4.64            | 4.65        | 89.66                 | 0.18                            | 29.99    | 29.99                | 20.70                 | 9.29                    | 3.228             | Alert              |         |
| 1,400.00                   | 1,400.00            | 1,401.10            | 1,401.10            | 4.82            | 4.83        | 89.66                 | 0.18                            | 29.99    | 29.99                | 20.34                 | 9.65                    | 3.109             | Alert              |         |
| 1,450.00                   | 1,450.00            | 1,451.10            | 1,451.10            | 5.00            | 5.00        | 89.66                 | 0.18                            | 29.99    | 29.99                | 19.99                 | 10.00                   | 2.998             | Alert              |         |
| 1,500.00                   | 1,500.00            | 1,501.10            | 1,501.10            | 5.18            | 5.18        | 89.66                 | 0.18                            | 29.99    | 29.99                | 19.63                 | 10.36                   | 2.895             | Alert              |         |
| 1,550.00                   | 1,550.00            | 1,551.10            | 1,551.10            | 5.36            | 5.36        | 89.66                 | 0.18                            | 29.99    | 29.99                | 19.27                 | 10.72                   | 2.798             | Alert              |         |
| 1,600.00                   | 1,600.00            | 1,601.10            | 1,601.10            | 5.54            | 5.54        | 89.66                 | 0.18                            | 29.99    | 29.99                | 18.92                 | 11.07                   | 2.708             | Alert              |         |
| 1,650.00                   | 1,650.00            | 1,651.10            | 1,651.10            | 5.71            | 5.72        | 89.66                 | 0.18                            | 29.99    | 29.99                | 18.56                 | 11.43                   | 2.624             | Alert              |         |
| 1,700.00                   | 1,700.00            | 1,701.10            | 1,701.10            | 5.89            | 5.90        | 89.66                 | 0.18                            | 29.99    | 29.99                | 18.20                 | 11.79                   | 2.544             | Alert              |         |
| 1,750.00                   | 1,750.00            | 1,751.10            | 1,751.10            | 6.07            | 6.07        | 89.66                 | 0.18                            | 29.99    | 29.99                | 17.85                 | 12.15                   | 2.469             | Minor Risk         |         |
| 1,800.00                   | 1,800.00            | 1,801.10            | 1,801.10            | 6.25            | 6.25        | 89.66                 | 0.18                            | 29.99    | 29.99                | 17.49                 | 12.50                   | 2.399             | Minor Risk         |         |
| 1,850.00                   | 1,850.00            | 1,851.10            | 1,851.10            | 6.43            | 6.43        | 89.66                 | 0.18                            | 29.99    | 29.99                | 17.13                 | 12.86                   | 2.332             | Minor Risk         |         |
| 1,900.00                   | 1,900.00            | 1,901.10            | 1,901.10            | 6.61            | 6.61        | 89.66                 | 0.18                            | 29.99    | 29.99                | 16.77                 | 13.22                   | 2.269             | Minor Risk         |         |
| 1,950.00                   | 1,950.00            | 1,951.10            | 1,951.10            | 6.79            | 6.79        | 89.66                 | 0.18                            | 29.99    | 29.99                | 16.42                 | 13.57                   | 2.209             | Minor Risk         |         |
| 2,000.00                   | 2,000.00            | 2,001.10            | 2,001.10            | 6.96            | 6.97        | 89.66                 | 0.18                            | 29.99    | 29.99                | 16.06                 | 13.93                   | 2.153             | Minor Risk         |         |
| 2,050.00                   | 2,050.00            | 2,051.10            | 2,051.10            | 7.14            | 7.15        | 89.66                 | 0.18                            | 29.99    | 29.99                | 15.70                 | 14.29                   | 2.099             | Minor Risk         |         |
| 2,100.00                   | 2,100.00            | 2,101.10            | 2,101.10            | 7.32            | 7.33        | 89.66                 | 0.18                            | 29.99    | 29.99                | 15.34                 | 14.65                   | 2.047             | Minor Risk         |         |
| 2,150.00                   | 2,150.00            | 2,151.10            | 2,151.10            | 7.50            | 7.50        | 89.66                 | 0.18                            | 29.99    | 29.99                | 14.99                 | 15.01                   | 1.999             | Minor Risk         |         |
| 2,200.00                   | 2,200.00            | 2,201.10            | 2,201.10            | 7.68            | 7.68        | 89.66                 | 0.18                            | 29.99    | 29.99                | 14.63                 | 15.36                   | 1.952             | Minor Risk         |         |
| 2,250.00                   | 2,250.00            | 2,251.10            | 2,251.10            | 7.86            | 7.86        | 89.66                 | 0.18                            | 29.99    | 29.99                | 14.27                 | 15.72                   | 1.908             | Minor Risk         |         |
| 2,300.00                   | 2,300.00            | 2,301.10            | 2,301.10            | 8.04            | 8.04        | 89.66                 | 0.18                            | 29.99    | 29.99                | 13.91                 | 16.08                   | 1.865             | Minor Risk         |         |
| 2,350.00                   | 2,350.00            | 2,351.10            | 2,351.10            | 8.22            | 8.22        | 89.66                 | 0.18                            | 29.99    | 29.99                | 13.55                 | 16.44                   | 1.825             | Minor Risk         |         |
| 2,400.00                   | 2,400.00            | 2,401.10            | 2,401.10            | 8.40            | 8.40        | 89.66                 | 0.18                            | 29.99    | 29.99                | 13.20                 | 16.79                   | 1.786             | Minor Risk         |         |
| 2,450.00                   | 2,450.00            | 2,451.10            | 2,451.10            | 8.57            | 8.58        | 89.66                 | 0.18                            | 29.99    | 29.99                | 12.84                 | 17.15                   | 1.749             | Minor Risk         |         |
| 2,500.00                   | 2,500.00            | 2,501.10            | 2,501.10            | 8.75            | 8.76        | 89.66                 | 0.18                            | 29.99    | 29.99                | 12.48                 | 17.51                   | 1.713             | Minor Risk         |         |
| 2,550.00                   | 2,550.00            | 2,551.10            | 2,551.10            | 8.93            | 8.94        | 89.66                 | 0.18                            | 29.99    | 29.99                | 12.12                 | 17.87                   | 1.678             | Minor Risk         |         |
| 2,600.00                   | 2,600.00            | 2,601.10            | 2,601.10            | 9.11            | 9.11        | 89.66                 | 0.18                            | 29.99    | 29.99                | 11.76                 | 18.23                   | 1.646             | Minor Risk         |         |
| 2,650.00                   | 2,650.00            | 2,651.10            | 2,651.10            | 9.29            | 9.29        | 89.66                 | 0.18                            | 29.99    | 29.99                | 11.41                 | 18.58                   | 1.614             | Minor Risk         |         |
| 2,700.00                   | 2,700.00            | 2,701.10            | 2,701.10            | 9.47            | 9.47        | 89.66                 | 0.18                            | 29.99    | 29.99                | 11.05                 | 18.94                   | 1.583             | Minor Risk, CC     |         |
| 2,750.00                   | 2,750.00            | 2,750.87            | 2,750.87            | 9.65            | 9.65        | 89.43                 | 0.30                            | 30.18    | 30.18                | 10.89                 | 19.30                   | 1.564             | Minor Risk, ES, SF |         |
| 2,800.00                   | 2,800.00            | 2,800.64            | 2,800.64            | 9.83            | 9.82        | 88.78                 | 0.65                            | 30.74    | 30.75                | 11.10                 | 19.65                   | 1.565             | Minor Risk         |         |
| 2,850.00                   | 2,850.00            | 2,850.40            | 2,850.38            | 10.01           | 10.00       | 87.76                 | 1.24                            | 31.66    | 31.69                | 11.69                 | 20.00                   | 1.584             | Minor Risk         |         |
| 2,900.00                   | 2,900.00            | 2,900.13            | 2,900.09            | 10.19           | 10.17       | 86.43                 | 2.06                            | 32.94    | 33.02                | 12.67                 | 20.35                   | 1.623             | Minor Risk         |         |
| 2,950.00                   | 2,950.00            | 2,949.83            | 2,949.75            | 10.36           | 10.35       | 84.87                 | 3.10                            | 34.58    | 34.75                | 14.05                 | 20.70                   | 1.679             | Minor Risk         |         |
| 3,000.00                   | 3,000.00            | 2,999.50            | 2,999.36            | 10.54           | 10.52       | 83.17                 | 4.38                            | 36.59    | 36.89                | 15.85                 | 21.04                   | 1.753             | Minor Risk         |         |
| 3,050.00                   | 3,050.00            | 3,049.12            | 3,048.90            | 10.72           | 10.70       | 81.41                 | 5.89                            | 38.96    | 39.46                | 18.08                 | 21.39                   | 1.845             | Minor Risk         |         |
| 3,100.00                   | 3,100.00            | 3,098.69            | 3,098.36            | 10.90           | 10.87       | 79.64                 | 7.62                            | 41.69    | 42.47                | 20.74                 | 21.73                   | 1.954             | Minor Risk         |         |
| 3,150.00                   | 3,150.00            | 3,148.19            | 3,147.74            | 11.08           | 11.05       | 77.91                 | 9.59                            | 44.77    | 45.91                | 23.84                 | 22.07                   | 2.080             | Minor Risk         |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

|                     |                                 |                              |                                  |
|---------------------|---------------------------------|------------------------------|----------------------------------|
| Company:            | WCDSC Permian NM                | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Project:            | Eddy County (NAD 83 NM Eastern) | TVD Reference:               | RKB @ 3411.40ft                  |
| Reference Site:     | Sec 15-T23S-R31E                | MD Reference:                | RKB @ 3411.40ft                  |
| Site Error:         | 0.00 ft                         | North Reference:             | Grid                             |
| Reference Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Well Error:         | 0.50 ft                         | Output errors are at:        | 2.00 sigma                       |
| Reference Wellbore: | Wellbore #1                     | Database:                    | EDM r5000.141_Prod US            |
| Reference Design:   | Permit Plan 2                   | Offset TVD Reference:        | Offset Datum                     |

| Offset Design: Sec 15-T23S-R31E - Maldives 15-27 Fed Com 232H - Wellbore #1 - Permit Plan 2 |                     |                     |                     |                 |             |                        |                                 |                    |                      |                       |                         |                   |            | Offset Site Error: | 0.00 ft |
|---------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|------------------------|---------------------------------|--------------------|----------------------|-----------------------|-------------------------|-------------------|------------|--------------------|---------|
| Survey Program: 0-MWD-IFR1                                                                  |                     |                     |                     |                 |             |                        |                                 |                    |                      |                       |                         |                   |            | Offset Well Error: | 0.50 ft |
| Reference                                                                                   |                     | Offset              |                     | Semi Major Axis |             | Distance               |                                 | Minimum Separation |                      | Separation Factor     |                         | Warning           |            |                    |         |
| Measured Depth (ft)                                                                         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Tooffset (ft) | Offset Wellbore Centre N-S (ft) | E-W (ft)           | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning    |                    |         |
| 3,200.00                                                                                    | 3,200.00            | 3,197.63            | 3,197.01            | 11.26           | 11.22       | 76.27                  | 11.77                           | 49.21              | 49.80                | 27.38                 | 22.41                   | 2.222             | Minor Risk |                    |         |
| 3,250.00                                                                                    | 3,250.00            | 3,247.00            | 3,246.17            | 11.44           | 11.39       | 74.74                  | 14.19                           | 52.00              | 54.13                | 31.38                 | 22.75                   | 2.379             | Minor Risk |                    |         |
| 3,300.00                                                                                    | 3,300.00            | 3,302.93            | 3,295.18            | 11.62           | 11.59       | 73.32                  | 16.82                           | 56.14              | 58.90                | 35.80                 | 23.11                   | 2.549             | Alert      |                    |         |
| 3,350.00                                                                                    | 3,350.00            | 3,345.98            | 3,344.63            | 11.80           | 11.74       | 72.05                  | 19.61                           | 60.52              | 63.95                | 40.51                 | 23.44                   | 2.729             | Alert      |                    |         |
| 3,400.00                                                                                    | 3,400.00            | 3,404.29            | 3,394.09            | 11.98           | 11.95       | 70.96                  | 22.40                           | 64.90              | 69.02                | 45.20                 | 23.82                   | 2.898             | Alert      |                    |         |
| 3,450.00                                                                                    | 3,450.00            | 3,445.43            | 3,443.54            | 12.15           | 12.10       | 70.02                  | 25.19                           | 69.29              | 74.11                | 49.97                 | 24.14                   | 3.070             | Alert      |                    |         |
| 3,500.00                                                                                    | 3,500.00            | 3,504.84            | 3,492.99            | 12.33           | 12.31       | 69.21                  | 27.98                           | 73.67              | 79.22                | 54.69                 | 24.53                   | 3.230             | Alert      |                    |         |
| 3,550.00                                                                                    | 3,550.00            | 3,544.88            | 3,542.45            | 12.51           | 12.45       | 68.49                  | 30.76                           | 78.05              | 84.34                | 59.49                 | 24.85                   | 3.394             | Alert      |                    |         |
| 3,600.00                                                                                    | 3,600.00            | 3,605.39            | 3,591.90            | 12.69           | 12.67       | 67.85                  | 33.55                           | 82.43              | 89.47                | 64.23                 | 25.24                   | 3.545             | Alert      |                    |         |
| 3,650.00                                                                                    | 3,650.00            | 3,644.34            | 3,641.36            | 12.87           | 12.80       | 67.29                  | 36.34                           | 86.82              | 94.62                | 69.06                 | 25.56                   | 3.702             | Alert      |                    |         |
| 3,700.00                                                                                    | 3,700.00            | 3,705.94            | 3,690.81            | 13.05           | 13.02       | 66.78                  | 39.13                           | 91.20              | 99.77                | 73.82                 | 25.95                   | 3.844             | Alert      |                    |         |
| 3,750.00                                                                                    | 3,750.00            | 3,743.79            | 3,740.27            | 13.23           | 13.16       | 66.32                  | 41.92                           | 95.58              | 104.93               | 78.67                 | 26.26                   | 3.995             | Alert      |                    |         |
| 3,800.00                                                                                    | 3,800.00            | 3,806.48            | 3,789.72            | 13.41           | 13.38       | 65.90                  | 44.71                           | 99.96              | 110.09               | 83.43                 | 26.66                   | 4.129             | Alert      |                    |         |
| 3,850.00                                                                                    | 3,850.00            | 3,843.24            | 3,839.18            | 13.59           | 13.51       | 65.53                  | 47.50                           | 104.34             | 115.26               | 88.29                 | 26.97                   | 4.273             | Alert      |                    |         |
| 3,900.00                                                                                    | 3,900.00            | 3,907.03            | 3,888.63            | 13.77           | 13.74       | 65.18                  | 50.29                           | 108.73             | 120.44               | 93.06                 | 27.38                   | 4.399             | Alert      |                    |         |
| 3,950.00                                                                                    | 3,950.00            | 3,942.70            | 3,938.08            | 13.95           | 13.87       | 64.86                  | 53.07                           | 113.11             | 125.62               | 97.93                 | 27.68                   | 4.538             | Alert      |                    |         |
| 4,000.00                                                                                    | 4,000.00            | 4,007.58            | 3,987.54            | 14.12           | 14.10       | 64.57                  | 55.86                           | 117.49             | 130.80               | 102.71                | 28.09                   | 4.658             | Alert      |                    |         |
| 4,050.00                                                                                    | 4,050.00            | 4,042.14            | 4,036.99            | 14.30           | 14.23       | 104.95                 | 58.65                           | 121.87             | 136.06               | 107.66                | 28.39                   | 4.792             | Alert      |                    |         |
| 4,100.00                                                                                    | 4,099.99            | 4,108.15            | 4,086.42            | 14.48           | 14.46       | 104.95                 | 61.44                           | 126.25             | 141.45               | 112.65                | 28.81                   | 4.911             | Alert      |                    |         |
| 4,150.00                                                                                    | 4,149.97            | 4,141.54            | 4,135.84            | 14.66           | 14.58       | 105.16                 | 64.22                           | 130.63             | 146.99               | 117.89                | 29.10                   | 5.051             |            |                    |         |
| 4,200.00                                                                                    | 4,199.94            | 4,208.80            | 4,185.23            | 14.84           | 14.82       | 105.54                 | 67.01                           | 135.01             | 152.67               | 123.16                | 29.52                   | 5.172             |            |                    |         |
| 4,250.00                                                                                    | 4,249.88            | 4,240.83            | 4,234.59            | 15.01           | 14.94       | 106.07                 | 69.79                           | 139.38             | 158.52               | 128.71                | 29.81                   | 5.318             |            |                    |         |
| 4,300.00                                                                                    | 4,299.79            | 4,290.42            | 4,283.91            | 15.19           | 15.12       | 106.75                 | 72.57                           | 143.75             | 164.53               | 134.37                | 30.16                   | 5.455             |            |                    |         |
| 4,350.00                                                                                    | 4,349.66            | 4,339.97            | 4,333.19            | 15.37           | 15.30       | 107.54                 | 75.35                           | 148.12             | 170.74               | 140.23                | 30.51                   | 5.596             |            |                    |         |
| 4,400.00                                                                                    | 4,399.49            | 4,389.47            | 4,382.42            | 15.54           | 15.47       | 108.44                 | 78.13                           | 152.48             | 177.15               | 146.28                | 30.86                   | 5.740             |            |                    |         |
| 4,450.00                                                                                    | 4,449.29            | 4,438.93            | 4,431.60            | 15.72           | 15.65       | 109.45                 | 80.90                           | 156.84             | 183.75               | 152.54                | 31.22                   | 5.886             |            |                    |         |
| 4,500.00                                                                                    | 4,499.08            | 4,488.38            | 4,480.78            | 15.90           | 15.83       | 110.43                 | 83.68                           | 161.20             | 190.43               | 158.86                | 31.57                   | 6.032             |            |                    |         |
| 4,550.00                                                                                    | 4,548.87            | 4,537.83            | 4,529.96            | 16.08           | 16.01       | 111.34                 | 86.45                           | 165.56             | 197.16               | 165.23                | 31.92                   | 6.176             |            |                    |         |
| 4,600.00                                                                                    | 4,598.66            | 4,587.28            | 4,579.14            | 16.25           | 16.19       | 112.19                 | 89.22                           | 169.91             | 203.93               | 171.65                | 32.27                   | 6.319             |            |                    |         |
| 4,650.00                                                                                    | 4,648.45            | 4,636.73            | 4,628.32            | 16.43           | 16.36       | 112.99                 | 92.00                           | 174.27             | 210.74               | 178.11                | 32.63                   | 6.459             |            |                    |         |
| 4,700.00                                                                                    | 4,698.24            | 4,686.18            | 4,677.50            | 16.61           | 16.54       | 113.73                 | 94.77                           | 178.63             | 217.59               | 184.61                | 32.98                   | 6.598             |            |                    |         |
| 4,750.00                                                                                    | 4,748.03            | 4,735.63            | 4,726.68            | 16.79           | 16.72       | 114.44                 | 97.54                           | 182.99             | 224.48               | 191.15                | 33.33                   | 6.735             |            |                    |         |
| 4,800.00                                                                                    | 4,797.82            | 4,785.08            | 4,775.86            | 16.96           | 16.90       | 115.10                 | 100.32                          | 187.35             | 231.39               | 197.71                | 33.68                   | 6.869             |            |                    |         |
| 4,850.00                                                                                    | 4,847.61            | 4,834.53            | 4,825.04            | 17.14           | 17.08       | 115.72                 | 103.09                          | 191.70             | 238.34               | 204.30                | 34.04                   | 7.002             |            |                    |         |
| 4,900.00                                                                                    | 4,897.40            | 4,883.98            | 4,874.22            | 17.32           | 17.26       | 116.30                 | 105.86                          | 196.05             | 245.31               | 210.92                | 34.39                   | 7.133             |            |                    |         |
| 4,950.00                                                                                    | 4,947.19            | 4,933.44            | 4,923.40            | 17.50           | 17.44       | 116.86                 | 108.63                          | 200.42             | 252.31               | 217.56                | 34.74                   | 7.262             |            |                    |         |
| 5,000.00                                                                                    | 4,996.98            | 4,982.89            | 4,972.58            | 17.68           | 17.62       | 117.38                 | 111.41                          | 204.78             | 259.32               | 224.22                | 35.10                   | 7.389             |            |                    |         |
| 5,050.00                                                                                    | 5,046.78            | 5,032.34            | 5,021.76            | 17.85           | 17.79       | 117.88                 | 114.18                          | 209.14             | 266.36               | 230.91                | 35.45                   | 7.513             |            |                    |         |
| 5,100.00                                                                                    | 5,096.57            | 5,081.79            | 5,070.94            | 18.03           | 17.97       | 118.35                 | 116.95                          | 213.49             | 273.42               | 237.61                | 35.81                   | 7.636             |            |                    |         |
| 5,150.00                                                                                    | 5,146.36            | 5,131.24            | 5,120.12            | 18.21           | 18.15       | 118.80                 | 119.73                          | 217.85             | 280.49               | 244.33                | 36.16                   | 7.757             |            |                    |         |
| 5,200.00                                                                                    | 5,196.15            | 5,180.69            | 5,169.30            | 18.39           | 18.33       | 119.22                 | 122.50                          | 222.21             | 287.58               | 251.06                | 36.51                   | 7.876             |            |                    |         |
| 5,250.00                                                                                    | 5,245.94            | 5,230.14            | 5,218.49            | 18.57           | 18.51       | 119.63                 | 125.27                          | 226.57             | 294.68               | 257.81                | 36.87                   | 7.993             |            |                    |         |
| 5,300.00                                                                                    | 5,295.73            | 5,279.59            | 5,267.67            | 18.75           | 18.69       | 120.01                 | 128.05                          | 230.92             | 301.80               | 264.58                | 37.22                   | 8.108             |            |                    |         |
| 5,350.00                                                                                    | 5,345.52            | 5,329.04            | 5,316.85            | 18.93           | 18.87       | 120.38                 | 130.82                          | 235.28             | 308.93               | 271.35                | 37.58                   | 8.222             |            |                    |         |
| 5,400.00                                                                                    | 5,395.31            | 5,378.49            | 5,366.03            | 19.10           | 19.05       | 120.73                 | 133.59                          | 239.64             | 316.07               | 278.14                | 37.93                   | 8.333             |            |                    |         |
| 5,450.00                                                                                    | 5,445.10            | 5,427.94            | 5,415.21            | 19.28           | 19.23       | 121.07                 | 136.37                          | 244.00             | 323.23               | 284.94                | 38.28                   | 8.443             |            |                    |         |
| 5,500.00                                                                                    | 5,494.89            | 5,477.39            | 5,464.39            | 19.46           | 19.41       | 121.39                 | 139.14                          | 248.36             | 330.39               | 291.75                | 38.64                   | 8.551             |            |                    |         |
| 5,550.00                                                                                    | 5,544.68            | 5,526.84            | 5,513.57            | 19.64           | 19.59       | 121.70                 | 141.91                          | 252.71             | 337.56               | 298.57                | 38.99                   | 8.657             |            |                    |         |
| 5,600.00                                                                                    | 5,594.47            | 5,576.30            | 5,562.75            | 19.82           | 19.77       | 121.99                 | 144.69                          | 257.07             | 344.75               | 305.40                | 39.35                   | 8.761             |            |                    |         |
| 5,650.00                                                                                    | 5,644.26            | 5,625.75            | 5,611.93            | 20.00           | 19.95       | 122.28                 | 147.46                          | 261.43             | 351.94               | 312.23                | 39.70                   | 8.864             |            |                    |         |
| 5,700.00                                                                                    | 5,694.05            | 5,675.20            | 5,661.11            | 20.18           | 20.13       | 122.55                 | 150.23                          | 265.79             | 359.14               | 319.08                | 40.06                   | 8.965             |            |                    |         |
| 5,750.00                                                                                    | 5,743.85            | 5,724.65            | 5,710.29            | 20.36           | 20.30       | 122.81                 | 153.01                          | 270.15             | 366.34               | 325.93                | 40.41                   | 9.065             |            |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

|                     |                                 |                              |                                  |
|---------------------|---------------------------------|------------------------------|----------------------------------|
| Company:            | WCDSC Permian NM                | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Project:            | Eddy County (NAD 83 NM Eastern) | TVD Reference:               | RKB @ 3411.40ft                  |
| Reference Site:     | Sec 15-T23S-R31E                | MD Reference:                | RKB @ 3411.40ft                  |
| Site Error:         | 0.00 ft                         | North Reference:             | Grid                             |
| Reference Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Well Error:         | 0.50 ft                         | Output errors are at         | 2.00 sigma                       |
| Reference Wellbore: | Wellbore #1                     | Database:                    | EDM r5000.141_Prod US            |
| Reference Design:   | Permit Plan 2                   | Offset TVD Reference:        | Offset Datum                     |

| Offset Design              |                     |                     |                     |                 |             |                       |                                 |          |                      |                       |                         |                   |         | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|---------------------------------|----------|----------------------|-----------------------|-------------------------|-------------------|---------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                     |                     |                     |                 |             |                       |                                 |          |                      |                       |                         |                   |         | Offset Well Error: | 0.50 ft |
| Reference                  |                     |                     |                     |                 |             |                       |                                 |          |                      |                       |                         |                   |         |                    |         |
| Reference                  |                     | Offset              |                     | Semi Major Axis |             | Distance              |                                 |          |                      |                       |                         |                   |         |                    |         |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre N-S (ft) | E-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning |                    |         |
| 5,800.00                   | 5,793.64            | 5,774.10            | 5,759.47            | 20.53           | 20.48       | 123.06                | 155.78                          | 274.50   | 373.56               | 332.79                | 40.77                   | 9.163             |         |                    |         |
| 5,850.00                   | 5,843.43            | 5,823.55            | 5,808.65            | 20.71           | 20.66       | 123.30                | 158.55                          | 278.86   | 380.78               | 339.66                | 41.12                   | 9.259             |         |                    |         |
| 5,900.00                   | 5,893.22            | 5,873.00            | 5,857.83            | 20.89           | 20.84       | 123.53                | 161.33                          | 283.22   | 388.01               | 346.53                | 41.48                   | 9.354             |         |                    |         |
| 5,950.00                   | 5,943.01            | 5,922.45            | 5,907.01            | 21.07           | 21.02       | 123.76                | 164.10                          | 287.58   | 395.24               | 353.41                | 41.83                   | 9.448             |         |                    |         |
| 6,000.00                   | 5,992.80            | 5,971.90            | 5,956.19            | 21.25           | 21.20       | 123.97                | 166.87                          | 291.94   | 402.48               | 360.29                | 42.19                   | 9.540             |         |                    |         |
| 6,050.00                   | 6,042.59            | 6,021.35            | 6,005.37            | 21.43           | 21.38       | 124.18                | 169.65                          | 296.29   | 409.72               | 367.18                | 42.55                   | 9.630             |         |                    |         |
| 6,100.00                   | 6,092.38            | 6,070.80            | 6,054.55            | 21.61           | 21.56       | 124.38                | 172.42                          | 300.65   | 416.97               | 374.07                | 42.90                   | 9.719             |         |                    |         |
| 6,150.00                   | 6,142.17            | 6,120.25            | 6,103.73            | 21.79           | 21.74       | 124.58                | 175.19                          | 305.01   | 424.23               | 380.97                | 43.26                   | 9.807             |         |                    |         |
| 6,200.00                   | 6,191.96            | 6,169.71            | 6,152.91            | 21.97           | 21.92       | 124.77                | 177.97                          | 309.37   | 431.49               | 387.88                | 43.61                   | 9.894             |         |                    |         |
| 6,250.00                   | 6,241.75            | 6,219.16            | 6,202.09            | 22.15           | 22.10       | 124.95                | 180.74                          | 313.73   | 438.75               | 394.78                | 43.97                   | 9.979             |         |                    |         |
| 6,300.00                   | 6,291.54            | 6,268.61            | 6,251.27            | 22.33           | 22.28       | 125.12                | 183.51                          | 318.08   | 446.02               | 401.70                | 44.32                   | 10.063            |         |                    |         |
| 6,350.00                   | 6,341.33            | 6,318.06            | 6,300.45            | 22.51           | 22.46       | 125.29                | 186.29                          | 322.44   | 453.29               | 408.61                | 44.68                   | 10.145            |         |                    |         |
| 6,400.00                   | 6,391.12            | 6,367.51            | 6,349.63            | 22.69           | 22.64       | 125.46                | 189.06                          | 326.80   | 460.57               | 415.53                | 45.04                   | 10.227            |         |                    |         |
| 6,450.00                   | 6,440.91            | 6,416.96            | 6,398.81            | 22.87           | 22.82       | 125.62                | 191.83                          | 331.16   | 467.85               | 422.45                | 45.39                   | 10.307            |         |                    |         |
| 6,500.00                   | 6,490.71            | 6,466.41            | 6,447.99            | 23.05           | 23.00       | 125.77                | 194.60                          | 335.51   | 475.13               | 429.38                | 45.75                   | 10.386            |         |                    |         |
| 6,550.00                   | 6,540.50            | 6,515.86            | 6,497.17            | 23.23           | 23.18       | 125.92                | 197.38                          | 339.87   | 482.41               | 436.31                | 46.10                   | 10.463            |         |                    |         |
| 6,600.00                   | 6,590.29            | 6,565.31            | 6,546.35            | 23.41           | 23.36       | 126.07                | 200.15                          | 344.23   | 489.70               | 443.24                | 46.46                   | 10.540            |         |                    |         |
| 6,650.00                   | 6,640.08            | 6,614.76            | 6,595.53            | 23.59           | 23.54       | 126.21                | 202.92                          | 348.59   | 497.00               | 450.18                | 46.82                   | 10.616            |         |                    |         |
| 6,700.00                   | 6,689.87            | 6,664.21            | 6,644.71            | 23.76           | 23.72       | 126.34                | 205.70                          | 352.95   | 504.29               | 457.12                | 47.17                   | 10.690            |         |                    |         |
| 6,750.00                   | 6,739.66            | 6,713.66            | 6,693.89            | 23.94           | 23.90       | 126.48                | 208.47                          | 357.30   | 511.59               | 464.06                | 47.53                   | 10.763            |         |                    |         |
| 6,800.00                   | 6,789.45            | 6,763.11            | 6,743.07            | 24.12           | 24.08       | 126.61                | 211.24                          | 361.66   | 518.89               | 471.00                | 47.89                   | 10.836            |         |                    |         |
| 6,850.00                   | 6,839.24            | 6,812.57            | 6,792.25            | 24.30           | 24.27       | 126.73                | 214.02                          | 366.02   | 526.19               | 477.95                | 48.24                   | 10.907            |         |                    |         |
| 6,900.00                   | 6,889.03            | 6,862.02            | 6,841.43            | 24.48           | 24.45       | 126.85                | 216.79                          | 370.38   | 533.50               | 484.90                | 48.60                   | 10.977            |         |                    |         |
| 6,950.00                   | 6,938.82            | 6,911.47            | 6,890.61            | 24.66           | 24.63       | 126.97                | 219.56                          | 374.74   | 540.80               | 491.85                | 48.96                   | 11.046            |         |                    |         |
| 7,000.00                   | 6,988.61            | 6,960.92            | 6,939.79            | 24.84           | 24.81       | 127.09                | 222.34                          | 379.09   | 548.11               | 498.80                | 49.31                   | 11.115            |         |                    |         |
| 7,050.00                   | 7,038.40            | 7,010.37            | 6,988.97            | 25.02           | 24.99       | 127.20                | 225.11                          | 383.45   | 555.42               | 505.75                | 49.67                   | 11.182            |         |                    |         |
| 7,100.00                   | 7,088.19            | 7,059.82            | 7,038.15            | 25.20           | 25.17       | 127.31                | 227.88                          | 387.81   | 562.74               | 512.71                | 50.03                   | 11.249            |         |                    |         |
| 7,150.00                   | 7,137.98            | 7,109.27            | 7,087.34            | 25.38           | 25.35       | 127.42                | 230.66                          | 392.17   | 570.05               | 519.67                | 50.38                   | 11.314            |         |                    |         |
| 7,200.00                   | 7,187.78            | 7,158.72            | 7,136.52            | 25.56           | 25.53       | 127.52                | 233.43                          | 396.53   | 577.37               | 526.63                | 50.74                   | 11.379            |         |                    |         |
| 7,250.00                   | 7,237.57            | 7,208.17            | 7,185.70            | 25.74           | 25.71       | 127.63                | 236.20                          | 400.88   | 584.69               | 533.59                | 51.10                   | 11.442            |         |                    |         |
| 7,300.00                   | 7,287.36            | 7,257.62            | 7,234.88            | 25.92           | 25.89       | 127.73                | 238.98                          | 405.24   | 592.01               | 540.56                | 51.46                   | 11.505            |         |                    |         |
| 7,350.00                   | 7,337.15            | 7,307.07            | 7,284.06            | 26.10           | 26.07       | 127.82                | 241.75                          | 409.60   | 599.34               | 547.52                | 51.81                   | 11.567            |         |                    |         |
| 7,400.00                   | 7,386.94            | 7,356.52            | 7,333.24            | 26.28           | 26.25       | 127.92                | 244.52                          | 413.96   | 606.66               | 554.49                | 52.17                   | 11.629            |         |                    |         |
| 7,450.00                   | 7,436.73            | 7,405.98            | 7,382.42            | 26.46           | 26.43       | 128.01                | 247.30                          | 418.32   | 613.99               | 561.46                | 52.53                   | 11.689            |         |                    |         |
| 7,500.00                   | 7,486.52            | 7,455.43            | 7,431.60            | 26.64           | 26.61       | 128.10                | 250.07                          | 422.67   | 621.31               | 568.43                | 52.88                   | 11.749            |         |                    |         |
| 7,550.00                   | 7,536.31            | 7,504.88            | 7,480.78            | 26.82           | 26.79       | 128.19                | 252.84                          | 427.03   | 628.64               | 575.40                | 53.24                   | 11.807            |         |                    |         |
| 7,600.00                   | 7,586.10            | 7,554.33            | 7,529.96            | 27.01           | 26.97       | 128.27                | 255.62                          | 431.39   | 635.97               | 582.38                | 53.60                   | 11.865            |         |                    |         |
| 7,650.00                   | 7,635.89            | 7,603.78            | 7,579.14            | 27.19           | 27.15       | 128.36                | 258.39                          | 435.75   | 643.31               | 589.35                | 53.96                   | 11.923            |         |                    |         |
| 7,700.00                   | 7,685.68            | 7,653.23            | 7,628.32            | 27.37           | 27.33       | 128.44                | 261.16                          | 440.11   | 650.64               | 596.33                | 54.31                   | 11.979            |         |                    |         |
| 7,750.00                   | 7,735.47            | 7,702.68            | 7,677.50            | 27.55           | 27.51       | 128.52                | 263.94                          | 444.46   | 657.97               | 603.30                | 54.67                   | 12.035            |         |                    |         |
| 7,800.00                   | 7,785.26            | 7,752.13            | 7,726.68            | 27.73           | 27.70       | 128.60                | 266.71                          | 448.82   | 665.31               | 610.28                | 55.03                   | 12.090            |         |                    |         |
| 7,850.00                   | 7,835.05            | 7,801.58            | 7,775.86            | 27.91           | 27.88       | 128.67                | 269.48                          | 453.18   | 672.65               | 617.26                | 55.39                   | 12.145            |         |                    |         |
| 7,900.00                   | 7,884.84            | 7,851.03            | 7,825.04            | 28.09           | 28.06       | 128.75                | 272.26                          | 457.54   | 679.99               | 624.24                | 55.74                   | 12.198            |         |                    |         |
| 7,950.00                   | 7,934.64            | 7,900.48            | 7,874.22            | 28.27           | 28.24       | 128.82                | 275.03                          | 461.89   | 687.32               | 631.22                | 56.10                   | 12.251            |         |                    |         |
| 8,000.00                   | 7,984.43            | 7,949.93            | 7,923.40            | 28.45           | 28.42       | 128.90                | 277.80                          | 466.25   | 694.67               | 638.21                | 56.46                   | 12.304            |         |                    |         |
| 8,050.00                   | 8,034.22            | 7,999.38            | 7,972.58            | 28.63           | 28.60       | 128.97                | 280.57                          | 470.61   | 702.01               | 645.19                | 56.82                   | 12.355            |         |                    |         |
| 8,100.00                   | 8,084.01            | 8,048.84            | 8,021.76            | 28.81           | 28.78       | 129.03                | 283.35                          | 474.97   | 709.35               | 652.17                | 57.18                   | 12.407            |         |                    |         |
| 8,150.00                   | 8,133.80            | 8,101.71            | 8,070.94            | 28.99           | 28.97       | 129.10                | 286.12                          | 479.33   | 716.69               | 659.15                | 57.55                   | 12.454            |         |                    |         |
| 8,200.00                   | 8,183.59            | 8,147.74            | 8,120.12            | 29.17           | 29.14       | 129.17                | 288.89                          | 483.68   | 724.04               | 666.15                | 57.89                   | 12.507            |         |                    |         |
| 8,250.00                   | 8,233.38            | 8,202.81            | 8,169.30            | 29.35           | 29.34       | 129.23                | 291.67                          | 488.04   | 731.38               | 673.11                | 58.27                   | 12.552            |         |                    |         |
| 8,300.00                   | 8,283.17            | 8,246.64            | 8,218.48            | 29.53           | 29.50       | 129.30                | 294.44                          | 492.40   | 738.73               | 680.12                | 58.61                   | 12.605            |         |                    |         |
| 8,350.00                   | 8,332.96            | 8,303.91            | 8,267.66            | 29.71           | 29.71       | 129.36                | 297.21                          | 496.76   | 746.08               | 687.08                | 58.99                   | 12.647            |         |                    |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

|                     |                                 |                              |                                  |
|---------------------|---------------------------------|------------------------------|----------------------------------|
| Company:            | WCDSC Permian NM                | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Project:            | Eddy County (NAD 83 NM Eastern) | TVD Reference:               | RKB @ 3411.40ft                  |
| Reference Site:     | Sec 15-T23S-R31E                | MD Reference:                | RKB @ 3411.40ft                  |
| Site Error:         | 0.00 ft                         | North Reference:             | Grid                             |
| Reference Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Well Error:         | 0.50 ft                         | Output errors are at         | 2.00 sigma                       |
| Reference Wellbore: | Wellbore #1                     | Database:                    | EDM r5000.141_Prod US            |
| Reference Design:   | Permit Plan 2                   | Offset TVD Reference:        | Offset Datum                     |

| Offset Design: Sec 15-T23S-R31E - Maldives 15-27 Fed Com 232H - Wellbore #1 - Permit Plan 2 |                     |                     |                     |                 |             |                       |                                 |                                 |                      |                       |                         |                   |         | Offset Site Error: | 0.00 ft |
|---------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|---------------------------------|---------------------------------|----------------------|-----------------------|-------------------------|-------------------|---------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                                                  |                     |                     |                     |                 |             |                       |                                 |                                 |                      |                       |                         |                   |         | Offset Well Error: | 0.50 ft |
| Reference                                                                                   |                     | Offset              |                     | Semi-Major Axis |             | Distance              |                                 |                                 |                      |                       |                         |                   |         |                    |         |
| Measured Depth (ft)                                                                         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre N/S (ft) | Offset Wellbore Centre E/W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning |                    |         |
| 8,400.00                                                                                    | 8,382.75            | 8,345.54            | 8,316.84            | 29.89           | 29.86       | 129.42                | 299.99                          | 501.12                          | 753.42               | 694.10                | 59.32                   | 12.700            |         |                    |         |
| 8,450.00                                                                                    | 8,432.54            | 8,394.99            | 8,366.02            | 30.07           | 30.05       | 129.48                | 302.76                          | 505.47                          | 760.77               | 701.09                | 59.68                   | 12.747            |         |                    |         |
| 8,500.00                                                                                    | 8,482.33            | 8,444.44            | 8,415.20            | 30.25           | 30.23       | 129.54                | 305.53                          | 509.83                          | 768.12               | 708.08                | 60.04                   | 12.794            |         |                    |         |
| 8,550.00                                                                                    | 8,532.12            | 8,506.11            | 8,484.38            | 30.43           | 30.45       | 129.60                | 308.31                          | 514.19                          | 775.47               | 715.03                | 60.44                   | 12.830            |         |                    |         |
| 8,600.00                                                                                    | 8,581.91            | 8,543.34            | 8,513.56            | 30.61           | 30.59       | 129.65                | 311.08                          | 518.55                          | 782.82               | 722.07                | 60.76                   | 12.885            |         |                    |         |
| 8,650.00                                                                                    | 8,631.71            | 8,607.21            | 8,562.74            | 30.79           | 30.82       | 129.71                | 313.85                          | 522.91                          | 790.18               | 729.01                | 61.17                   | 12.918            |         |                    |         |
| 8,700.00                                                                                    | 8,681.50            | 8,642.24            | 8,611.92            | 30.98           | 30.95       | 129.76                | 316.63                          | 527.26                          | 797.53               | 736.06                | 61.47                   | 12.974            |         |                    |         |
| 8,750.00                                                                                    | 8,731.29            | 8,708.30            | 8,661.10            | 31.16           | 31.19       | 129.82                | 319.40                          | 531.62                          | 804.88               | 742.99                | 61.89                   | 13.005            |         |                    |         |
| 8,800.00                                                                                    | 8,781.08            | 8,741.15            | 8,710.28            | 31.34           | 31.31       | 129.87                | 322.17                          | 535.98                          | 812.24               | 750.05                | 62.19                   | 13.061            |         |                    |         |
| 8,850.00                                                                                    | 8,830.87            | 8,809.40            | 8,759.46            | 31.52           | 31.56       | 129.92                | 324.95                          | 540.34                          | 819.59               | 756.97                | 62.62                   | 13.089            |         |                    |         |
| 8,900.00                                                                                    | 8,880.66            | 8,840.05            | 8,808.64            | 31.70           | 31.67       | 129.97                | 327.72                          | 544.70                          | 826.95               | 764.04                | 62.91                   | 13.146            |         |                    |         |
| 8,950.00                                                                                    | 8,930.45            | 8,889.50            | 8,857.82            | 31.88           | 31.86       | 130.02                | 330.49                          | 549.05                          | 834.30               | 771.04                | 63.26                   | 13.188            |         |                    |         |
| 9,000.00                                                                                    | 8,980.24            | 8,938.95            | 8,907.01            | 32.06           | 32.04       | 130.07                | 333.27                          | 553.41                          | 841.66               | 778.04                | 63.62                   | 13.229            |         |                    |         |
| 9,050.00                                                                                    | 9,030.03            | 8,988.40            | 8,956.19            | 32.24           | 32.22       | 130.12                | 336.04                          | 557.77                          | 849.01               | 785.03                | 63.98                   | 13.270            |         |                    |         |
| 9,100.00                                                                                    | 9,079.83            | 9,037.86            | 9,005.37            | 32.42           | 32.40       | 130.20                | 338.81                          | 562.13                          | 856.33               | 791.99                | 64.34                   | 13.310            |         |                    |         |
| 9,150.00                                                                                    | 9,129.67            | 9,098.42            | 9,065.65            | 32.60           | 32.62       | 130.31                | 341.97                          | 567.10                          | 863.00               | 798.22                | 64.78                   | 13.322            |         |                    |         |
| 9,200.00                                                                                    | 9,179.56            | 9,159.87            | 9,126.89            | 32.78           | 32.84       | 130.40                | 344.66                          | 571.31                          | 868.57               | 803.35                | 65.22                   | 13.318            |         |                    |         |
| 9,250.00                                                                                    | 9,229.49            | 9,221.53            | 9,188.42            | 32.96           | 33.07       | 130.48                | 346.82                          | 574.71                          | 873.04               | 807.40                | 65.64                   | 13.300            |         |                    |         |
| 9,300.00                                                                                    | 9,279.45            | 9,283.37            | 9,250.19            | 33.14           | 33.29       | 130.53                | 348.45                          | 577.27                          | 876.41               | 810.35                | 66.06                   | 13.266            |         |                    |         |
| 9,350.00                                                                                    | 9,329.43            | 9,345.33            | 9,312.11            | 33.32           | 33.51       | 130.57                | 349.55                          | 579.00                          | 878.68               | 812.20                | 66.47                   | 13.219            |         |                    |         |
| 9,400.00                                                                                    | 9,379.43            | 9,407.37            | 9,374.14            | 33.50           | 33.73       | 130.59                | 350.10                          | 579.87                          | 879.83               | 812.96                | 66.87                   | 13.157            |         |                    |         |
| 9,450.00                                                                                    | 9,429.43            | 9,463.75            | 9,430.53            | 33.68           | 33.93       | 89.99                 | 350.18                          | 579.99                          | 879.99               | 812.75                | 67.24                   | 13.087            |         |                    |         |
| 9,500.00                                                                                    | 9,479.43            | 9,513.75            | 9,480.53            | 33.85           | 34.10       | 89.99                 | 350.18                          | 579.99                          | 879.99               | 812.40                | 67.59                   | 13.019            |         |                    |         |
| 9,550.00                                                                                    | 9,529.43            | 9,563.75            | 9,530.53            | 34.03           | 34.28       | 89.99                 | 350.18                          | 579.99                          | 879.99               | 812.04                | 67.95                   | 12.951            |         |                    |         |
| 9,600.00                                                                                    | 9,579.43            | 9,613.75            | 9,580.53            | 34.21           | 34.45       | 89.99                 | 350.18                          | 579.99                          | 879.99               | 811.69                | 68.30                   | 12.884            |         |                    |         |
| 9,650.00                                                                                    | 9,629.43            | 9,663.75            | 9,630.53            | 34.39           | 34.63       | 89.99                 | 350.18                          | 579.99                          | 879.99               | 811.34                | 68.65                   | 12.818            |         |                    |         |
| 9,700.00                                                                                    | 9,679.43            | 9,713.75            | 9,680.53            | 34.56           | 34.80       | 89.99                 | 350.18                          | 579.99                          | 879.99               | 810.99                | 69.00                   | 12.753            |         |                    |         |
| 9,750.00                                                                                    | 9,729.43            | 9,763.75            | 9,730.53            | 34.74           | 34.98       | 89.99                 | 350.18                          | 579.99                          | 879.99               | 810.63                | 69.36                   | 12.688            |         |                    |         |
| 9,800.00                                                                                    | 9,779.42            | 9,813.56            | 9,780.33            | 34.91           | 35.15       | -89.69                | 349.71                          | 579.99                          | 879.99               | 810.29                | 69.70                   | 12.625            |         |                    |         |
| 9,850.00                                                                                    | 9,829.23            | 9,863.15            | 9,829.72            | 35.07           | 35.30       | -89.69                | 345.55                          | 580.02                          | 879.99               | 809.97                | 70.02                   | 12.568            |         |                    |         |
| 9,900.00                                                                                    | 9,878.50            | 9,912.73            | 9,878.57            | 35.23           | 35.45       | -89.69                | 337.14                          | 580.06                          | 879.99               | 809.66                | 70.33                   | 12.512            |         |                    |         |
| 9,950.00                                                                                    | 9,926.84            | 9,962.32            | 9,926.51            | 35.37           | 35.60       | -89.69                | 324.54                          | 580.13                          | 879.99               | 809.36                | 70.63                   | 12.459            |         |                    |         |
| 10,000.00                                                                                   | 9,973.88            | 10,011.90           | 9,973.19            | 35.51           | 35.74       | -89.69                | 307.85                          | 580.22                          | 879.99               | 809.07                | 70.92                   | 12.408            |         |                    |         |
| 10,050.00                                                                                   | 10,019.28           | 10,061.49           | 10,018.25           | 35.64           | 35.87       | -89.69                | 287.18                          | 580.34                          | 879.99               | 808.79                | 71.20                   | 12.359            |         |                    |         |
| 10,100.00                                                                                   | 10,062.68           | 10,111.09           | 10,061.36           | 35.75           | 35.99       | -89.70                | 262.68                          | 580.48                          | 879.99               | 808.52                | 71.47                   | 12.313            |         |                    |         |
| 10,150.00                                                                                   | 10,103.76           | 10,160.70           | 10,102.20           | 35.86           | 36.10       | -89.71                | 234.55                          | 580.63                          | 879.99               | 808.27                | 71.72                   | 12.270            |         |                    |         |
| 10,200.00                                                                                   | 10,142.19           | 10,210.33           | 10,140.47           | 35.95           | 36.19       | -89.72                | 202.98                          | 580.81                          | 879.99               | 808.03                | 71.96                   | 12.229            |         |                    |         |
| 10,250.00                                                                                   | 10,177.70           | 10,259.97           | 10,175.87           | 36.03           | 36.28       | -89.74                | 168.20                          | 581.00                          | 879.98               | 807.81                | 72.18                   | 12.192            |         |                    |         |
| 10,300.00                                                                                   | 10,210.00           | 10,309.63           | 10,208.15           | 36.10           | 36.37       | -89.76                | 130.47                          | 581.21                          | 879.98               | 807.60                | 72.39                   | 12.157            |         |                    |         |
| 10,350.00                                                                                   | 10,238.86           | 10,359.32           | 10,237.05           | 36.18           | 36.45       | -89.77                | 90.08                           | 581.43                          | 879.98               | 807.41                | 72.58                   | 12.125            |         |                    |         |
| 10,400.00                                                                                   | 10,264.05           | 10,409.03           | 10,262.35           | 36.26           | 36.53       | -89.79                | 47.31                           | 581.67                          | 879.98               | 807.23                | 72.75                   | 12.096            |         |                    |         |
| 10,450.00                                                                                   | 10,285.38           | 10,458.77           | 10,283.86           | 36.33           | 36.60       | -89.81                | 2.48                            | 581.92                          | 879.98               | 807.07                | 72.91                   | 12.070            |         |                    |         |
| 10,500.00                                                                                   | 10,302.69           | 10,508.53           | 10,301.42           | 36.38           | 36.68       | -89.84                | -44.07                          | 582.18                          | 879.98               | 806.93                | 73.05                   | 12.046            |         |                    |         |
| 10,550.00                                                                                   | 10,315.85           | 10,558.33           | 10,314.87           | 36.43           | 36.75       | -89.86                | -92.00                          | 582.44                          | 879.98               | 806.80                | 73.18                   | 12.026            |         |                    |         |
| 10,600.00                                                                                   | 10,324.75           | 10,608.16           | 10,324.13           | 36.47           | 36.82       | -89.89                | -140.94                         | 582.71                          | 879.97               | 806.69                | 73.28                   | 12.008            |         |                    |         |
| 10,650.00                                                                                   | 10,329.33           | 10,658.03           | 10,329.09           | 36.50           | 36.88       | -89.91                | -190.54                         | 582.99                          | 879.97               | 806.60                | 73.37                   | 11.993            |         |                    |         |
| 10,700.00                                                                                   | 10,330.00           | 10,707.96           | 10,330.00           | 36.52           | 36.93       | -89.93                | -240.46                         | 583.26                          | 879.97               | 806.52                | 73.45                   | 11.981            |         |                    |         |
| 10,750.00                                                                                   | 10,330.00           | 10,757.96           | 10,330.00           | 36.55           | 36.99       | -89.93                | -290.45                         | 583.54                          | 879.97               | 806.44                | 73.53                   | 11.967            |         |                    |         |
| 10,800.00                                                                                   | 10,330.00           | 10,807.96           | 10,330.00           | 36.57           | 37.06       | -89.93                | -340.45                         | 583.82                          | 879.97               | 806.35                | 73.62                   | 11.953            |         |                    |         |
| 10,850.00                                                                                   | 10,330.00           | 10,857.96           | 10,330.00           | 36.51           | 37.13       | -89.93                | -390.45                         | 584.10                          | 879.97               | 806.24                | 73.73                   | 11.936            |         |                    |         |
| 10,900.00                                                                                   | 10,330.00           | 10,907.96           | 10,330.00           | 36.54           | 37.21       | -89.93                | -440.45                         | 584.37                          | 879.97               | 806.14                | 73.83                   | 11.918            |         |                    |         |
| 10,950.00                                                                                   | 10,330.00           | 10,957.96           | 10,330.00           | 36.68           | 37.30       | -89.93                | -490.45                         | 584.65                          | 879.97               | 806.01                | 73.96                   | 11.898            |         |                    |         |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

|                            |                                 |                                     |                                  |
|----------------------------|---------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>            | WCDSC Permian NM                | <b>Local Co-ordinate Reference:</b> | Well Maldives 15-27 Fed Com 231H |
| <b>Project:</b>            | Eddy County (NAD 83 NM Eastern) | <b>TVD Reference:</b>               | RKB @ 3411.40ft                  |
| <b>Reference Site:</b>     | Sec 15-T23S-R31E                | <b>MD Reference:</b>                | RKB @ 3411.40ft                  |
| <b>Site Error:</b>         | 0.00 ft                         | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>     | Maldives 15-27 Fed Com 231H     | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>         | 0.50 ft                         | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore:</b> | Wellbore #1                     | <b>Database:</b>                    | EDM r5000.141_Prod US            |
| <b>Reference Design:</b>   | Permit Plan 2                   | <b>Offset TVD Reference:</b>        | Offset Datum                     |

| Offset Design: Sec 15-T23S-R31E - Maldives 15-27 Fed Com 232H - Wellbore #1 - Permit Plan 2 |                     |                     |                     |                 |             |                       |                        |          |                      |                       |                         |                   | Offset Site Error: 0.00 ft |  |
|---------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|------------------------|----------|----------------------|-----------------------|-------------------------|-------------------|----------------------------|--|
| Survey Program: 0-MWD+IFR1                                                                  |                     |                     |                     |                 |             |                       |                        |          |                      |                       |                         |                   | Offset Well Error: 0.50 ft |  |
| Reference                                                                                   |                     | Offset              |                     | Semi Major Axis |             | Highside Toolface (°) | Offset Wellbore Centre |          | Distance             |                       | Minimum Separation (ft) | Separation Factor | Warning                    |  |
| Measured Depth (ft)                                                                         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) |                       | N/S (ft)               | E/W (ft) | Between Centres (ft) | Between Ellipses (ft) |                         |                   |                            |  |
| 11,000.00                                                                                   | 10,330.00           | 11,007.96           | 10,330.00           | 36.72           | 37.39       | -89.93                | -540.45                | 584.93   | 879.97               | 805.88                | 74.09                   | 11.877            |                            |  |
| 11,050.00                                                                                   | 10,330.00           | 11,057.96           | 10,330.00           | 36.77           | 37.49       | -89.93                | -590.45                | 585.20   | 879.97               | 805.73                | 74.24                   | 11.854            |                            |  |
| 11,100.00                                                                                   | 10,330.00           | 11,107.96           | 10,330.00           | 36.82           | 37.59       | -89.93                | -640.45                | 585.48   | 879.97               | 805.58                | 74.38                   | 11.830            |                            |  |
| 11,150.00                                                                                   | 10,330.00           | 11,157.96           | 10,330.00           | 36.88           | 37.70       | -89.93                | -690.45                | 585.76   | 879.97               | 805.42                | 74.55                   | 11.804            |                            |  |
| 11,200.00                                                                                   | 10,330.00           | 11,207.96           | 10,330.00           | 36.94           | 37.81       | -89.93                | -740.45                | 586.04   | 879.97               | 805.25                | 74.72                   | 11.777            |                            |  |
| 11,250.00                                                                                   | 10,330.00           | 11,257.96           | 10,330.00           | 37.00           | 37.94       | -89.93                | -790.45                | 586.31   | 879.97               | 805.06                | 74.91                   | 11.748            |                            |  |
| 11,300.00                                                                                   | 10,330.00           | 11,307.96           | 10,330.00           | 37.06           | 38.06       | -89.93                | -840.45                | 586.59   | 879.97               | 804.87                | 75.09                   | 11.718            |                            |  |
| 11,350.00                                                                                   | 10,330.00           | 11,357.96           | 10,330.00           | 37.14           | 38.20       | -89.93                | -890.45                | 586.87   | 879.97               | 804.67                | 75.30                   | 11.686            |                            |  |
| 11,400.00                                                                                   | 10,330.00           | 11,407.96           | 10,330.00           | 37.21           | 38.33       | -89.93                | -940.44                | 587.14   | 879.96               | 804.46                | 75.51                   | 11.654            |                            |  |
| 11,450.00                                                                                   | 10,330.00           | 11,457.96           | 10,330.00           | 37.29           | 38.48       | -89.93                | -990.44                | 587.42   | 879.96               | 804.23                | 75.73                   | 11.620            |                            |  |
| 11,500.00                                                                                   | 10,330.00           | 11,507.96           | 10,330.00           | 37.37           | 38.63       | -89.93                | -1,040.44              | 587.70   | 879.96               | 804.01                | 75.96                   | 11.585            |                            |  |
| 11,550.00                                                                                   | 10,330.00           | 11,557.96           | 10,330.00           | 37.45           | 38.79       | -89.93                | -1,090.44              | 587.98   | 879.96               | 803.77                | 76.20                   | 11.548            |                            |  |
| 11,600.00                                                                                   | 10,330.00           | 11,607.96           | 10,330.00           | 37.54           | 38.95       | -89.93                | -1,140.44              | 588.25   | 879.96               | 803.52                | 76.44                   | 11.511            |                            |  |
| 11,650.00                                                                                   | 10,330.00           | 11,657.96           | 10,330.00           | 37.63           | 39.11       | -89.93                | -1,190.44              | 588.53   | 879.96               | 803.26                | 76.70                   | 11.472            |                            |  |
| 11,700.00                                                                                   | 10,330.00           | 11,707.96           | 10,330.00           | 37.73           | 39.28       | -89.93                | -1,240.44              | 588.81   | 879.96               | 803.00                | 76.97                   | 11.433            |                            |  |
| 11,750.00                                                                                   | 10,330.00           | 11,757.96           | 10,330.00           | 37.83           | 39.46       | -89.93                | -1,290.44              | 589.08   | 879.96               | 802.72                | 77.24                   | 11.392            |                            |  |
| 11,800.00                                                                                   | 10,330.00           | 11,807.96           | 10,330.00           | 37.93           | 39.64       | -89.93                | -1,340.44              | 589.36   | 879.96               | 802.44                | 77.52                   | 11.351            |                            |  |
| 11,850.00                                                                                   | 10,330.00           | 11,857.96           | 10,330.00           | 38.04           | 39.83       | -89.93                | -1,390.44              | 589.64   | 879.96               | 802.14                | 77.82                   | 11.308            |                            |  |
| 11,900.00                                                                                   | 10,330.00           | 11,907.96           | 10,330.00           | 38.15           | 40.02       | -89.93                | -1,440.44              | 589.92   | 879.96               | 801.84                | 78.12                   | 11.264            |                            |  |
| 11,950.00                                                                                   | 10,330.00           | 11,957.96           | 10,330.00           | 38.26           | 40.22       | -89.93                | -1,490.44              | 590.19   | 879.96               | 801.53                | 78.43                   | 11.220            |                            |  |
| 12,000.00                                                                                   | 10,330.00           | 12,007.96           | 10,330.00           | 38.38           | 40.42       | -89.93                | -1,540.44              | 590.47   | 879.96               | 801.21                | 78.75                   | 11.175            |                            |  |
| 12,050.00                                                                                   | 10,330.00           | 12,057.96           | 10,330.00           | 38.50           | 40.63       | -89.93                | -1,590.43              | 590.75   | 879.96               | 800.88                | 79.08                   | 11.128            |                            |  |
| 12,100.00                                                                                   | 10,330.00           | 12,107.96           | 10,330.00           | 38.62           | 40.84       | -89.93                | -1,640.43              | 591.02   | 879.96               | 800.55                | 79.41                   | 11.082            |                            |  |
| 12,150.00                                                                                   | 10,330.00           | 12,157.96           | 10,330.00           | 38.75           | 41.06       | -89.93                | -1,690.43              | 591.30   | 879.96               | 800.20                | 79.75                   | 11.034            |                            |  |
| 12,200.00                                                                                   | 10,330.00           | 12,207.96           | 10,330.00           | 38.88           | 41.27       | -89.93                | -1,740.43              | 591.58   | 879.96               | 799.86                | 80.10                   | 10.986            |                            |  |
| 12,250.00                                                                                   | 10,330.00           | 12,257.96           | 10,330.00           | 39.02           | 41.50       | -89.93                | -1,790.43              | 591.86   | 879.96               | 799.49                | 80.46                   | 10.936            |                            |  |
| 12,300.00                                                                                   | 10,330.00           | 12,307.96           | 10,330.00           | 39.15           | 41.73       | -89.93                | -1,840.43              | 592.13   | 879.96               | 799.13                | 80.82                   | 10.887            |                            |  |
| 12,350.00                                                                                   | 10,330.00           | 12,357.96           | 10,330.00           | 39.29           | 41.96       | -89.93                | -1,890.43              | 592.41   | 879.95               | 798.75                | 81.20                   | 10.837            |                            |  |
| 12,400.00                                                                                   | 10,330.00           | 12,407.96           | 10,330.00           | 39.43           | 42.20       | -89.93                | -1,940.43              | 592.69   | 879.95               | 798.37                | 81.58                   | 10.786            |                            |  |
| 12,450.00                                                                                   | 10,330.00           | 12,457.96           | 10,330.00           | 39.58           | 42.44       | -89.93                | -1,990.43              | 592.97   | 879.95               | 797.98                | 81.97                   | 10.735            |                            |  |
| 12,500.00                                                                                   | 10,330.00           | 12,507.96           | 10,330.00           | 39.73           | 42.69       | -89.93                | -2,040.43              | 593.24   | 879.95               | 797.59                | 82.36                   | 10.684            |                            |  |
| 12,550.00                                                                                   | 10,330.00           | 12,557.96           | 10,330.00           | 39.89           | 42.94       | -89.93                | -2,090.43              | 593.52   | 879.95               | 797.18                | 82.77                   | 10.631            |                            |  |
| 12,600.00                                                                                   | 10,330.00           | 12,607.96           | 10,330.00           | 40.04           | 43.19       | -89.93                | -2,140.43              | 593.80   | 879.95               | 796.77                | 83.18                   | 10.579            |                            |  |
| 12,650.00                                                                                   | 10,330.00           | 12,657.96           | 10,330.00           | 40.20           | 43.45       | -89.93                | -2,190.43              | 594.07   | 879.95               | 796.35                | 83.60                   | 10.526            |                            |  |
| 12,700.00                                                                                   | 10,330.00           | 12,707.96           | 10,330.00           | 40.36           | 43.71       | -89.93                | -2,240.42              | 594.35   | 879.95               | 795.93                | 84.02                   | 10.473            |                            |  |
| 12,750.00                                                                                   | 10,330.00           | 12,757.96           | 10,330.00           | 40.53           | 43.98       | -89.93                | -2,290.42              | 594.63   | 879.95               | 795.50                | 84.45                   | 10.419            |                            |  |
| 12,800.00                                                                                   | 10,330.00           | 12,807.96           | 10,330.00           | 40.69           | 44.25       | -89.93                | -2,340.42              | 594.91   | 879.95               | 795.06                | 84.89                   | 10.366            |                            |  |
| 12,850.00                                                                                   | 10,330.00           | 12,857.96           | 10,330.00           | 40.87           | 44.53       | -89.93                | -2,390.42              | 595.18   | 879.95               | 794.61                | 85.34                   | 10.312            |                            |  |
| 12,900.00                                                                                   | 10,330.00           | 12,907.96           | 10,330.00           | 41.04           | 44.80       | -89.93                | -2,440.42              | 595.46   | 879.95               | 794.17                | 85.78                   | 10.258            |                            |  |
| 12,950.00                                                                                   | 10,330.00           | 12,957.96           | 10,330.00           | 41.22           | 45.08       | -89.93                | -2,490.42              | 595.74   | 879.95               | 793.70                | 86.24                   | 10.203            |                            |  |
| 13,000.00                                                                                   | 10,330.00           | 13,007.96           | 10,330.00           | 41.40           | 45.37       | -89.93                | -2,540.42              | 596.01   | 879.95               | 793.24                | 86.70                   | 10.149            |                            |  |
| 13,050.00                                                                                   | 10,330.00           | 13,057.96           | 10,330.00           | 41.58           | 45.65       | -89.93                | -2,590.42              | 596.29   | 879.95               | 792.77                | 87.18                   | 10.094            |                            |  |
| 13,100.00                                                                                   | 10,330.00           | 13,107.96           | 10,330.00           | 41.76           | 45.94       | -89.93                | -2,640.42              | 596.57   | 879.95               | 792.30                | 87.65                   | 10.039            |                            |  |
| 13,150.00                                                                                   | 10,330.00           | 13,157.96           | 10,330.00           | 41.95           | 46.24       | -89.93                | -2,690.42              | 596.85   | 879.95               | 791.81                | 88.13                   | 9.984             |                            |  |
| 13,200.00                                                                                   | 10,330.00           | 13,207.96           | 10,330.00           | 42.14           | 46.54       | -89.93                | -2,740.42              | 597.12   | 879.95               | 791.33                | 88.62                   | 9.930             |                            |  |
| 13,250.00                                                                                   | 10,330.00           | 13,257.96           | 10,330.00           | 42.33           | 46.84       | -89.93                | -2,790.42              | 597.40   | 879.95               | 790.83                | 89.11                   | 9.874             |                            |  |
| 13,300.00                                                                                   | 10,330.00           | 13,307.96           | 10,330.00           | 42.53           | 47.14       | -89.93                | -2,840.42              | 597.68   | 879.94               | 790.33                | 89.61                   | 9.820             |                            |  |
| 13,350.00                                                                                   | 10,330.00           | 13,357.96           | 10,330.00           | 42.73           | 47.45       | -89.93                | -2,890.41              | 597.95   | 879.94               | 789.83                | 90.12                   | 9.764             |                            |  |
| 13,400.00                                                                                   | 10,330.00           | 13,407.96           | 10,330.00           | 42.93           | 47.76       | -89.93                | -2,940.41              | 598.23   | 879.94               | 789.32                | 90.63                   | 9.710             |                            |  |
| 13,450.00                                                                                   | 10,330.00           | 13,457.96           | 10,330.00           | 43.13           | 48.07       | -89.93                | -2,990.41              | 598.51   | 879.94               | 788.80                | 91.14                   | 9.654             |                            |  |
| 13,500.00                                                                                   | 10,330.00           | 13,507.96           | 10,330.00           | 43.34           | 48.38       | -89.93                | -3,040.41              | 598.79   | 879.94               | 788.28                | 91.66                   | 9.600             |                            |  |
| 13,550.00                                                                                   | 10,330.00           | 13,557.96           | 10,330.00           | 43.54           | 48.70       | -89.93                | -3,090.41              | 599.06   | 879.94               | 787.75                | 92.19                   | 9.545             |                            |  |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

|                     |                                 |                              |                                  |
|---------------------|---------------------------------|------------------------------|----------------------------------|
| Company:            | WCDSC Permian NM                | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Project:            | Eddy County (NAD 83 NM Eastern) | TVD Reference:               | RKB @ 3411.40ft                  |
| Reference Site:     | Sec 15-T23S-R31E                | MD Reference:                | RKB @ 3411.40ft                  |
| Site Error:         | 0.00 ft                         | North Reference:             | Grid                             |
| Reference Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Well Error:         | 0.50 ft                         | Output errors are at:        | 2.00 sigma                       |
| Reference Wellbore: | Wellbore #1                     | Database:                    | EDM r5000.141_Prod US            |
| Reference Design:   | Permit Plan 2                   | Offset TVD Reference:        | Offset Datum                     |

| Offset Design: Sec 15-T23S-R31E - Maldives 15-27 Fed Com 232H - Wellbore #1 - Permit Plan 2 |                     |                     |                     |                |             |                        |            |            |              |               |                 |         |  | Offset Site Error: | 0.00 ft |
|---------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|----------------|-------------|------------------------|------------|------------|--------------|---------------|-----------------|---------|--|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                                                  |                     |                     |                     |                |             |                        |            |            |              |               |                 |         |  | Offset Well Error: | 0.50 ft |
| Reference                                                                                   | Offset              | Semi Major Axis     | Reference           | Offset         | Highside    | Offset Wellbore Centre | Distance   | Between    | Between      | Minimum       | Separation      | Warning |  |                    |         |
| Measured Depth (ft)                                                                         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Toolface (°)           | +N/-S (ft) | +E/-W (ft) | Centres (ft) | Ellipses (ft) | Separation (ft) | Factor  |  |                    |         |
| 13,600.00                                                                                   | 10,330.00           | 13,607.96           | 10,330.00           | 43.75          | 49.02       | -89.93                 | -3,140.41  | 599.34     | 879.94       | 787.22        | 92.72           | 9.490   |  |                    |         |
| 13,650.00                                                                                   | 10,330.00           | 13,657.96           | 10,330.00           | 43.97          | 49.35       | -89.93                 | -3,190.41  | 599.62     | 879.94       | 786.68        | 93.26           | 9.436   |  |                    |         |
| 13,700.00                                                                                   | 10,330.00           | 13,707.96           | 10,330.00           | 44.18          | 49.67       | -89.93                 | -3,240.41  | 599.89     | 879.94       | 786.14        | 93.80           | 9.381   |  |                    |         |
| 13,750.00                                                                                   | 10,330.00           | 13,757.96           | 10,330.00           | 44.40          | 50.00       | -89.93                 | -3,290.41  | 600.17     | 879.94       | 785.60        | 94.34           | 9.327   |  |                    |         |
| 13,800.00                                                                                   | 10,330.00           | 13,807.96           | 10,330.00           | 44.62          | 50.33       | -89.93                 | -3,340.41  | 600.45     | 879.94       | 785.05        | 94.89           | 9.273   |  |                    |         |
| 13,850.00                                                                                   | 10,330.00           | 13,857.96           | 10,330.00           | 44.84          | 50.67       | -89.93                 | -3,390.41  | 600.73     | 879.94       | 784.49        | 95.45           | 9.219   |  |                    |         |
| 13,900.00                                                                                   | 10,330.00           | 13,907.96           | 10,330.00           | 45.06          | 51.00       | -89.93                 | -3,440.41  | 601.00     | 879.94       | 783.93        | 96.01           | 9.165   |  |                    |         |
| 13,950.00                                                                                   | 10,330.00           | 13,957.96           | 10,330.00           | 45.29          | 51.34       | -89.93                 | -3,490.41  | 601.28     | 879.94       | 783.36        | 96.58           | 9.111   |  |                    |         |
| 14,000.00                                                                                   | 10,330.00           | 14,007.96           | 10,330.00           | 45.52          | 51.68       | -89.93                 | -3,540.40  | 601.56     | 879.94       | 782.79        | 97.14           | 9.058   |  |                    |         |
| 14,050.00                                                                                   | 10,330.00           | 14,057.96           | 10,330.00           | 45.75          | 52.03       | -89.93                 | -3,590.40  | 601.83     | 879.94       | 782.22        | 97.72           | 9.005   |  |                    |         |
| 14,100.00                                                                                   | 10,330.00           | 14,107.96           | 10,330.00           | 45.98          | 52.37       | -89.93                 | -3,640.40  | 602.11     | 879.94       | 781.64        | 98.29           | 8.952   |  |                    |         |
| 14,150.00                                                                                   | 10,330.00           | 14,157.96           | 10,330.00           | 46.21          | 52.72       | -89.93                 | -3,690.40  | 602.39     | 879.94       | 781.06        | 98.88           | 8.899   |  |                    |         |
| 14,200.00                                                                                   | 10,330.00           | 14,207.96           | 10,330.00           | 46.45          | 53.07       | -89.93                 | -3,740.40  | 602.67     | 879.94       | 780.47        | 99.46           | 8.847   |  |                    |         |
| 14,250.00                                                                                   | 10,330.00           | 14,257.96           | 10,330.00           | 46.69          | 53.42       | -89.93                 | -3,790.40  | 602.94     | 879.93       | 779.88        | 100.05          | 8.795   |  |                    |         |
| 14,300.00                                                                                   | 10,330.00           | 14,307.96           | 10,330.00           | 46.93          | 53.78       | -89.93                 | -3,840.40  | 603.22     | 879.93       | 779.29        | 100.65          | 8.743   |  |                    |         |
| 14,350.00                                                                                   | 10,330.00           | 14,357.96           | 10,330.00           | 47.17          | 54.13       | -89.93                 | -3,890.40  | 603.50     | 879.93       | 778.69        | 101.25          | 8.691   |  |                    |         |
| 14,400.00                                                                                   | 10,330.00           | 14,407.96           | 10,330.00           | 47.41          | 54.49       | -89.93                 | -3,940.40  | 603.77     | 879.93       | 778.09        | 101.85          | 8.640   |  |                    |         |
| 14,450.00                                                                                   | 10,330.00           | 14,457.96           | 10,330.00           | 47.66          | 54.85       | -89.93                 | -3,990.40  | 604.05     | 879.93       | 777.48        | 102.45          | 8.588   |  |                    |         |
| 14,500.00                                                                                   | 10,330.00           | 14,507.96           | 10,330.00           | 47.90          | 55.21       | -89.93                 | -4,040.40  | 604.33     | 879.93       | 776.87        | 103.06          | 8.538   |  |                    |         |
| 14,550.00                                                                                   | 10,330.00           | 14,557.96           | 10,330.00           | 48.15          | 55.58       | -89.93                 | -4,090.40  | 604.61     | 879.93       | 776.25        | 103.68          | 8.487   |  |                    |         |
| 14,600.00                                                                                   | 10,330.00           | 14,607.96           | 10,330.00           | 48.40          | 55.94       | -89.93                 | -4,140.40  | 604.88     | 879.93       | 775.64        | 104.29          | 8.437   |  |                    |         |
| 14,650.00                                                                                   | 10,330.00           | 14,657.96           | 10,330.00           | 48.66          | 56.31       | -89.93                 | -4,190.39  | 605.16     | 879.93       | 775.02        | 104.92          | 8.387   |  |                    |         |
| 14,700.00                                                                                   | 10,330.00           | 14,707.96           | 10,330.00           | 48.91          | 56.68       | -89.93                 | -4,240.39  | 605.44     | 879.93       | 774.39        | 105.54          | 8.338   |  |                    |         |
| 14,750.00                                                                                   | 10,330.00           | 14,757.96           | 10,330.00           | 49.17          | 57.05       | -89.93                 | -4,290.39  | 605.71     | 879.93       | 773.76        | 106.17          | 8.288   |  |                    |         |
| 14,800.00                                                                                   | 10,330.00           | 14,807.96           | 10,330.00           | 49.42          | 57.42       | -89.93                 | -4,340.39  | 605.99     | 879.93       | 773.13        | 106.80          | 8.239   |  |                    |         |
| 14,850.00                                                                                   | 10,330.00           | 14,857.96           | 10,330.00           | 49.68          | 57.80       | -89.93                 | -4,390.39  | 606.27     | 879.93       | 772.50        | 107.43          | 8.191   |  |                    |         |
| 14,900.00                                                                                   | 10,330.00           | 14,907.96           | 10,330.00           | 49.94          | 58.17       | -89.93                 | -4,440.39  | 606.55     | 879.93       | 771.86        | 108.07          | 8.142   |  |                    |         |
| 14,950.00                                                                                   | 10,330.00           | 14,957.96           | 10,330.00           | 50.21          | 58.55       | -89.93                 | -4,490.39  | 606.82     | 879.93       | 771.22        | 108.71          | 8.094   |  |                    |         |
| 15,000.00                                                                                   | 10,330.00           | 15,007.96           | 10,330.00           | 50.47          | 58.93       | -89.93                 | -4,540.39  | 607.10     | 879.93       | 770.58        | 109.35          | 8.047   |  |                    |         |
| 15,050.00                                                                                   | 10,330.00           | 15,057.96           | 10,330.00           | 50.74          | 59.31       | -89.93                 | -4,590.39  | 607.38     | 879.93       | 769.93        | 110.00          | 7.999   |  |                    |         |
| 15,100.00                                                                                   | 10,330.00           | 15,107.96           | 10,330.00           | 51.00          | 59.70       | -89.93                 | -4,640.39  | 607.66     | 879.93       | 769.28        | 110.65          | 7.953   |  |                    |         |
| 15,150.00                                                                                   | 10,330.00           | 15,157.96           | 10,330.00           | 51.27          | 60.08       | -89.93                 | -4,690.39  | 607.93     | 879.93       | 768.62        | 111.30          | 7.906   |  |                    |         |
| 15,200.00                                                                                   | 10,330.00           | 15,207.96           | 10,330.00           | 51.54          | 60.47       | -89.93                 | -4,740.39  | 608.21     | 879.92       | 767.97        | 111.96          | 7.860   |  |                    |         |
| 15,250.00                                                                                   | 10,330.00           | 15,257.96           | 10,330.00           | 51.81          | 60.85       | -89.93                 | -4,790.39  | 608.49     | 879.92       | 767.31        | 112.62          | 7.814   |  |                    |         |
| 15,300.00                                                                                   | 10,330.00           | 15,307.96           | 10,330.00           | 52.09          | 61.24       | -89.93                 | -4,840.38  | 608.76     | 879.92       | 766.65        | 113.28          | 7.768   |  |                    |         |
| 15,350.00                                                                                   | 10,330.00           | 15,357.96           | 10,330.00           | 52.36          | 61.63       | -89.93                 | -4,890.38  | 609.04     | 879.92       | 765.98        | 113.94          | 7.723   |  |                    |         |
| 15,400.00                                                                                   | 10,330.00           | 15,407.96           | 10,330.00           | 52.63          | 62.02       | -89.93                 | -4,940.38  | 609.32     | 879.92       | 765.32        | 114.61          | 7.678   |  |                    |         |
| 15,450.00                                                                                   | 10,330.00           | 15,457.96           | 10,330.00           | 52.91          | 62.41       | -89.93                 | -4,990.38  | 609.60     | 879.92       | 764.65        | 115.28          | 7.633   |  |                    |         |
| 15,500.00                                                                                   | 10,330.00           | 15,507.96           | 10,330.00           | 53.19          | 62.81       | -89.93                 | -5,040.38  | 609.87     | 879.92       | 763.97        | 115.95          | 7.589   |  |                    |         |
| 15,550.00                                                                                   | 10,330.00           | 15,557.96           | 10,330.00           | 53.47          | 63.20       | -89.93                 | -5,090.38  | 610.15     | 879.92       | 763.30        | 116.62          | 7.545   |  |                    |         |
| 15,600.00                                                                                   | 10,330.00           | 15,607.96           | 10,330.00           | 53.75          | 63.60       | -89.93                 | -5,140.38  | 610.43     | 879.92       | 762.62        | 117.30          | 7.501   |  |                    |         |
| 15,650.00                                                                                   | 10,330.00           | 15,657.96           | 10,330.00           | 54.03          | 64.00       | -89.93                 | -5,190.38  | 610.70     | 879.92       | 761.94        | 117.98          | 7.458   |  |                    |         |
| 15,700.00                                                                                   | 10,330.00           | 15,707.96           | 10,330.00           | 54.31          | 64.39       | -89.93                 | -5,240.38  | 610.98     | 879.92       | 761.26        | 118.66          | 7.415   |  |                    |         |
| 15,750.00                                                                                   | 10,330.00           | 15,757.96           | 10,330.00           | 54.60          | 64.80       | -89.93                 | -5,290.38  | 611.26     | 879.92       | 760.57        | 119.35          | 7.373   |  |                    |         |
| 15,800.00                                                                                   | 10,330.00           | 15,807.96           | 10,330.00           | 54.89          | 65.20       | -89.93                 | -5,340.38  | 611.54     | 879.92       | 759.89        | 120.03          | 7.331   |  |                    |         |
| 15,850.00                                                                                   | 10,330.00           | 15,857.96           | 10,330.00           | 55.17          | 65.60       | -89.93                 | -5,390.38  | 611.81     | 879.92       | 759.19        | 120.72          | 7.289   |  |                    |         |
| 15,900.00                                                                                   | 10,330.00           | 15,907.96           | 10,330.00           | 55.46          | 66.00       | -89.93                 | -5,440.38  | 612.09     | 879.92       | 758.50        | 121.41          | 7.247   |  |                    |         |
| 15,950.00                                                                                   | 10,330.00           | 15,957.96           | 10,330.00           | 55.75          | 66.41       | -89.93                 | -5,490.37  | 612.37     | 879.92       | 757.81        | 122.11          | 7.206   |  |                    |         |
| 16,000.00                                                                                   | 10,330.00           | 16,007.96           | 10,330.00           | 56.04          | 66.81       | -89.93                 | -5,540.37  | 612.64     | 879.92       | 757.11        | 122.80          | 7.165   |  |                    |         |
| 16,050.00                                                                                   | 10,330.00           | 16,057.96           | 10,330.00           | 56.33          | 67.22       | -89.93                 | -5,590.37  | 612.92     | 879.92       | 756.41        | 123.50          | 7.125   |  |                    |         |
| 16,100.00                                                                                   | 10,330.00           | 16,107.96           | 10,330.00           | 56.62          | 67.63       | -89.93                 | -5,640.37  | 613.20     | 879.92       | 755.71        | 124.20          | 7.085   |  |                    |         |
| 16,150.00                                                                                   | 10,330.00           | 16,157.96           | 10,330.00           | 56.92          | 68.03       | -89.93                 | -5,690.37  | 613.48     | 879.91       | 755.01        | 124.91          | 7.045   |  |                    |         |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

|                     |                                 |                              |                                  |
|---------------------|---------------------------------|------------------------------|----------------------------------|
| Company:            | WCDSC Permian NM                | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Project:            | Eddy County (NAD 83 NM Eastern) | TVD Reference:               | RKB @ 3411.40ft                  |
| Reference Site:     | Sec 15-T23S-R31E                | MD Reference:                | RKB @ 3411.40ft                  |
| Site Error:         | 0.00 ft                         | North Reference:             | Grid                             |
| Reference Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Well Error:         | 0.50 ft                         | Output errors are at:        | 2.00 sigma                       |
| Reference Wellbore: | Wellbore #1                     | Database:                    | EDM r5000.141_Prod US            |
| Reference Design:   | Permit Plan 2                   | Offset TVD Reference:        | Offset Datum                     |

| Offset Design Sec 15-T23S-R31E - Maldives 15-27 Fed Com 232H - Wellbore #1 - Permit Plan 2 |                     |                     |                     |                |             |                       |                                 |                   |                      |                       |                         | Offset Site Error: | 0.00 ft |
|--------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|---------------------------------|-------------------|----------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                                                 |                     |                     |                     |                |             |                       |                                 |                   |                      |                       |                         | Offset Well Error: | 0.50 ft |
| Reference                                                                                  | Offset              | Semi-Major Axis     |                     | Distance       |             | Minimum Separation    |                                 | Separation Factor |                      | Warning               |                         |                    |         |
| Measured Depth (ft)                                                                        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre N/S (ft) | E/W (ft)          | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor  | Warning |
| 16,200.00                                                                                  | 10,330.00           | 16,207.96           | 10,330.00           | 57.21          | 68.44       | -89.93                | -5,740.37                       | 613.75            | 879.91               | 754.31                | 125.61                  | 7.005              |         |
| 16,250.00                                                                                  | 10,330.00           | 16,257.96           | 10,330.00           | 57.51          | 68.86       | -89.93                | -5,790.37                       | 614.03            | 879.91               | 753.60                | 126.32                  | 6.966              |         |
| 16,300.00                                                                                  | 10,330.00           | 16,307.96           | 10,330.00           | 57.80          | 69.27       | -89.93                | -5,840.37                       | 614.31            | 879.91               | 752.89                | 127.02                  | 6.927              |         |
| 16,350.00                                                                                  | 10,330.00           | 16,357.96           | 10,330.00           | 58.10          | 69.68       | -89.93                | -5,890.37                       | 614.58            | 879.91               | 752.18                | 127.74                  | 6.889              |         |
| 16,400.00                                                                                  | 10,330.00           | 16,407.96           | 10,330.00           | 58.40          | 70.09       | -89.93                | -5,940.37                       | 614.86            | 879.91               | 751.47                | 128.45                  | 6.850              |         |
| 16,450.00                                                                                  | 10,330.00           | 16,457.96           | 10,330.00           | 58.70          | 70.51       | -89.93                | -5,990.37                       | 615.14            | 879.91               | 750.75                | 129.16                  | 6.812              |         |
| 16,500.00                                                                                  | 10,330.00           | 16,507.96           | 10,330.00           | 59.00          | 70.92       | -89.93                | -6,040.37                       | 615.42            | 879.91               | 750.03                | 129.88                  | 6.775              |         |
| 16,550.00                                                                                  | 10,330.00           | 16,557.96           | 10,330.00           | 59.30          | 71.34       | -89.93                | -6,090.37                       | 615.69            | 879.91               | 749.31                | 130.60                  | 6.738              |         |
| 16,600.00                                                                                  | 10,330.00           | 16,607.96           | 10,330.00           | 59.60          | 71.76       | -89.93                | -6,140.36                       | 615.97            | 879.91               | 748.59                | 131.32                  | 6.701              |         |
| 16,650.00                                                                                  | 10,330.00           | 16,657.96           | 10,330.00           | 59.91          | 72.17       | -89.93                | -6,190.36                       | 616.25            | 879.91               | 747.87                | 132.04                  | 6.664              |         |
| 16,700.00                                                                                  | 10,330.00           | 16,707.96           | 10,330.00           | 60.21          | 72.59       | -89.93                | -6,240.36                       | 616.52            | 879.91               | 747.15                | 132.76                  | 6.628              |         |
| 16,750.00                                                                                  | 10,330.00           | 16,757.96           | 10,330.00           | 60.52          | 73.01       | -89.93                | -6,290.36                       | 616.80            | 879.91               | 746.42                | 133.49                  | 6.592              |         |
| 16,800.00                                                                                  | 10,330.00           | 16,807.96           | 10,330.00           | 60.82          | 73.43       | -89.93                | -6,340.36                       | 617.08            | 879.91               | 745.69                | 134.21                  | 6.556              |         |
| 16,850.00                                                                                  | 10,330.00           | 16,857.96           | 10,330.00           | 61.13          | 73.85       | -89.93                | -6,390.36                       | 617.36            | 879.91               | 744.97                | 134.94                  | 6.521              |         |
| 16,900.00                                                                                  | 10,330.00           | 16,907.96           | 10,330.00           | 61.44          | 74.28       | -89.93                | -6,440.36                       | 617.63            | 879.91               | 744.24                | 135.67                  | 6.486              |         |
| 16,950.00                                                                                  | 10,330.00           | 16,957.96           | 10,330.00           | 61.75          | 74.70       | -89.93                | -6,490.36                       | 617.91            | 879.91               | 743.50                | 136.40                  | 6.451              |         |
| 17,000.00                                                                                  | 10,330.00           | 17,007.96           | 10,330.00           | 62.06          | 75.12       | -89.93                | -6,540.36                       | 618.19            | 879.91               | 742.77                | 137.14                  | 6.416              |         |
| 17,050.00                                                                                  | 10,330.00           | 17,057.96           | 10,330.00           | 62.37          | 75.55       | -89.93                | -6,590.36                       | 618.46            | 879.91               | 742.03                | 137.87                  | 6.382              |         |
| 17,100.00                                                                                  | 10,330.00           | 17,107.96           | 10,330.00           | 62.68          | 75.97       | -89.93                | -6,640.36                       | 618.74            | 879.91               | 741.30                | 138.61                  | 6.348              |         |
| 17,150.00                                                                                  | 10,330.00           | 17,157.96           | 10,330.00           | 62.99          | 76.40       | -89.93                | -6,690.36                       | 619.02            | 879.90               | 740.56                | 139.35                  | 6.314              |         |
| 17,200.00                                                                                  | 10,330.00           | 17,207.96           | 10,330.00           | 63.30          | 76.83       | -89.93                | -6,740.36                       | 619.30            | 879.90               | 739.82                | 140.09                  | 6.281              |         |
| 17,250.00                                                                                  | 10,330.00           | 17,257.96           | 10,330.00           | 63.62          | 77.25       | -89.93                | -6,790.35                       | 619.57            | 879.90               | 739.08                | 140.83                  | 6.248              |         |
| 17,300.00                                                                                  | 10,330.00           | 17,307.96           | 10,330.00           | 63.93          | 77.68       | -89.93                | -6,840.35                       | 619.85            | 879.90               | 738.33                | 141.57                  | 6.215              |         |
| 17,350.00                                                                                  | 10,330.00           | 17,357.96           | 10,330.00           | 64.25          | 78.11       | -89.93                | -6,890.35                       | 620.13            | 879.90               | 737.59                | 142.31                  | 6.183              |         |
| 17,400.00                                                                                  | 10,330.00           | 17,407.96           | 10,330.00           | 64.56          | 78.54       | -89.93                | -6,940.35                       | 620.40            | 879.90               | 736.84                | 143.06                  | 6.151              |         |
| 17,450.00                                                                                  | 10,330.00           | 17,457.96           | 10,330.00           | 64.88          | 78.97       | -89.93                | -6,990.35                       | 620.68            | 879.90               | 736.10                | 143.81                  | 6.119              |         |
| 17,500.00                                                                                  | 10,330.00           | 17,507.96           | 10,330.00           | 65.20          | 79.40       | -89.93                | -7,040.35                       | 620.96            | 879.90               | 735.35                | 144.55                  | 6.087              |         |
| 17,550.00                                                                                  | 10,330.00           | 17,557.96           | 10,330.00           | 65.51          | 79.83       | -89.93                | -7,090.35                       | 621.24            | 879.90               | 734.60                | 145.30                  | 6.056              |         |
| 17,600.00                                                                                  | 10,330.00           | 17,607.96           | 10,330.00           | 65.83          | 80.26       | -89.93                | -7,140.35                       | 621.51            | 879.90               | 733.85                | 146.05                  | 6.024              |         |
| 17,650.00                                                                                  | 10,330.00           | 17,657.96           | 10,330.00           | 66.15          | 80.69       | -89.93                | -7,190.35                       | 621.79            | 879.90               | 733.09                | 146.81                  | 5.994              |         |
| 17,700.00                                                                                  | 10,330.00           | 17,707.96           | 10,330.00           | 66.47          | 81.13       | -89.93                | -7,240.35                       | 622.07            | 879.90               | 732.34                | 147.56                  | 5.963              |         |
| 17,750.00                                                                                  | 10,330.00           | 17,757.96           | 10,330.00           | 66.79          | 81.56       | -89.93                | -7,290.35                       | 622.34            | 879.90               | 731.58                | 148.31                  | 5.933              |         |
| 17,800.00                                                                                  | 10,330.00           | 17,807.96           | 10,330.00           | 67.11          | 82.00       | -89.93                | -7,340.35                       | 622.62            | 879.90               | 730.83                | 149.07                  | 5.903              |         |
| 17,850.00                                                                                  | 10,330.00           | 17,857.96           | 10,330.00           | 67.44          | 82.43       | -89.93                | -7,390.35                       | 622.90            | 879.90               | 730.07                | 149.83                  | 5.873              |         |
| 17,900.00                                                                                  | 10,330.00           | 17,907.96           | 10,330.00           | 67.76          | 82.87       | -89.93                | -7,440.34                       | 623.18            | 879.90               | 729.31                | 150.58                  | 5.843              |         |
| 17,950.00                                                                                  | 10,330.00           | 17,957.96           | 10,330.00           | 68.08          | 83.30       | -89.93                | -7,490.34                       | 623.45            | 879.90               | 728.55                | 151.34                  | 5.814              |         |
| 18,000.00                                                                                  | 10,330.00           | 18,007.96           | 10,330.00           | 68.41          | 83.74       | -89.93                | -7,540.34                       | 623.73            | 879.90               | 727.79                | 152.10                  | 5.785              |         |
| 18,050.00                                                                                  | 10,330.00           | 18,057.96           | 10,330.00           | 68.73          | 84.18       | -89.93                | -7,590.34                       | 624.01            | 879.90               | 727.03                | 152.87                  | 5.756              |         |
| 18,100.00                                                                                  | 10,330.00           | 18,107.96           | 10,330.00           | 69.05          | 84.61       | -89.93                | -7,640.34                       | 624.29            | 879.89               | 726.27                | 153.63                  | 5.727              |         |
| 18,150.00                                                                                  | 10,330.00           | 18,157.96           | 10,330.00           | 69.38          | 85.05       | -89.93                | -7,690.34                       | 624.56            | 879.89               | 725.50                | 154.39                  | 5.699              |         |
| 18,200.00                                                                                  | 10,330.00           | 18,207.96           | 10,330.00           | 69.71          | 85.49       | -89.93                | -7,740.34                       | 624.84            | 879.89               | 724.74                | 155.16                  | 5.671              |         |
| 18,250.00                                                                                  | 10,330.00           | 18,257.96           | 10,330.00           | 70.03          | 85.93       | -89.93                | -7,790.34                       | 625.12            | 879.89               | 723.97                | 155.92                  | 5.643              |         |
| 18,300.00                                                                                  | 10,330.00           | 18,307.96           | 10,330.00           | 70.36          | 86.37       | -89.93                | -7,840.34                       | 625.39            | 879.89               | 723.20                | 156.69                  | 5.615              |         |
| 18,350.00                                                                                  | 10,330.00           | 18,357.96           | 10,330.00           | 70.69          | 86.81       | -89.93                | -7,890.34                       | 625.67            | 879.89               | 722.43                | 157.46                  | 5.588              |         |
| 18,400.00                                                                                  | 10,330.00           | 18,407.96           | 10,330.00           | 71.02          | 87.25       | -89.93                | -7,940.34                       | 625.95            | 879.89               | 721.66                | 158.23                  | 5.561              |         |
| 18,450.00                                                                                  | 10,330.00           | 18,457.96           | 10,330.00           | 71.35          | 87.69       | -89.93                | -7,990.34                       | 626.23            | 879.89               | 720.89                | 159.00                  | 5.534              |         |
| 18,500.00                                                                                  | 10,330.00           | 18,507.96           | 10,330.00           | 71.68          | 88.13       | -89.93                | -8,040.34                       | 626.50            | 879.89               | 720.12                | 159.77                  | 5.507              |         |
| 18,550.00                                                                                  | 10,330.00           | 18,557.96           | 10,330.00           | 72.01          | 88.57       | -89.93                | -8,090.33                       | 626.78            | 879.89               | 719.35                | 160.54                  | 5.481              |         |
| 18,600.00                                                                                  | 10,330.00           | 18,607.96           | 10,330.00           | 72.34          | 89.02       | -89.93                | -8,140.33                       | 627.06            | 879.89               | 718.57                | 161.32                  | 5.454              |         |
| 18,650.00                                                                                  | 10,330.00           | 18,657.96           | 10,330.00           | 72.67          | 89.46       | -89.93                | -8,190.33                       | 627.33            | 879.89               | 717.80                | 162.09                  | 5.428              |         |
| 18,700.00                                                                                  | 10,330.00           | 18,707.96           | 10,330.00           | 73.00          | 89.90       | -89.93                | -8,240.33                       | 627.61            | 879.89               | 717.02                | 162.87                  | 5.403              |         |
| 18,750.00                                                                                  | 10,330.00           | 18,757.96           | 10,330.00           | 73.33          | 90.35       | -89.93                | -8,290.33                       | 627.89            | 879.89               | 716.24                | 163.64                  | 5.377              |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

|                     |                                 |                              |                                  |
|---------------------|---------------------------------|------------------------------|----------------------------------|
| Company:            | WCDSC Permian NM                | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Project:            | Eddy County (NAD 83 NM Eastern) | TVD Reference:               | RKB @ 3411.40ft                  |
| Reference Site:     | Sec 15-T23S-R31E                | MD Reference:                | RKB @ 3411.40ft                  |
| Site Error:         | 0.00 ft                         | North Reference:             | Grid                             |
| Reference Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Well Error:         | 0.50 ft                         | Output errors are at:        | 2.00 sigma                       |
| Reference Wellbore: | Wellbore #1                     | Database:                    | EDM r5000.14i_Prod US            |
| Reference Design:   | Permit Plan 2                   | Offset TVD Reference:        | Offset Datum                     |

| Offset Design              |                     |                     |                     |                 |             |                       |                        |            |                      |                       | Sec 15-T23S-R31E - Maldives 15-27 Fed Com 232H - Wellbore #1 - Permit Plan 2 |                   | Offset Site Error: 0.00 ft |  |
|----------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|------------------------|------------|----------------------|-----------------------|------------------------------------------------------------------------------|-------------------|----------------------------|--|
| Survey Program: 0-MWD-HFR1 |                     |                     |                     |                 |             |                       |                        |            |                      |                       |                                                                              |                   | Offset Well Error: 0.50 ft |  |
| Reference                  |                     | Offset              |                     | Semi-Major Axis |             | Highside Toolface (°) | Offset Wellbore Centre |            | Distance             |                       | Minimum Separation (ft)                                                      | Separation Factor | Warning                    |  |
| Measured Depth (ft)        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) |                       | +N/-S (ft)             | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) |                                                                              |                   |                            |  |
| 18,800.00                  | 10,330.00           | 18,807.96           | 10,330.00           | 73.66           | 90.79       | -89.93                | -8,340.33              | 628.17     | 879.89               | 715.47                | 164.42                                                                       | 5.351             |                            |  |
| 18,850.00                  | 10,330.00           | 18,857.96           | 10,330.00           | 74.00           | 91.24       | -89.93                | -8,390.33              | 628.44     | 879.89               | 714.69                | 165.20                                                                       | 5.326             |                            |  |
| 18,900.00                  | 10,330.00           | 18,907.96           | 10,330.00           | 74.33           | 91.68       | -89.93                | -8,440.33              | 628.72     | 879.89               | 713.91                | 165.98                                                                       | 5.301             |                            |  |
| 18,950.00                  | 10,330.00           | 18,957.96           | 10,330.00           | 74.67           | 92.13       | -89.93                | -8,490.33              | 629.00     | 879.89               | 713.13                | 166.76                                                                       | 5.276             |                            |  |
| 19,000.00                  | 10,330.00           | 19,007.96           | 10,330.00           | 75.00           | 92.57       | -89.93                | -8,540.33              | 629.27     | 879.89               | 712.35                | 167.54                                                                       | 5.252             |                            |  |
| 19,050.00                  | 10,330.00           | 19,057.96           | 10,330.00           | 75.34           | 93.02       | -89.93                | -8,590.33              | 629.55     | 879.88               | 711.57                | 168.32                                                                       | 5.227             |                            |  |
| 19,100.00                  | 10,330.00           | 19,107.96           | 10,330.00           | 75.67           | 93.47       | -89.93                | -8,640.33              | 629.83     | 879.88               | 710.78                | 169.10                                                                       | 5.203             |                            |  |
| 19,150.00                  | 10,330.00           | 19,157.96           | 10,330.00           | 76.01           | 93.91       | -89.93                | -8,690.33              | 630.11     | 879.88               | 710.00                | 169.89                                                                       | 5.179             |                            |  |
| 19,200.00                  | 10,330.00           | 19,207.96           | 10,330.00           | 76.34           | 94.36       | -89.93                | -8,740.33              | 630.38     | 879.88               | 709.21                | 170.67                                                                       | 5.155             |                            |  |
| 19,250.00                  | 10,330.00           | 19,257.96           | 10,330.00           | 76.68           | 94.81       | -89.93                | -8,790.32              | 630.66     | 879.88               | 708.43                | 171.45                                                                       | 5.132             |                            |  |
| 19,300.00                  | 10,330.00           | 19,307.96           | 10,330.00           | 77.02           | 95.26       | -89.93                | -8,840.32              | 630.94     | 879.88               | 707.64                | 172.24                                                                       | 5.108             |                            |  |
| 19,350.00                  | 10,330.00           | 19,357.96           | 10,330.00           | 77.36           | 95.71       | -89.93                | -8,890.32              | 631.21     | 879.88               | 706.86                | 173.03                                                                       | 5.085             |                            |  |
| 19,400.00                  | 10,330.00           | 19,407.96           | 10,330.00           | 77.69           | 96.15       | -89.93                | -8,940.32              | 631.49     | 879.88               | 706.07                | 173.81                                                                       | 5.062             |                            |  |
| 19,450.00                  | 10,330.00           | 19,457.96           | 10,330.00           | 78.03           | 96.60       | -89.93                | -8,990.32              | 631.77     | 879.88               | 705.28                | 174.60                                                                       | 5.039             |                            |  |
| 19,500.00                  | 10,330.00           | 19,507.96           | 10,330.00           | 78.37           | 97.05       | -89.93                | -9,040.32              | 632.05     | 879.88               | 704.49                | 175.39                                                                       | 5.017             |                            |  |
| 19,550.00                  | 10,330.00           | 19,557.96           | 10,330.00           | 78.71           | 97.50       | -89.93                | -9,090.32              | 632.32     | 879.88               | 703.70                | 176.18                                                                       | 4.994             | Alert                      |  |
| 19,600.00                  | 10,330.00           | 19,607.96           | 10,330.00           | 79.05           | 97.95       | -89.93                | -9,140.32              | 632.60     | 879.88               | 702.91                | 176.97                                                                       | 4.972             | Alert                      |  |
| 19,650.00                  | 10,330.00           | 19,657.96           | 10,330.00           | 79.39           | 98.40       | -89.93                | -9,190.32              | 632.88     | 879.88               | 702.12                | 177.76                                                                       | 4.950             | Alert                      |  |
| 19,700.00                  | 10,330.00           | 19,707.96           | 10,330.00           | 79.73           | 98.86       | -89.93                | -9,240.32              | 633.15     | 879.88               | 701.32                | 178.55                                                                       | 4.928             | Alert                      |  |
| 19,750.00                  | 10,330.00           | 19,757.96           | 10,330.00           | 80.07           | 99.31       | -89.93                | -9,290.32              | 633.43     | 879.88               | 700.53                | 179.35                                                                       | 4.906             | Alert                      |  |
| 19,800.00                  | 10,330.00           | 19,807.96           | 10,330.00           | 80.41           | 99.76       | -89.93                | -9,340.32              | 633.71     | 879.88               | 699.74                | 180.14                                                                       | 4.884             | Alert                      |  |
| 19,850.00                  | 10,330.00           | 19,857.96           | 10,330.00           | 80.76           | 100.21      | -89.93                | -9,390.32              | 633.99     | 879.88               | 698.94                | 180.93                                                                       | 4.863             | Alert                      |  |
| 19,900.00                  | 10,330.00           | 19,907.96           | 10,330.00           | 81.10           | 100.66      | -89.93                | -9,440.31              | 634.26     | 879.88               | 698.15                | 181.73                                                                       | 4.842             | Alert                      |  |
| 19,950.00                  | 10,330.00           | 19,957.96           | 10,330.00           | 81.44           | 101.12      | -89.93                | -9,490.31              | 634.54     | 879.88               | 697.35                | 182.52                                                                       | 4.821             | Alert                      |  |
| 20,000.00                  | 10,330.00           | 20,007.96           | 10,330.00           | 81.78           | 101.57      | -89.93                | -9,540.31              | 634.82     | 879.87               | 696.56                | 183.32                                                                       | 4.800             | Alert                      |  |
| 20,050.00                  | 10,330.00           | 20,057.96           | 10,330.00           | 82.13           | 102.02      | -89.93                | -9,590.31              | 635.09     | 879.87               | 695.76                | 184.12                                                                       | 4.779             | Alert                      |  |
| 20,100.00                  | 10,330.00           | 20,107.96           | 10,330.00           | 82.47           | 102.48      | -89.93                | -9,640.31              | 635.37     | 879.87               | 694.96                | 184.91                                                                       | 4.758             | Alert                      |  |
| 20,150.00                  | 10,330.00           | 20,157.96           | 10,330.00           | 82.81           | 102.93      | -89.93                | -9,690.31              | 635.65     | 879.87               | 694.16                | 185.71                                                                       | 4.738             | Alert                      |  |
| 20,200.00                  | 10,330.00           | 20,207.96           | 10,330.00           | 83.16           | 103.38      | -89.93                | -9,740.31              | 635.93     | 879.87               | 693.36                | 186.51                                                                       | 4.718             | Alert                      |  |
| 20,250.00                  | 10,330.00           | 20,257.96           | 10,330.00           | 83.50           | 103.84      | -89.93                | -9,790.31              | 636.20     | 879.87               | 692.56                | 187.31                                                                       | 4.697             | Alert                      |  |
| 20,300.00                  | 10,330.00           | 20,307.96           | 10,330.00           | 83.85           | 104.29      | -89.93                | -9,840.31              | 636.48     | 879.87               | 691.76                | 188.11                                                                       | 4.677             | Alert                      |  |
| 20,350.00                  | 10,330.00           | 20,357.96           | 10,330.00           | 84.19           | 104.75      | -89.93                | -9,890.31              | 636.76     | 879.87               | 690.96                | 188.91                                                                       | 4.658             | Alert                      |  |
| 20,400.00                  | 10,330.00           | 20,407.96           | 10,330.00           | 84.54           | 105.20      | -89.93                | -9,940.31              | 637.03     | 879.87               | 690.16                | 189.71                                                                       | 4.638             | Alert                      |  |
| 20,450.00                  | 10,330.00           | 20,457.96           | 10,330.00           | 84.88           | 105.66      | -89.93                | -9,990.31              | 637.31     | 879.87               | 689.36                | 190.51                                                                       | 4.618             | Alert                      |  |
| 20,500.00                  | 10,330.00           | 20,507.96           | 10,330.00           | 85.23           | 106.11      | -89.93                | -10,040.31             | 637.59     | 879.87               | 688.56                | 191.31                                                                       | 4.599             | Alert                      |  |
| 20,550.00                  | 10,330.00           | 20,557.96           | 10,330.00           | 85.58           | 106.57      | -89.93                | -10,090.30             | 637.87     | 879.87               | 687.75                | 192.12                                                                       | 4.580             | Alert                      |  |
| 20,600.00                  | 10,330.00           | 20,607.96           | 10,330.00           | 85.92           | 107.03      | -89.93                | -10,140.30             | 638.14     | 879.87               | 686.95                | 192.92                                                                       | 4.561             | Alert                      |  |
| 20,650.00                  | 10,330.00           | 20,657.96           | 10,330.00           | 86.27           | 107.48      | -89.93                | -10,190.30             | 638.42     | 879.87               | 686.14                | 193.72                                                                       | 4.542             | Alert                      |  |
| 20,700.00                  | 10,330.00           | 20,707.96           | 10,330.00           | 86.62           | 107.94      | -89.93                | -10,240.30             | 638.70     | 879.87               | 685.34                | 194.53                                                                       | 4.523             | Alert                      |  |
| 20,750.00                  | 10,330.00           | 20,757.96           | 10,330.00           | 86.97           | 108.40      | -89.93                | -10,290.30             | 638.98     | 879.87               | 684.53                | 195.33                                                                       | 4.504             | Alert                      |  |
| 20,800.00                  | 10,330.00           | 20,807.96           | 10,330.00           | 87.31           | 108.86      | -89.93                | -10,340.30             | 639.25     | 879.87               | 683.73                | 196.14                                                                       | 4.486             | Alert                      |  |
| 20,850.00                  | 10,330.00           | 20,857.96           | 10,330.00           | 87.66           | 109.31      | -89.93                | -10,390.30             | 639.53     | 879.87               | 682.92                | 196.95                                                                       | 4.468             | Alert                      |  |
| 20,900.00                  | 10,330.00           | 20,907.96           | 10,330.00           | 88.01           | 109.77      | -89.93                | -10,440.30             | 639.81     | 879.87               | 682.11                | 197.75                                                                       | 4.449             | Alert                      |  |
| 20,950.00                  | 10,330.00           | 20,957.96           | 10,330.00           | 88.36           | 110.23      | -89.93                | -10,490.30             | 640.08     | 879.86               | 681.31                | 198.56                                                                       | 4.431             | Alert                      |  |
| 21,000.00                  | 10,330.00           | 21,007.96           | 10,330.00           | 88.71           | 110.69      | -89.93                | -10,540.30             | 640.36     | 879.86               | 680.50                | 199.37                                                                       | 4.413             | Alert                      |  |
| 21,050.00                  | 10,330.00           | 21,057.96           | 10,330.00           | 89.06           | 111.15      | -89.93                | -10,590.30             | 640.64     | 879.86               | 679.69                | 200.17                                                                       | 4.395             | Alert                      |  |
| 21,100.00                  | 10,330.00           | 21,107.96           | 10,330.00           | 89.41           | 111.61      | -89.93                | -10,640.30             | 640.92     | 879.86               | 678.88                | 200.98                                                                       | 4.378             | Alert                      |  |
| 21,150.00                  | 10,330.00           | 21,157.96           | 10,330.00           | 89.76           | 112.06      | -89.93                | -10,690.30             | 641.19     | 879.86               | 678.07                | 201.79                                                                       | 4.360             | Alert                      |  |
| 21,200.00                  | 10,330.00           | 21,207.96           | 10,330.00           | 90.11           | 112.52      | -89.93                | -10,740.29             | 641.47     | 879.86               | 677.26                | 202.60                                                                       | 4.343             | Alert                      |  |
| 21,250.00                  | 10,330.00           | 21,257.96           | 10,330.00           | 90.46           | 112.98      | -89.93                | -10,790.29             | 641.75     | 879.86               | 676.45                | 203.41                                                                       | 4.325             | Alert                      |  |
| 21,300.00                  | 10,330.00           | 21,307.96           | 10,330.00           | 90.81           | 113.44      | -89.93                | -10,840.29             | 642.02     | 879.86               | 675.64                | 204.22                                                                       | 4.308             | Alert                      |  |
| 21,350.00                  | 10,330.00           | 21,357.96           | 10,330.00           | 91.16           | 113.90      | -89.93                | -10,890.29             | 642.30     | 879.86               | 674.83                | 205.03                                                                       | 4.291             | Alert                      |  |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

|                     |                                 |                              |                                  |
|---------------------|---------------------------------|------------------------------|----------------------------------|
| Company:            | WCDSC Permian NM                | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Project:            | Eddy County (NAD 83 NM Eastern) | TVD Reference:               | RKB @ 3411.40ft                  |
| Reference Site:     | Sec 15-T23S-R31E                | MD Reference:                | RKB @ 3411.40ft                  |
| Site Error:         | 0.00 ft                         | North Reference:             | Grid                             |
| Reference Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Well Error:         | 0.50 ft                         | Output errors are at:        | 2.00 sigma                       |
| Reference Wellbore: | Wellbore #1                     | Database:                    | EDM r5000.141_Prod US            |
| Reference Design:   | Permit Plan 2                   | Offset TVD Reference:        | Offset Datum                     |

| Offset Design              |                           |                           |                           |                   |                |                              |                                         |               |                            |                             |                               |                      | Offset Site Error: | 0.00 ft |
|----------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|------------------------------|-----------------------------------------|---------------|----------------------------|-----------------------------|-------------------------------|----------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1 |                           |                           |                           |                   |                |                              |                                         |               |                            |                             |                               |                      | Offset Well Error: | 0.50 ft |
| Reference                  |                           | Offset                    |                           | Semi Major Axis   |                | Highside<br>Toothface<br>(") | Distance                                |               | Between<br>Centres<br>(ft) | Between<br>Ellipses<br>(ft) | Minimum<br>Separation<br>(ft) | Separation<br>Factor | Warning            |         |
| Measured<br>Depth<br>(ft)  | Vertical<br>Depth<br>(ft) | Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Reference<br>(ft) | Offset<br>(ft) |                              | Offset Wellbore Centre<br>+N/-S<br>(ft) | +E/-W<br>(ft) |                            |                             |                               |                      |                    |         |
| 21,400.00                  | 10,330.00                 | 21,407.96                 | 10,330.00                 | 91.51             | 114.36         | -89.93                       | -10,940.29                              | 642.58        | 879.86                     | 674.01                      | 205.85                        | 4.274                | Alert              |         |
| 21,450.00                  | 10,330.00                 | 21,457.96                 | 10,330.00                 | 91.86             | 114.82         | -89.93                       | -10,990.29                              | 642.86        | 879.86                     | 673.20                      | 206.66                        | 4.258                | Alert              |         |
| 21,500.00                  | 10,330.00                 | 21,507.96                 | 10,330.00                 | 92.22             | 115.28         | -89.93                       | -11,040.29                              | 643.13        | 879.86                     | 672.39                      | 207.47                        | 4.241                | Alert              |         |
| 21,550.00                  | 10,330.00                 | 21,557.96                 | 10,330.00                 | 92.57             | 115.74         | -89.93                       | -11,090.29                              | 643.41        | 879.86                     | 671.57                      | 208.28                        | 4.224                | Alert              |         |
| 21,600.00                  | 10,330.00                 | 21,607.96                 | 10,330.00                 | 92.92             | 116.21         | -89.93                       | -11,140.29                              | 643.69        | 879.86                     | 670.76                      | 209.10                        | 4.208                | Alert              |         |
| 21,650.00                  | 10,330.00                 | 21,657.96                 | 10,330.00                 | 93.27             | 116.67         | -89.93                       | -11,190.29                              | 643.96        | 879.86                     | 669.95                      | 209.91                        | 4.192                | Alert              |         |
| 21,700.00                  | 10,330.00                 | 21,707.96                 | 10,330.00                 | 93.63             | 117.13         | -89.93                       | -11,240.29                              | 644.24        | 879.86                     | 669.13                      | 210.73                        | 4.175                | Alert              |         |
| 21,750.00                  | 10,330.00                 | 21,757.96                 | 10,330.00                 | 93.98             | 117.59         | -89.93                       | -11,290.29                              | 644.52        | 879.86                     | 668.32                      | 211.54                        | 4.159                | Alert              |         |
| 21,800.00                  | 10,330.00                 | 21,807.96                 | 10,330.00                 | 94.33             | 118.05         | -89.93                       | -11,340.29                              | 644.80        | 879.86                     | 667.50                      | 212.36                        | 4.143                | Alert              |         |
| 21,850.00                  | 10,330.00                 | 21,857.96                 | 10,330.00                 | 94.69             | 118.51         | -89.93                       | -11,390.28                              | 645.07        | 879.86                     | 666.68                      | 213.17                        | 4.127                | Alert              |         |
| 21,900.00                  | 10,330.00                 | 21,907.96                 | 10,330.00                 | 95.04             | 118.98         | -89.93                       | -11,440.28                              | 645.35        | 879.85                     | 665.87                      | 213.99                        | 4.112                | Alert              |         |
| 21,950.00                  | 10,330.00                 | 21,957.96                 | 10,330.00                 | 95.39             | 119.44         | -89.93                       | -11,490.28                              | 645.63        | 879.85                     | 665.05                      | 214.80                        | 4.096                | Alert              |         |
| 22,000.00                  | 10,330.00                 | 22,007.96                 | 10,330.00                 | 95.75             | 119.90         | -89.93                       | -11,540.28                              | 645.90        | 879.85                     | 664.23                      | 215.62                        | 4.081                | Alert              |         |
| 22,050.00                  | 10,330.00                 | 22,057.96                 | 10,330.00                 | 96.10             | 120.36         | -89.93                       | -11,590.28                              | 646.18        | 879.85                     | 663.41                      | 216.44                        | 4.065                | Alert              |         |
| 22,100.00                  | 10,330.00                 | 22,107.96                 | 10,330.00                 | 96.46             | 120.83         | -89.93                       | -11,640.28                              | 646.46        | 879.85                     | 662.60                      | 217.26                        | 4.050                | Alert              |         |
| 22,150.00                  | 10,330.00                 | 22,157.96                 | 10,330.00                 | 96.81             | 121.29         | -89.93                       | -11,690.28                              | 646.74        | 879.85                     | 661.78                      | 218.07                        | 4.035                | Alert              |         |
| 22,200.00                  | 10,330.00                 | 22,207.96                 | 10,330.00                 | 97.17             | 121.75         | -89.93                       | -11,740.28                              | 647.01        | 879.85                     | 660.96                      | 218.89                        | 4.020                | Alert              |         |
| 22,250.00                  | 10,330.00                 | 22,257.96                 | 10,330.00                 | 97.52             | 122.22         | -89.93                       | -11,790.28                              | 647.29        | 879.85                     | 660.14                      | 219.71                        | 4.005                | Alert              |         |
| 22,300.00                  | 10,330.00                 | 22,307.96                 | 10,330.00                 | 97.88             | 122.68         | -89.93                       | -11,840.28                              | 647.57        | 879.85                     | 659.32                      | 220.53                        | 3.990                | Alert              |         |
| 22,350.00                  | 10,330.00                 | 22,357.96                 | 10,330.00                 | 98.23             | 123.14         | -89.93                       | -11,890.28                              | 647.84        | 879.85                     | 658.50                      | 221.35                        | 3.975                | Alert              |         |
| 22,400.00                  | 10,330.00                 | 22,407.96                 | 10,330.00                 | 98.59             | 123.61         | -89.93                       | -11,940.28                              | 648.12        | 879.85                     | 657.68                      | 222.17                        | 3.960                | Alert              |         |
| 22,450.00                  | 10,330.00                 | 22,457.96                 | 10,330.00                 | 98.95             | 124.07         | -89.93                       | -11,990.28                              | 648.40        | 879.85                     | 656.86                      | 222.99                        | 3.946                | Alert              |         |
| 22,500.00                  | 10,330.00                 | 22,507.96                 | 10,330.00                 | 99.30             | 124.54         | -89.93                       | -12,040.27                              | 648.68        | 879.85                     | 656.04                      | 223.81                        | 3.931                | Alert              |         |
| 22,550.00                  | 10,330.00                 | 22,557.96                 | 10,330.00                 | 99.66             | 125.00         | -89.93                       | -12,090.27                              | 648.95        | 879.85                     | 655.21                      | 224.63                        | 3.917                | Alert              |         |
| 22,600.00                  | 10,330.00                 | 22,607.96                 | 10,330.00                 | 100.02            | 125.47         | -89.93                       | -12,140.27                              | 649.23        | 879.85                     | 654.39                      | 225.45                        | 3.903                | Alert              |         |
| 22,650.00                  | 10,330.00                 | 22,657.96                 | 10,330.00                 | 100.37            | 125.93         | -89.93                       | -12,190.27                              | 649.51        | 879.85                     | 653.57                      | 226.28                        | 3.888                | Alert              |         |
| 22,700.00                  | 10,330.00                 | 22,707.96                 | 10,330.00                 | 100.73            | 126.40         | -89.93                       | -12,240.27                              | 649.78        | 879.85                     | 652.75                      | 227.10                        | 3.874                | Alert              |         |
| 22,750.00                  | 10,330.00                 | 22,757.96                 | 10,330.00                 | 101.09            | 126.86         | -89.93                       | -12,290.27                              | 650.06        | 879.85                     | 651.92                      | 227.92                        | 3.860                | Alert              |         |
| 22,800.00                  | 10,330.00                 | 22,807.96                 | 10,330.00                 | 101.45            | 127.33         | -89.93                       | -12,340.27                              | 650.34        | 879.85                     | 651.10                      | 228.74                        | 3.846                | Alert              |         |
| 22,850.00                  | 10,330.00                 | 22,857.96                 | 10,330.00                 | 101.80            | 127.79         | -89.93                       | -12,390.27                              | 650.62        | 879.84                     | 650.28                      | 229.57                        | 3.833                | Alert              |         |
| 22,900.00                  | 10,330.00                 | 22,907.96                 | 10,330.00                 | 102.16            | 128.26         | -89.93                       | -12,440.27                              | 650.89        | 879.84                     | 649.45                      | 230.39                        | 3.819                | Alert              |         |
| 22,950.00                  | 10,330.00                 | 22,957.96                 | 10,330.00                 | 102.52            | 128.72         | -89.93                       | -12,490.27                              | 651.17        | 879.84                     | 648.63                      | 231.22                        | 3.805                | Alert              |         |
| 23,000.00                  | 10,330.00                 | 23,007.96                 | 10,330.00                 | 102.88            | 129.19         | -89.93                       | -12,540.27                              | 651.45        | 879.84                     | 647.80                      | 232.04                        | 3.792                | Alert              |         |
| 23,050.00                  | 10,330.00                 | 23,057.96                 | 10,330.00                 | 103.24            | 129.65         | -89.93                       | -12,590.27                              | 651.72        | 879.84                     | 646.98                      | 232.86                        | 3.778                | Alert              |         |
| 23,100.00                  | 10,330.00                 | 23,107.96                 | 10,330.00                 | 103.59            | 130.12         | -89.93                       | -12,640.27                              | 652.00        | 879.84                     | 646.15                      | 233.69                        | 3.765                | Alert              |         |
| 23,150.00                  | 10,330.00                 | 23,157.96                 | 10,330.00                 | 103.95            | 130.59         | -89.93                       | -12,690.26                              | 652.28        | 879.84                     | 645.33                      | 234.51                        | 3.752                | Alert              |         |
| 23,200.00                  | 10,330.00                 | 23,207.96                 | 10,330.00                 | 104.31            | 131.05         | -89.93                       | -12,740.26                              | 652.56        | 879.84                     | 644.50                      | 235.34                        | 3.739                | Alert              |         |
| 23,250.00                  | 10,330.00                 | 23,257.96                 | 10,330.00                 | 104.67            | 131.52         | -89.93                       | -12,790.26                              | 652.83        | 879.84                     | 643.67                      | 236.17                        | 3.726                | Alert              |         |
| 23,300.00                  | 10,330.00                 | 23,307.96                 | 10,330.00                 | 105.03            | 131.99         | -89.93                       | -12,840.26                              | 653.11        | 879.84                     | 642.85                      | 236.99                        | 3.713                | Alert              |         |
| 23,350.00                  | 10,330.00                 | 23,357.96                 | 10,330.00                 | 105.39            | 132.45         | -89.93                       | -12,890.26                              | 653.39        | 879.84                     | 642.02                      | 237.82                        | 3.700                | Alert              |         |
| 23,400.00                  | 10,330.00                 | 23,407.96                 | 10,330.00                 | 105.75            | 132.92         | -89.93                       | -12,940.26                              | 653.67        | 879.84                     | 641.19                      | 238.65                        | 3.687                | Alert              |         |
| 23,450.00                  | 10,330.00                 | 23,457.96                 | 10,330.00                 | 106.11            | 133.39         | -89.93                       | -12,990.26                              | 653.94        | 879.84                     | 640.37                      | 239.47                        | 3.674                | Alert              |         |
| 23,500.00                  | 10,330.00                 | 23,507.96                 | 10,330.00                 | 106.47            | 133.86         | -89.93                       | -13,040.26                              | 654.22        | 879.84                     | 639.54                      | 240.30                        | 3.661                | Alert              |         |
| 23,550.00                  | 10,330.00                 | 23,557.96                 | 10,330.00                 | 106.83            | 134.32         | -89.93                       | -13,090.26                              | 654.50        | 879.84                     | 638.71                      | 241.13                        | 3.649                | Alert              |         |
| 23,600.00                  | 10,330.00                 | 23,607.96                 | 10,330.00                 | 107.19            | 134.79         | -89.93                       | -13,140.26                              | 654.77        | 879.84                     | 637.88                      | 241.96                        | 3.636                | Alert              |         |
| 23,650.00                  | 10,330.00                 | 23,657.96                 | 10,330.00                 | 107.55            | 135.26         | -89.93                       | -13,190.26                              | 655.05        | 879.84                     | 637.05                      | 242.78                        | 3.624                | Alert              |         |
| 23,700.00                  | 10,330.00                 | 23,707.96                 | 10,330.00                 | 107.91            | 135.73         | -89.93                       | -13,240.26                              | 655.33        | 879.84                     | 636.22                      | 243.61                        | 3.612                | Alert              |         |
| 23,750.00                  | 10,330.00                 | 23,757.96                 | 10,330.00                 | 108.27            | 136.19         | -89.93                       | -13,290.26                              | 655.61        | 879.84                     | 635.39                      | 244.44                        | 3.599                | Alert              |         |
| 23,800.00                  | 10,330.00                 | 23,807.96                 | 10,330.00                 | 108.63            | 136.66         | -89.93                       | -13,340.25                              | 655.88        | 879.83                     | 634.56                      | 245.27                        | 3.587                | Alert              |         |
| 23,850.00                  | 10,330.00                 | 23,857.96                 | 10,330.00                 | 108.99            | 137.13         | -89.93                       | -13,390.25                              | 656.16        | 879.83                     | 633.73                      | 246.10                        | 3.575                | Alert              |         |
| 23,900.00                  | 10,330.00                 | 23,907.96                 | 10,330.00                 | 109.36            | 137.60         | -89.93                       | -13,440.25                              | 656.44        | 879.83                     | 632.90                      | 246.93                        | 3.563                | Alert              |         |
| 23,950.00                  | 10,330.00                 | 23,957.96                 | 10,330.00                 | 109.72            | 138.07         | -89.93                       | -13,490.25                              | 656.71        | 879.83                     | 632.07                      | 247.76                        | 3.551                | Alert              |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

|                           |                                 |                                     |                                  |
|---------------------------|---------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | WCDSC Permian NM                | <b>Local Co-ordinate Reference:</b> | Well Maldives 15-27 Fed Com 231H |
| <b>Project:</b>           | Eddy County (NAD 83 NM Eastern) | <b>TVD Reference:</b>               | RKB @ 3411.40ft                  |
| <b>Reference Site:</b>    | Sec 15-T23S-R31E                | <b>MD Reference:</b>                | RKB @ 3411.40ft                  |
| <b>Site Error:</b>        | 0.00 ft                         | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Maldives 15-27 Fed Com 231H     | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.50 ft                         | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | Wellbore #1                     | <b>Database:</b>                    | EDM r5000.141_Prod US            |
| <b>Reference Design:</b>  | Permit Plan 2                   | <b>Offset TVD Reference:</b>        | Offset Datum                     |

| Offset Design                                                                |                     |                     |                     |                 |             |                       |                                 |                                 |                      |                       |                         | Offset Site Error: | 0.00 ft |
|------------------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|---------------------------------|---------------------------------|----------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 0-MWD+IFR1                                                   |                     |                     |                     |                 |             |                       |                                 |                                 |                      |                       |                         | Offset Well Error: | 0.50 ft |
| Sec 15-T23S-R31E - Maldives 15-27 Fed Com 232H - Wellbore #1 - Permit Plan 2 |                     |                     |                     |                 |             |                       |                                 |                                 |                      |                       |                         |                    |         |
| Reference                                                                    |                     | Offset              |                     | Semi Major Axis |             | Distance              |                                 | Minimum                         |                      | Separation            |                         | Warning            |         |
| Measured Depth (ft)                                                          | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre N-S (ft) | Offset Wellbore Centre E-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Factor             |         |
| 24,000.00                                                                    | 10,330.00           | 24,007.96           | 10,330.00           | 110.08          | 138.54      | -89.93                | -13,540.25                      | 656.99                          | 879.83               | 631.24                | 248.59                  | 3.539              | Alert   |
| 24,050.00                                                                    | 10,330.00           | 24,057.96           | 10,330.00           | 110.44          | 139.00      | -89.93                | -13,590.25                      | 657.27                          | 879.83               | 630.41                | 249.42                  | 3.528              | Alert   |
| 24,100.00                                                                    | 10,330.00           | 24,107.96           | 10,330.00           | 110.80          | 139.47      | -89.93                | -13,640.25                      | 657.55                          | 879.83               | 629.58                | 250.25                  | 3.516              | Alert   |
| 24,150.00                                                                    | 10,330.00           | 24,157.96           | 10,330.00           | 111.16          | 139.94      | -89.93                | -13,690.25                      | 657.82                          | 879.83               | 628.75                | 251.08                  | 3.504              | Alert   |
| 24,200.00                                                                    | 10,330.00           | 24,207.96           | 10,330.00           | 111.53          | 140.41      | -89.93                | -13,740.25                      | 658.10                          | 879.83               | 627.92                | 251.91                  | 3.493              | Alert   |
| 24,250.00                                                                    | 10,330.00           | 24,257.96           | 10,330.00           | 111.89          | 140.88      | -89.93                | -13,790.25                      | 658.38                          | 879.83               | 627.09                | 252.74                  | 3.481              | Alert   |
| 24,300.00                                                                    | 10,330.00           | 24,307.96           | 10,330.00           | 112.25          | 141.35      | -89.93                | -13,840.25                      | 658.65                          | 879.83               | 626.25                | 253.58                  | 3.470              | Alert   |
| 24,350.00                                                                    | 10,330.00           | 24,357.96           | 10,330.00           | 112.61          | 141.82      | -89.93                | -13,890.25                      | 658.93                          | 879.83               | 625.42                | 254.41                  | 3.458              | Alert   |
| 24,400.00                                                                    | 10,330.00           | 24,407.96           | 10,330.00           | 112.98          | 142.29      | -89.93                | -13,940.25                      | 659.21                          | 879.83               | 624.59                | 255.24                  | 3.447              | Alert   |
| 24,450.00                                                                    | 10,330.00           | 24,457.96           | 10,330.00           | 113.34          | 142.76      | -89.93                | -13,990.24                      | 659.49                          | 879.83               | 623.75                | 256.07                  | 3.436              | Alert   |
| 24,500.00                                                                    | 10,330.00           | 24,507.96           | 10,330.00           | 113.70          | 143.23      | -89.93                | -14,040.24                      | 659.76                          | 879.83               | 622.92                | 256.91                  | 3.425              | Alert   |
| 24,550.00                                                                    | 10,330.00           | 24,557.96           | 10,330.00           | 114.07          | 143.70      | -89.93                | -14,090.24                      | 660.04                          | 879.83               | 622.09                | 257.74                  | 3.414              | Alert   |
| 24,600.00                                                                    | 10,330.00           | 24,607.96           | 10,330.00           | 114.43          | 144.17      | -89.93                | -14,140.24                      | 660.32                          | 879.83               | 621.25                | 258.57                  | 3.403              | Alert   |
| 24,650.00                                                                    | 10,330.00           | 24,657.96           | 10,330.00           | 114.79          | 144.64      | -89.93                | -14,190.24                      | 660.59                          | 879.83               | 620.42                | 259.41                  | 3.392              | Alert   |
| 24,700.00                                                                    | 10,330.00           | 24,707.96           | 10,330.00           | 115.16          | 145.11      | -89.93                | -14,240.24                      | 660.87                          | 879.83               | 619.59                | 260.24                  | 3.381              | Alert   |
| 24,750.00                                                                    | 10,330.00           | 24,757.96           | 10,330.00           | 115.52          | 145.58      | -89.93                | -14,290.24                      | 661.15                          | 879.82               | 618.75                | 261.07                  | 3.370              | Alert   |
| 24,800.00                                                                    | 10,330.00           | 24,807.96           | 10,330.00           | 115.88          | 146.05      | -89.93                | -14,340.24                      | 661.43                          | 879.82               | 617.92                | 261.91                  | 3.359              | Alert   |
| 24,850.00                                                                    | 10,330.00           | 24,857.96           | 10,330.00           | 116.25          | 146.52      | -89.93                | -14,390.24                      | 661.70                          | 879.82               | 617.08                | 262.74                  | 3.349              | Alert   |
| 24,900.00                                                                    | 10,330.00           | 24,907.96           | 10,330.00           | 116.61          | 146.99      | -89.93                | -14,440.24                      | 661.98                          | 879.82               | 616.25                | 263.58                  | 3.338              | Alert   |
| 24,950.00                                                                    | 10,330.00           | 24,957.96           | 10,330.00           | 116.97          | 147.46      | -89.93                | -14,490.24                      | 662.26                          | 879.82               | 615.41                | 264.41                  | 3.327              | Alert   |
| 25,000.00                                                                    | 10,330.00           | 25,007.96           | 10,330.00           | 117.34          | 147.93      | -89.93                | -14,540.24                      | 662.53                          | 879.82               | 614.58                | 265.25                  | 3.317              | Alert   |
| 25,050.00                                                                    | 10,330.00           | 25,057.96           | 10,330.00           | 117.70          | 148.40      | -89.93                | -14,590.24                      | 662.81                          | 879.82               | 613.74                | 266.08                  | 3.307              | Alert   |
| 25,100.00                                                                    | 10,330.00           | 25,107.96           | 10,330.00           | 118.07          | 148.87      | -89.93                | -14,640.23                      | 663.09                          | 879.82               | 612.90                | 266.92                  | 3.296              | Alert   |
| 25,150.00                                                                    | 10,330.00           | 25,157.96           | 10,330.00           | 118.43          | 149.34      | -89.93                | -14,690.23                      | 663.37                          | 879.82               | 612.07                | 267.75                  | 3.286              | Alert   |
| 25,200.00                                                                    | 10,330.00           | 25,207.96           | 10,330.00           | 118.80          | 149.81      | -89.93                | -14,740.23                      | 663.64                          | 879.82               | 611.23                | 268.59                  | 3.276              | Alert   |
| 25,250.00                                                                    | 10,330.00           | 25,257.96           | 10,330.00           | 119.16          | 150.29      | -89.93                | -14,790.23                      | 663.92                          | 879.82               | 610.39                | 269.42                  | 3.266              | Alert   |
| 25,300.00                                                                    | 10,330.00           | 25,307.96           | 10,330.00           | 119.53          | 150.76      | -89.93                | -14,840.23                      | 664.20                          | 879.82               | 609.56                | 270.26                  | 3.255              | Alert   |
| 25,350.00                                                                    | 10,330.00           | 25,357.96           | 10,330.00           | 119.89          | 151.23      | -89.93                | -14,890.23                      | 664.47                          | 879.82               | 608.72                | 271.10                  | 3.245              | Alert   |
| 25,400.00                                                                    | 10,330.00           | 25,407.96           | 10,330.00           | 120.26          | 151.70      | -89.93                | -14,940.23                      | 664.75                          | 879.82               | 607.88                | 271.93                  | 3.235              | Alert   |
| 25,450.00                                                                    | 10,330.00           | 25,457.96           | 10,330.00           | 120.62          | 152.17      | -89.93                | -14,990.23                      | 665.03                          | 879.82               | 607.05                | 272.77                  | 3.225              | Alert   |
| 25,500.00                                                                    | 10,330.00           | 25,507.96           | 10,330.00           | 120.99          | 152.64      | -89.93                | -15,040.23                      | 665.31                          | 879.82               | 606.21                | 273.61                  | 3.216              | Alert   |
| 25,550.00                                                                    | 10,330.00           | 25,557.96           | 10,330.00           | 121.35          | 153.11      | -89.93                | -15,090.23                      | 665.58                          | 879.82               | 605.37                | 274.45                  | 3.206              | Alert   |
| 25,600.00                                                                    | 10,330.00           | 25,607.96           | 10,330.00           | 121.72          | 153.59      | -89.93                | -15,140.23                      | 665.86                          | 879.82               | 604.53                | 275.28                  | 3.196              | Alert   |
| 25,650.00                                                                    | 10,330.00           | 25,657.96           | 10,330.00           | 122.12          | 154.06      | -89.93                | -15,190.23                      | 666.14                          | 879.82               | 603.67                | 276.15                  | 3.186              | Alert   |
| 25,666.80                                                                    | 10,330.00           | 25,674.76           | 10,330.00           | 122.25          | 154.22      | -89.93                | -15,207.02                      | 666.23                          | 879.82               | 603.37                | 276.44                  | 3.183              | Alert   |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

|                     |                                 |                              |                                  |
|---------------------|---------------------------------|------------------------------|----------------------------------|
| Company:            | WCDSC Permian NM                | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Project:            | Eddy County (NAD 83 NM Eastern) | TVD Reference:               | RKB @ 3411.40ft                  |
| Reference Site:     | Sec 15-T23S-R31E                | MD Reference:                | RKB @ 3411.40ft                  |
| Site Error:         | 0.00 ft                         | North Reference:             | Grid                             |
| Reference Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Well Error:         | 0.50 ft                         | Output errors are at:        | 2.00 sigma                       |
| Reference Wellbore: | Wellbore #1                     | Database:                    | EDM r5000.141_Prod US            |
| Reference Design:   | Permit Plan 2                   | Offset TVD Reference:        | Offset Datum                     |

| Offset Design: Sec 15-T23S-R31E - Todd 15 C Fed #003 (Active) - Wellbore #1 - No Surveys |                           |                           |                           |                   |                |                      |                        |              |                            |                             |                       |                      |         | Offset Site Error: | 0.00 ft  |
|------------------------------------------------------------------------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|----------------------|------------------------|--------------|----------------------------|-----------------------------|-----------------------|----------------------|---------|--------------------|----------|
| Survey Program: 10-INC-ONLY                                                              |                           |                           |                           |                   |                |                      |                        |              |                            |                             |                       |                      |         | Offset Well Error: | 10.00 ft |
| Reference                                                                                |                           | Offset                    |                           | Semi Major Axis   |                | Highside<br>Toolface | Offset Wellbore Centre |              | Distance                   |                             | Minimum<br>Separation | Separation<br>Factor | Warning |                    |          |
| Measured<br>Depth<br>(ft)                                                                | Vertical<br>Depth<br>(ft) | Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Reference<br>(ft) | Offset<br>(ft) |                      | +N/S<br>(ft)           | +E/W<br>(ft) | Between<br>Centres<br>(ft) | Between<br>Ellipses<br>(ft) |                       |                      |         |                    |          |
| 0.00                                                                                     | 0.00                      | 0.00                      | 0.00                      | 0.50              | 10.00          | 97.26                | -153.00                | 1,201.04     | 1,210.74                   |                             | 10.52                 | 115.102              |         |                    |          |
| 50.00                                                                                    | 50.00                     | 48.62                     | 48.62                     | 0.50              | 10.02          | 97.26                | -153.00                | 1,201.04     | 1,210.74                   | 1,200.22                    | 10.61                 | 114.158              |         |                    |          |
| 100.00                                                                                   | 100.00                    | 98.66                     | 98.66                     | 0.52              | 10.09          | 97.26                | -152.99                | 1,201.04     | 1,210.74                   | 1,200.13                    | 10.80                 | 112.060              |         |                    |          |
| 150.00                                                                                   | 150.00                    | 148.69                    | 148.69                    | 0.59              | 10.21          | 97.26                | -152.96                | 1,201.04     | 1,210.74                   | 1,199.93                    | 11.09                 | 109.126              |         |                    |          |
| 200.00                                                                                   | 200.00                    | 198.72                    | 198.72                    | 0.70              | 10.39          | 97.26                | -152.93                | 1,201.04     | 1,210.73                   | 1,199.64                    | 11.46                 | 105.658              |         |                    |          |
| 250.00                                                                                   | 250.00                    | 248.75                    | 248.75                    | 0.84              | 10.62          | 97.25                | -152.88                | 1,201.04     | 1,210.73                   | 1,199.27                    | 11.88                 | 101.879              |         |                    |          |
| 300.00                                                                                   | 300.00                    | 298.79                    | 298.79                    | 0.99              | 10.90          | 97.25                | -152.83                | 1,201.04     | 1,210.72                   | 1,198.84                    | 12.36                 | 97.948               |         |                    |          |
| 350.00                                                                                   | 350.00                    | 348.82                    | 348.82                    | 1.15              | 11.21          | 97.25                | -152.76                | 1,201.04     | 1,210.71                   | 1,198.35                    | 12.88                 | 93.978               |         |                    |          |
| 400.00                                                                                   | 400.00                    | 398.85                    | 398.85                    | 1.31              | 11.57          | 97.25                | -152.69                | 1,201.04     | 1,210.70                   | 1,197.82                    | 13.44                 | 90.049               |         |                    |          |
| 450.00                                                                                   | 450.00                    | 448.88                    | 448.88                    | 1.48              | 11.97          | 97.24                | -152.60                | 1,201.04     | 1,210.69                   | 1,197.25                    | 14.04                 | 86.218               |         |                    |          |
| 500.00                                                                                   | 500.00                    | 498.91                    | 498.91                    | 1.65              | 12.39          | 97.24                | -152.50                | 1,201.04     | 1,210.68                   | 1,196.64                    | 14.67                 | 82.523               |         |                    |          |
| 550.00                                                                                   | 550.00                    | 548.95                    | 548.95                    | 1.82              | 12.85          | 97.23                | -152.39                | 1,201.04     | 1,210.67                   | 1,196.00                    | 15.33                 | 78.988               |         |                    |          |
| 600.00                                                                                   | 600.00                    | 598.98                    | 598.98                    | 1.99              | 13.34          | 97.23                | -152.27                | 1,201.04     | 1,210.65                   | 1,195.32                    | 16.01                 | 75.626               |         |                    |          |
| 650.00                                                                                   | 650.00                    | 649.01                    | 649.01                    | 2.17              | 13.84          | 97.22                | -152.14                | 1,201.04     | 1,210.63                   | 1,194.63                    | 16.71                 | 72.443               |         |                    |          |
| 700.00                                                                                   | 700.00                    | 699.04                    | 699.04                    | 2.34              | 14.37          | 97.21                | -152.00                | 1,201.04     | 1,210.62                   | 1,193.91                    | 17.43                 | 69.438               |         |                    |          |
| 750.00                                                                                   | 750.00                    | 749.07                    | 749.07                    | 2.52              | 14.92          | 97.21                | -151.85                | 1,201.04     | 1,210.60                   | 1,193.16                    | 18.17                 | 66.609               |         |                    |          |
| 800.00                                                                                   | 800.00                    | 799.11                    | 799.10                    | 2.69              | 15.48          | 97.20                | -151.69                | 1,201.04     | 1,210.58                   | 1,192.40                    | 18.93                 | 63.949               |         |                    |          |
| 850.00                                                                                   | 850.00                    | 849.14                    | 849.14                    | 2.87              | 16.06          | 97.19                | -151.52                | 1,201.04     | 1,210.56                   | 1,191.63                    | 19.70                 | 61.450               |         |                    |          |
| 900.00                                                                                   | 900.00                    | 899.17                    | 899.17                    | 3.04              | 16.66          | 97.18                | -151.34                | 1,201.04     | 1,210.53                   | 1,190.83                    | 20.48                 | 59.102               |         |                    |          |
| 950.00                                                                                   | 950.00                    | 949.20                    | 949.20                    | 3.22              | 17.26          | 97.17                | -151.15                | 1,201.04     | 1,210.51                   | 1,190.03                    | 21.27                 | 56.897               |         |                    |          |
| 1,000.00                                                                                 | 1,000.00                  | 999.23                    | 999.23                    | 3.40              | 17.88          | 97.16                | -150.94                | 1,201.04     | 1,210.48                   | 1,189.21                    | 22.08                 | 54.826               |         |                    |          |
| 1,050.00                                                                                 | 1,050.00                  | 1,049.26                  | 1,049.26                  | 3.58              | 18.50          | 97.15                | -150.73                | 1,201.04     | 1,210.46                   | 1,188.38                    | 22.89                 | 52.879               |         |                    |          |
| 1,100.00                                                                                 | 1,100.00                  | 1,099.29                  | 1,099.29                  | 3.75              | 19.14          | 97.14                | -150.51                | 1,201.04     | 1,210.43                   | 1,187.54                    | 23.71                 | 51.048               |         |                    |          |
| 1,150.00                                                                                 | 1,150.00                  | 1,149.33                  | 1,149.32                  | 3.93              | 19.78          | 97.13                | -150.27                | 1,201.04     | 1,210.40                   | 1,186.69                    | 24.54                 | 49.324               |         |                    |          |
| 1,200.00                                                                                 | 1,200.00                  | 1,199.36                  | 1,199.35                  | 4.11              | 20.43          | 97.12                | -150.03                | 1,201.04     | 1,210.37                   | 1,185.83                    | 25.37                 | 47.700               |         |                    |          |
| 1,250.00                                                                                 | 1,250.00                  | 1,249.39                  | 1,249.38                  | 4.29              | 21.09          | 97.11                | -149.77                | 1,201.04     | 1,210.34                   | 1,184.96                    | 26.21                 | 46.169               |         |                    |          |
| 1,300.00                                                                                 | 1,300.00                  | 1,299.42                  | 1,299.41                  | 4.47              | 21.75          | 97.10                | -149.50                | 1,201.04     | 1,210.31                   | 1,184.09                    | 27.06                 | 44.724               |         |                    |          |
| 1,350.00                                                                                 | 1,350.00                  | 1,349.45                  | 1,349.44                  | 4.64              | 22.42          | 97.08                | -149.23                | 1,201.04     | 1,210.27                   | 1,183.21                    | 27.91                 | 43.359               |         |                    |          |
| 1,400.00                                                                                 | 1,400.00                  | 1,399.48                  | 1,399.47                  | 4.82              | 23.09          | 97.07                | -148.94                | 1,201.04     | 1,210.24                   | 1,182.32                    | 28.77                 | 42.067               |         |                    |          |
| 1,450.00                                                                                 | 1,450.00                  | 1,449.51                  | 1,449.50                  | 5.00              | 23.77          | 97.06                | -148.64                | 1,201.04     | 1,210.20                   | 1,181.43                    | 29.63                 | 40.845               |         |                    |          |
| 1,500.00                                                                                 | 1,500.00                  | 1,499.54                  | 1,499.53                  | 5.18              | 24.45          | 97.04                | -148.33                | 1,201.04     | 1,210.16                   | 1,180.53                    | 30.49                 | 39.686               |         |                    |          |
| 1,550.00                                                                                 | 1,550.00                  | 1,549.57                  | 1,549.56                  | 5.36              | 25.14          | 97.03                | -148.01                | 1,201.04     | 1,210.12                   | 1,179.63                    | 31.36                 | 38.587               |         |                    |          |
| 1,600.00                                                                                 | 1,600.00                  | 1,599.60                  | 1,599.59                  | 5.54              | 25.83          | 97.01                | -147.68                | 1,201.04     | 1,210.08                   | 1,178.72                    | 32.23                 | 37.543               |         |                    |          |
| 1,650.00                                                                                 | 1,650.00                  | 1,649.63                  | 1,649.62                  | 5.71              | 26.52          | 96.99                | -147.34                | 1,201.04     | 1,210.04                   | 1,177.81                    | 33.11                 | 36.550               |         |                    |          |
| 1,700.00                                                                                 | 1,700.00                  | 1,699.66                  | 1,699.65                  | 5.89              | 27.21          | 96.98                | -146.99                | 1,201.04     | 1,210.00                   | 1,176.89                    | 33.98                 | 35.606               |         |                    |          |
| 1,750.00                                                                                 | 1,750.00                  | 1,749.69                  | 1,749.67                  | 6.07              | 27.91          | 96.96                | -146.63                | 1,201.04     | 1,209.95                   | 1,175.97                    | 34.86                 | 34.706               |         |                    |          |
| 1,800.00                                                                                 | 1,800.00                  | 1,799.72                  | 1,799.70                  | 6.25              | 28.61          | 96.94                | -146.26                | 1,201.04     | 1,209.91                   | 1,175.05                    | 35.74                 | 33.848               |         |                    |          |
| 1,850.00                                                                                 | 1,850.00                  | 1,849.75                  | 1,849.73                  | 6.43              | 29.32          | 96.93                | -145.88                | 1,201.04     | 1,209.86                   | 1,174.12                    | 36.63                 | 33.030               |         |                    |          |
| 1,900.00                                                                                 | 1,900.00                  | 1,899.78                  | 1,899.76                  | 6.61              | 30.02          | 96.91                | -145.48                | 1,201.04     | 1,209.82                   | 1,173.19                    | 37.51                 | 32.248               |         |                    |          |
| 1,950.00                                                                                 | 1,950.00                  | 1,949.81                  | 1,949.79                  | 6.79              | 30.73          | 96.89                | -145.08                | 1,201.04     | 1,209.77                   | 1,172.25                    | 38.40                 | 31.501               |         |                    |          |
| 2,000.00                                                                                 | 2,000.00                  | 1,999.84                  | 1,999.81                  | 6.96              | 31.44          | 96.87                | -144.67                | 1,201.04     | 1,209.72                   | 1,171.32                    | 39.29                 | 30.786               |         |                    |          |
| 2,050.00                                                                                 | 2,050.00                  | 2,049.86                  | 2,049.84                  | 7.14              | 32.15          | 96.85                | -144.24                | 1,201.04     | 1,209.67                   | 1,170.37                    | 40.18                 | 30.102               |         |                    |          |
| 2,100.00                                                                                 | 2,100.00                  | 2,099.89                  | 2,099.87                  | 7.32              | 32.86          | 96.83                | -143.81                | 1,201.04     | 1,209.62                   | 1,169.43                    | 41.08                 | 29.446               |         |                    |          |
| 2,150.00                                                                                 | 2,150.00                  | 2,149.92                  | 2,149.89                  | 7.50              | 33.58          | 96.81                | -143.36                | 1,201.04     | 1,209.56                   | 1,168.49                    | 41.97                 | 28.817               |         |                    |          |
| 2,200.00                                                                                 | 2,200.00                  | 2,199.95                  | 2,199.92                  | 7.68              | 34.29          | 96.79                | -142.91                | 1,201.04     | 1,209.51                   | 1,167.54                    | 42.87                 | 28.213               |         |                    |          |
| 2,250.00                                                                                 | 2,250.00                  | 2,249.98                  | 2,249.94                  | 7.86              | 35.01          | 96.76                | -142.44                | 1,201.04     | 1,209.45                   | 1,166.58                    | 43.77                 | 27.633               |         |                    |          |
| 2,300.00                                                                                 | 2,300.00                  | 2,300.00                  | 2,299.97                  | 8.04              | 35.73          | 96.74                | -141.96                | 1,201.04     | 1,209.40                   | 1,165.63                    | 44.67                 | 27.075               |         |                    |          |
| 2,350.00                                                                                 | 2,350.00                  | 2,350.03                  | 2,349.99                  | 8.22              | 36.45          | 96.72                | -141.48                | 1,201.04     | 1,209.34                   | 1,164.68                    | 45.57                 | 26.539               |         |                    |          |
| 2,400.00                                                                                 | 2,400.00                  | 2,400.06                  | 2,400.02                  | 8.40              | 37.17          | 96.69                | -140.98                | 1,201.04     | 1,209.28                   | 1,163.72                    | 46.47                 | 26.023               |         |                    |          |
| 2,450.00                                                                                 | 2,450.00                  | 2,450.09                  | 2,450.04                  | 8.57              | 37.89          | 96.67                | -140.47                | 1,201.04     | 1,209.22                   | 1,162.76                    | 47.37                 | 25.526               |         |                    |          |
| 2,500.00                                                                                 | 2,500.00                  | 2,500.11                  | 2,500.07                  | 8.75              | 38.62          | 96.65                | -139.95                | 1,201.04     | 1,209.16                   | 1,161.79                    | 48.27                 | 25.048               |         |                    |          |
| 2,550.00                                                                                 | 2,550.00                  | 2,550.14                  | 2,550.09                  | 8.93              | 39.34          | 96.62                | -139.42                | 1,201.04     | 1,209.10                   | 1,160.83                    |                       |                      |         |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

|                     |                                 |                              |                                  |
|---------------------|---------------------------------|------------------------------|----------------------------------|
| Company:            | WCDSC Permian NM                | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Project:            | Eddy County (NAD 83 NM Eastern) | TVD Reference:               | RKB @ 3411.40ft                  |
| Reference Site:     | Sec 15-T23S-R31E                | MD Reference:                | RKB @ 3411.40ft                  |
| Site Error:         | 0.00 ft                         | North Reference:             | Grid                             |
| Reference Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Well Error:         | 0.50 ft                         | Output errors are at         | 2.00 sigma                       |
| Reference Wellbore: | Wellbore #1                     | Database:                    | EDM r5000.141_Prod US            |
| Reference Design:   | Permit Plan 2.                  | Offset TVD Reference:        | Offset Datum                     |

| Offset Design                                                             |                     |                     |                     |                 |             |                       |                                 |                                 |                      |                       |                         |                   | Offset Site Error: | 0.00 ft  |
|---------------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|---------------------------------|---------------------------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|----------|
| Sec 15-T23S-R31E - Todd 15 C Fed #003 (Active) - Wellbore #1 - No Surveys |                     |                     |                     |                 |             |                       |                                 |                                 |                      |                       |                         |                   | Offset Well Error: | 10.00 ft |
| Survey Program: 10-INC-ONLY                                               |                     |                     |                     |                 |             |                       |                                 |                                 |                      |                       |                         |                   |                    |          |
| Reference                                                                 |                     | Offset              |                     | Semi Major Axis |             | Distance              |                                 | Minimum Separation              |                      | Warning               |                         |                   |                    |          |
| Measured Depth (ft)                                                       | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre N-S (ft) | Offset Wellbore Centre E-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |          |
| 2,600.00                                                                  | 2,600.00            | 2,600.17            | 2,600.11            | 9.11            | 40.07       | 96.60                 | -138.88                         | 1,201.04                        | 1,209.04             | 1,159.86              | 49.18                   | 24.586            |                    |          |
| 2,650.00                                                                  | 2,650.00            | 2,650.19            | 2,650.14            | 9.29            | 40.79       | 96.57                 | -138.33                         | 1,201.04                        | 1,208.98             | 1,158.90              | 50.08                   | 24.140            |                    |          |
| 2,700.00                                                                  | 2,700.00            | 2,700.22            | 2,700.16            | 9.47            | 41.52       | 96.54                 | -137.77                         | 1,201.04                        | 1,208.91             | 1,157.93              | 50.99                   | 23.710            |                    |          |
| 2,750.00                                                                  | 2,750.00            | 2,750.24            | 2,750.18            | 9.65            | 42.25       | 96.52                 | -137.19                         | 1,201.04                        | 1,208.85             | 1,156.95              | 51.89                   | 23.295            |                    |          |
| 2,800.00                                                                  | 2,800.00            | 2,800.27            | 2,800.21            | 9.83            | 42.98       | 96.49                 | -136.61                         | 1,201.04                        | 1,208.78             | 1,155.98              | 52.80                   | 22.893            |                    |          |
| 2,850.00                                                                  | 2,850.00            | 2,850.29            | 2,850.23            | 10.01           | 43.70       | 96.46                 | -136.02                         | 1,201.04                        | 1,208.72             | 1,155.01              | 53.71                   | 22.505            |                    |          |
| 2,900.00                                                                  | 2,900.00            | 2,900.32            | 2,900.25            | 10.19           | 44.43       | 96.43                 | -135.42                         | 1,201.04                        | 1,208.65             | 1,154.03              | 54.62                   | 22.129            |                    |          |
| 2,950.00                                                                  | 2,950.00            | 2,950.34            | 2,950.27            | 10.36           | 45.16       | 96.40                 | -134.80                         | 1,201.04                        | 1,208.58             | 1,153.05              | 55.53                   | 21.765            |                    |          |
| 3,000.00                                                                  | 3,000.00            | 3,000.37            | 3,000.29            | 10.54           | 45.90       | 96.37                 | -134.18                         | 1,201.04                        | 1,208.51             | 1,152.07              | 56.44                   | 21.413            |                    |          |
| 3,050.00                                                                  | 3,050.00            | 3,050.39            | 3,050.31            | 10.72           | 46.63       | 96.34                 | -133.54                         | 1,201.04                        | 1,208.44             | 1,151.09              | 57.35                   | 21.072            |                    |          |
| 3,100.00                                                                  | 3,100.00            | 3,100.42            | 3,100.33            | 10.90           | 47.36       | 96.31                 | -132.90                         | 1,201.04                        | 1,208.37             | 1,150.11              | 58.26                   | 20.741            |                    |          |
| 3,150.00                                                                  | 3,150.00            | 3,150.44            | 3,150.35            | 11.08           | 48.09       | 96.28                 | -132.24                         | 1,201.04                        | 1,208.30             | 1,149.12              | 59.17                   | 20.420            |                    |          |
| 3,200.00                                                                  | 3,200.00            | 3,200.46            | 3,200.37            | 11.26           | 48.83       | 96.25                 | -131.57                         | 1,201.04                        | 1,208.22             | 1,148.14              | 60.08                   | 20.109            |                    |          |
| 3,250.00                                                                  | 3,250.00            | 3,250.49            | 3,250.39            | 11.44           | 49.56       | 96.22                 | -130.90                         | 1,201.04                        | 1,208.15             | 1,147.15              | 61.00                   | 19.807            |                    |          |
| 3,300.00                                                                  | 3,300.00            | 3,300.51            | 3,300.40            | 11.62           | 50.29       | 96.19                 | -130.21                         | 1,201.04                        | 1,208.08             | 1,146.17              | 61.91                   | 19.514            |                    |          |
| 3,350.00                                                                  | 3,350.00            | 3,350.53            | 3,350.42            | 11.80           | 51.03       | 96.15                 | -129.51                         | 1,201.04                        | 1,208.00             | 1,145.18              | 62.82                   | 19.229            |                    |          |
| 3,400.00                                                                  | 3,400.00            | 3,400.55            | 3,400.44            | 11.98           | 51.76       | 96.12                 | -128.80                         | 1,201.04                        | 1,207.92             | 1,144.19              | 63.74                   | 18.952            |                    |          |
| 3,450.00                                                                  | 3,450.00            | 3,450.58            | 3,450.46            | 12.15           | 52.50       | 96.09                 | -128.08                         | 1,201.04                        | 1,207.85             | 1,143.20              | 64.65                   | 18.683            |                    |          |
| 3,500.00                                                                  | 3,500.00            | 3,500.60            | 3,500.47            | 12.33           | 53.23       | 96.05                 | -127.35                         | 1,201.04                        | 1,207.77             | 1,142.20              | 65.57                   | 18.421            |                    |          |
| 3,550.00                                                                  | 3,550.00            | 3,550.62            | 3,550.49            | 12.51           | 53.97       | 96.02                 | -126.61                         | 1,201.04                        | 1,207.69             | 1,141.21              | 66.48                   | 18.166            |                    |          |
| 3,600.00                                                                  | 3,600.00            | 3,600.64            | 3,600.50            | 12.69           | 54.71       | 95.98                 | -125.86                         | 1,201.04                        | 1,207.61             | 1,140.22              | 67.40                   | 17.918            |                    |          |
| 3,650.00                                                                  | 3,650.00            | 3,650.66            | 3,650.52            | 12.87           | 55.44       | 95.95                 | -125.10                         | 1,201.04                        | 1,207.54             | 1,139.22              | 68.31                   | 17.677            |                    |          |
| 3,700.00                                                                  | 3,700.00            | 3,700.68            | 3,700.53            | 13.05           | 56.18       | 95.91                 | -124.33                         | 1,201.04                        | 1,207.46             | 1,138.23              | 69.23                   | 17.442            |                    |          |
| 3,750.00                                                                  | 3,750.00            | 3,750.70            | 3,750.55            | 13.23           | 56.92       | 95.87                 | -123.54                         | 1,201.04                        | 1,207.38             | 1,137.23              | 70.15                   | 17.212            |                    |          |
| 3,800.00                                                                  | 3,800.00            | 3,800.72            | 3,800.56            | 13.41           | 57.66       | 95.84                 | -122.75                         | 1,201.04                        | 1,207.29             | 1,136.23              | 71.06                   | 16.989            |                    |          |
| 3,850.00                                                                  | 3,850.00            | 3,850.74            | 3,850.57            | 13.59           | 58.39       | 95.80                 | -121.95                         | 1,201.04                        | 1,207.21             | 1,135.23              | 71.98                   | 16.772            |                    |          |
| 3,900.00                                                                  | 3,900.00            | 3,900.76            | 3,900.58            | 13.77           | 59.13       | 95.76                 | -121.13                         | 1,201.04                        | 1,207.13             | 1,134.23              | 72.90                   | 16.559            |                    |          |
| 3,950.00                                                                  | 3,950.00            | 3,950.78            | 3,950.60            | 13.95           | 59.87       | 95.72                 | -120.31                         | 1,201.04                        | 1,207.05             | 1,133.23              | 73.81                   | 16.353            |                    |          |
| 4,000.00                                                                  | 4,000.00            | 4,000.80            | 4,000.61            | 14.12           | 60.61       | 95.68                 | -119.47                         | 1,201.04                        | 1,206.97             | 1,132.23              | 74.73                   | 16.151            |                    |          |
| 4,010.56                                                                  | 4,010.56            | 4,011.36            | 4,011.17            | 14.16           | 60.77       | 136.27                | -119.30                         | 1,201.04                        | 1,206.96             | 1,132.03              | 74.93                   | 16.109 CC         |                    |          |
| 4,050.00                                                                  | 4,050.00            | 4,050.82            | 4,050.62            | 14.30           | 61.35       | 136.25                | -118.63                         | 1,201.04                        | 1,207.08             | 1,131.43              | 75.65                   | 15.956            |                    |          |
| 4,100.00                                                                  | 4,099.99            | 4,100.84            | 4,100.64            | 14.48           | 62.09       | 136.23                | -117.77                         | 1,201.04                        | 1,207.59             | 1,131.02              | 76.57                   | 15.772            |                    |          |
| 4,150.00                                                                  | 4,149.97            | 4,150.85            | 4,150.64            | 14.66           | 62.83       | 136.23                | -116.90                         | 1,201.04                        | 1,208.49             | 1,131.00              | 77.48                   | 15.597 ES         |                    |          |
| 4,200.00                                                                  | 4,199.94            | 4,200.86            | 4,200.64            | 14.84           | 63.57       | 136.24                | -116.03                         | 1,201.04                        | 1,209.78             | 1,131.38              | 78.40                   | 15.431            |                    |          |
| 4,250.00                                                                  | 4,249.88            | 4,250.85            | 4,250.62            | 15.01           | 64.31       | 136.26                | -115.14                         | 1,201.04                        | 1,211.46             | 1,132.15              | 79.31                   | 15.274            |                    |          |
| 4,300.00                                                                  | 4,299.79            | 4,300.82            | 4,300.58            | 15.19           | 65.05       | 136.30                | -114.24                         | 1,201.04                        | 1,213.54             | 1,133.31              | 80.23                   | 15.126            |                    |          |
| 4,350.00                                                                  | 4,349.66            | 4,350.76            | 4,350.52            | 15.37           | 65.79       | 136.35                | -113.34                         | 1,201.04                        | 1,216.02             | 1,134.87              | 81.15                   | 14.986            |                    |          |
| 4,400.00                                                                  | 4,399.49            | 4,400.67            | 4,400.42            | 15.54           | 66.52       | 136.42                | -112.42                         | 1,201.04                        | 1,218.88             | 1,136.82              | 82.06                   | 14.853            |                    |          |
| 4,450.00                                                                  | 4,449.29            | 4,450.54            | 4,450.28            | 15.72           | 67.26       | 136.51                | -111.49                         | 1,201.04                        | 1,222.08             | 1,139.10              | 82.98                   | 14.728            |                    |          |
| 4,500.00                                                                  | 4,499.08            | 4,500.42            | 4,500.15            | 15.90           | 68.00       | 136.61                | -110.55                         | 1,201.04                        | 1,225.30             | 1,141.41              | 83.89                   | 14.606            |                    |          |
| 4,550.00                                                                  | 4,548.87            | 4,550.29            | 4,550.02            | 16.08           | 68.74       | 136.71                | -109.60                         | 1,201.04                        | 1,228.53             | 1,143.73              | 84.81                   | 14.486            |                    |          |
| 4,600.00                                                                  | 4,598.66            | 4,600.17            | 4,599.88            | 16.25           | 69.48       | 136.82                | -108.65                         | 1,201.04                        | 1,231.76             | 1,146.04              | 85.72                   | 14.369            |                    |          |
| 4,650.00                                                                  | 4,648.45            | 4,650.05            | 4,649.75            | 16.43           | 70.22       | 136.92                | -107.68                         | 1,201.04                        | 1,235.00             | 1,148.36              | 86.64                   | 14.255            |                    |          |
| 4,700.00                                                                  | 4,698.24            | 4,699.92            | 4,699.62            | 16.61           | 70.96       | 137.02                | -106.70                         | 1,201.04                        | 1,238.23             | 1,150.68              | 87.55                   | 14.143            |                    |          |
| 4,750.00                                                                  | 4,748.03            | 4,749.80            | 4,749.49            | 16.79           | 71.70       | 137.11                | -105.71                         | 1,201.04                        | 1,241.47             | 1,153.00              | 88.47                   | 14.033            |                    |          |
| 4,800.00                                                                  | 4,797.82            | 4,799.68            | 4,799.36            | 16.96           | 72.44       | 137.21                | -104.71                         | 1,201.04                        | 1,244.71             | 1,155.33              | 89.38                   | 13.925            |                    |          |
| 4,850.00                                                                  | 4,847.61            | 4,849.57            | 4,849.23            | 17.14           | 73.18       | 137.31                | -103.70                         | 1,201.04                        | 1,247.96             | 1,157.65              | 90.30                   | 13.820            |                    |          |
| 4,900.00                                                                  | 4,897.40            | 4,899.45            | 4,899.10            | 17.32           | 73.92       | 137.40                | -102.67                         | 1,201.04                        | 1,251.20             | 1,159.98              | 91.22                   | 13.717            |                    |          |
| 4,950.00                                                                  | 4,947.19            | 4,949.33            | 4,948.98            | 17.50           | 74.66       | 137.50                | -101.64                         | 1,201.04                        | 1,254.45             | 1,162.31              | 92.14                   | 13.615            |                    |          |
| 5,000.00                                                                  | 4,996.98            | 4,999.22            | 4,998.85            | 17.68           | 75.40       | 137.59                | -100.60                         | 1,201.04                        | 1,257.70             | 1,164.65              | 93.05                   | 13.516            |                    |          |
| 5,050.00                                                                  | 5,046.78            | 5,049.10            | 5,048.73            | 17.85           | 76.14       | 137.68                | -99.55                          | 1,201.04                        | 1,260.95             | 1,166.98              | 93.97                   | 13.419            |                    |          |
| 5,100.00                                                                  | 5,096.57            | 5,098.99            | 5,098.60            | 18.03           | 76.88       | 137.77                | -98.48                          | 1,201.04                        | 1,264.21             | 1,169.32              | 94.89                   | 13.323            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

|                     |                                 |                              |                                  |
|---------------------|---------------------------------|------------------------------|----------------------------------|
| Company:            | WCDSC Permian NM.               | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Project:            | Eddy County (NAD 83 NM Eastern) | TVD Reference:               | RKB @ 3411.40ft                  |
| Reference Site:     | Sec 15-T23S-R31E                | MD Reference:                | RKB @ 3411.40ft                  |
| Site Error:         | 0.00 ft                         | North Reference:             | Grid                             |
| Reference Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Well Error:         | 0.50 ft                         | Output errors are at         | 2.00 sigma                       |
| Reference Wellbore: | Wellbore #1                     | Database:                    | EDM r5000.141_Prod US            |
| Reference Design:   | Permit Plan 2                   | Offset TVD Reference:        | Offset Datum                     |

| Offset Design Sec 15-T23S-R31E - Todd 15 C Fed #003 (Active) - Wellbore #1 - No Surveys |                     |                     |                     |                |             |                      |                       |                                 |                                 |                      |                       |                         |                   | Offset Site Error: | 0.00 ft  |
|-----------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|----------------|-------------|----------------------|-----------------------|---------------------------------|---------------------------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|----------|
| Survey Program: 10-INC-ONLY                                                             |                     |                     |                     |                |             |                      |                       |                                 |                                 |                      |                       |                         |                   | Offset Well Error: | 10.00 ft |
| Measured Depth (ft)                                                                     | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Semi-Major Axis (ft) | Highside Toolface (°) | Offset Wellbore Centre N-S (ft) | Offset Wellbore Centre E-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning            |          |
| 5,150.00                                                                                | 5,146.36            | 5,148.88            | 5,148.48            | 18.21          | 77.62       | 137.87               |                       | -97.41                          | 1,201.04                        | 1,267.46             | 1,171.66              | 95.81                   | 13.230            |                    |          |
| 5,200.00                                                                                | 5,196.15            | 5,198.77            | 5,198.35            | 18.39          | 78.36       | 137.96               |                       | -96.32                          | 1,201.04                        | 1,270.72             | 1,174.00              | 96.72                   | 13.138            |                    |          |
| 5,250.00                                                                                | 5,245.94            | 5,248.66            | 5,248.23            | 18.57          | 79.10       | 138.04               |                       | -95.23                          | 1,201.04                        | 1,273.98             | 1,176.34              | 97.64                   | 13.047            |                    |          |
| 5,300.00                                                                                | 5,295.73            | 5,298.55            | 5,298.11            | 18.75          | 79.85       | 138.13               |                       | -94.12                          | 1,201.04                        | 1,277.24             | 1,178.68              | 98.56                   | 12.959            |                    |          |
| 5,350.00                                                                                | 5,345.52            | 5,348.44            | 5,347.99            | 18.93          | 80.59       | 138.22               |                       | -93.01                          | 1,201.04                        | 1,280.50             | 1,181.02              | 99.48                   | 12.872            |                    |          |
| 5,400.00                                                                                | 5,395.31            | 5,398.33            | 5,397.87            | 19.10          | 81.33       | 138.30               |                       | -91.88                          | 1,201.04                        | 1,283.77             | 1,183.37              | 100.40                  | 12.787            |                    |          |
| 5,450.00                                                                                | 5,445.10            | 5,448.23            | 5,447.75            | 19.28          | 82.07       | 138.39               |                       | -90.74                          | 1,201.04                        | 1,287.03             | 1,185.71              | 101.32                  | 12.703            |                    |          |
| 5,500.00                                                                                | 5,494.89            | 5,498.12            | 5,497.63            | 19.46          | 82.81       | 138.47               |                       | -89.59                          | 1,201.04                        | 1,290.30             | 1,188.06              | 102.24                  | 12.621            |                    |          |
| 5,550.00                                                                                | 5,544.68            | 5,548.02            | 5,547.51            | 19.64          | 83.55       | 138.56               |                       | -88.44                          | 1,201.04                        | 1,293.57             | 1,190.41              | 103.16                  | 12.540            |                    |          |
| 5,600.00                                                                                | 5,594.47            | 5,597.91            | 5,597.40            | 19.82          | 84.30       | 138.64               |                       | -87.27                          | 1,201.04                        | 1,296.84             | 1,192.76              | 104.08                  | 12.460            |                    |          |
| 5,650.00                                                                                | 5,644.26            | 5,647.81            | 5,647.28            | 20.00          | 85.04       | 138.72               |                       | -86.09                          | 1,201.04                        | 1,300.11             | 1,195.11              | 105.00                  | 12.382            |                    |          |
| 5,700.00                                                                                | 5,694.05            | 5,697.71            | 5,697.17            | 20.18          | 85.78       | 138.80               |                       | -84.90                          | 1,201.04                        | 1,303.38             | 1,197.46              | 105.92                  | 12.306            |                    |          |
| 5,750.00                                                                                | 5,743.85            | 5,747.61            | 5,747.05            | 20.36          | 86.52       | 138.88               |                       | -83.70                          | 1,201.04                        | 1,306.65             | 1,199.81              | 106.84                  | 12.230            |                    |          |
| 5,800.00                                                                                | 5,793.64            | 5,797.51            | 5,796.94            | 20.53          | 87.27       | 138.96               |                       | -82.49                          | 1,201.04                        | 1,309.92             | 1,202.17              | 107.76                  | 12.156            |                    |          |
| 5,850.00                                                                                | 5,843.43            | 5,847.41            | 5,846.82            | 20.71          | 88.01       | 139.04               |                       | -81.27                          | 1,201.04                        | 1,313.20             | 1,204.52              | 108.68                  | 12.084            |                    |          |
| 5,900.00                                                                                | 5,893.22            | 5,897.31            | 5,896.71            | 20.89          | 88.75       | 139.12               |                       | -80.04                          | 1,201.04                        | 1,316.47             | 1,206.88              | 109.60                  | 12.012            |                    |          |
| 5,950.00                                                                                | 5,943.01            | 5,947.22            | 5,946.60            | 21.07          | 89.49       | 139.19               |                       | -78.79                          | 1,201.04                        | 1,319.75             | 1,209.23              | 110.52                  | 11.942            |                    |          |
| 6,000.00                                                                                | 5,992.80            | 5,997.12            | 5,996.49            | 21.25          | 90.24       | 139.27               |                       | -77.54                          | 1,201.04                        | 1,323.03             | 1,211.59              | 111.44                  | 11.872            |                    |          |
| 6,050.00                                                                                | 6,042.59            | 6,047.03            | 6,046.38            | 21.43          | 90.98       | 139.34               |                       | -76.28                          | 1,201.04                        | 1,326.30             | 1,213.94              | 112.36                  | 11.804            |                    |          |
| 6,100.00                                                                                | 6,092.38            | 6,096.93            | 6,096.27            | 21.61          | 91.72       | 139.42               |                       | -75.00                          | 1,201.04                        | 1,329.58             | 1,216.30              | 113.28                  | 11.737            |                    |          |
| 6,150.00                                                                                | 6,142.17            | 6,146.84            | 6,146.16            | 21.79          | 92.47       | 139.49               |                       | -73.72                          | 1,201.04                        | 1,332.86             | 1,218.66              | 114.20                  | 11.671            |                    |          |
| 6,200.00                                                                                | 6,191.96            | 6,196.75            | 6,196.05            | 21.97          | 93.21       | 139.56               |                       | -72.42                          | 1,201.04                        | 1,336.14             | 1,221.02              | 115.12                  | 11.606            |                    |          |
| 6,250.00                                                                                | 6,241.75            | 6,246.66            | 6,245.94            | 22.15          | 93.95       | 139.64               |                       | -71.12                          | 1,201.04                        | 1,339.42             | 1,223.37              | 116.05                  | 11.542            |                    |          |
| 6,300.00                                                                                | 6,291.54            | 6,296.57            | 6,295.83            | 22.33          | 94.70       | 139.71               |                       | -69.80                          | 1,201.04                        | 1,342.70             | 1,225.73              | 116.97                  | 11.479            |                    |          |
| 6,350.00                                                                                | 6,341.33            | 6,346.48            | 6,345.72            | 22.51          | 95.44       | 139.78               |                       | -68.48                          | 1,201.04                        | 1,345.98             | 1,228.09              | 117.89                  | 11.417            |                    |          |
| 6,400.00                                                                                | 6,391.12            | 6,396.39            | 6,395.62            | 22.69          | 96.18       | 139.85               |                       | -67.14                          | 1,201.04                        | 1,349.26             | 1,230.45              | 118.81                  | 11.356            |                    |          |
| 6,450.00                                                                                | 6,440.91            | 6,446.30            | 6,445.51            | 22.87          | 96.93       | 139.91               |                       | -65.79                          | 1,201.04                        | 1,352.54             | 1,232.81              | 119.73                  | 11.296            |                    |          |
| 6,500.00                                                                                | 6,490.71            | 6,496.21            | 6,495.41            | 23.05          | 97.67       | 139.98               |                       | -64.44                          | 1,201.04                        | 1,355.82             | 1,235.17              | 120.65                  | 11.237            |                    |          |
| 6,550.00                                                                                | 6,540.50            | 6,546.13            | 6,545.30            | 23.23          | 98.41       | 140.05               |                       | -63.07                          | 1,201.04                        | 1,359.10             | 1,237.53              | 121.58                  | 11.179            |                    |          |
| 6,600.00                                                                                | 6,590.29            | 6,596.04            | 6,595.20            | 23.41          | 99.16       | 140.11               |                       | -61.69                          | 1,201.04                        | 1,362.39             | 1,239.89              | 122.50                  | 11.122            |                    |          |
| 6,650.00                                                                                | 6,640.08            | 6,645.96            | 6,645.10            | 23.59          | 99.90       | 140.18               |                       | -60.30                          | 1,201.04                        | 1,365.67             | 1,242.25              | 123.42                  | 11.065            |                    |          |
| 6,700.00                                                                                | 6,689.87            | 6,695.88            | 6,694.99            | 23.76          | 100.65      | 140.24               |                       | -58.90                          | 1,201.04                        | 1,368.95             | 1,244.60              | 124.34                  | 11.009            |                    |          |
| 6,750.00                                                                                | 6,739.66            | 6,745.79            | 6,744.89            | 23.94          | 101.39      | 140.31               |                       | -57.49                          | 1,201.04                        | 1,372.23             | 1,246.96              | 125.27                  | 10.954            |                    |          |
| 6,800.00                                                                                | 6,789.45            | 6,795.71            | 6,794.79            | 24.12          | 102.13      | 140.37               |                       | -56.07                          | 1,201.04                        | 1,375.51             | 1,249.32              | 126.19                  | 10.900            |                    |          |
| 6,850.00                                                                                | 6,839.24            | 6,845.63            | 6,844.69            | 24.30          | 102.88      | 140.43               |                       | -54.64                          | 1,201.04                        | 1,378.79             | 1,251.68              | 127.11                  | 10.847            |                    |          |
| 6,900.00                                                                                | 6,889.03            | 6,895.55            | 6,894.59            | 24.48          | 103.62      | 140.50               |                       | -53.19                          | 1,201.04                        | 1,382.07             | 1,254.04              | 128.04                  | 10.794            |                    |          |
| 6,950.00                                                                                | 6,938.82            | 6,945.47            | 6,944.49            | 24.66          | 104.37      | 140.56               |                       | -51.74                          | 1,201.04                        | 1,385.35             | 1,256.40              | 128.96                  | 10.743            |                    |          |
| 7,000.00                                                                                | 6,988.61            | 6,995.40            | 6,994.39            | 24.84          | 105.11      | 140.62               |                       | -50.28                          | 1,201.04                        | 1,388.63             | 1,258.75              | 129.88                  | 10.692            |                    |          |
| 7,050.00                                                                                | 7,038.40            | 7,045.32            | 7,044.29            | 25.02          | 105.86      | 140.68               |                       | -48.81                          | 1,201.04                        | 1,391.91             | 1,261.11              | 130.80                  | 10.641            |                    |          |
| 7,100.00                                                                                | 7,088.19            | 7,095.24            | 7,094.19            | 25.20          | 106.60      | 140.74               |                       | -47.32                          | 1,201.04                        | 1,395.19             | 1,263.47              | 131.73                  | 10.591            |                    |          |
| 7,150.00                                                                                | 7,137.98            | 7,145.17            | 7,144.09            | 25.38          | 107.35      | 140.79               |                       | -45.83                          | 1,201.04                        | 1,398.47             | 1,265.82              | 132.65                  | 10.542            |                    |          |
| 7,200.00                                                                                | 7,187.78            | 7,195.09            | 7,194.00            | 25.56          | 108.09      | 140.85               |                       | -44.32                          | 1,201.04                        | 1,401.75             | 1,268.18              | 133.57                  | 10.494            |                    |          |
| 7,250.00                                                                                | 7,237.57            | 7,245.02            | 7,243.90            | 25.74          | 108.83      | 140.91               |                       | -42.81                          | 1,201.04                        | 1,405.03             | 1,270.53              | 134.50                  | 10.446            |                    |          |
| 7,300.00                                                                                | 7,287.36            | 7,294.95            | 7,293.80            | 25.92          | 109.58      | 140.97               |                       | -41.28                          | 1,201.04                        | 1,408.31             | 1,272.89              | 135.42                  | 10.399            |                    |          |
| 7,350.00                                                                                | 7,337.15            | 7,344.87            | 7,343.71            | 26.10          | 110.32      | 141.02               |                       | -39.74                          | 1,201.04                        | 1,411.58             | 1,275.24              | 136.35                  | 10.353            |                    |          |
| 7,400.00                                                                                | 7,386.94            | 7,394.80            | 7,393.61            | 26.28          | 111.07      | 141.08               |                       | -38.20                          | 1,201.04                        | 1,414.86             | 1,277.59              | 137.27                  | 10.307            |                    |          |
| 7,450.00                                                                                | 7,436.73            | 7,444.73            | 7,443.52            | 26.46          | 111.81      | 141.13               |                       | -36.64                          | 1,201.04                        | 1,418.14             | 1,279.94              | 138.19                  | 10.262            |                    |          |
| 7,500.00                                                                                | 7,486.52            | 7,494.66            | 7,493.42            | 26.64          | 112.56      | 141.18               |                       | -35.07                          | 1,201.04                        | 1,421.41             | 1,282.29              | 139.12                  | 10.217            |                    |          |
| 7,550.00                                                                                | 7,536.31            | 7,544.59            | 7,543.33            | 26.82          | 113.30      | 141.24               |                       | -33.49                          | 1,201.04                        | 1,424.69             | 1,284.65              | 140.04                  | 10.173            |                    |          |
| 7,600.00                                                                                | 7,586.10            | 7,594.53            | 7,593.24            | 27.01          | 114.05      | 141.29               |                       | -31.90                          | 1,201.04                        | 1,427.96             | 1,286.99              | 140.97                  | 10.130            |                    |          |
| 7,650.00                                                                                | 7,635.89            | 7,644.46            | 7,643.14            | 27.19          | 114.79      | 141.34               |                       | -30.30                          | 1,201.04                        | 1,431.23             | 1,289.34              | 141.89                  | 10.087            |                    |          |
| 7,700.00                                                                                | 7,685.68            | 7,694.39            | 7,693.05            | 27.37          | 115.54      | 141.39               |                       | -28.69                          | 1,201.04                        | 1,434.51             | 1,291.69              | 142.81                  | 10.045            |                    |          |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

|                     |                                 |                              |                                  |
|---------------------|---------------------------------|------------------------------|----------------------------------|
| Company:            | WCDSC Permian NM                | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Project:            | Eddy County (NAD 83 NM Eastern) | TVD Reference:               | RKB @ 3411.40ft                  |
| Reference Site:     | Sec 15-T23S-R31E                | MD Reference:                | RKB @ 3411.40ft                  |
| Site Error:         | 0.00 ft                         | North Reference:             | Grid                             |
| Reference Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Well Error:         | 0.50 ft                         | Output errors are at         | 2.00 sigma                       |
| Reference Wellbore: | Wellbore #1                     | Database:                    | EDM r5000.141_Prod US            |
| Reference Design:   | Permit Plan 2                   | Offset TVD Reference:        | Offset Datum                     |

| Offset Design Sec 15-T23S-R31E - Todd 15 C Fed #003 (Active) - Wellbore #1 - No Surveys |                |                  |                |           |        |                  |                        |                 |                  |                    |                   | Offset Site Error: | 0.00 ft  |
|-----------------------------------------------------------------------------------------|----------------|------------------|----------------|-----------|--------|------------------|------------------------|-----------------|------------------|--------------------|-------------------|--------------------|----------|
| Survey Program: 10-INC-ONLY                                                             |                |                  |                |           |        |                  |                        |                 |                  |                    |                   | Offset Well Error: | 10.00 ft |
| Reference:                                                                              | Offset:        | Semi-Major Axis: |                | Distance: |        | Warning:         |                        |                 |                  |                    |                   |                    |          |
| Measured Depth                                                                          | Vertical Depth | Measured Depth   | Vertical Depth | Reference | Offset | Highside Tooface | Offset Wellbore Centre | Between Centres | Between Ellipses | Minimum Separation | Separation Factor |                    |          |
| (ft)                                                                                    | (ft)           | (ft)             | (ft)           | (ft)      | (ft)   | (ft)             | +N/-S                  | +E/-W           | (ft)             | (ft)               | (ft)              |                    |          |
| 7,750.00                                                                                | 7,735.47       | 7,744.33         | 7,742.96       | 27.55     | 116.28 | 141.44           | -27.07                 | 1,201.04        | 1,437.78         | 1,294.04           | 143.74            | 10.003             |          |
| 7,800.00                                                                                | 7,785.26       | 7,794.26         | 7,792.87       | 27.73     | 117.03 | 141.49           | -25.44                 | 1,201.04        | 1,441.05         | 1,296.38           | 144.66            | 9.961              |          |
| 7,850.00                                                                                | 7,835.05       | 7,844.20         | 7,842.78       | 27.91     | 117.77 | 141.54           | -23.80                 | 1,201.04        | 1,444.32         | 1,298.73           | 145.59            | 9.921              |          |
| 7,900.00                                                                                | 7,884.84       | 7,894.13         | 7,892.69       | 28.09     | 118.52 | 141.59           | -22.15                 | 1,201.04        | 1,447.59         | 1,301.07           | 146.51            | 9.880              |          |
| 7,950.00                                                                                | 7,934.64       | 7,944.07         | 7,942.60       | 28.27     | 119.27 | 141.64           | -20.49                 | 1,201.04        | 1,450.85         | 1,303.42           | 147.44            | 9.840              |          |
| 8,000.00                                                                                | 7,984.43       | 7,994.01         | 7,992.51       | 28.45     | 120.01 | 141.68           | -18.81                 | 1,201.04        | 1,454.12         | 1,305.76           | 148.36            | 9.801              |          |
| 8,050.00                                                                                | 8,034.22       | 8,043.95         | 8,042.42       | 28.63     | 120.76 | 141.73           | -17.13                 | 1,201.04        | 1,457.38         | 1,308.10           | 149.29            | 9.762              |          |
| 8,100.00                                                                                | 8,084.01       | 8,093.89         | 8,092.33       | 28.81     | 121.50 | 141.78           | -15.43                 | 1,201.04        | 1,460.65         | 1,310.44           | 150.21            | 9.724              |          |
| 8,150.00                                                                                | 8,133.80       | 8,143.83         | 8,142.24       | 28.99     | 122.25 | 141.82           | -13.73                 | 1,201.04        | 1,463.91         | 1,312.78           | 151.14            | 9.686              |          |
| 8,200.00                                                                                | 8,183.59       | 8,193.77         | 8,192.15       | 29.17     | 122.99 | 141.86           | -12.01                 | 1,201.04        | 1,467.17         | 1,315.11           | 152.06            | 9.649              |          |
| 8,250.00                                                                                | 8,233.38       | 8,243.71         | 8,242.06       | 29.35     | 123.74 | 141.91           | -10.29                 | 1,201.04        | 1,470.43         | 1,317.45           | 152.99            | 9.612              |          |
| 8,300.00                                                                                | 8,283.17       | 8,293.65         | 8,291.97       | 29.53     | 124.48 | 141.95           | -8.55                  | 1,201.04        | 1,473.69         | 1,319.78           | 153.91            | 9.575              |          |
| 8,350.00                                                                                | 8,332.96       | 8,343.60         | 8,341.89       | 29.71     | 125.23 | 142.00           | -6.80                  | 1,201.04        | 1,476.95         | 1,322.12           | 154.84            | 9.539              |          |
| 8,400.00                                                                                | 8,382.75       | 8,393.54         | 8,391.80       | 29.89     | 125.98 | 142.04           | -5.05                  | 1,201.04        | 1,480.21         | 1,324.45           | 155.76            | 9.503              |          |
| 8,450.00                                                                                | 8,432.54       | 8,443.49         | 8,441.71       | 30.07     | 126.72 | 142.08           | -3.28                  | 1,201.04        | 1,483.46         | 1,326.78           | 156.69            | 9.468              |          |
| 8,500.00                                                                                | 8,482.33       | 8,493.43         | 8,491.63       | 30.25     | 127.47 | 142.12           | -1.50                  | 1,201.04        | 1,486.72         | 1,329.11           | 157.61            | 9.433              |          |
| 8,550.00                                                                                | 8,532.12       | 8,543.38         | 8,541.54       | 30.43     | 128.21 | 142.16           | 0.29                   | 1,201.04        | 1,489.97         | 1,331.43           | 158.54            | 9.398              |          |
| 8,600.00                                                                                | 8,581.91       | 8,593.32         | 8,591.46       | 30.61     | 128.96 | 142.20           | 2.09                   | 1,201.04        | 1,493.22         | 1,333.76           | 159.46            | 9.364              |          |
| 8,650.00                                                                                | 8,631.71       | 8,643.27         | 8,641.37       | 30.79     | 129.70 | 142.24           | 3.90                   | 1,201.04        | 1,496.47         | 1,336.08           | 160.39            | 9.330              |          |
| 8,700.00                                                                                | 8,681.50       | 8,693.22         | 8,691.29       | 30.98     | 130.45 | 142.28           | 5.72                   | 1,201.04        | 1,499.72         | 1,338.41           | 161.31            | 9.297 SF           |          |

# Anticollision Report

|                     |                                 |                              |                                  |
|---------------------|---------------------------------|------------------------------|----------------------------------|
| Company:            | WCDSC Permian NM                | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Project:            | Eddy County (NAD 83 NM Eastern) | TVD Reference:               | RKB @ 3411.40ft                  |
| Reference Site:     | Sec 15-T23S-R31E                | MD Reference:                | RKB @ 3411.40ft                  |
| Site Error:         | 0.00 ft                         | North Reference:             | Grid                             |
| Reference Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Well Error:         | 0.50 ft                         | Output errors are at         | 2.00 sigma                       |
| Reference Wellbore: | Wellbore #1                     | Database:                    | EDM r5000.141_Prod US            |
| Reference Design:   | Permit Plan 2                   | Offset TVD Reference:        | Offset Datum                     |

| Offset Design Sec 15-T23S-R31E - Todd 15 D Fed #004 (P&A) - Wellbore #1 - Inc Only Surveys |                     |                     |                     |                |             |                       |                                 |                                 |                      |                       |                         |                   |         | Offset Site Error: | 0.00 ft  |
|--------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|---------------------------------|---------------------------------|----------------------|-----------------------|-------------------------|-------------------|---------|--------------------|----------|
| Survey Program: 262-INC-ONLY                                                               |                     |                     |                     |                |             |                       |                                 |                                 |                      |                       |                         |                   |         | Offset Well Error: | 10.00 ft |
| Reference                                                                                  | Offset              | Semi Major Axis     | Distance            |                |             |                       |                                 |                                 |                      |                       |                         |                   |         |                    |          |
| Measured Depth (ft)                                                                        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre N-S (ft) | Offset Wellbore Centre E-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning |                    |          |
| 0.00                                                                                       | 0.00                | 0.00                | 0.00                | 0.50           | 10.00       | 140.73                | -258.84                         | 211.64                          | 334.45               |                       |                         |                   |         |                    |          |
| 50.00                                                                                      | 50.00               | 42.14               | 42.14               | 0.50           | 10.01       | 140.72                | -258.80                         | 211.64                          | 334.31               | 323.80                | 10.51                   | 31.809            |         |                    |          |
| 100.00                                                                                     | 100.00              | 92.80               | 92.80               | 0.52           | 10.04       | 140.71                | -258.63                         | 211.64                          | 334.18               | 323.63                | 10.56                   | 31.658            |         |                    |          |
| 150.00                                                                                     | 150.00              | 143.45              | 143.45              | 0.59           | 10.09       | 140.67                | -258.33                         | 211.64                          | 333.95               | 323.27                | 10.68                   | 31.265            |         |                    |          |
| 200.00                                                                                     | 200.00              | 194.10              | 194.10              | 0.70           | 10.17       | 140.63                | -257.90                         | 211.64                          | 333.63               | 322.76                | 10.87                   | 30.698            |         |                    |          |
| 250.00                                                                                     | 250.00              | 244.75              | 244.75              | 0.84           | 10.26       | 140.57                | -257.34                         | 211.64                          | 333.20               | 322.11                | 11.10                   | 30.019            |         |                    |          |
| 300.00                                                                                     | 300.00              | 295.13              | 295.11              | 0.99           | 10.48       | 140.49                | -256.68                         | 211.64                          | 332.70               | 321.23                | 11.47                   | 29.008            |         |                    |          |
| 350.00                                                                                     | 350.00              | 345.35              | 345.34              | 1.15           | 10.83       | 140.42                | -255.97                         | 211.64                          | 332.15               | 320.17                | 11.98                   | 27.727            |         |                    |          |
| 400.00                                                                                     | 400.00              | 395.58              | 395.56              | 1.31           | 11.27       | 140.33                | -255.22                         | 211.64                          | 331.57               | 318.99                | 12.58                   | 26.363            |         |                    |          |
| 450.00                                                                                     | 450.00              | 445.81              | 445.78              | 1.48           | 11.78       | 140.24                | -254.41                         | 211.64                          | 330.96               | 317.70                | 13.25                   | 24.973            |         |                    |          |
| 500.00                                                                                     | 500.00              | 496.03              | 496.00              | 1.65           | 12.35       | 140.15                | -253.56                         | 211.64                          | 330.31               | 316.31                | 14.00                   | 23.602            |         |                    |          |
| 550.00                                                                                     | 550.00              | 546.79              | 546.75              | 1.82           | 13.08       | 140.04                | -252.61                         | 211.64                          | 329.59               | 314.69                | 14.90                   | 22.124            |         |                    |          |
| 600.00                                                                                     | 600.00              | 597.61              | 597.56              | 1.99           | 13.89       | 139.92                | -251.49                         | 211.64                          | 328.75               | 312.87                | 15.88                   | 20.703            |         |                    |          |
| 650.00                                                                                     | 650.00              | 648.43              | 648.35              | 2.17           | 14.75       | 139.77                | -250.21                         | 211.64                          | 327.78               | 310.86                | 16.92                   | 19.376            |         |                    |          |
| 700.00                                                                                     | 700.00              | 699.23              | 699.14              | 2.34           | 15.66       | 139.61                | -248.75                         | 211.64                          | 326.69               | 308.69                | 18.00                   | 18.149            |         |                    |          |
| 750.00                                                                                     | 750.00              | 749.71              | 749.59              | 2.52           | 16.75       | 139.43                | -247.17                         | 211.64                          | 325.49               | 306.23                | 19.26                   | 16.896            |         |                    |          |
| 800.00                                                                                     | 800.00              | 800.15              | 800.01              | 2.69           | 17.90       | 139.24                | -245.49                         | 211.64                          | 324.23               | 303.65                | 20.58                   | 15.754            |         |                    |          |
| 850.00                                                                                     | 850.00              | 849.73              | 849.56              | 2.87           | 18.98       | 139.04                | -243.80                         | 211.64                          | 322.94               | 301.10                | 21.84                   | 14.785            |         |                    |          |
| 900.00                                                                                     | 900.00              | 898.85              | 898.65              | 3.04           | 20.04       | 138.86                | -242.29                         | 211.64                          | 321.78               | 298.70                | 23.08                   | 13.942            |         |                    |          |
| 950.00                                                                                     | 950.00              | 947.98              | 947.76              | 3.22           | 21.12       | 138.71                | -240.95                         | 211.64                          | 320.75               | 296.42                | 24.34                   | 13.180            |         |                    |          |
| 1,000.00                                                                                   | 1,000.00            | 997.12              | 996.89              | 3.40           | 22.21       | 138.57                | -239.78                         | 211.64                          | 319.86               | 294.25                | 25.61                   | 12.489            |         |                    |          |
| 1,050.00                                                                                   | 1,050.00            | 1,075.99            | 1,045.77            | 3.58           | 23.95       | 138.45                | -238.78                         | 211.64                          | 319.09               | 291.57                | 27.52                   | 11.594            |         |                    |          |
| 1,100.00                                                                                   | 1,100.00            | 1,096.00            | 1,095.75            | 3.75           | 24.33       | 138.34                | -237.90                         | 211.64                          | 318.44               | 290.36                | 28.08                   | 11.338            |         |                    |          |
| 1,150.00                                                                                   | 1,150.00            | 1,145.99            | 1,145.74            | 3.93           | 25.30       | 138.24                | -237.03                         | 211.64                          | 317.79               | 288.56                | 29.23                   | 10.871            |         |                    |          |
| 1,200.00                                                                                   | 1,200.00            | 1,195.99            | 1,195.72            | 4.11           | 26.28       | 138.13                | -236.16                         | 211.64                          | 317.14               | 286.75                | 30.39                   | 10.437            |         |                    |          |
| 1,250.00                                                                                   | 1,250.00            | 1,245.98            | 1,245.71            | 4.29           | 27.26       | 138.03                | -235.29                         | 211.64                          | 316.49               | 284.94                | 31.55                   | 10.032            |         |                    |          |
| 1,300.00                                                                                   | 1,300.00            | 1,295.97            | 1,295.69            | 4.47           | 28.25       | 137.92                | -234.41                         | 211.64                          | 315.84               | 283.13                | 32.71                   | 9.655             |         |                    |          |
| 1,350.00                                                                                   | 1,350.00            | 1,345.96            | 1,345.68            | 4.64           | 29.24       | 137.82                | -233.54                         | 211.64                          | 315.19               | 281.31                | 33.89                   | 9.302             |         |                    |          |
| 1,400.00                                                                                   | 1,400.00            | 1,395.96            | 1,395.66            | 4.82           | 30.24       | 137.71                | -232.67                         | 211.64                          | 314.55               | 279.49                | 35.06                   | 8.971             |         |                    |          |
| 1,450.00                                                                                   | 1,450.00            | 1,445.95            | 1,445.65            | 5.00           | 31.24       | 137.60                | -231.80                         | 211.64                          | 313.90               | 277.66                | 36.24                   | 8.661             |         |                    |          |
| 1,500.00                                                                                   | 1,500.00            | 1,495.94            | 1,495.63            | 5.18           | 32.25       | 137.50                | -230.92                         | 211.64                          | 313.26               | 275.83                | 37.43                   | 8.370             |         |                    |          |
| 1,550.00                                                                                   | 1,550.00            | 1,546.00            | 1,545.68            | 5.36           | 33.29       | 137.39                | -230.05                         | 211.64                          | 312.61               | 273.97                | 38.64                   | 8.090             |         |                    |          |
| 1,600.00                                                                                   | 1,600.00            | 1,596.20            | 1,595.88            | 5.54           | 34.40       | 137.27                | -229.13                         | 211.64                          | 311.95               | 272.02                | 39.93                   | 7.812             |         |                    |          |
| 1,650.00                                                                                   | 1,650.00            | 1,646.41            | 1,646.07            | 5.71           | 35.51       | 137.15                | -228.17                         | 211.64                          | 311.24               | 270.02                | 41.22                   | 7.550             |         |                    |          |
| 1,700.00                                                                                   | 1,700.00            | 1,696.61            | 1,696.27            | 5.89           | 36.63       | 137.03                | -227.17                         | 211.64                          | 310.51               | 267.99                | 42.52                   | 7.303             |         |                    |          |
| 1,750.00                                                                                   | 1,750.00            | 1,746.81            | 1,746.46            | 6.07           | 37.75       | 136.89                | -226.11                         | 211.64                          | 309.74               | 265.93                | 43.81                   | 7.069             |         |                    |          |
| 1,800.00                                                                                   | 1,800.00            | 1,797.01            | 1,796.64            | 6.25           | 38.87       | 136.75                | -225.01                         | 211.64                          | 308.94               | 263.83                | 45.11                   | 6.848             |         |                    |          |
| 1,850.00                                                                                   | 1,850.00            | 1,847.21            | 1,846.83            | 6.43           | 39.99       | 136.61                | -223.86                         | 211.64                          | 308.11               | 261.69                | 46.42                   | 6.638             |         |                    |          |
| 1,900.00                                                                                   | 1,900.00            | 1,897.40            | 1,897.01            | 6.61           | 41.12       | 136.46                | -222.67                         | 211.64                          | 307.25               | 259.53                | 47.72                   | 6.438             |         |                    |          |
| 1,950.00                                                                                   | 1,950.00            | 1,947.59            | 1,947.18            | 6.79           | 42.25       | 136.30                | -221.43                         | 211.64                          | 306.35               | 257.32                | 49.03                   | 6.249             |         |                    |          |
| 2,000.00                                                                                   | 2,000.00            | 1,997.78            | 1,997.36            | 6.96           | 43.38       | 136.13                | -220.14                         | 211.64                          | 305.42               | 255.09                | 50.33                   | 6.068             |         |                    |          |
| 2,050.00                                                                                   | 2,050.00            | 2,047.97            | 2,047.53            | 7.14           | 44.51       | 135.95                | -218.80                         | 211.64                          | 304.47               | 252.82                | 51.64                   | 5.896             |         |                    |          |
| 2,100.00                                                                                   | 2,100.00            | 2,097.76            | 2,097.30            | 7.32           | 45.82       | 135.79                | -217.52                         | 211.64                          | 303.54               | 250.41                | 53.14                   | 5.713             |         |                    |          |
| 2,150.00                                                                                   | 2,150.00            | 2,147.74            | 2,147.26            | 7.50           | 47.05       | 135.61                | -216.21                         | 211.64                          | 302.60               | 248.06                | 54.54                   | 5.548             |         |                    |          |
| 2,200.00                                                                                   | 2,200.00            | 2,197.72            | 2,197.23            | 7.68           | 48.28       | 135.44                | -214.90                         | 211.64                          | 301.67               | 245.72                | 55.95                   | 5.392             |         |                    |          |
| 2,250.00                                                                                   | 2,250.00            | 2,247.71            | 2,247.19            | 7.86           | 49.51       | 135.26                | -213.60                         | 211.64                          | 300.74               | 243.38                | 57.36                   | 5.243             |         |                    |          |
| 2,300.00                                                                                   | 2,300.00            | 2,297.69            | 2,297.16            | 8.04           | 50.74       | 135.09                | -212.29                         | 211.64                          | 299.81               | 241.04                | 58.77                   | 5.102             |         |                    |          |
| 2,350.00                                                                                   | 2,350.00            | 2,347.67            | 2,347.12            | 8.22           | 51.97       | 134.91                | -210.98                         | 211.64                          | 298.88               | 238.71                | 60.18                   | 4.967 Alert       |         |                    |          |
| 2,400.00                                                                                   | 2,400.00            | 2,397.65            | 2,397.09            | 8.40           | 53.20       | 134.73                | -209.67                         | 211.64                          | 297.96               | 236.37                | 61.59                   | 4.838 Alert       |         |                    |          |
| 2,450.00                                                                                   | 2,450.00            | 2,447.64            | 2,447.06            | 8.57           | 54.44       | 134.55                | -208.36                         | 211.64                          | 297.04               | 234.04                | 63.00                   | 4.715 Alert       |         |                    |          |
| 2,500.00                                                                                   | 2,500.00            | 2,498.12            | 2,497.52            | 8.75           | 55.96       | 134.37                | -207.01                         | 211.64                          | 296.10               | 231.40                | 64.70                   | 4.576 Alert       |         |                    |          |
| 2,550.00                                                                                   | 2,550.00            | 2,549.07            | 2,548.44            | 8.93           | 57.76       | 134.15                | -205.43                         | 211.64                          | 295.02               | 228.35                | 66.67                   | 4.425 Alert       |         |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

|                     |                                 |                              |                                  |
|---------------------|---------------------------------|------------------------------|----------------------------------|
| Company:            | WCDSC Permian NM                | Local/Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Project:            | Eddy County (NAD 83 NM Eastern) | TVD Reference:               | RKB @ 3411.40ft                  |
| Reference Site:     | Sec 15-T23S-R31E                | MD Reference:                | RKB @ 3411.40ft                  |
| Site Error:         | 0.00 ft                         | North Reference:             | Grid                             |
| Reference Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Well Error:         | 0.50 ft                         | Output errors are at         | 2.00 sigma                       |
| Reference Wellbore: | Wellbore #1                     | Database:                    | EDM r5000.141_Prod US            |
| Reference Design:   | Permit Plan 2                   | Offset TVD Reference:        | Offset Datum                     |

| Offset Design Sec 15-T23S-R31E - Todd 15 D Fed #004 (P&A) - Wellbore #1 - Inc Only Surveys |                     |                     |                     |                |             |                       |                                 |          |                      |                       |                         |                   |                | Offset Site Error: | 0.00 ft  |
|--------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|---------------------------------|----------|----------------------|-----------------------|-------------------------|-------------------|----------------|--------------------|----------|
| Survey Program: 262-INC-ONLY                                                               |                     |                     |                     |                |             |                       |                                 |          |                      |                       |                         |                   |                | Offset Well Error: | 10.00 ft |
| Measured Depth (ft)                                                                        | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre N-S (ft) | E-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning        |                    |          |
| 2,600.00                                                                                   | 2,600.00            | 2,600.00            | 2,599.34            | 9.11           | 59.55       | 133.89                | -203.62                         | 211.64   | 293.78               | 225.14                | 68.64                   | 4.280             | Alert          |                    |          |
| 2,650.00                                                                                   | 2,650.00            | 2,650.91            | 2,650.22            | 9.29           | 61.35       | 133.60                | -201.56                         | 211.64   | 292.39               | 221.78                | 70.61                   | 4.141             | Alert          |                    |          |
| 2,700.00                                                                                   | 2,700.00            | 2,701.81            | 2,701.06            | 9.47           | 63.15       | 133.28                | -199.27                         | 211.64   | 290.84               | 218.26                | 72.58                   | 4.007             | Alert          |                    |          |
| 2,750.00                                                                                   | 2,750.00            | 2,752.68            | 2,751.86            | 9.65           | 64.95       | 132.91                | -196.74                         | 211.64   | 289.14               | 214.59                | 74.55                   | 3.879             | Alert          |                    |          |
| 2,800.00                                                                                   | 2,800.00            | 2,803.52            | 2,802.63            | 9.83           | 66.74       | 132.51                | -193.97                         | 211.64   | 287.29               | 210.77                | 76.52                   | 3.755             | Alert          |                    |          |
| 2,850.00                                                                                   | 2,850.00            | 2,854.34            | 2,853.36            | 10.01          | 68.54       | 132.06                | -190.96                         | 211.64   | 285.30               | 206.81                | 78.48                   | 3.635             | Alert          |                    |          |
| 2,900.00                                                                                   | 2,900.00            | 2,905.13            | 2,904.05            | 10.19          | 70.34       | 131.57                | -187.72                         | 211.64   | 283.17               | 202.72                | 80.45                   | 3.520             | Alert          |                    |          |
| 2,950.00                                                                                   | 2,950.00            | 2,955.89            | 2,954.69            | 10.36          | 72.14       | 131.04                | -184.25                         | 211.64   | 280.90               | 198.49                | 82.42                   | 3.408             | Alert          |                    |          |
| 3,000.00                                                                                   | 3,000.00            | 3,005.11            | 3,003.80            | 10.54          | 74.53       | 130.52                | -180.89                         | 211.64   | 278.68               | 193.68                | 85.00                   | 3.279             | Alert          |                    |          |
| 3,050.00                                                                                   | 3,050.00            | 3,054.64            | 3,053.21            | 10.72          | 76.81       | 130.00                | -177.61                         | 211.64   | 276.53               | 189.07                | 87.46                   | 3.162             | Alert          |                    |          |
| 3,100.00                                                                                   | 3,100.00            | 3,103.09            | 3,101.57            | 10.90          | 78.83       | 129.53                | -174.66                         | 211.64   | 274.58               | 184.91                | 89.67                   | 3.062             | Alert          |                    |          |
| 3,150.00                                                                                   | 3,150.00            | 3,151.93            | 3,150.35            | 11.08          | 80.73       | 129.11                | -172.05                         | 211.64   | 272.89               | 181.13                | 91.76                   | 2.974             | Alert          |                    |          |
| 3,200.00                                                                                   | 3,200.00            | 3,201.22            | 3,199.57            | 11.26          | 82.41       | 128.72                | -169.65                         | 211.64   | 271.35               | 177.72                | 93.63                   | 2.898             | Alert          |                    |          |
| 3,250.00                                                                                   | 3,250.00            | 3,250.52            | 3,248.82            | 11.44          | 84.10       | 128.35                | -167.43                         | 211.64   | 269.95               | 174.45                | 95.50                   | 2.827             | Alert          |                    |          |
| 3,300.00                                                                                   | 3,300.00            | 3,299.83            | 3,298.10            | 11.62          | 85.79       | 128.01                | -165.39                         | 211.64   | 268.68               | 171.30                | 97.38                   | 2.759             | Alert          |                    |          |
| 3,350.00                                                                                   | 3,350.00            | 3,349.17            | 3,347.40            | 11.80          | 87.48       | 127.70                | -163.55                         | 211.64   | 267.53               | 168.28                | 99.25                   | 2.696             | Alert          |                    |          |
| 3,400.00                                                                                   | 3,400.00            | 3,399.47            | 3,397.67            | 11.98          | 89.15       | 127.39                | -161.74                         | 211.64   | 266.43               | 165.33                | 101.10                  | 2.635             | Alert          |                    |          |
| 3,450.00                                                                                   | 3,450.00            | 3,449.91            | 3,448.07            | 12.15          | 90.83       | 127.05                | -159.77                         | 211.64   | 265.25               | 162.30                | 102.95                  | 2.577             | Alert          |                    |          |
| 3,500.00                                                                                   | 3,500.00            | 3,500.34            | 3,498.46            | 12.33          | 92.50       | 126.68                | -157.66                         | 211.64   | 263.99               | 159.19                | 104.80                  | 2.519             | Alert          |                    |          |
| 3,550.00                                                                                   | 3,550.00            | 3,550.76            | 3,548.82            | 12.51          | 94.17       | 126.29                | -155.39                         | 211.64   | 262.66               | 156.01                | 106.65                  | 2.463             | Minor Risk     |                    |          |
| 3,600.00                                                                                   | 3,600.00            | 3,600.60            | 3,598.61            | 12.69          | 95.80       | 125.87                | -153.05                         | 211.64   | 261.27               | 152.81                | 108.46                  | 2.409             | Minor Risk     |                    |          |
| 3,650.00                                                                                   | 3,650.00            | 3,649.86            | 3,647.82            | 12.87          | 97.38       | 125.49                | -150.90                         | 211.64   | 260.00               | 149.78                | 110.22                  | 2.359             | Minor Risk     |                    |          |
| 3,700.00                                                                                   | 3,700.00            | 3,699.13            | 3,697.06            | 13.05          | 98.96       | 125.15                | -148.99                         | 211.64   | 258.88               | 146.89                | 111.99                  | 2.312             | Minor Risk     |                    |          |
| 3,750.00                                                                                   | 3,750.00            | 3,748.42            | 3,746.31            | 13.23          | 100.55      | 124.84                | -147.30                         | 211.64   | 257.89               | 144.14                | 113.76                  | 2.267             | Minor Risk     |                    |          |
| 3,800.00                                                                                   | 3,800.00            | 3,798.49            | 3,796.36            | 13.41          | 102.16      | 124.55                | -145.72                         | 211.64   | 257.00               | 141.45                | 115.54                  | 2.224             | Minor Risk     |                    |          |
| 3,850.00                                                                                   | 3,850.00            | 3,848.91            | 3,846.75            | 13.59          | 103.78      | 124.23                | -144.00                         | 211.64   | 256.03               | 138.69                | 117.34                  | 2.182             | Minor Risk     |                    |          |
| 3,900.00                                                                                   | 3,900.00            | 3,899.32            | 3,897.13            | 13.77          | 105.40      | 123.88                | -142.12                         | 211.64   | 254.98               | 135.85                | 119.13                  | 2.140             | Minor Risk     |                    |          |
| 3,950.00                                                                                   | 3,950.00            | 3,949.71            | 3,947.48            | 13.95          | 107.02      | 123.50                | -140.08                         | 211.64   | 253.86               | 132.93                | 120.93                  | 2.099             | Minor Risk     |                    |          |
| 4,000.00                                                                                   | 4,000.00            | 4,000.10            | 3,997.82            | 14.12          | 108.64      | 123.09                | -137.89                         | 211.64   | 252.67               | 129.94                | 122.72                  | 2.059             | Minor Risk     |                    |          |
| 4,050.00                                                                                   | 4,050.00            | 4,050.48            | 4,048.14            | 14.30          | 110.26      | 163.26                | -135.54                         | 211.64   | 251.67               | 127.15                | 124.52                  | 2.021             | Minor Risk     |                    |          |
| 4,100.00                                                                                   | 4,099.99            | 4,099.99            | 4,097.51            | 14.48          | 111.91      | 162.88                | -133.27                         | 211.64   | 251.21               | 124.86                | 126.35                  | 1.988             | Minor Risk     |                    |          |
| 4,110.80                                                                                   | 4,110.79            | 4,110.59            | 4,108.19            | 14.52          | 112.27      | 162.81                | -132.81                         | 211.64   | 251.20               | 124.45                | 126.75                  | 1.982             | Minor Risk, CC |                    |          |
| 4,150.00                                                                                   | 4,149.97            | 4,149.38            | 4,146.95            | 14.66          | 113.56      | 162.57                | -131.18                         | 211.64   | 251.39               | 123.20                | 128.19                  | 1.961             | Minor Risk     |                    |          |
| 4,200.00                                                                                   | 4,199.94            | 4,198.87            | 4,196.41            | 14.84          | 115.21      | 162.32                | -129.27                         | 211.64   | 252.19               | 122.17                | 130.02                  | 1.940             | Minor Risk     |                    |          |
| 4,250.00                                                                                   | 4,249.88            | 4,248.64            | 4,246.14            | 15.01          | 116.81      | 162.15                | -127.51                         | 211.64   | 253.60               | 121.80                | 131.80                  | 1.924             | Minor Risk, ES |                    |          |
| 4,300.00                                                                                   | 4,299.79            | 4,298.66            | 4,296.13            | 15.19          | 118.37      | 162.01                | -125.74                         | 211.64   | 255.53               | 122.00                | 133.53                  | 1.914             | Minor Risk     |                    |          |
| 4,350.00                                                                                   | 4,349.66            | 4,348.65            | 4,346.09            | 15.37          | 119.92      | 161.90                | -123.96                         | 211.64   | 257.97               | 122.71                | 135.26                  | 1.907             | Minor Risk     |                    |          |
| 4,400.00                                                                                   | 4,399.49            | 4,398.62            | 4,396.03            | 15.54          | 121.47      | 161.83                | -122.15                         | 211.64   | 260.92               | 123.93                | 136.98                  | 1.905             | Minor Risk, SF |                    |          |
| 4,450.00                                                                                   | 4,449.29            | 4,448.57            | 4,445.94            | 15.72          | 123.02      | 161.79                | -120.32                         | 211.64   | 264.27               | 125.56                | 138.71                  | 1.905             | Minor Risk     |                    |          |
| 4,500.00                                                                                   | 4,499.08            | 4,498.52            | 4,495.85            | 15.90          | 124.57      | 161.76                | -118.46                         | 211.64   | 267.66               | 127.22                | 140.44                  | 1.906             | Minor Risk     |                    |          |
| 4,550.00                                                                                   | 4,548.87            | 4,548.46            | 4,545.76            | 16.08          | 126.12      | 161.72                | -116.59                         | 211.64   | 271.03               | 128.87                | 142.16                  | 1.908             | Minor Risk     |                    |          |
| 4,600.00                                                                                   | 4,598.66            | 4,598.41            | 4,595.68            | 16.25          | 127.67      | 161.68                | -114.69                         | 211.64   | 274.39               | 130.50                | 143.89                  | 1.907             | Minor Risk     |                    |          |
| 4,650.00                                                                                   | 4,648.45            | 4,648.36            | 4,645.59            | 16.43          | 129.22      | 161.64                | -112.77                         | 211.64   | 277.74               | 132.12                | 145.62                  | 1.907             | Minor Risk     |                    |          |
| 4,700.00                                                                                   | 4,698.24            | 4,698.31            | 4,695.50            | 16.61          | 130.77      | 161.59                | -110.83                         | 211.64   | 281.08               | 133.74                | 147.34                  | 1.908             | Minor Risk     |                    |          |
| 4,750.00                                                                                   | 4,748.03            | 4,748.26            | 4,745.42            | 16.79          | 132.32      | 161.55                | -108.87                         | 211.64   | 284.41               | 135.34                | 149.07                  | 1.908             | Minor Risk     |                    |          |
| 4,800.00                                                                                   | 4,797.82            | 4,797.68            | 4,794.79            | 16.96          | 133.77      | 161.52                | -107.05                         | 211.64   | 287.80               | 137.10                | 150.69                  | 1.910             | Minor Risk     |                    |          |
| 4,850.00                                                                                   | 4,847.61            | 4,847.27            | 4,844.35            | 17.14          | 135.25      | 161.51                | -105.30                         | 211.64   | 291.23               | 138.87                | 152.35                  | 1.912             | Minor Risk     |                    |          |
| 4,900.00                                                                                   | 4,897.40            | 4,896.85            | 4,893.91            | 17.32          | 136.73      | 161.51                | -103.65                         | 211.64   | 294.71               | 140.69                | 154.01                  | 1.913             | Minor Risk     |                    |          |
| 4,950.00                                                                                   | 4,947.19            | 4,946.45            | 4,943.49            | 17.50          | 138.21      | 161.53                | -102.09                         | 211.64   | 298.24               | 142.57                | 155.67                  | 1.916             | Minor Risk     |                    |          |
| 5,000.00                                                                                   | 4,996.98            | 4,996.40            | 4,993.41            | 17.68          | 139.64      | 161.55                | -100.55                         | 211.64   | 301.78               | 144.50                | 157.28                  | 1.919             | Minor Risk     |                    |          |
| 5,050.00                                                                                   | 5,046.78            | 5,046.35            | 5,043.33            | 17.85          | 141.07      | 161.57                | -98.99                          | 211.64   | 305.32               | 146.43                | 158.89                  | 1.922             | Minor Risk     |                    |          |
| 5,100.00                                                                                   | 5,096.57            | 5,096.29            | 5,093.26            | 18.03          | 142.50      | 161.59                | -97.40                          | 211.64   | 308.84               | 148.34                | 160.50                  | 1.924             | Minor Risk     |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

|                     |                                 |                              |                                  |
|---------------------|---------------------------------|------------------------------|----------------------------------|
| Company:            | WCDSC Permian NM                | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Project:            | Eddy County (NAD 83 NM Eastern) | TVD Reference:               | RKB @ 3411.40ft                  |
| Reference Site:     | Sec 15-T23S-R31E                | MD Reference:                | RKB @ 3411.40ft                  |
| Site Error:         | 0.00 ft                         | North Reference:             | Grid                             |
| Reference Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Well Error:         | 0.50 ft                         | Output errors are at:        | 2.00 sigma                       |
| Reference Wellbore: | Wellbore #1                     | Database:                    | EDM r5000.141_Prod US            |
| Reference Design:   | Permit Plan 2                   | Offset TVD Reference:        | Offset Datum                     |

| Offset Design: Sec 15-T23S-R31E - Todd 15 D Fed #004 (P&A) - Wellbore #1 - Inc Only Surveys |                     |                     |                     |                 |             |                       |                                 |                                 |                      |                       |                         |                   | Offset Site Error: | 0.00 ft  |
|---------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|---------------------------------|---------------------------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|----------|
| Survey Program: 262-INC-ONLY                                                                |                     |                     |                     |                 |             |                       |                                 |                                 |                      |                       |                         |                   | Offset Well Error: | 10.00 ft |
| Reference                                                                                   |                     | Offset              |                     | Semi Major Axis |             | Distance              |                                 | Minimum                         |                      | Separation            |                         | Warning           |                    |          |
| Measured Depth (ft)                                                                         | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre N-S (ft) | Offset Wellbore Centre E-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |                    |          |
| 5,150.00                                                                                    | 5,146.36            | 5,146.24            | 5,143.18            | 18.21           | 143.94      | 161.60                | -95.80                          | 211.64                          | 312.35               | 150.25                | 162.10                  | 1.927             | Minor Risk         |          |
| 5,200.00                                                                                    | 5,196.15            | 5,196.20            | 5,193.11            | 18.39           | 145.37      | 161.61                | -94.17                          | 211.64                          | 315.85               | 152.13                | 163.71                  | 1.929             | Minor Risk         |          |
| 5,250.00                                                                                    | 5,245.94            | 5,246.15            | 5,243.03            | 18.57           | 146.80      | 161.61                | -92.51                          | 211.64                          | 319.33               | 154.01                | 165.32                  | 1.932             | Minor Risk         |          |
| 5,300.00                                                                                    | 5,295.73            | 5,296.11            | 5,292.96            | 18.75           | 148.23      | 161.61                | -90.83                          | 211.64                          | 322.81               | 155.88                | 166.93                  | 1.934             | Minor Risk         |          |
| 5,350.00                                                                                    | 5,345.52            | 5,346.06            | 5,342.89            | 18.93           | 149.67      | 161.61                | -89.13                          | 211.64                          | 326.27               | 157.73                | 168.54                  | 1.936             | Minor Risk         |          |
| 5,400.00                                                                                    | 5,395.31            | 5,396.02            | 5,392.82            | 19.10           | 151.10      | 161.61                | -87.41                          | 211.64                          | 329.72               | 159.57                | 170.15                  | 1.938             | Minor Risk         |          |
| 5,450.00                                                                                    | 5,445.10            | 5,445.98            | 5,442.75            | 19.28           | 152.61      | 161.60                | -85.66                          | 211.64                          | 333.16               | 161.32                | 171.84                  | 1.939             | Minor Risk         |          |
| 5,500.00                                                                                    | 5,494.89            | 5,495.95            | 5,492.68            | 19.46           | 154.16      | 161.58                | -83.89                          | 211.64                          | 336.59               | 163.02                | 173.57                  | 1.939             | Minor Risk         |          |
| 5,550.00                                                                                    | 5,544.68            | 5,545.91            | 5,542.61            | 19.64           | 155.72      | 161.57                | -82.10                          | 211.64                          | 340.00               | 164.70                | 175.30                  | 1.940             | Minor Risk         |          |
| 5,600.00                                                                                    | 5,594.47            | 5,595.88            | 5,592.54            | 19.82           | 157.27      | 161.55                | -80.28                          | 211.64                          | 343.41               | 166.38                | 177.03                  | 1.940             | Minor Risk         |          |
| 5,650.00                                                                                    | 5,644.26            | 5,645.84            | 5,642.48            | 20.00           | 158.82      | 161.53                | -78.44                          | 211.64                          | 346.80               | 168.04                | 178.76                  | 1.940             | Minor Risk         |          |
| 5,700.00                                                                                    | 5,694.05            | 5,695.81            | 5,692.41            | 20.18           | 160.38      | 161.50                | -76.58                          | 211.64                          | 350.18               | 169.69                | 180.49                  | 1.940             | Minor Risk         |          |
| 5,750.00                                                                                    | 5,743.85            | 5,745.78            | 5,742.35            | 20.36           | 161.93      | 161.47                | -74.69                          | 211.64                          | 353.55               | 171.32                | 182.22                  | 1.940             | Minor Risk         |          |
| 5,800.00                                                                                    | 5,793.64            | 5,795.75            | 5,792.28            | 20.53           | 163.49      | 161.44                | -72.79                          | 211.64                          | 356.90               | 172.95                | 183.95                  | 1.940             | Minor Risk         |          |
| 5,850.00                                                                                    | 5,843.43            | 5,845.73            | 5,842.22            | 20.71           | 165.04      | 161.41                | -70.85                          | 211.64                          | 360.25               | 174.56                | 185.69                  | 1.940             | Minor Risk         |          |
| 5,900.00                                                                                    | 5,893.22            | 5,895.70            | 5,892.15            | 20.89           | 166.59      | 161.38                | -68.90                          | 211.64                          | 363.58               | 176.16                | 187.42                  | 1.940             | Minor Risk         |          |
| 5,950.00                                                                                    | 5,943.01            | 5,945.57            | 5,941.98            | 21.07           | 168.22      | 161.34                | -66.94                          | 211.64                          | 366.91               | 177.69                | 189.22                  | 1.939             | Minor Risk         |          |
| 6,000.00                                                                                    | 5,992.80            | 5,995.46            | 5,991.83            | 21.25           | 169.83      | 161.31                | -64.98                          | 211.64                          | 370.24               | 179.22                | 191.01                  | 1.938             | Minor Risk         |          |
| 6,050.00                                                                                    | 6,042.59            | 6,045.35            | 6,041.68            | 21.43           | 171.45      | 161.27                | -63.02                          | 211.64                          | 373.57               | 180.76                | 192.80                  | 1.938             | Minor Risk         |          |
| 6,100.00                                                                                    | 6,092.38            | 6,095.24            | 6,091.53            | 21.61           | 173.06      | 161.24                | -61.07                          | 211.64                          | 376.90               | 182.30                | 194.59                  | 1.937             | Minor Risk         |          |
| 6,150.00                                                                                    | 6,142.17            | 6,145.12            | 6,141.38            | 21.79           | 174.67      | 161.21                | -59.11                          | 211.64                          | 380.23               | 183.84                | 196.39                  | 1.936             | Minor Risk         |          |
| 6,200.00                                                                                    | 6,191.96            | 6,195.01            | 6,191.23            | 21.97           | 176.28      | 161.17                | -57.15                          | 211.64                          | 383.56               | 185.38                | 198.18                  | 1.935             | Minor Risk         |          |
| 6,250.00                                                                                    | 6,241.75            | 6,244.90            | 6,241.08            | 22.15           | 177.90      | 161.14                | -55.19                          | 211.64                          | 386.89               | 186.92                | 199.97                  | 1.935             | Minor Risk         |          |
| 6,300.00                                                                                    | 6,291.54            | 6,294.79            | 6,290.93            | 22.33           | 179.51      | 161.11                | -53.23                          | 211.64                          | 390.22               | 188.45                | 201.76                  | 1.934             | Minor Risk         |          |
| 6,350.00                                                                                    | 6,341.33            | 6,344.68            | 6,340.78            | 22.51           | 181.12      | 161.08                | -51.27                          | 211.64                          | 393.55               | 189.99                | 203.55                  | 1.933             | Minor Risk         |          |
| 6,400.00                                                                                    | 6,391.12            | 6,394.57            | 6,390.63            | 22.69           | 182.74      | 161.05                | -49.31                          | 211.64                          | 396.88               | 191.53                | 205.34                  | 1.933             | Minor Risk         |          |
| 6,450.00                                                                                    | 6,440.91            | 6,444.12            | 6,440.15            | 22.87           | 184.12      | 161.03                | -47.44                          | 211.64                          | 400.24               | 193.33                | 206.91                  | 1.934             | Minor Risk         |          |
| 6,500.00                                                                                    | 6,490.71            | 6,493.81            | 6,489.81            | 23.05           | 185.61      | 161.01                | -45.60                          | 211.64                          | 403.63               | 195.05                | 208.58                  | 1.935             | Minor Risk         |          |
| 6,550.00                                                                                    | 6,540.50            | 6,543.51            | 6,539.47            | 23.23           | 187.09      | 161.00                | -43.80                          | 211.64                          | 407.04               | 196.79                | 210.24                  | 1.936             | Minor Risk         |          |
| 6,600.00                                                                                    | 6,590.29            | 6,593.20            | 6,589.13            | 23.41           | 188.58      | 161.00                | -42.05                          | 211.64                          | 410.47               | 198.56                | 211.91                  | 1.937             | Minor Risk         |          |
| 6,650.00                                                                                    | 6,640.08            | 6,642.89            | 6,638.79            | 23.59           | 190.07      | 161.00                | -40.34                          | 211.64                          | 413.92               | 200.35                | 213.58                  | 1.938             | Minor Risk         |          |
| 6,700.00                                                                                    | 6,689.87            | 6,692.57            | 6,688.45            | 23.76           | 191.55      | 161.01                | -38.68                          | 211.64                          | 417.40               | 202.16                | 215.24                  | 1.939             | Minor Risk         |          |
| 6,750.00                                                                                    | 6,739.66            | 6,742.25            | 6,738.10            | 23.94           | 193.04      | 161.02                | -37.06                          | 211.64                          | 420.90               | 203.99                | 216.91                  | 1.940             | Minor Risk         |          |
| 6,800.00                                                                                    | 6,789.45            | 6,792.04            | 6,787.63            | 24.12           | 194.53      | 161.03                | -35.49                          | 211.64                          | 424.42               | 204.00                | 220.42                  | 1.925             | Minor Risk         |          |
| 6,850.00                                                                                    | 6,839.24            | 6,841.67            | 6,837.48            | 24.30           | 195.97      | 161.06                | -33.86                          | 211.64                          | 427.97               | 207.77                | 220.20                  | 1.944             | Minor Risk         |          |
| 6,900.00                                                                                    | 6,889.03            | 6,891.55            | 6,887.33            | 24.48           | 197.34      | 161.08                | -32.44                          | 211.64                          | 431.52               | 209.77                | 221.75                  | 1.946             | Minor Risk         |          |
| 6,950.00                                                                                    | 6,938.82            | 6,941.42            | 6,937.18            | 24.66           | 198.71      | 161.10                | -30.92                          | 211.64                          | 435.08               | 211.77                | 223.30                  | 1.948             | Minor Risk         |          |
| 7,000.00                                                                                    | 6,988.61            | 6,991.29            | 6,987.03            | 24.84           | 200.08      | 161.12                | -29.39                          | 211.64                          | 438.63               | 213.78                | 224.85                  | 1.951             | Minor Risk         |          |
| 7,050.00                                                                                    | 7,038.40            | 7,041.17            | 7,036.88            | 25.02           | 201.46      | 161.14                | -27.87                          | 211.64                          | 442.18               | 215.78                | 226.40                  | 1.953             | Minor Risk         |          |
| 7,100.00                                                                                    | 7,088.19            | 7,091.04            | 7,086.73            | 25.20           | 202.83      | 161.16                | -26.35                          | 211.64                          | 445.73               | 217.78                | 227.95                  | 1.955             | Minor Risk         |          |
| 7,150.00                                                                                    | 7,137.98            | 7,140.91            | 7,136.58            | 25.38           | 204.20      | 161.19                | -24.83                          | 211.64                          | 449.28               | 219.78                | 229.50                  | 1.958             | Minor Risk         |          |
| 7,200.00                                                                                    | 7,187.78            | 7,190.79            | 7,186.43            | 25.56           | 205.57      | 161.21                | -23.30                          | 211.64                          | 452.83               | 221.78                | 231.05                  | 1.960             | Minor Risk         |          |
| 7,250.00                                                                                    | 7,237.57            | 7,240.66            | 7,236.28            | 25.74           | 206.94      | 161.23                | -21.78                          | 211.64                          | 456.39               | 223.78                | 232.60                  | 1.962             | Minor Risk         |          |
| 7,300.00                                                                                    | 7,287.36            | 7,290.53            | 7,286.13            | 25.92           | 208.31      | 161.25                | -20.26                          | 211.64                          | 459.94               | 225.79                | 234.15                  | 1.964             | Minor Risk         |          |
| 7,350.00                                                                                    | 7,337.15            | 7,340.56            | 7,336.13            | 26.10           | 209.74      | 161.26                | -18.71                          | 211.64                          | 463.48               | 227.72                | 235.76                  | 1.966             | Minor Risk         |          |
| 7,400.00                                                                                    | 7,386.94            | 7,390.60            | 7,386.15            | 26.28           | 211.18      | 161.28                | -17.14                          | 211.64                          | 467.01               | 229.63                | 237.38                  | 1.967             | Minor Risk         |          |
| 7,450.00                                                                                    | 7,436.73            | 7,440.64            | 7,436.16            | 26.46           | 212.62      | 161.29                | -15.52                          | 211.64                          | 470.52               | 231.53                | 238.99                  | 1.969             | Minor Risk         |          |
| 7,500.00                                                                                    | 7,486.52            | 7,490.69            | 7,486.18            | 26.64           | 214.05      | 161.29                | -13.88                          | 211.64                          | 474.01               | 233.40                | 240.61                  | 1.970             | Minor Risk         |          |
| 7,550.00                                                                                    | 7,536.31            | 7,540.74            | 7,536.20            | 26.82           | 215.49      | 161.30                | -12.19                          | 211.64                          | 477.48               | 235.26                | 242.22                  | 1.971             | Minor Risk         |          |
| 7,600.00                                                                                    | 7,586.10            | 7,590.79            | 7,586.22            | 27.01           | 216.93      | 161.30                | -10.48                          | 211.64                          | 480.94               | 237.10                | 243.84                  | 1.972             | Minor Risk         |          |
| 7,650.00                                                                                    | 7,635.89            | 7,640.84            | 7,636.24            | 27.19           | 218.36      | 161.29                | -8.73                           | 211.64                          | 484.38               | 238.92                | 245.45                  | 1.973             | Minor Risk         |          |
| 7,700.00                                                                                    | 7,685.68            | 7,689.91            | 7,685.28            | 27.37           | 219.48      | 161.30                | -7.13                           | 211.64                          | 487.88               | 241.13                | 246.75                  | 1.977             | Minor Risk         |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

|                    |                                 |                              |                                  |
|--------------------|---------------------------------|------------------------------|----------------------------------|
| Company:           | WCDSC Permian NM                | Local/Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Project:           | Eddy County (NAD 83 NM Eastern) | TVD Reference:               | RKB @ 3411.40ft                  |
| Reference Site:    | Sec 15-T23S-R31E                | MD Reference:                | RKB @ 3411.40ft                  |
| Site Error:        | 0.00 ft                         | North Reference:             | Grid                             |
| Reference Well:    | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Well Error:        | 0.50 ft                         | Output errors are at         | 2.00 sigma                       |
| Reference Wellbore | Wellbore #1                     | Database:                    | EDM r5000.141_Prod US            |
| Reference Design:  | Permit Plan 2                   | Offset TVD Reference:        | Offset Datum                     |

| Offset Design: Sec 15-T23S-R31E - Todd 15 D Fed #004 (P&A) - Wellbore #1 - Inc Only Surveys |                           |                           |                           |                   |                |                             |                        |             |                            |                             |                               |                      | Offset Site Error: | 0.00 ft  |
|---------------------------------------------------------------------------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|------------------------|-------------|----------------------------|-----------------------------|-------------------------------|----------------------|--------------------|----------|
| Survey Program: 262-INC-ONLY                                                                |                           |                           |                           |                   |                |                             |                        |             |                            |                             |                               |                      | Offset Well Error: | 10.00 ft |
| Reference                                                                                   |                           | Offset                    |                           | Semi Major Axis   |                | Highside<br>Toolface<br>(°) | Offset Wellbore Centre |             | Distance                   |                             | Minimum<br>Separation<br>(ft) | Separation<br>Factor | Warning            |          |
| Measured<br>Depth<br>(ft)                                                                   | Vertical<br>Depth<br>(ft) | Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Reference<br>(ft) | Offset<br>(ft) |                             | N/S<br>(ft)            | E/W<br>(ft) | Between<br>Centres<br>(ft) | Between<br>Ellipses<br>(ft) |                               |                      |                    |          |
| 7,750.00                                                                                    | 7,735.47                  | 7,739.35                  | 7,734.70                  | 27.55             | 220.72         | 161.31                      | -5.59                  | 211.64      | 491.41                     | 243.24                      | 248.17                        | 1.980                | Minor Risk         |          |
| 7,800.00                                                                                    | 7,785.26                  | 7,788.78                  | 7,784.11                  | 27.73             | 221.96         | 161.34                      | -4.13                  | 211.64      | 494.99                     | 245.40                      | 249.59                        | 1.983                | Minor Risk         |          |
| 7,850.00                                                                                    | 7,835.05                  | 7,838.21                  | 7,833.52                  | 27.91             | 223.20         | 161.37                      | -2.76                  | 211.64      | 498.62                     | 247.60                      | 251.02                        | 1.986                | Minor Risk         |          |
| 7,900.00                                                                                    | 7,884.84                  | 7,887.63                  | 7,882.93                  | 28.09             | 224.43         | 161.41                      | -1.48                  | 211.64      | 502.29                     | 249.85                      | 252.44                        | 1.990                | Minor Risk         |          |
| 7,950.00                                                                                    | 7,934.64                  | 7,937.04                  | 7,932.33                  | 28.27             | 225.67         | 161.45                      | -0.28                  | 211.64      | 506.00                     | 252.14                      | 253.86                        | 1.993                | Minor Risk         |          |
| 8,000.00                                                                                    | 7,984.43                  | 7,986.45                  | 7,981.72                  | 28.45             | 226.91         | 161.51                      | 0.84                   | 211.64      | 509.75                     | 254.48                      | 255.28                        | 1.997                | Minor Risk         |          |
| 8,050.00                                                                                    | 8,034.22                  | 8,035.85                  | 8,031.10                  | 28.63             | 228.15         | 161.57                      | 1.87                   | 211.64      | 513.56                     | 256.86                      | 256.70                        | 2.001                | Minor Risk         |          |
| 8,100.00                                                                                    | 8,084.01                  | 8,085.24                  | 8,080.48                  | 28.81             | 229.39         | 161.64                      | 2.81                   | 211.64      | 517.40                     | 259.29                      | 258.12                        | 2.005                | Minor Risk         |          |
| 8,150.00                                                                                    | 8,133.80                  | 8,135.47                  | 8,130.71                  | 28.99             | 230.58         | 161.71                      | 3.73                   | 211.64      | 521.27                     | 261.78                      | 259.49                        | 2.009                | Minor Risk         |          |
| 8,200.00                                                                                    | 8,183.59                  | 8,186.45                  | 8,181.68                  | 29.17             | 231.74         | 161.77                      | 4.84                   | 211.64      | 525.05                     | 264.23                      | 260.82                        | 2.013                | Minor Risk         |          |
| 8,250.00                                                                                    | 8,233.38                  | 8,215.00                  | 8,210.22                  | 29.35             | 232.38         | 161.79                      | 5.55                   | 211.64      | 529.19                     | 267.66                      | 261.53                        | 2.023                | Minor Risk         |          |
| 8,300.00                                                                                    | 8,283.17                  | 8,215.00                  | 8,210.22                  | 29.53             | 232.38         | 161.79                      | 5.55                   | 211.64      | 537.22                     | 277.31                      | 259.91                        | 2.067                | Minor Risk         |          |
| 8,350.00                                                                                    | 8,332.96                  | 8,215.00                  | 8,210.22                  | 29.71             | 232.38         | 161.79                      | 5.55                   | 211.64      | 549.70                     | 293.37                      | 256.33                        | 2.145                | Minor Risk         |          |
| 8,400.00                                                                                    | 8,382.75                  | 8,215.00                  | 8,210.22                  | 29.89             | 232.38         | 161.79                      | 5.55                   | 211.64      | 566.34                     | 315.20                      | 251.14                        | 2.255                | Minor Risk         |          |
| 8,450.00                                                                                    | 8,432.54                  | 8,215.00                  | 8,210.22                  | 30.07             | 232.38         | 161.79                      | 5.55                   | 211.64      | 586.78                     | 342.05                      | 244.73                        | 2.398                | Minor Risk         |          |
| 8,500.00                                                                                    | 8,482.33                  | 8,215.00                  | 8,210.22                  | 30.25             | 232.38         | 161.79                      | 5.55                   | 211.64      | 610.63                     | 373.14                      | 237.49                        | 2.571                | Alert              |          |
| 8,550.00                                                                                    | 8,532.12                  | 8,215.00                  | 8,210.22                  | 30.43             | 232.38         | 161.79                      | 5.55                   | 211.64      | 637.53                     | 407.75                      | 229.77                        | 2.775                | Alert              |          |
| 8,600.00                                                                                    | 8,581.91                  | 8,215.00                  | 8,210.22                  | 30.61             | 232.38         | 161.79                      | 5.55                   | 211.64      | 667.09                     | 445.23                      | 221.86                        | 3.007                | Alert              |          |
| 8,650.00                                                                                    | 8,631.71                  | 8,215.00                  | 8,210.22                  | 30.79             | 232.38         | 161.79                      | 5.55                   | 211.64      | 698.98                     | 485.02                      | 213.96                        | 3.267                | Alert              |          |
| 8,700.00                                                                                    | 8,681.50                  | 8,215.00                  | 8,210.22                  | 30.98             | 232.38         | 161.79                      | 5.55                   | 211.64      | 732.90                     | 526.65                      | 206.25                        | 3.554                | Alert              |          |
| 8,750.00                                                                                    | 8,731.29                  | 8,215.00                  | 8,210.22                  | 31.16             | 232.38         | 161.79                      | 5.55                   | 211.64      | 768.57                     | 569.76                      | 198.81                        | 3.866                | Alert              |          |
| 8,800.00                                                                                    | 8,781.08                  | 8,215.00                  | 8,210.22                  | 31.34             | 232.38         | 161.79                      | 5.55                   | 211.64      | 805.77                     | 614.04                      | 191.73                        | 4.203                | Alert              |          |
| 8,850.00                                                                                    | 8,830.87                  | 8,215.00                  | 8,210.22                  | 31.52             | 232.38         | 161.79                      | 5.55                   | 211.64      | 844.29                     | 659.26                      | 185.03                        | 4.563                | Alert              |          |
| 8,900.00                                                                                    | 8,880.66                  | 8,215.00                  | 8,210.22                  | 31.70             | 232.38         | 161.79                      | 5.55                   | 211.64      | 883.97                     | 705.23                      | 178.73                        | 4.946                | Alert              |          |
| 8,950.00                                                                                    | 8,930.45                  | 8,215.00                  | 8,210.22                  | 31.88             | 232.38         | 161.79                      | 5.55                   | 211.64      | 924.64                     | 751.81                      | 172.83                        | 5.350                |                    |          |
| 9,000.00                                                                                    | 8,980.24                  | 8,215.00                  | 8,210.22                  | 32.06             | 232.38         | 161.79                      | 5.55                   | 211.64      | 966.19                     | 798.88                      | 167.31                        | 5.775                |                    |          |
| 9,050.00                                                                                    | 9,030.03                  | 8,215.00                  | 8,210.22                  | 32.24             | 232.38         | 161.79                      | 5.55                   | 211.64      | 1,008.51                   | 846.34                      | 162.17                        | 6.219                |                    |          |
| 9,100.00                                                                                    | 9,079.83                  | 8,215.00                  | 8,210.22                  | 32.42             | 232.38         | 161.96                      | 5.55                   | 211.64      | 1,051.47                   | 894.11                      | 157.36                        | 6.682                |                    |          |
| 9,150.00                                                                                    | 9,129.67                  | 8,215.00                  | 8,210.22                  | 32.60             | 232.38         | 162.36                      | 5.55                   | 211.64      | 1,094.78                   | 941.99                      | 152.79                        | 7.165                |                    |          |
| 9,200.00                                                                                    | 9,179.56                  | 8,215.00                  | 8,210.22                  | 32.78             | 232.38         | 162.76                      | 5.55                   | 211.64      | 1,138.34                   | 989.90                      | 148.43                        | 7.669                |                    |          |
| 9,250.00                                                                                    | 9,229.49                  | 8,215.00                  | 8,210.22                  | 32.96             | 232.38         | 163.16                      | 5.55                   | 211.64      | 1,182.11                   | 1,037.84                    | 144.27                        | 8.194                |                    |          |
| 9,300.00                                                                                    | 9,279.45                  | 8,215.00                  | 8,210.22                  | 33.14             | 232.38         | 163.55                      | 5.55                   | 211.64      | 1,226.07                   | 1,085.79                    | 140.28                        | 8.740                |                    |          |
| 9,350.00                                                                                    | 9,329.43                  | 8,215.00                  | 8,210.22                  | 33.32             | 232.38         | 163.95                      | 5.55                   | 211.64      | 1,270.19                   | 1,133.74                    | 136.45                        | 9.309                |                    |          |
| 9,400.00                                                                                    | 9,379.43                  | 8,215.00                  | 8,210.22                  | 33.50             | 232.38         | 164.34                      | 5.55                   | 211.64      | 1,314.45                   | 1,181.67                    | 132.78                        | 9.899                |                    |          |
| 9,450.00                                                                                    | 9,429.43                  | 8,215.00                  | 8,210.22                  | 33.68             | 232.38         | 123.95                      | 5.55                   | 211.64      | 1,358.85                   | 1,229.59                    | 129.26                        | 10.513               |                    |          |
| 9,500.00                                                                                    | 9,479.43                  | 8,215.00                  | 8,210.22                  | 33.85             | 232.38         | 123.95                      | 5.55                   | 211.64      | 1,403.58                   | 1,277.64                    | 125.94                        | 11.145               |                    |          |
| 9,550.00                                                                                    | 9,529.43                  | 8,215.00                  | 8,210.22                  | 34.03             | 232.38         | 123.95                      | 5.55                   | 211.64      | 1,448.66                   | 1,325.84                    | 122.82                        | 11.795               |                    |          |
| 9,600.00                                                                                    | 9,579.43                  | 8,215.00                  | 8,210.22                  | 34.21             | 232.38         | 123.95                      | 5.55                   | 211.64      | 1,494.06                   | 1,374.16                    | 119.89                        | 12.461               |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

|                     |                                 |                              |                                  |
|---------------------|---------------------------------|------------------------------|----------------------------------|
| Company:            | WCDSC Permian NM                | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Project:            | Eddy County (NAD 83 NM Eastern) | TVD Reference:               | RKB @ 3411.40ft                  |
| Reference Site:     | Sec 15-T23S-R31E                | MD Reference:                | RKB @ 3411.40ft                  |
| Site Error:         | 0.00 ft                         | North Reference:             | Grid                             |
| Reference Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Well Error:         | 0.50 ft                         | Output errors are at         | 2.00 sigma                       |
| Reference Wellbore: | Wellbore #1                     | Database:                    | EDM r5000.141_Prod US            |
| Reference Design:   | Permit Plan 2                   | Offset TVD Reference:        | Offset Datum                     |

| Offset Design Sec 27-T23S-R31E - Aldabra 27 Fed 1H - Wellbore #1 - Wellbore #1 |                     |                     |                     |                |             |                       |                                 |                                 |                      |                       |                         |                   | Offset Site Error: |
|--------------------------------------------------------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|---------------------------------|---------------------------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|
| Survey Program: 100-GYRO-NS-CT, 10741-MWD-HGRF                                 |                     |                     |                     |                |             |                       |                                 |                                 |                      |                       |                         |                   | Offset Well Error: |
| Measured Depth (ft)                                                            | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre N-S (ft) | Offset Wellbore Centre E-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning            |
| 19,900.00                                                                      | 10,330.00           | 16,050.00           | 11,396.51           | 81.10          | 99.63       | -173.17               | -10,494.67                      | -114.27                         | 1,489.30             | 1,381.95              | 107.36                  | 13.873            |                    |
| 19,950.00                                                                      | 10,330.00           | 16,050.00           | 11,396.51           | 81.44          | 99.63       | -173.17               | -10,494.67                      | -114.27                         | 1,454.48             | 1,345.87              | 108.61                  | 13.392            |                    |
| 20,000.00                                                                      | 10,330.00           | 16,050.00           | 11,396.51           | 81.78          | 99.63       | -173.17               | -10,494.67                      | -114.27                         | 1,420.56             | 1,310.65              | 109.91                  | 12.925            |                    |
| 20,050.00                                                                      | 10,330.00           | 16,050.00           | 11,396.51           | 82.13          | 99.63       | -173.17               | -10,494.67                      | -114.27                         | 1,387.61             | 1,276.37              | 111.25                  | 12.473            |                    |
| 20,100.00                                                                      | 10,330.00           | 16,050.00           | 11,396.51           | 82.47          | 99.63       | -173.17               | -10,494.67                      | -114.27                         | 1,355.71             | 1,243.09              | 112.62                  | 12.037            |                    |
| 20,150.00                                                                      | 10,330.00           | 16,050.00           | 11,396.51           | 82.81          | 99.63       | -173.17               | -10,494.67                      | -114.27                         | 1,324.93             | 1,210.89              | 114.04                  | 11.618            |                    |
| 20,200.00                                                                      | 10,330.00           | 16,050.00           | 11,396.51           | 83.16          | 99.63       | -173.17               | -10,494.67                      | -114.27                         | 1,295.34             | 1,179.87              | 115.48                  | 11.217            |                    |
| 20,250.00                                                                      | 10,330.00           | 16,050.00           | 11,396.51           | 83.50          | 99.63       | -173.17               | -10,494.67                      | -114.27                         | 1,267.04             | 1,150.11              | 116.94                  | 10.835            |                    |
| 20,300.00                                                                      | 10,330.00           | 16,050.00           | 11,396.51           | 83.85          | 99.63       | -173.17               | -10,494.67                      | -114.27                         | 1,240.11             | 1,121.70              | 118.41                  | 10.473            |                    |
| 20,350.00                                                                      | 10,330.00           | 16,050.00           | 11,396.51           | 84.19          | 99.63       | -173.17               | -10,494.67                      | -114.27                         | 1,214.64             | 1,094.76              | 119.89                  | 10.132            |                    |
| 20,400.00                                                                      | 10,330.00           | 16,050.00           | 11,396.51           | 84.54          | 99.63       | -173.17               | -10,494.67                      | -114.27                         | 1,190.73             | 1,069.38              | 121.35                  | 9.812             |                    |
| 20,450.00                                                                      | 10,330.00           | 16,050.00           | 11,396.51           | 84.88          | 99.63       | -173.17               | -10,494.67                      | -114.27                         | 1,168.47             | 1,045.67              | 122.80                  | 9.515             |                    |
| 20,500.00                                                                      | 10,330.00           | 16,050.00           | 11,396.51           | 85.23          | 99.63       | -173.17               | -10,494.67                      | -114.27                         | 1,147.96             | 1,023.75              | 124.21                  | 9.242             |                    |
| 20,550.00                                                                      | 10,330.00           | 16,050.00           | 11,396.51           | 85.58          | 99.63       | -173.17               | -10,494.67                      | -114.27                         | 1,129.28             | 1,003.72              | 125.56                  | 8.994             |                    |
| 20,600.00                                                                      | 10,330.00           | 16,050.00           | 11,396.51           | 85.92          | 99.63       | -173.17               | -10,494.67                      | -114.27                         | 1,112.55             | 985.71                | 126.84                  | 8.771             |                    |
| 20,650.00                                                                      | 10,330.00           | 16,050.00           | 11,396.51           | 86.27          | 99.63       | -173.17               | -10,494.67                      | -114.27                         | 1,097.84             | 969.80                | 128.04                  | 8.574             |                    |
| 20,700.00                                                                      | 10,330.00           | 16,050.00           | 11,396.51           | 86.62          | 99.63       | -173.17               | -10,494.67                      | -114.27                         | 1,085.23             | 956.11                | 129.12                  | 8.405             |                    |
| 20,750.00                                                                      | 10,330.00           | 16,050.00           | 11,396.51           | 86.97          | 99.63       | -173.17               | -10,494.67                      | -114.27                         | 1,074.81             | 944.72                | 130.08                  | 8.262             |                    |
| 20,800.00                                                                      | 10,330.00           | 16,050.00           | 11,396.51           | 87.31          | 99.63       | -173.17               | -10,494.67                      | -114.27                         | 1,066.62             | 935.72                | 130.90                  | 8.148             |                    |
| 20,850.00                                                                      | 10,330.00           | 16,050.00           | 11,396.51           | 87.66          | 99.63       | -173.17               | -10,494.67                      | -114.27                         | 1,060.74             | 929.17                | 131.57                  | 8.062             |                    |
| 20,900.00                                                                      | 10,330.00           | 16,050.00           | 11,396.51           | 88.01          | 99.63       | -173.17               | -10,494.67                      | -114.27                         | 1,057.19             | 925.11                | 132.08                  | 8.004             |                    |
| 20,950.00                                                                      | 10,330.00           | 16,050.00           | 11,396.51           | 88.36          | 99.63       | -173.17               | -10,494.67                      | -114.27                         | 1,056.00             | 923.59                | 132.41                  | 7.976             |                    |
| 20,950.19                                                                      | 10,330.00           | 16,050.00           | 11,396.51           | 88.36          | 99.63       | -173.17               | -10,494.67                      | -114.27                         | 1,056.00             | 923.59                | 132.41                  | 7.975             |                    |
| 21,000.00                                                                      | 10,330.00           | 16,045.40           | 11,396.73           | 88.71          | 99.55       | -173.19               | -10,499.26                      | -114.43                         | 1,057.16             | 924.61                | 132.55                  | 7.976             |                    |
| 21,050.00                                                                      | 10,330.00           | 15,999.07           | 11,398.92           | 89.06          | 98.73       | -173.30               | -10,545.51                      | -116.01                         | 1,059.29             | 926.74                | 132.55                  | 7.992             |                    |
| 21,100.00                                                                      | 10,330.00           | 15,932.16           | 11,401.80           | 89.41          | 97.55       | -173.45               | -10,612.32                      | -118.19                         | 1,061.20             | 928.69                | 132.51                  | 8.008             |                    |
| 21,150.00                                                                      | 10,330.00           | 15,869.43           | 11,403.54           | 89.76          | 96.45       | -173.58               | -10,675.01                      | -119.92                         | 1,062.39             | 929.91                | 132.48                  | 8.019             |                    |
| 21,200.00                                                                      | 10,330.00           | 15,807.31           | 11,404.58           | 90.11          | 95.35       | -173.69               | -10,737.10                      | -121.59                         | 1,063.04             | 930.60                | 132.44                  | 8.026             |                    |
| 21,250.00                                                                      | 10,330.00           | 15,740.17           | 11,404.74           | 90.46          | 94.18       | -173.81               | -10,804.21                      | -123.38                         | 1,062.99             | 930.61                | 132.38                  | 8.030             |                    |
| 21,300.00                                                                      | 10,330.00           | 15,693.73           | 11,404.43           | 90.81          | 93.36       | -173.88               | -10,850.64                      | -124.56                         | 1,062.50             | 930.09                | 132.41                  | 8.024             |                    |
| 21,330.10                                                                      | 10,330.00           | 15,669.71           | 11,404.43           | 91.02          | 92.94       | -173.92               | -10,874.64                      | -125.08                         | 1,062.42             | 929.96                | 132.46                  | 8.021             |                    |
| 21,350.00                                                                      | 10,330.00           | 15,653.84           | 11,404.51           | 91.16          | 92.66       | -173.94               | -10,890.52                      | -125.40                         | 1,062.45             | 929.97                | 132.48                  | 8.020             |                    |
| 21,400.00                                                                      | 10,330.00           | 15,604.80           | 11,404.96           | 91.51          | 91.81       | -174.00               | -10,939.54                      | -126.23                         | 1,062.79             | 930.28                | 132.51                  | 8.020             |                    |
| 21,450.00                                                                      | 10,330.00           | 15,542.20           | 11,405.02           | 91.86          | 90.72       | -174.07               | -11,002.13                      | -127.19                         | 1,062.73             | 930.24                | 132.49                  | 8.021             |                    |
| 21,496.05                                                                      | 10,330.00           | 15,503.72           | 11,404.91           | 92.19          | 90.05       | -174.11               | -11,040.62                      | -127.75                         | 1,062.52             | 929.96                | 132.56                  | 8.015             |                    |
| 21,500.00                                                                      | 10,330.00           | 15,500.65           | 11,404.92           | 92.22          | 89.99       | -174.12               | -11,043.68                      | -127.79                         | 1,062.52             | 929.95                | 132.57                  | 8.015             |                    |
| 21,550.00                                                                      | 10,330.00           | 15,461.84           | 11,405.24           | 92.57          | 89.32       | -174.16               | -11,082.48                      | -128.34                         | 1,062.82             | 930.18                | 132.64                  | 8.013             |                    |
| 21,600.00                                                                      | 10,330.00           | 15,411.36           | 11,406.06           | 92.92          | 88.44       | -174.22               | -11,132.96                      | -129.06                         | 1,063.54             | 930.86                | 132.68                  | 8.016             |                    |
| 21,650.00                                                                      | 10,330.00           | 15,345.85           | 11,406.43           | 93.27          | 87.31       | -174.29               | -11,198.45                      | -130.03                         | 1,063.72             | 931.06                | 132.66                  | 8.018             |                    |
| 21,700.00                                                                      | 10,330.00           | 15,296.30           | 11,406.38           | 93.63          | 86.46       | -174.35               | -11,248.00                      | -130.96                         | 1,063.55             | 930.85                | 132.70                  | 8.015             |                    |
| 21,750.00                                                                      | 10,330.00           | 15,245.55           | 11,406.38           | 93.98          | 85.58       | -174.44               | -11,298.73                      | -132.27                         | 1,063.39             | 930.66                | 132.73                  | 8.012             |                    |
| 21,800.00                                                                      | 10,330.00           | 15,181.90           | 11,405.93           | 94.33          | 84.49       | -174.55               | -11,362.35                      | -134.02                         | 1,062.88             | 930.18                | 132.70                  | 8.010             |                    |
| 21,850.00                                                                      | 10,330.00           | 15,132.29           | 11,405.12           | 94.69          | 83.64       | -174.63               | -11,411.94                      | -135.26                         | 1,061.92             | 929.18                | 132.75                  | 8.000             |                    |
| 21,900.00                                                                      | 10,330.00           | 15,091.67           | 11,404.72           | 95.04          | 82.95       | -174.68               | -11,452.55                      | -136.02                         | 1,061.33             | 928.49                | 132.84                  | 7.989             |                    |
| 21,942.96                                                                      | 10,330.00           | 15,056.65           | 11,404.66           | 95.34          | 82.35       | -174.71               | -11,487.57                      | -136.48                         | 1,061.17             | 928.25                | 132.92                  | 7.983             |                    |
| 21,950.00                                                                      | 10,330.00           | 15,050.79           | 11,404.67           | 95.39          | 82.25       | -174.72               | -11,493.43                      | -136.55                         | 1,061.17             | 928.24                | 132.93                  | 7.983             |                    |
| 22,000.00                                                                      | 10,330.00           | 15,009.20           | 11,404.95           | 95.75          | 81.55       | -174.76               | -11,535.02                      | -137.06                         | 1,061.43             | 928.41                | 133.02                  | 7.979             |                    |
| 22,050.00                                                                      | 10,330.00           | 14,967.37           | 11,405.57           | 96.10          | 80.84       | -174.81               | -11,576.83                      | -137.66                         | 1,062.08             | 928.98                | 133.10                  | 7.979             |                    |
| 22,100.00                                                                      | 10,330.00           | 14,926.46           | 11,406.24           | 96.46          | 79.67       | -174.89               | -11,615.73                      | -138.66                         | 1,062.47             | 929.37                | 133.10                  | 7.983             |                    |
| 22,150.00                                                                      | 10,330.00           | 14,845.04           | 11,406.06           | 96.81          | 78.77       | -174.94               | -11,659.15                      | -139.41                         | 1,062.21             | 929.06                | 133.15                  | 7.978             |                    |
| 22,189.72                                                                      | 10,330.00           | 14,809.82           | 11,406.05           | 97.09          | 78.18       | -174.98               | -11,734.36                      | -140.00                         | 1,062.12             | 928.91                | 133.21                  | 7.973             |                    |
| 22,200.00                                                                      | 10,330.00           | 14,800.71           | 11,406.08           | 97.17          | 78.03       | -174.99               | -11,743.47                      | -140.16                         | 1,062.13             | 928.90                | 133.23                  | 7.972             |                    |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

|                            |                                 |                                     |                                  |
|----------------------------|---------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>            | WCDSC Permian NM                | <b>Local Co-ordinate Reference:</b> | Well Maldives 15-27 Fed Com 231H |
| <b>Project:</b>            | Eddy County (NAD 83 NM Eastern) | <b>TVD Reference:</b>               | RKB @ 3411.40ft                  |
| <b>Reference Site:</b>     | Sec 15-T23S-R31E                | <b>MD Reference:</b>                | RKB @ 3411.40ft                  |
| <b>Site Error:</b>         | 0.00 ft                         | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>     | Maldives 15-27 Fed Com 231H     | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>         | 0.50 ft                         | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore:</b> | Wellbore #1                     | <b>Database:</b>                    | EDM r5000.141_Prod US            |
| <b>Reference Design:</b>   | Permit Plan 2                   | <b>Offset TVD Reference:</b>        | Offset Datum                     |

| <b>Offset Design</b> Sec 27-T23S-R31E - Aldabra 27 Fed 1H - Wellbore #1 - Wellbore #1 |                     |                     |                     |                 |             |                       |                                 |                                 |                      |                       |                         | Offset Site Error: | 0.50 ft |
|---------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|---------------------------------|---------------------------------|----------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 100-GYRO-NS-CT, 10741-MWD-HGRF                                        |                     |                     |                     |                 |             |                       |                                 |                                 |                      |                       |                         | Offset Well Error: | 0.50 ft |
| Reference                                                                             |                     | Offset              |                     | Semi Major Axis |             | Distance              |                                 |                                 |                      |                       |                         |                    |         |
| Measured Depth (ft)                                                                   | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre N-S (ft) | Offset Wellbore Centre E-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor  | Warning |
| 22,250.00                                                                             | 10,330.00           | 14,755.60           | 11,406.34           | 97.52           | 77.27       | -175.06               | -11,788.57                      | -141.07                         | 1,062.31             | 928.99                | 133.31                  | 7.969              |         |
| 22,300.00                                                                             | 10,330.00           | 14,709.76           | 11,406.82           | 97.88           | 76.51       | -175.14               | -11,834.40                      | -142.26                         | 1,062.69             | 929.30                | 133.39                  | 7.967              |         |
| 22,350.00                                                                             | 10,330.00           | 14,652.74           | 11,407.50           | 98.23           | 75.56       | -175.25               | -11,891.38                      | -144.04                         | 1,063.15             | 929.73                | 133.43                  | 7.968              |         |
| 22,400.00                                                                             | 10,330.00           | 14,583.53           | 11,407.27           | 98.59           | 74.42       | -175.38               | -11,960.56                      | -146.11                         | 1,062.84             | 929.43                | 133.41                  | 7.967              |         |
| 22,450.00                                                                             | 10,330.00           | 14,521.46           | 11,406.15           | 98.95           | 73.39       | -175.49               | -12,022.60                      | -147.87                         | 1,061.80             | 928.39                | 133.42                  | 7.959              |         |
| 22,500.00                                                                             | 10,330.00           | 14,472.73           | 11,404.90           | 99.30           | 72.60       | -175.57               | -12,071.29                      | -149.22                         | 1,060.39             | 926.90                | 133.50                  | 7.943              |         |
| 22,550.00                                                                             | 10,330.00           | 14,433.27           | 11,404.20           | 99.66           | 71.95       | -175.64               | -12,110.73                      | -150.34                         | 1,059.39             | 925.76                | 133.62                  | 7.928              |         |
| 22,600.00                                                                             | 10,330.00           | 14,393.96           | 11,403.91           | 100.02          | 71.31       | -175.72               | -12,150.02                      | -151.48                         | 1,058.88             | 925.13                | 133.75                  | 7.917              |         |
| 22,623.18                                                                             | 10,330.00           | 14,376.08           | 11,403.91           | 100.18          | 71.02       | -175.75               | -12,167.90                      | -152.00                         | 1,058.82             | 925.02                | 133.81                  | 7.913              |         |
| 22,650.00                                                                             | 10,330.00           | 14,355.38           | 11,404.02           | 100.37          | 70.69       | -175.79               | -12,188.58                      | -152.58                         | 1,058.90             | 925.03                | 133.87                  | 7.910              |         |
| 22,700.00                                                                             | 10,330.00           | 14,324.58           | 11,404.32           | 100.73          | 70.19       | -175.84               | -12,219.37                      | -153.42                         | 1,059.41             | 925.41                | 134.00                  | 7.906              |         |
| 22,750.00                                                                             | 10,330.00           | 14,255.40           | 11,405.51           | 101.09          | 69.07       | -175.97               | -12,288.52                      | -155.21                         | 1,060.16             | 926.11                | 134.04                  | 7.909              |         |
| 22,800.00                                                                             | 10,330.00           | 14,195.77           | 11,405.58           | 101.45          | 68.12       | -176.07               | -12,348.13                      | -156.74                         | 1,060.08             | 925.98                | 134.10                  | 7.905              |         |
| 22,826.14                                                                             | 10,330.00           | 14,173.00           | 11,405.59           | 101.63          | 67.76       | -176.10               | -12,370.89                      | -157.27                         | 1,060.04             | 925.88                | 134.16                  | 7.901              |         |
| 22,850.00                                                                             | 10,330.00           | 14,152.23           | 11,405.66           | 101.80          | 67.43       | -176.13               | -12,391.66                      | -157.71                         | 1,060.08             | 925.86                | 134.22                  | 7.898              |         |
| 22,900.00                                                                             | 10,330.00           | 14,103.31           | 11,406.00           | 102.16          | 66.65       | -176.20               | -12,440.56                      | -158.61                         | 1,060.35             | 926.02                | 134.32                  | 7.894              |         |
| 22,950.00                                                                             | 10,330.00           | 14,034.69           | 11,405.78           | 102.52          | 65.57       | -176.28               | -12,509.17                      | -159.86                         | 1,060.11             | 925.75                | 134.36                  | 7.890              |         |
| 23,000.00                                                                             | 10,330.00           | 13,985.71           | 11,405.13           | 102.88          | 64.81       | -176.34               | -12,558.14                      | -160.75                         | 1,059.37             | 924.90                | 134.47                  | 7.878              |         |
| 23,050.00                                                                             | 10,330.00           | 13,940.75           | 11,404.73           | 103.24          | 64.11       | -176.39               | -12,603.09                      | -161.41                         | 1,058.86             | 924.26                | 134.60                  | 7.867              |         |
| 23,100.00                                                                             | 10,330.00           | 13,897.45           | 11,404.56           | 103.59          | 63.44       | -176.43               | -12,646.39                      | -161.97                         | 1,058.61             | 923.88                | 134.74                  | 7.857              |         |
| 23,110.98                                                                             | 10,330.00           | 13,888.09           | 11,404.57           | 103.67          | 63.30       | -176.44               | -12,655.75                      | -162.11                         | 1,058.61             | 923.84                | 134.77                  | 7.855              |         |
| 23,150.00                                                                             | 10,330.00           | 13,854.80           | 11,404.70           | 103.95          | 62.78       | -176.48               | -12,689.03                      | -162.63                         | 1,058.71             | 923.84                | 134.88                  | 7.850              |         |
| 23,200.00                                                                             | 10,330.00           | 13,806.58           | 11,405.14           | 104.31          | 62.05       | -176.55               | -12,737.25                      | -163.50                         | 1,059.09             | 924.09                | 135.00                  | 7.845              |         |
| 23,250.00                                                                             | 10,330.00           | 13,753.02           | 11,405.51           | 104.67          | 61.23       | -176.62               | -12,790.79                      | -164.51                         | 1,059.36             | 924.25                | 135.11                  | 7.841              |         |
| 23,300.00                                                                             | 10,330.00           | 13,704.39           | 11,405.77           | 105.03          | 60.50       | -176.69               | -12,839.42                      | -165.51                         | 1,059.55             | 924.31                | 135.24                  | 7.835              |         |
| 23,350.00                                                                             | 10,330.00           | 13,662.64           | 11,406.06           | 105.39          | 59.87       | -176.76               | -12,881.15                      | -166.56                         | 1,059.85             | 924.47                | 135.38                  | 7.828              |         |
| 23,400.00                                                                             | 10,330.00           | 13,596.51           | 11,406.55           | 105.75          | 58.90       | -176.89               | -12,947.24                      | -168.58                         | 1,060.11             | 924.64                | 135.48                  | 7.825              |         |
| 23,450.00                                                                             | 10,330.00           | 13,537.46           | 11,406.17           | 106.11          | 58.03       | -177.01               | -13,006.26                      | -170.60                         | 1,059.67             | 924.09                | 135.58                  | 7.816              |         |
| 23,500.00                                                                             | 10,330.00           | 13,495.16           | 11,405.96           | 106.47          | 57.42       | -177.11               | -13,048.52                      | -172.23                         | 1,059.31             | 923.57                | 135.74                  | 7.804              |         |
| 23,533.89                                                                             | 10,330.00           | 13,474.43           | 11,405.89           | 106.71          | 57.12       | -177.16               | -13,069.24                      | -173.06                         | 1,059.23             | 923.37                | 135.86                  | 7.796              |         |
| 23,550.00                                                                             | 10,330.00           | 13,451.43           | 11,406.08           | 106.83          | 56.79       | -177.23               | -13,092.21                      | -174.10                         | 1,059.32             | 923.43                | 135.89                  | 7.795              |         |
| 23,600.00                                                                             | 10,330.00           | 13,380.05           | 11,405.70           | 107.19          | 55.77       | -177.41               | -13,163.53                      | -177.17                         | 1,058.94             | 922.97                | 135.98                  | 7.788              |         |
| 23,650.00                                                                             | 10,330.00           | 13,315.69           | 11,404.22           | 107.55          | 54.87       | -177.57               | -13,227.82                      | -179.79                         | 1,057.68             | 921.61                | 136.07                  | 7.773              |         |
| 23,700.00                                                                             | 10,330.00           | 13,258.16           | 11,402.25           | 107.91          | 54.07       | -177.71               | -13,285.26                      | -182.12                         | 1,055.86             | 919.68                | 136.19                  | 7.753              |         |
| 23,750.00                                                                             | 10,330.00           | 13,218.10           | 11,400.97           | 108.27          | 53.53       | -177.80               | -13,325.28                      | -183.60                         | 1,054.19             | 917.80                | 136.39                  | 7.729              |         |
| 23,800.00                                                                             | 10,330.00           | 13,177.99           | 11,400.06           | 108.63          | 52.98       | -177.88               | -13,365.36                      | -184.87                         | 1,052.98             | 916.40                | 136.58                  | 7.709              |         |
| 23,850.00                                                                             | 10,330.00           | 13,135.87           | 11,399.46           | 108.99          | 52.42       | -177.96               | -13,407.45                      | -186.14                         | 1,052.21             | 915.43                | 136.77                  | 7.693              |         |
| 23,900.00                                                                             | 10,330.00           | 13,093.41           | 11,399.17           | 109.36          | 51.85       | -178.05               | -13,449.89                      | -187.55                         | 1,051.79             | 914.83                | 136.96                  | 7.680              |         |
| 23,950.00                                                                             | 10,330.00           | 13,046.28           | 11,399.12           | 109.72          | 51.24       | -178.15               | -13,496.99                      | -189.21                         | 1,051.67             | 914.53                | 137.14                  | 7.669              |         |
| 24,000.00                                                                             | 10,330.00           | 13,000.43           | 11,399.05           | 110.08          | 50.64       | -178.25               | -13,542.82                      | -190.65                         | 1,051.54             | 914.22                | 137.32                  | 7.657              |         |
| 24,019.45                                                                             | 10,330.00           | 12,974.68           | 11,399.05           | 110.22          | 50.31       | -178.29               | -13,568.56                      | -191.34                         | 1,051.52             | 914.13                | 137.39                  | 7.654              |         |
| 24,050.00                                                                             | 10,330.00           | 12,934.22           | 11,398.74           | 110.44          | 49.81       | -178.36               | -13,609.00                      | -192.43                         | 1,051.26             | 913.77                | 137.49                  | 7.646              |         |
| 24,100.00                                                                             | 10,330.00           | 12,876.75           | 11,397.67           | 110.80          | 49.09       | -178.46               | -13,666.44                      | -193.97                         | 1,050.27             | 912.61                | 137.66                  | 7.629              |         |
| 24,150.00                                                                             | 10,330.00           | 12,839.44           | 11,397.16           | 111.16          | 48.63       | -178.52               | -13,703.74                      | -194.87                         | 1,049.55             | 911.67                | 137.88                  | 7.612              |         |
| 24,184.50                                                                             | 10,330.00           | 12,813.69           | 11,397.07           | 111.41          | 48.32       | -178.56               | -13,729.48                      | -195.43                         | 1,049.41             | 911.38                | 138.03                  | 7.603              |         |
| 24,200.00                                                                             | 10,330.00           | 12,802.12           | 11,397.10           | 111.53          | 48.18       | -178.58               | -13,741.05                      | -195.66                         | 1,049.43             | 911.34                | 138.10                  | 7.599              |         |
| 24,250.00                                                                             | 10,330.00           | 12,762.84           | 11,397.48           | 111.89          | 47.72       | -178.63               | -13,780.32                      | -196.43                         | 1,049.89             | 911.58                | 138.31                  | 7.591              |         |
| 24,300.00                                                                             | 10,330.00           | 12,723.03           | 11,398.26           | 112.25          | 47.25       | -178.69               | -13,820.11                      | -197.29                         | 1,050.83             | 912.32                | 138.51                  | 7.587              |         |
| 24,350.00                                                                             | 10,330.00           | 12,672.99           | 11,399.62           | 112.61          | 46.67       | -178.77               | -13,870.12                      | -198.47                         | 1,052.16             | 913.44                | 138.72                  | 7.585              |         |
| 24,400.00                                                                             | 10,330.00           | 12,607.34           | 11,400.72           | 112.98          | 45.93       | -178.88               | -13,935.74                      | -200.00                         | 1,052.97             | 914.02                | 138.95                  | 7.578              |         |
| 24,450.00                                                                             | 10,330.00           | 12,540.29           | 11,400.81           | 113.34          | 45.21       | -178.98               | -14,002.78                      | -201.47                         | 1,053.00             | 913.83                | 139.18                  | 7.566              |         |
| 24,500.00                                                                             | 10,330.00           | 12,481.13           | 11,400.05           | 113.70          | 44.59       | -179.05               | -14,061.92                      | -202.53                         | 1,052.33             | 912.93                | 139.40                  | 7.549              |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

|                     |                                 |                              |                                  |
|---------------------|---------------------------------|------------------------------|----------------------------------|
| Company:            | WCDSC Permian NM                | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Project:            | Eddy County (NAD 83 NM Eastern) | TVD Reference:               | RKB @ 3411.40ft                  |
| Reference Site:     | Sec 15-T23S-R31E                | MD Reference:                | RKB @ 3411.40ft                  |
| Site Error:         | 0.00 ft                         | North Reference:             | Grid                             |
| Reference Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Well Error:         | 0.50 ft                         | Output errors are at:        | 2.00 sigma                       |
| Reference Wellbore: | Wellbore #1                     | Database:                    | EDM r5000.141_Prod US            |
| Reference Design:   | Permit Plan 2                   | Offset TVD Reference:        | Offset Datum                     |

| Offset Design                                                    |                     |                     |                     |                |             |                       |                                   |            |                      |                       |                         |                              | Offset Site Error: | 0.50 ft |
|------------------------------------------------------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|------------------------------|--------------------|---------|
| Sec 27-T23S-R31E - Aldabra 27 Fed 1H - Wellbore #1 - Wellbore #1 |                     |                     |                     |                |             |                       |                                   |            |                      |                       |                         |                              | Offset Well Error: | 0.50 ft |
| Survey Program: 100-GYRO-NS-CT, 10741-MWD-HGRF                   |                     |                     |                     |                |             |                       |                                   |            |                      |                       |                         |                              |                    |         |
| Reference                                                        |                     |                     |                     |                |             |                       |                                   |            |                      |                       |                         |                              |                    |         |
| Offset                                                           |                     |                     |                     |                |             |                       |                                   |            |                      |                       |                         |                              |                    |         |
| Semi Major Axis                                                  |                     |                     |                     |                |             |                       |                                   |            |                      |                       |                         |                              |                    |         |
| Measured Depth (ft)                                              | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor            | Warning            |         |
| 24,550.00                                                        | 10,330.00           | 12,428.86           | 11,399.16           | 114.07         | 44.06       | -179.07               | -14,114.18                        | -202.69    | 1,051.48             | 911.84                | 139.64                  | 7.530                        |                    |         |
| 24,600.00                                                        | 10,330.00           | 12,383.04           | 11,398.37           | 114.43         | 43.62       | -179.06               | -14,160.00                        | -202.16    | 1,050.62             | 910.73                | 139.89                  | 7.510                        |                    |         |
| 24,650.00                                                        | 10,330.00           | 12,339.54           | 11,397.87           | 114.79         | 43.20       | -179.01               | -14,203.48                        | -201.10    | 1,050.07             | 909.92                | 140.15                  | 7.493                        |                    |         |
| 24,700.00                                                        | 10,330.00           | 12,283.97           | 11,397.37           | 115.16         | 42.69       | -178.92               | -14,259.01                        | -199.17    | 1,049.65             | 909.24                | 140.41                  | 7.476                        |                    |         |
| 24,750.00                                                        | 10,330.00           | 12,221.81           | 11,396.10           | 115.52         | 42.15       | -178.82               | -14,321.12                        | -197.00    | 1,048.65             | 907.97                | 140.68                  | 7.454                        |                    |         |
| 24,800.00                                                        | 10,330.00           | 10,336.56           | 10,334.32           | 115.88         | 36.01       | 85.57                 | -15,336.56                        | -389.31    | 1,006.16             | 921.56                | 84.60                   | 11.893                       |                    |         |
| 24,850.00                                                        | 10,330.00           | 10,337.36           | 10,335.12           | 116.25         | 36.01       | 85.82                 | -15,336.57                        | -389.31    | 956.98               | 871.96                | 85.03                   | 11.255                       |                    |         |
| 24,900.00                                                        | 10,330.00           | 10,338.16           | 10,335.92           | 116.61         | 36.01       | 86.08                 | -15,336.58                        | -389.30    | 907.89               | 822.38                | 85.51                   | 10.617                       |                    |         |
| 24,950.00                                                        | 10,330.00           | 10,338.95           | 10,336.71           | 116.97         | 36.01       | 86.34                 | -15,336.60                        | -389.29    | 858.90               | 772.83                | 86.07                   | 9.979                        |                    |         |
| 25,000.00                                                        | 10,330.00           | 10,339.74           | 10,337.50           | 117.34         | 36.02       | 86.59                 | -15,336.61                        | -389.28    | 810.04               | 723.32                | 86.72                   | 9.341                        |                    |         |
| 25,050.00                                                        | 10,330.00           | 10,340.53           | 10,338.29           | 117.70         | 36.02       | 86.85                 | -15,336.62                        | -389.28    | 761.32               | 673.84                | 87.48                   | 8.703                        |                    |         |
| 25,100.00                                                        | 10,330.00           | 10,341.32           | 10,339.08           | 118.07         | 36.02       | 87.11                 | -15,336.63                        | -389.27    | 712.78               | 624.40                | 88.38                   | 8.065                        |                    |         |
| 25,150.00                                                        | 10,330.00           | 10,342.11           | 10,339.87           | 118.43         | 36.03       | 87.36                 | -15,336.64                        | -389.26    | 664.45               | 574.99                | 89.46                   | 7.427                        |                    |         |
| 25,200.00                                                        | 10,330.00           | 10,342.89           | 10,340.65           | 118.80         | 36.03       | 87.61                 | -15,336.66                        | -389.25    | 616.39               | 525.63                | 90.76                   | 6.792                        |                    |         |
| 25,250.00                                                        | 10,330.00           | 10,343.67           | 10,341.43           | 119.16         | 36.03       | 87.87                 | -15,336.67                        | -389.25    | 568.67               | 476.32                | 92.35                   | 6.158                        |                    |         |
| 25,300.00                                                        | 10,330.00           | 10,344.45           | 10,342.21           | 119.53         | 36.03       | 88.12                 | -15,336.68                        | -389.24    | 521.37               | 427.05                | 94.32                   | 5.528                        |                    |         |
| 25,350.00                                                        | 10,330.00           | 10,345.23           | 10,342.99           | 119.89         | 36.04       | 88.37                 | -15,336.69                        | -389.23    | 474.62               | 377.84                | 96.78                   | 4.904 Alert                  |                    |         |
| 25,400.00                                                        | 10,330.00           | 10,346.00           | 10,343.76           | 120.26         | 36.04       | 88.62                 | -15,336.70                        | -389.22    | 428.60               | 328.71                | 99.90                   | 4.290 Alert                  |                    |         |
| 25,450.00                                                        | 10,330.00           | 10,346.77           | 10,344.53           | 120.62         | 36.04       | 88.87                 | -15,336.71                        | -389.22    | 383.59               | 279.69                | 103.90                  | 3.692 Alert                  |                    |         |
| 25,500.00                                                        | 10,330.00           | 10,347.54           | 10,345.30           | 120.99         | 36.04       | 89.12                 | -15,336.73                        | -389.21    | 339.96               | 230.90                | 109.06                  | 3.117 Alert                  |                    |         |
| 25,550.00                                                        | 10,330.00           | 10,348.31           | 10,346.07           | 121.35         | 36.05       | 89.37                 | -15,336.74                        | -389.20    | 298.34               | 182.60                | 115.75                  | 2.578 Alert                  |                    |         |
| 25,600.00                                                        | 10,330.00           | 10,349.08           | 10,346.83           | 121.72         | 36.05       | 89.62                 | -15,336.75                        | -389.19    | 259.70               | 135.41                | 124.29                  | 2.089 Minor Risk             |                    |         |
| 25,650.00                                                        | 10,330.00           | 10,349.84           | 10,347.60           | 122.12         | 36.05       | 89.87                 | -15,336.76                        | -389.19    | 225.56               | 89.85                 | 135.71                  | 1.662 Minor Risk             |                    |         |
| 25,666.80                                                        | 10,330.00           | 10,350.10           | 10,347.85           | 122.25         | 36.05       | 89.95                 | -15,336.76                        | -389.18    | 215.48               | 75.84                 | 139.64                  | 1.543 Minor Risk, CC, ES, SF |                    |         |

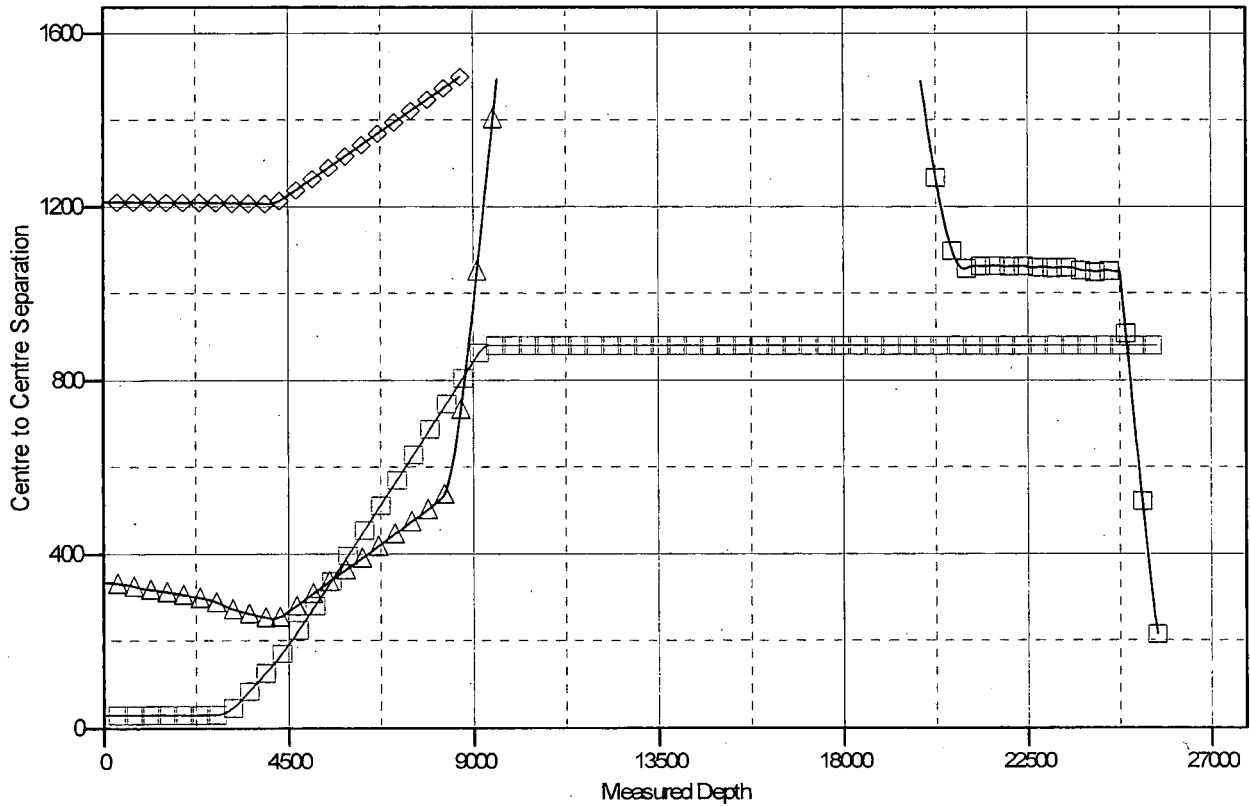
# Anticollision Report

|                     |                                 |                              |                                  |
|---------------------|---------------------------------|------------------------------|----------------------------------|
| Company:            | WCDSC Permian NM                | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Project:            | Eddy County (NAD 83 NM Eastern) | TVD Reference:               | RKB @ 3411.40ft                  |
| Reference Site:     | Sec 15-T23S-R31E                | MD Reference:                | RKB @ 3411.40ft                  |
| Site Error:         | 0.00 ft                         | North Reference:             | Grid                             |
| Reference Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Well Error:         | 0.50 ft                         | Output errors are at:        | 2.00 sigma                       |
| Reference Wellbore: | Wellbore #1                     | Database:                    | EDM r5000.141_Prod US            |
| Reference Design:   | Permit Plan 2                   | Offset: TVD Reference:       | Offset Datum                     |

Reference Depths are relative to RKB @ 3411.40ft  
Offset Depths are relative to Offset Datum  
Central Meridian is -104.333334

Coordinates are relative to: Maldives 15-27 Fed Com 231H  
Coordinate System is US State Plane 1983, New Mexico Eastern Zone  
Grid Convergence at Surface is: 0.30°

## Ladder Plot



### LEGEND

- Aldabra 27 Fed 1H, Wellbore #1, Well bore #1 VO
- Maldives 15-27 Fed Com 232H, Wellbore #1, Permit Plan 2 VO
- Todd 15 C Fed #003 (Active), Wellbore #1, No Surveys VO
- Todd 15 D Fed #004 (P&A), Wellbore #1, Inc Only Surveys VO

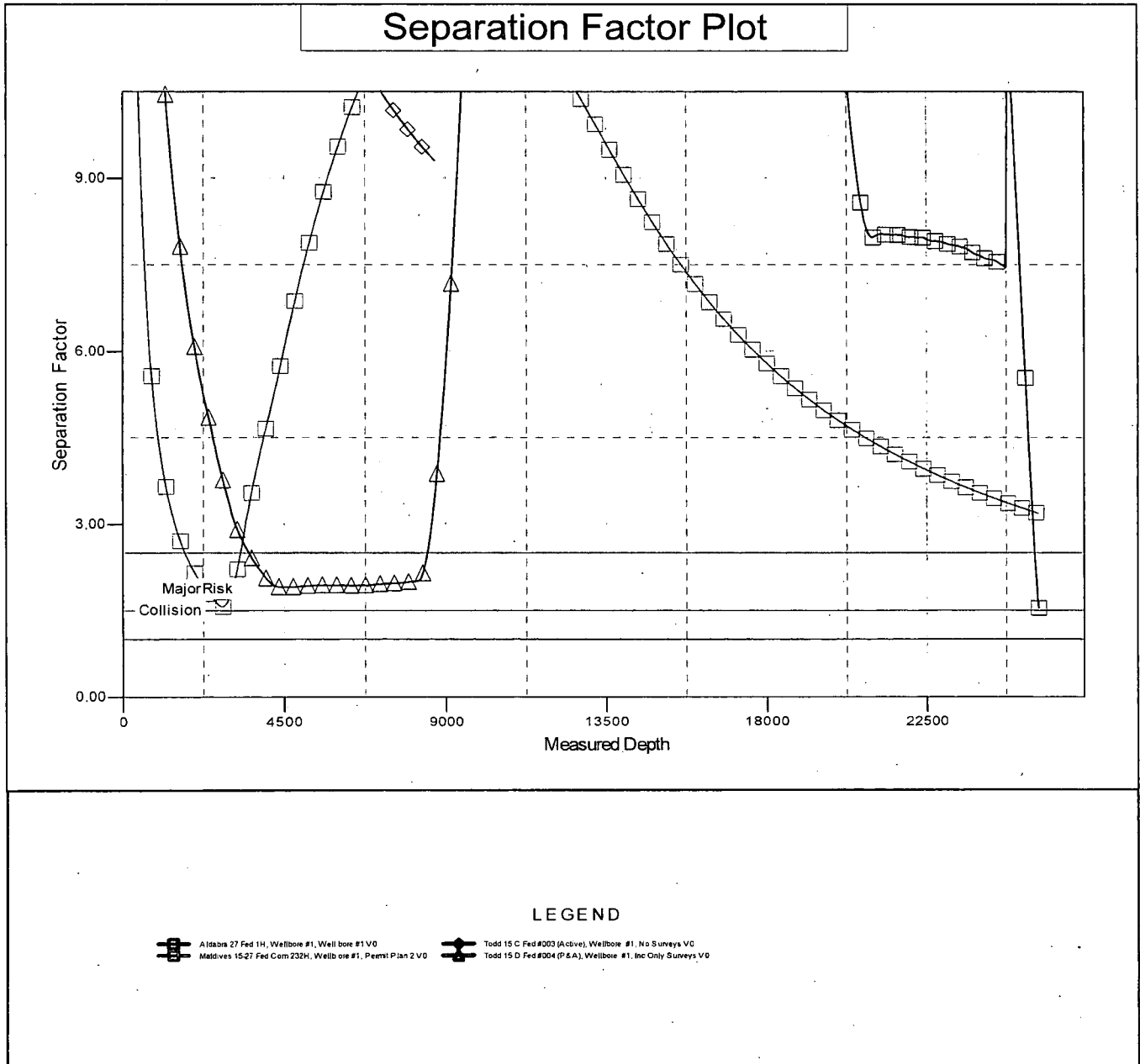
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

|                     |                                 |                              |                                  |
|---------------------|---------------------------------|------------------------------|----------------------------------|
| Company:            | WCDSC Permian NM                | Local Co-ordinate Reference: | Well Maldives 15-27 Fed Com 231H |
| Project:            | Eddy County (NAD 83 NM Eastern) | TVD Reference:               | RKB @ 3411.40ft                  |
| Reference Site:     | Sec 15-T23S-R31E                | MD Reference:                | RKB @ 3411.40ft                  |
| Site Error:         | 0.00 ft                         | North Reference:             | Grid                             |
| Reference Well:     | Maldives 15-27 Fed Com 231H     | Survey Calculation Method:   | Minimum Curvature                |
| Well Error:         | 0.50 ft                         | Output errors are at         | 2.00 sigma                       |
| Reference Wellbore: | Wellbore #1                     | Database:                    | EDM r5000.141_Prod US            |
| Reference Design:   | Permit Plan 2                   | Offset TVD Reference:        | Offset Datum                     |

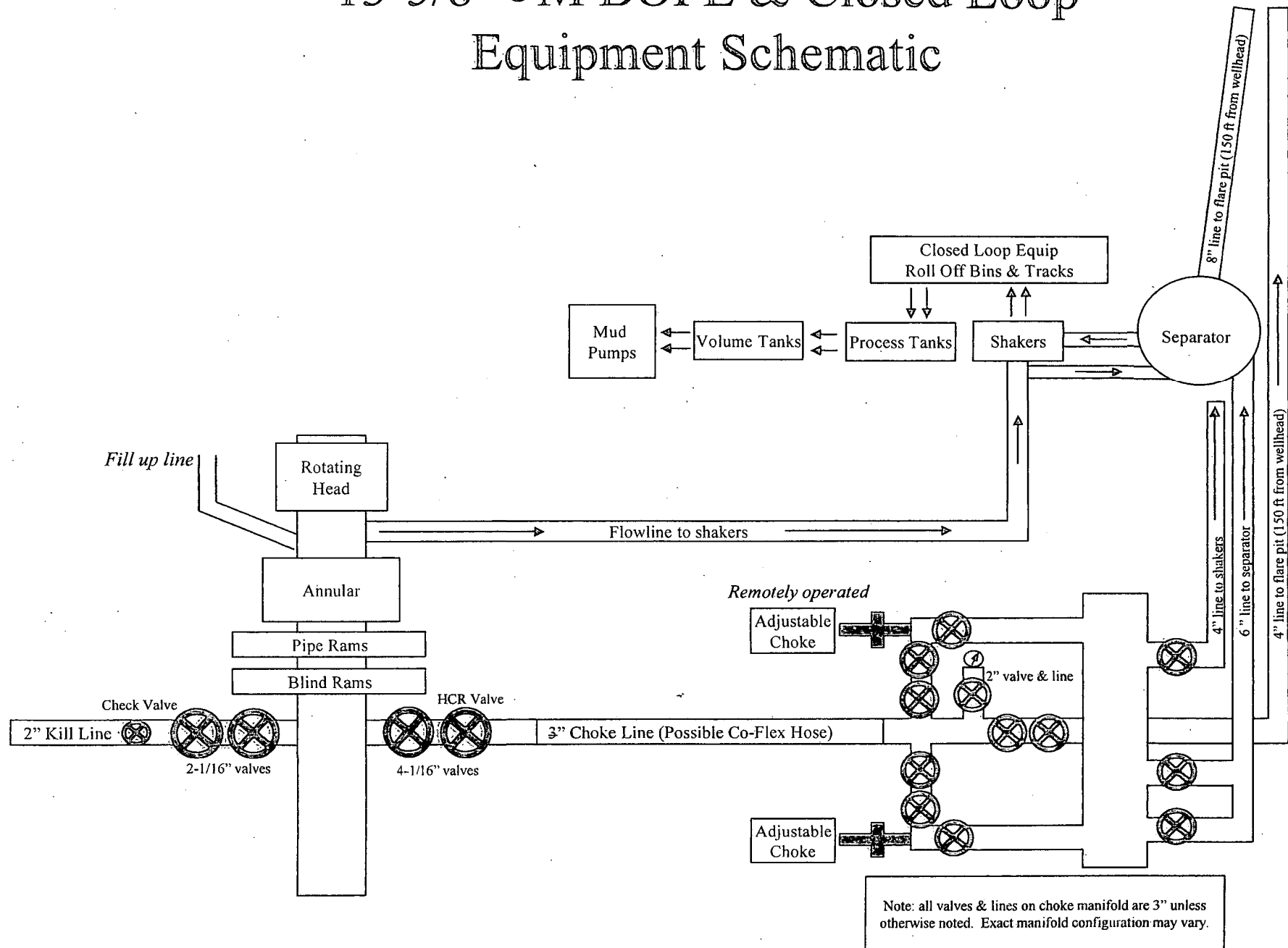
Reference Depths are relative to RKB @ 3411.40ft  
 Offset Depths are relative to Offset Datum  
 Central Meridian is -104.333334

Coordinates are relative to: Maldives 15-27 Fed Com 231H  
 Coordinate System is US State Plane 1983, New Mexico Eastern Zone  
 Grid Convergence at Surface is: 0.30°



CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# 13-5/8" 5M BOPE & Closed Loop Equipment Schematic



A multibowl wellhead may be used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested.

Devon proposes using a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 5000 (5M) psi.

- Wellhead will be installed by wellhead representatives.
- If the welding is performed by a third party, the wellhead representative will monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
- Wellhead representative will install the test plug for the initial BOP test.
- Wellhead company will install a solid steel body pack-off to completely isolate the lower head after cementing intermediate casing. After installation of the pack-off, the pack-off and the lower flange will be tested to 5M, as shown on the attached schematic. Everything above the pack-off will not have been altered whatsoever from the initial nipple up. Therefore the BOP components will not be retested at that time.
- If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head will be cut and top out operations will be conducted.
- Devon will pressure test all seals above and below the mandrel (but still above the casing) to full working pressure rating.
- Devon will test the casing to 0.22 psi/ft or 1500 psi, whichever is greater, as per Onshore Order #2.

After running the 13-3/8" surface casing, a 13-5/8" BOP/BOPE system with a minimum rating of 5M will be installed on the wellhead system and will undergo a 250 psi low pressure test followed by a 5,000 psi high pressure test. The 5,000 psi high and 250 psi low test will cover testing requirements a maximum of 30 days, as per Onshore Order #2. If the well is not complete within 30 days of this BOP test, another full BOP test will be conducted, as per Onshore Order #2.

After running the 9-5/8" intermediate casing with a mandrel hanger, the 13-5/8" BOP/BOPE system with a minimum rating of 5M will already be installed on the wellhead.

The pipe rams will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These tests will be logged in the daily driller's log. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at 5,000 psi WP.

Devon's proposed wellhead manufactures will be FMC Technologies, Cactus Wellhead, or Cameron.

